

SHADOW - Main Result

Assumptions for shadow calculations

Maximum distance for influence
Calculate only when more than 20 % of sun is covered by the blade
Please look in WTG table

Minimum sun height over horizon for influence 3 °
Day step for calculation 1 days
Time step for calculation 1 minutes

Sunshine probability S (Average daily sunshine hours) []
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
0,96 2,07 4,32 6,59 9,64 9,55 9,82 8,35 5,52 3,17 1,24 0,85

Operational time
0 1 Sum
4 076 4 076 8 152

Monthly aggregation of real case reduction
A ZVI (Zones of Visual Influence) calculation is performed before flicker calculation so non visible WTG do not contribute to calculated flicker values. A WTG will be visible if it is visible from any part of the receiver window. The ZVI calculation is based on the following assumptions:
DHM: Elevation Grid Data Object: ground.wpg (7)
Receptor grid resolution: 1,0 m

All coordinates are in
Latvian TM LKS92-LKS92 (LV)

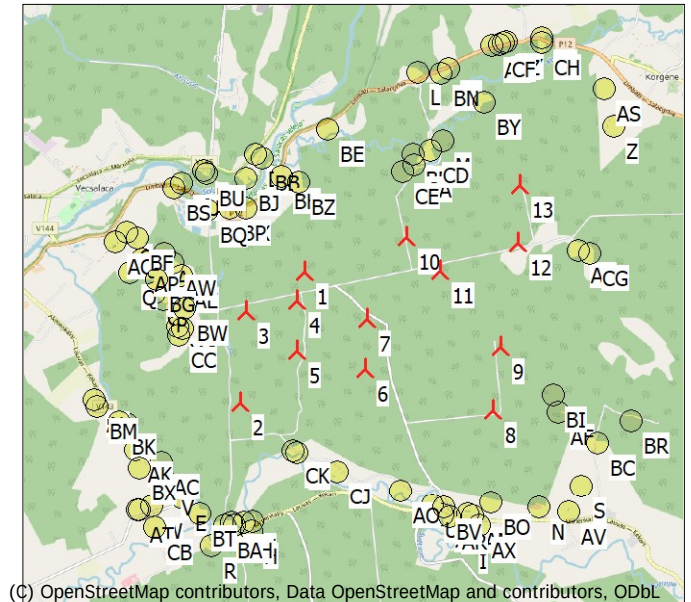
WTGs

	Y	X	Z	Row data/Description	WTG type			Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Shadow data	
					Valid	Manufact.	Type-generator				Calculation distance [m]	RPM [RPM]
			[m]									
1	527 357	400 505	26,4	VES "Senlejas"	No	GENVIND	VES-8 000	8 000	140,0	130,0	2 176	16,0
2	526 509	398 765	23,8	Z1	Yes	NORDEX	N175/6.X-6 800	6 800	175,0	179,0	1 893	10,8
3	526 578	399 986	24,0	Z2	Yes	NORDEX	N175/6.X-6 800	6 800	175,0	179,0	1 893	10,8
4	527 252	400 134	26,3	Z3	Yes	NORDEX	N175/6.X-6 800	6 800	175,0	179,0	1 893	10,8
5	527 258	399 468	26,0	Z4	Yes	NORDEX	N175/6.X-6 800	6 800	175,0	179,0	1 893	10,8
6	528 156	399 224	26,7	Z5	Yes	NORDEX	N175/6.X-6 800	6 800	175,0	179,0	1 893	10,8
7	528 185	399 896	28,5	Z6	Yes	NORDEX	N175/6.X-6 800	6 800	175,0	179,0	1 893	10,8
8	529 862	398 686	31,5	Z9	Yes	NORDEX	N175/6.X-6 800	6 800	175,0	179,0	1 893	10,8
9	529 954	399 532	30,1	Z10	Yes	NORDEX	N175/6.X-6 800	6 800	175,0	179,0	1 893	10,8
10	528 702	400 976	29,2	Z12	Yes	NORDEX	N175/6.X-6 800	6 800	175,0	179,0	1 893	10,8
11	529 153	400 543	28,2	Z13	Yes	NORDEX	N175/6.X-6 800	6 800	175,0	179,0	1 893	10,8
12	530 179	400 913	30,5	Z16	Yes	NORDEX	N175/6.X-6 800	6 800	175,0	179,0	1 893	10,8
13	530 196	401 685	32,3	Z17	Yes	NORDEX	N175/6.X-6 800	6 800	175,0	179,0	1 893	10,8

Shadow receptor-Input

No.	Name	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
A	Aiviekstes	525 480	400 742	16,2	1,5	1,5	1,0	90,0	"Green house mode"	2,5
B	Akmengravas	524 996	398 481	13,2	1,5	1,5	1,0	90,0	"Green house mode"	2,5
C	Atputas	524 977	401 018	14,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
D	Ausekli	526 691	402 050	22,9	1,5	1,5	1,0	90,0	"Green house mode"	2,5
E	Auzinas	525 750	397 491	15,9	1,5	1,5	1,0	90,0	"Green house mode"	2,5
F	Avotkalni (A)	526 678	397 192	23,6	1,5	1,5	1,0	90,0	"Green house mode"	2,5
G	Avotkalni (B)	526 568	397 181	19,6	1,5	1,5	1,0	90,0	"Green house mode"	2,5
H	Avotkalni 1	526 669	397 069	23,4	1,5	1,5	1,0	90,0	"Green house mode"	2,5
I	Bez nosaukuma (A)	529 534	397 023	32,7	1,5	1,5	1,0	90,0	"Green house mode"	2,5
J	Bez nosaukuma (B)	525 174	397 346	13,4	1,5	1,5	1,0	90,0	"Green house mode"	2,5
K	Bezdeligas Ligzda	525 994	401 833	20,6	1,5	1,5	1,0	90,0	"Green house mode"	2,5
L	Birztalinas	528 840	403 158	33,2	1,5	1,5	1,0	90,0	"Green house mode"	2,5
M	Birzuli	529 172	402 254	30,1	1,5	1,5	1,0	90,0	"Green house mode"	2,5
N	Caunites	530 478	397 407	36,7	1,5	1,5	1,0	90,0	"Green house mode"	2,5
O	Cerini 2	525 358	400 220	15,4	1,5	1,5	1,0	90,0	"Green house mode"	2,5
P	Drupas	525 471	400 124	16,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5

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SHADOW - Main Result

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No.	Name	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
Q	Dundagas	525 026	400 485	14,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
R	Duneni	526 129	396 865	17,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
S	Eglites	531 045	397 696	39,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
T	Einbluti	529 546	397 309	30,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
U	Ilgupils	529 075	397 432	21,1	1,5	1,5	1,0	90,0	"Green house mode"	2,5
V	Indrani	525 570	397 701	15,7	1,5	1,5	1,0	90,0	"Green house mode"	2,5
W	Jaunauzinas	525 341	397 395	14,1	1,5	1,5	1,0	90,0	"Green house mode"	2,5
X	Jaunjeceni	526 563	401 353	21,8	1,5	1,5	1,0	90,0	"Green house mode"	2,5
Y	Jaunkastanas	525 669	399 774	17,1	1,5	1,5	1,0	90,0	"Green house mode"	2,5
Z	Jaunspringi	531 449	402 465	35,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AA	Jaunterces	526 770	402 005	22,3	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AB	Jaunto š eni	530 976	400 817	34,1	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AC	Jaunupites	525 453	397 980	15,2	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AD	Jemekli	529 815	403 515	31,3	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AE	Kalnmalas	525 716	400 446	17,9	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AF	Kardes	530 727	398 674	36,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AG	Kraukli (A)	526 404	397 178	18,3	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AH	Kraukli (B)	526 431	397 149	17,9	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AI	Krivas	529 241	403 207	34,1	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AJ	Krusteici	525 734	399 745	17,8	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AK	Krumini	525 120	398 136	14,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AL	Kudlei š i	524 561	398 799	11,4	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AM	Kuikules magazina	529 606	397 295	31,2	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AN	Kuikuli	529 203	397 297	29,6	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AO	Kilzumi	528 642	397 619	23,9	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AP	Lapskalni	525 182	400 666	14,8	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AQ	Leinieki	524 841	400 889	13,1	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AR	Lielkuikuli	529 293	397 279	29,2	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AS	Lielspringi	531 305	402 957	33,5	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AT	Liepavoti	525 144	397 327	13,5	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AU	Lojas	525 710	401 675	19,6	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AV	Mazjesperi	530 883	397 354	38,7	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AW	Mazkaleji	525 603	400 609	17,3	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AX	Mazkuikuli	529 699	397 154	35,4	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AY	Mazspridi š i (A)	530 011	403 563	34,1	1,5	1,5	1,0	90,0	"Green house mode"	2,5
AZ	Mazspridi š i (B)	529 962	403 551	33,1	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BA	Medni	526 317	397 137	19,8	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BB	Me ž meiniki	526 778	402 010	22,2	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BC	Namdari	531 253	398 274	38,6	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BD	Norinas	528 768	402 073	30,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BE	Olki	527 636	402 396	25,5	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BF	Paegli	525 121	400 942	14,7	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BG	Pavasari	525 383	400 397	16,2	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BH	Pavuli	527 026	401 775	22,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BI	Plesini	530 664	398 903	36,2	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BJ	Pucites	526 553	401 739	21,7	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BK	Raudupes	524 905	398 517	13,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BL	Rudzi š i 1	530 473	403 630	31,1	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BM	Saulkrasti	524 605	398 709	11,9	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BN	Silkaleji	529 147	403 146	34,6	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BO	Silkalni	529 852	397 464	35,9	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BP	Silveveri	526 342	401 352	22,2	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BQ	Smilgas	526 056	401 315	20,8	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BR	Soles	531 696	398 570	39,9	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BS	Stienu ž i	525 610	401 610	19,5	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BT	Straujupites	525 980	397 282	16,6	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BU	Sunuki	526 033	401 800	20,5	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BV	Svetupe	529 217	397 397	27,5	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BW	Tamisari	525 755	400 019	17,8	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BX	Tomsoni	525 170	397 900	14,4	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BY	Tuiskas	529 716	402 772	30,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
BZ	Urgas	527 268	401 692	22,2	1,5	1,5	1,0	90,0	"Green house mode"	2,5
CA	Vaverites	528 791	401 939	30,6	1,5	1,5	1,0	90,0	"Green house mode"	2,5
CB	Vecjennas	525 380	397 106	14,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5

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SHADOW - Main Result

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No.	Name	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
CC	Veckastani	525 682	399 657	17,4	1,5	1,5	1,0	90,0	"Green house mode"	2,5
CD	Vecmelderi	529 002	402 124	29,5	1,5	1,5	1,0	90,0	"Green house mode"	2,5
CE	Vecsilupites	528 641	401 842	30,0	1,5	1,5	1,0	90,0	"Green house mode"	2,5
CF	Vecspridi š i	529 913	403 537	32,5	1,5	1,5	1,0	90,0	"Green house mode"	2,5
CG	Vecto š eni	531 132	400 781	35,5	1,5	1,5	1,0	90,0	"Green house mode"	2,5
CH	Vecupites	530 474	403 557	29,7	1,5	1,5	1,0	90,0	"Green house mode"	2,5
CI	Vedamurgas	527 257	398 125	21,3	1,5	1,5	1,0	90,0	"Green house mode"	2,5
CJ	Vejini	527 799	397 858	21,9	1,5	1,5	1,0	90,0	"Green house mode"	2,5
CK	Zvaigznes	527 206	398 136	21,2	1,5	1,5	1,0	90,0	"Green house mode"	2,5

Calculation Results

Shadow receptor

Shadow, expected values

No. Name
 Shadow hours
 per year
 [h/year]

A	Aiviekstes	7:08
B	Akmengravas	6:09
C	Atputas	0:00
D	Ausekli	0:14
E	Auzinas	0:00
F	Avotkalni (A)	0:00
G	Avotkalni (B)	0:00
H	Avotkalni 1	0:00
I	Bez nosaukuma (A)	0:00
J	Bez nosaukuma (B)	0:00
K	Bezdeligas Ligzda	0:35
L	Birztalinas	0:00
M	Birzuli	7:48
N	Caunites	0:00
O	Cerini 2	8:57
P	Drupas	15:07
Q	Dundagas	3:09
R	Duneni	0:00
S	Eglites	2:54
T	Einbluti	0:00
U	Ilgupils	0:00
V	Indrani	0:00
W	Jaunauzinas	0:00
X	Jaunjeceni	3:59
Y	Jaunkastanas	33:44
Z	Jaunspringi	2:58
AA	Jaunterces	0:11
AB	Jaunto š eni	30:35
AC	Jaunupites	7:02
AD	Jemekli	0:00
AE	Kalnmalas	16:13
AF	Kardes	18:04
AG	Kraukli (A)	0:00
AH	Kraukli (B)	0:00
AI	Krivas	1:28
AJ	Krusteici	46:59
AK	Krumini	10:10
AL	Kudlei š i	0:00
AM	Kuikules magazina	0:00
AN	Kuikuli	0:00
AO	Kilzumi	1:09
AP	Lapskalni	2:53
AQ	Leinieki	0:00
AR	Lielkuikuli	0:00
AS	Lielspringi	1:30
AT	Liepavoti	0:00
AU	Lojas	0:39

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SHADOW - Main Result

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No.	Name	Shadow, expected values
		Shadow hours per year [h/year]
AV	Mazjesperi	0:00
AW	Mazkaleji	9:27
AX	Mazkuikuli	0:00
AY	Mazspridi š i (A)	0:00
AZ	Mazspridi š i (B)	0:00
BA	Medni	0:00
BB	Me ž meiniki	0:10
BC	Namdari	7:59
BD	Norinas	6:52
BE	Olki	1:16
BF	Paegli	1:59
BG	Pavasari	9:35
BH	Pavuli	2:24
BI	Plesini	14:04
BJ	Pucites	2:16
BK	Raudupes	5:15
BL	Rudzi š i 1	0:00
BM	Saulkrasti	0:00
BN	Silkaleji	1:21
BO	Silkalni	0:00
BP	Silveveri	3:48
BQ	Smilgas	4:17
BR	Soles	3:18
BS	Stienu ž i	1:59
BT	Straujupites	0:00
BU	Sunuki	0:38
BV	Svetupe	0:00
BW	Tamisari	32:12
BX	Tomsoni	12:36
BY	Tuiskas	2:01
BZ	Urgas	3:28
CA	Vaverites	8:37
CB	Vecjennas	0:00
CC	Veckastani	45:37
CD	Vecmelderi	8:02
CE	Vecsilupites	8:08
CF	Vecspridi š i	0:00
CG	Vecto š eni	18:25
CH	Vecupites	0:00
CI	Vedamurgas	0:00
CJ	Vejini	9:11
CK	Zvaigznes	0:00

Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Expected [h/year]
1	VES "Senlejas"	27:35
2	Z1	50:41
3	Z2	101:31
4	Z3	34:39
5	Z4	11:54
6	Z5	0:00
7	Z6	0:00
8	Z9	46:34
9	Z10	3:00
10	Z12	6:38
11	Z13	4:47
12	Z16	35:40
13	Z17	29:22

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

The calculation of the total expected values for a given receptor assumes a weighted average directional reduction for all WTGs contributing to shadow flicker within the same day. In the case where shadow flicker from different WTGs is not concurrent within the day, the total expected time at a given receptor may deviate marginally from the individual flicker time caused by each turbine separately.

SHADOW - Calendar

Shadow receptor: A - Aiviekstes
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1 09:07	08:27	07:20	07:47 (4) 06:54	05:34	04:33	04:26	05:15	06:21	07:25	08:22 (4) 07:34	08:20 (3) 08:39	
15:46	16:46	17:52	28 09:00 (3) 20:01	21:08	22:09	22:26	21:42	20:24	19:00	14 08:36 (4) 16:38	6 08:26 (3) 15:43	
2 09:06	08:25	07:17	07:45 (4) 06:51	05:31	04:32	04:27	05:17	06:23	07:27	08:20 (4) 07:36	08:20 (4) 07:36	
15:47	16:49	17:54	24 08:56 (3) 20:04	21:10	22:10	22:26	21:39	20:21	18:57	17 08:37 (4) 16:36	15:42	
3 09:06	08:23	07:14	07:43 (4) 06:48	05:29	04:31	04:28	05:19	06:25	07:29	08:19 (4) 07:38	08:43	
15:48	16:51	17:57	17 08:00 (4) 20:06	21:12	22:12	22:25	21:37	20:18	18:54	19 08:38 (4) 16:34	15:41	
4 09:06	08:21	07:12	07:43 (4) 06:46	05:27	04:30	04:29	05:22	06:27	07:31	08:18 (4) 07:41	08:45	
15:50	16:53	17:59	19 08:02 (4) 20:08	21:14	22:13	22:24	21:35	20:15	18:51	20 08:38 (4) 16:31	15:41	
5 09:05	08:19	07:09	07:42 (4) 06:43	05:24	04:28	04:30	05:24	06:30	07:33	08:17 (4) 07:43	08:46	
15:51	16:56	18:01	20 08:02 (4) 20:10	21:16	22:15	22:24	21:33	20:13	18:49	21 08:38 (4) 16:29	15:40	
6 09:04	08:17	07:06	07:41 (4) 06:40	05:22	04:27	04:31	05:26	06:32	07:35	08:16 (4) 07:45	08:48	
15:53	16:58	18:04	21 08:02 (4) 20:12	21:19	22:16	22:23	21:30	20:10	18:46	22 08:38 (4) 16:27	15:39	
7 09:04	08:14	07:04	07:40 (4) 06:37	05:20	04:27	04:32	05:28	06:34	07:38	08:17 (4) 07:48	08:49	
15:54	17:00	18:06	22 08:02 (4) 20:15	21:21	22:17	22:22	21:28	20:07	18:43	21 08:38 (4) 16:24	15:38	
8 09:03	08:12	07:01	07:40 (4) 06:35	05:17	04:26	04:34	05:30	06:36	07:40	08:17 (4) 07:50	08:51	
15:56	17:03	18:08	21 08:01 (4) 20:17	21:23	22:18	22:21	21:26	20:04	18:40	21 08:38 (4) 16:22	15:38	
9 09:02	08:10	06:58	07:41 (4) 06:32	05:15	04:25	04:35	05:32	06:38	07:42	08:17 (4) 07:52	08:52	
15:58	17:05	18:10	21 08:02 (4) 20:19	21:25	22:19	22:20	21:23	20:01	18:38	20 08:37 (4) 16:20	15:37	
10 09:01	08:08	08:49 (3) 06:55	07:41 (4) 06:29	05:13	04:24	04:36	05:34	06:40	07:44	08:17 (4) 07:55	08:54	
15:59	17:08	8 08:57 (3) 18:13	19 08:00 (4) 20:21	21:27	22:21	22:19	21:21	19:59	18:35	18 08:35 (4) 16:18	15:36	
11 09:00	08:05	08:45 (3) 06:53	07:41 (4) 06:26	05:11	04:24	04:38	05:36	06:42	07:46	08:18 (4) 07:57	08:55	
16:01	17:10	15 09:00 (3) 18:15	18 07:59 (4) 20:23	21:29	22:22	22:18	21:18	19:56	18:32	17 08:35 (4) 16:16	15:36	
12 08:59	08:03	08:44 (3) 06:50	07:42 (4) 06:24	05:08	04:23	04:39	05:38	06:44	07:49	08:19 (4) 07:59	08:56	
16:03	17:12	19 09:03 (3) 18:17	15 07:57 (4) 20:26	21:31	22:22	22:17	21:16	19:53	18:29	27 09:31 (3) 16:14	15:36	
13 08:58	08:00	08:42 (3) 06:47	07:44 (4) 06:21	05:06	04:23	04:41	05:41	06:47	07:51	08:21 (4) 08:01	08:58	
16:05	17:15	22 09:04 (3) 18:19	11 07:55 (4) 20:28	21:34	22:23	22:15	21:14	19:50	18:27	26 09:33 (3) 16:12	15:35	
14 08:57	07:58	08:40 (3) 06:44	06:18	05:04	04:22	04:42	05:43	06:49	07:53	09:14 (3) 08:04	08:59	
16:07	17:17	25 09:05 (3) 18:22	20:30	21:36	22:24	22:14	21:11	19:47	18:24	22 09:36 (3) 16:10	15:35	
15 08:56	07:56	08:40 (3) 06:41	07:08 (1) 06:15	05:02	04:22	04:44	05:45	06:51	07:55	09:12 (3) 08:06	09:00	
16:09	17:19	26 09:06 (3) 18:24	4 07:12 (1) 20:32	21:38	22:25	22:13	21:09	19:45	18:21	24 09:36 (3) 16:08	15:35	
16 08:55	07:53	08:39 (3) 06:39	07:05 (1) 06:13	05:00	04:21	04:45	05:47	06:53	07:57	09:11 (3) 08:08	09:01	
16:11	17:22	28 09:07 (3) 18:26	8 07:13 (1) 20:34	21:40	22:25	22:11	21:06	19:42	18:19	26 09:37 (3) 16:06	15:35	
17 08:53	07:51	08:39 (3) 06:36	07:02 (1) 06:10	04:58	04:21	04:47	05:49	06:55	08:00	09:10 (3) 08:10	09:02	
16:13	17:24	29 09:08 (3) 18:28	11 07:13 (1) 20:37	21:42	22:26	22:10	21:04	19:39	18:16	28 09:38 (3) 16:04	15:35	
18 08:52	07:48	08:38 (3) 06:33	06:59 (1) 06:07	04:56	04:21	04:49	05:51	06:57	08:02	09:09 (3) 08:13	09:03	
16:15	17:26	30 09:08 (3) 18:30	14 07:13 (1) 20:39	21:44	22:27	22:08	21:01	19:36	18:13	29 09:38 (3) 16:02	15:35	
19 08:50	07:46	08:37 (3) 06:30	06:56 (1) 06:05	04:54	04:21	04:50	05:53	06:59	08:04	09:08 (3) 08:15	09:03	
16:17	17:29	31 09:08 (3) 18:33	17 07:13 (1) 20:41	21:46	22:27	22:06	20:58	19:33	7 07:54 (1) 18:11	30 09:38 (3) 16:01	15:36	
20 08:49	07:43	08:38 (3) 06:28	06:56 (1) 06:02	04:52	04:21	04:52	05:55	07:01	07:44 (1) 08:06	09:08 (3) 08:17	09:04	
16:19	17:31	30 09:08 (3) 18:35	17 07:13 (1) 20:43	21:48	22:27	22:05	20:56	19:31	12 07:56 (1) 18:08	31 09:39 (3) 15:59	15:36	
21 08:47	07:41	08:37 (3) 06:25	06:56 (1) 05:59	04:50	04:21	04:54	05:58	07:03	07:43 (1) 08:09	09:08 (3) 08:19	09:05	
16:21	17:34	31 09:08 (3) 18:37	16 07:12 (1) 20:46	21:50	22:28	22:03	20:53	19:28	14 07:57 (1) 18:06	30 09:38 (3) 15:57	15:36	
22 08:46	07:38	08:37 (3) 06:22	06:57 (1) 05:57	04:48	04:21	04:56	06:00	07:05	07:41 (1) 08:11	09:08 (3) 08:21	09:05	
16:23	17:36	31 09:08 (3) 18:39	14 07:11 (1) 20:48	21:52	22:28	22:01	20:51	19:25	16 07:57 (1) 18:03	31 09:39 (3) 15:56	15:37	
23 08:44	07:36	08:38 (3) 06:19	06:57 (1) 05:54	04:47	04:22	04:58	06:02	07:08	07:40 (1) 08:13	09:08 (3) 08:23	09:06	
16:26	17:38	30 09:08 (3) 18:42	13 07:10 (1) 20:50	21:54	22:28	22:00	20:48	19:22	17 07:57 (1) 18:00	30 09:38 (3) 15:54	15:37	
24 08:42	07:33	08:38 (3) 06:16	06:59 (1) 05:52	04:45	04:22	04:59	06:04	07:10	07:40 (1) 08:15	09:08 (3) 08:25	09:06	
16:28	17:41	29 09:07 (3) 18:44	8 07:07 (1) 20:52	21:55	22:28	21:58	20:45	19:19	17 07:57 (1) 17:58	30 09:38 (3) 15:53	15:38	
25 08:41	07:30	08:38 (3) 06:14	05:49	04:43	04:22	05:01	06:06	07:12	07:41 (1) 07:18	08:08 (3) 08:28	09:07	
16:30	17:43	28 09:06 (3) 18:46	20:54	21:57	22:28	21:56	20:43	19:16	15 07:56 (1) 16:55	29 08:37 (3) 15:51	15:38	
26 08:39	07:28	08:39 (3) 06:11	05:46	04:42	04:23	05:03	06:08	07:14	07:43 (1) 07:20	08:09 (3) 08:30	09:07	
16:32	17:45	26 09:05 (3) 18:48	20:57	21:59	22:28	21:54	20:40	19:14	12 07:55 (1) 16:53	28 08:37 (3) 15:50	15:39	
27 08:37	07:25	08:41 (3) 06:08	05:44	04:40	04:23	05:05	06:10	07:16	07:46 (1) 07:22	08:10 (3) 08:32	09:07	
16:35	17:47	23 09:04 (3) 18:50	20:59	22:01	22:28	21:52	20:37	19:11	9 07:55 (1) 16:50	25 08:35 (3) 15:48	15:40	
28 08:35	07:22	08:42 (3) 06:05	05:41	04:39	04:24	05:07	06:13	07:18	07:48 (1) 07:25	08:11 (3) 08:34	09:07	
16:37	17:50	20 09:02 (3) 18:53	21:01	22:02	22:28	21:50	20:35	19:08	5 07:53 (1) 16:48	24 08:35 (3) 15:47	15:41	
29 08:33	07:02	07:02	05:39	04:37	04:25	05:09	06:15	07:20	07:50 (1) 07:27	08:12 (3) 08:35	09:07	
16:39	07:00	19:55	21:03	22:04	22:27	21:48	20:32	19:05	1 07:51 (1) 16:45	21 08:33 (3) 15:46	15:42	
30 08:31	06:57	07:00	05:36	04:36	04:25	05:11	06:17	07:23	08:25 (4) 07:29	08:14 (3) 08:37	09:07	
16:42	06:57	19:57	21:05	22:06	22:27	21:46	20:29	19:02	8 08:33 (4) 16:43	18 08:32 (3) 15:45	15:43	
31 08:29	06:57	19:59	04:34	04:34	05:13	06:19	07:23	08:25	07:32	08:15 (3) 15:45	09:07	
16:44	06:57	19:59	22:07	22:07	21:44	20:26	19:02	16:41	14 08:29 (3) 15:45	15:44	207	
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case		481	378						133	733	6	
Sun reduction		0,22	0,37						0,43	0,31	0,15	
Oper. time red.		0,93	0,93						0,93	0,93	0,93	
Wind dir. red.		0,80	0,94						0,98	0,84	0,80	
Total reduction		0,16	0,32						0,39	0,24	0,11	
Total, real		79	121						52	175	1	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: B - Akmengravas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December	
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:24	06:58 (2) 07:07 (2)	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	05:32 21:10	04:32 22:10	04:27 22:26	05:18 21:39	06:23 20:21		07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18		07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:28 20:15		07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:15	04:30 22:24	05:24 21:33	06:30 20:13		07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:19	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10		07:35 18:46	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:01	07:04 18:06	06:37 20:15	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07		07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04		07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01		07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:08 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59		07:44 18:35	07:54 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	06:59 (2) 07:08 (2)	05:11 21:29	04:24 22:21	05:36 21:18	06:42 19:56		07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	06:55 (2) 07:10 (2)	05:08 21:31	04:23 22:22	05:39 21:16	06:44 19:53		07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	06:54 (2) 07:13 (2)	05:06 21:33	04:23 22:23	05:41 21:14	06:47 19:50		07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	06:52 (2) 07:13 (2)	05:04 21:36	04:22 22:24	05:43 21:11	06:49 19:47	07:02 (2)	07:53 18:24	08:04 16:10	08:59 15:35
15	08:56 16:09	07:56 17:19	06:42 18:24	06:16 20:32	06:50 (2) 07:13 (2)	05:02 21:38	04:22 22:25	05:45 21:09	06:51 19:45	06:59 (2)	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	06:50 (2) 07:15 (2)	05:00 21:40	04:22 22:25	05:47 21:06	06:58 (2) 19:42	07:14 (2)	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	06:49 (2) 07:14 (2)	04:58 21:42	04:21 22:26	05:49 21:03	06:56 (2) 19:39	06:56 (2)	08:00 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:31	06:07 20:39	06:49 (2) 07:15 (2)	04:56 21:44	04:21 22:26	05:51 21:01	06:55 (2) 19:36	06:55 (2)	08:02 18:13	08:12 16:03	09:02 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	06:48 (2) 07:14 (2)	04:54 21:46	04:21 22:27	05:53 20:58	06:54 (2) 19:33	06:54 (2)	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	06:47 (2) 07:14 (2)	04:52 21:48	04:21 22:27	05:56 20:56	06:53 (2) 19:31	06:53 (2)	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	06:00 20:45	06:48 (2) 07:14 (2)	04:50 21:50	04:21 22:27	05:58 20:53	06:53 (2) 19:28	06:53 (2)	08:09 18:06	08:19 15:57	09:05 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	06:47 (2) 07:13 (2)	04:49 21:52	04:22 22:28	06:00 20:50	07:06 19:25	06:52 (2)	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:42	05:54 20:50	06:48 (2) 07:13 (2)	04:47 21:53	04:22 22:28	06:02 20:48	07:08 19:22	06:52 (2)	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	06:49 (2) 07:12 (2)	04:45 21:55	04:22 22:28	06:04 20:45	07:10 19:19	06:52 (2)	08:15 17:58	08:25 15:53	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	06:49 (2) 07:11 (2)	04:43 21:57	04:22 22:28	06:06 20:43	07:12 19:16	06:52 (2)	08:18 16:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:57	06:50 (2) 07:10 (2)	04:42 21:59	04:23 22:28	06:08 20:40	07:14 19:14	06:52 (2)	08:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	06:50 (2) 07:08 (2)	04:40 22:01	04:23 22:28	06:11 20:37	07:16 (2) 19:11	06:52 (2)	08:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	05:41 21:01	06:52 (2) 07:06 (2)	04:39 22:02	04:24 22:27	06:13 20:34	07:18 (2) 19:08	06:52 (2)	08:25 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	06:55 (2) 07:03 (2)	04:37 22:04	04:25 22:27	06:15 20:32	07:20 (2) 19:05	06:53 (2)	08:27 16:46	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:37 21:05		04:36 22:06	04:26 22:27	06:17 20:29	07:23 (2) 19:02	06:54 (2)	08:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59			04:35 22:07		05:13 20:26	06:19 19:02	06:55 (2)	07:31 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	9	321	241	207
Total, worst case				398				392					
Sun reduction				0,46				0,55		0,43			
Oper. time red.				0,93				0,93		0,93			
Wind dir. red.				0,99				0,99		0,99			
Total reduction				0,42				0,50		0,40			
Total, real				169				197		4			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: C - Atputas

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07	08:27	07:20	06:54	05:34	04:33	04:26	05:15	06:21	07:25	07:34	08:39
	15:46	16:46	17:52	20:01	21:08	22:09	22:26	21:42	20:24	19:00	16:38	15:43
2	09:06	08:25	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36	08:41
	15:47	16:49	17:54	20:04	21:10	22:10	22:26	21:39	20:21	18:57	16:36	15:42
3	09:06	08:23	07:14	06:48	05:29	04:31	04:28	05:19	06:25	07:29	07:38	08:43
	15:48	16:51	17:57	20:06	21:12	22:12	22:25	21:37	20:18	18:54	16:34	15:41
4	09:06	08:21	07:12	06:46	05:27	04:30	04:29	05:22	06:28	07:31	07:41	08:45
	15:50	16:53	17:59	20:08	21:14	22:13	22:25	21:35	20:15	18:51	16:31	15:41
5	09:05	08:19	07:09	06:43	05:24	04:28	04:30	05:24	06:30	07:33	07:43	08:46
	15:51	16:56	18:01	20:10	21:16	22:15	22:24	21:33	20:13	18:49	16:29	15:40
6	09:04	08:17	07:06	06:40	05:22	04:28	04:31	05:26	06:32	07:36	07:45	08:48
	15:53	16:58	18:04	20:12	21:19	22:16	22:23	21:30	20:10	18:46	16:27	15:39
7	09:04	08:14	07:04	06:37	05:20	04:27	04:32	05:28	06:34	07:38	07:48	08:49
	15:54	17:00	18:06	20:15	21:21	22:17	22:22	21:28	20:07	18:43	16:25	15:38
8	09:03	08:12	07:01	06:35	05:17	04:26	04:34	05:30	06:36	07:40	07:50	08:51
	15:56	17:03	18:08	20:17	21:23	22:18	22:21	21:26	20:04	18:40	16:22	15:38
9	09:02	08:10	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52	08:52
	15:58	17:05	18:10	20:19	21:25	22:20	22:20	21:23	20:01	18:38	16:20	15:37
10	09:01	08:08	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44	07:55	08:54
	15:59	17:08	18:13	20:21	21:27	22:21	22:19	21:21	19:59	18:35	16:18	15:36
11	09:00	08:05	06:53	06:26	05:11	04:24	04:38	05:36	06:42	07:46	07:57	08:55
	16:01	17:10	18:15	20:23	21:29	22:22	22:18	21:19	19:56	18:32	16:16	15:36
12	08:59	08:03	06:50	06:24	05:08	04:23	04:39	05:38	06:44	07:49	07:59	08:56
	16:03	17:12	18:17	20:26	21:32	22:23	22:17	21:16	19:53	18:29	16:14	15:36
13	08:58	08:01	06:47	06:21	05:06	04:23	04:41	05:41	06:47	07:51	08:01	08:58
	16:05	17:15	18:19	20:28	21:34	22:23	22:15	21:14	19:50	18:27	16:12	15:35
14	08:57	07:58	06:44	06:18	05:04	04:22	04:42	05:43	06:49	07:53	08:04	08:59
	16:07	17:17	18:22	20:30	21:36	22:24	22:14	21:11	19:47	18:24	16:10	15:35
15	08:56	07:56	06:42	06:15	05:02	04:22	04:44	05:45	06:51	07:55	08:06	09:00
	16:09	17:19	18:24	20:32	21:38	22:25	22:13	21:09	19:45	18:21	16:08	15:35
16	08:55	07:53	06:39	06:13	05:00	04:21	04:45	05:47	06:53	07:57	08:08	09:01
	16:11	17:22	18:26	20:34	21:40	22:26	22:11	21:06	19:42	18:19	16:06	15:35
17	08:53	07:51	06:36	06:10	04:58	04:21	04:47	05:49	06:55	08:00	08:10	09:02
	16:13	17:24	18:28	20:37	21:42	22:26	22:10	21:04	19:39	18:16	16:04	15:35
18	08:52	07:48	06:33	06:07	04:56	04:21	04:49	05:51	06:57	08:02	08:13	09:03
	16:15	17:27	18:31	20:39	21:44	22:27	22:08	21:01	19:36	18:13	16:02	15:35
19	08:50	07:46	06:30	06:05	04:54	04:21	04:50	05:53	06:59	08:04	08:15	09:03
	16:17	17:29	18:33	20:41	21:46	22:27	22:07	20:58	19:33	18:11	16:01	15:36
20	08:49	07:43	06:28	06:02	04:52	04:21	04:52	05:56	07:01	08:06	08:17	09:04
	16:19	17:31	18:35	20:43	21:48	22:27	22:05	20:56	19:31	18:08	15:59	15:36
21	08:47	07:41	06:25	05:59	04:50	04:21	04:54	05:58	07:03	08:09	08:19	09:05
	16:21	17:34	18:37	20:46	21:50	22:28	22:03	20:53	19:28	18:06	15:57	15:36
22	08:46	07:38	06:22	05:57	04:48	04:21	04:56	06:00	07:06	08:11	08:21	09:05
	16:23	17:36	18:39	20:48	21:52	22:28	22:01	20:51	19:25	18:03	15:56	15:37
23	08:44	07:36	06:19	05:54	04:47	04:22	04:58	06:02	07:08	08:13	08:23	09:06
	16:26	17:38	18:42	20:50	21:54	22:28	22:00	20:48	19:22	18:00	15:54	15:37
24	08:42	07:33	06:16	05:52	04:45	04:22	05:00	06:04	07:10	08:15	08:26	09:06
	16:28	17:41	18:44	20:52	21:55	22:28	21:58	20:45	19:19	17:58	15:53	15:38
25	08:41	07:30	06:14	05:49	04:43	04:22	05:01	06:06	07:12	08:18	08:28	09:07
	16:30	17:43	18:46	20:54	21:57	22:28	21:56	20:43	19:16	17:55	15:51	15:38
26	08:39	07:28	06:11	05:46	04:42	04:23	05:03	06:08	07:14	08:20	08:30	09:07
	16:32	17:45	18:48	20:57	21:59	22:28	21:54	20:40	19:14	17:53	15:50	15:39
27	08:37	07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	08:22	08:32	09:07
	16:35	17:48	18:50	20:59	22:01	22:28	21:52	20:37	19:11	17:50	15:48	15:40
28	08:35	07:22	06:05	05:41	04:39	04:24	05:07	06:13	07:18	08:25	08:34	09:07
	16:37	17:50	18:53	21:01	22:03	22:28	21:50	20:35	19:08	17:48	15:47	15:41
29	08:33		07:02	05:39	04:37	04:25	05:09	06:15	07:20	08:27	08:36	09:07
	16:39		19:55	21:03	22:04	22:27	21:48	20:32	19:05	17:45	15:46	15:42
30	08:31		07:00	05:36	04:36	04:25	05:11	06:17	07:23	08:29	08:37	09:07
	16:42		19:57	21:05	22:06	22:27	21:46	20:29	19:02	17:43	15:45	15:43
31	08:29		06:57		04:34		05:13	06:19		07:32		09:07
	16:44		19:59		22:07		21:44	20:26		16:41		15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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SHADOW - Calendar

Shadow receptor: D - Ausekli
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January		February	March	April	May	June	July	August	September	October	November	December
1	09:07	10:38 (1)	08:27	07:20	06:54	05:34	04:33	04:26	05:15	06:21	07:25	07:34	08:39
	15:46	11	10:49 (1)	16:46	17:52	20:01	21:08	22:09	21:42	20:24	19:00	16:38	15:43
2	09:06	10:39 (1)	08:25	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36	08:41
	15:47	9	10:48 (1)	16:48	17:54	20:03	21:10	22:10	21:39	20:21	18:57	16:36	15:42
3	09:06	10:40 (1)	08:23	07:14	06:48	05:29	04:30	04:28	05:19	06:25	07:29	07:38	08:43
	15:48	7	10:47 (1)	16:51	17:57	20:06	21:12	22:12	21:37	20:18	18:54	16:33	15:41
4	09:06	10:41 (1)	08:21	07:12	06:46	05:27	04:29	04:29	05:21	06:27	07:31	07:41	08:45
	15:50	5	10:46 (1)	16:53	17:59	20:08	21:14	22:13	21:35	20:15	18:51	16:31	15:40
5	09:05		08:19	07:09	06:43	05:24	04:28	04:30	05:23	06:29	07:33	07:43	08:46
	15:51		16:56	18:01	20:10	21:16	22:15	22:24	21:33	20:13	18:48	16:29	15:40
6	09:04		08:17	07:06	06:40	05:22	04:27	04:31	05:26	06:32	07:35	07:45	08:48
	15:53		16:58	18:03	20:12	21:19	22:16	22:23	21:30	20:10	18:46	16:27	15:39
7	09:04		08:14	07:03	06:37	05:19	04:26	04:32	05:28	06:34	07:38	07:48	08:49
	15:54		17:00	18:06	20:14	21:21	22:17	22:22	21:28	20:07	18:43	16:24	15:38
8	09:03		08:12	07:01	06:34	05:17	04:26	04:33	05:30	06:36	07:40	07:50	08:51
	15:56		17:03	18:08	20:17	21:23	22:18	22:21	21:26	20:04	18:40	16:22	15:37
9	09:02		08:10	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52	08:52
	15:57		17:05	18:10	20:19	21:25	22:20	22:20	21:23	20:01	18:37	16:20	15:37
10	09:01		08:08	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44	07:55	08:54
	15:59		17:07	18:13	20:21	21:27	22:21	22:19	21:21	19:59	18:35	16:18	15:36
11	09:00		08:05	06:52	06:26	05:10	04:23	04:37	05:36	06:42	07:46	07:57	08:55
	16:01		17:10	18:15	20:23	21:29	22:22	22:18	21:18	19:56	18:32	16:16	15:36
12	08:59		08:03	06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:49	07:59	08:56
	16:03		17:12	18:17	20:26	21:31	22:22	22:17	21:16	19:53	18:29	16:14	15:36
13	08:58		08:00	06:47	06:21	05:06	04:22	04:40	05:40	06:46	07:51	08:01	08:58
	16:05		17:15	18:19	20:28	21:34	22:23	22:15	21:14	19:50	18:27	16:12	15:35
14	08:57		07:58	06:44	06:18	05:04	04:22	04:42	05:43	06:49	07:53	08:04	08:59
	16:07		17:17	18:21	20:30	21:36	22:24	22:14	21:11	19:47	18:24	16:10	15:35
15	08:56		07:56	06:41	06:15	05:02	04:22	04:43	05:45	06:51	07:55	08:06	09:00
	16:09		17:19	18:24	20:32	21:38	22:25	22:13	21:09	19:45	18:21	16:08	15:35
16	08:55		07:53	06:39	06:13	05:00	04:21	04:45	05:47	06:53	07:57	08:08	09:01
	16:11		17:22	18:26	20:34	21:40	22:26	22:11	21:06	19:42	18:19	16:06	15:35
17	08:53		07:51	06:36	06:10	04:58	04:21	04:47	05:49	06:55	08:00	08:10	09:02
	16:13		17:24	18:28	20:37	21:42	22:26	22:10	21:03	19:39	18:16	16:04	15:35
18	08:52		07:48	06:33	06:07	04:56	04:21	04:48	05:51	06:57	08:02	08:13	09:03
	16:15		17:26	18:30	20:39	21:44	22:27	22:08	21:01	19:36	18:13	16:02	15:35
19	08:50		07:46	06:30	06:05	04:54	04:21	04:50	05:53	06:59	08:04	08:15	09:03
	16:17		17:29	18:33	20:41	21:46	22:27	22:06	20:58	19:33	18:11	16:01	15:35
20	08:49		07:43	06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:17	09:04
	16:19		17:31	18:35	20:43	21:48	22:27	22:05	20:56	19:30	18:08	15:59	15:36
21	08:47		07:41	06:25	05:59	04:50	04:21	04:54	05:58	07:03	08:09	08:19	09:05
	16:21		17:33	18:37	20:45	21:50	22:28	22:03	20:53	19:28	18:05	15:57	15:36
22	08:46		07:38	06:22	05:57	04:48	04:21	04:56	06:00	07:05	08:11	08:21	09:05
	16:23		17:36	18:39	20:48	21:52	22:28	22:01	20:50	19:25	18:03	15:55	15:36
23	08:44		07:35	06:19	05:54	04:47	04:21	04:57	06:02	07:08	08:13	08:23	09:06
	16:25		17:38	18:41	20:50	21:54	22:28	22:00	20:48	19:22	18:00	15:54	15:37
24	08:42		07:33	06:16	05:51	04:45	04:22	04:59	06:04	07:10	08:15	08:25	09:06
	16:28		17:40	18:44	20:52	21:55	22:28	21:58	20:45	19:19	17:58	15:52	15:38
25	08:41		07:30	06:13	05:49	04:43	04:22	05:01	06:06	07:12	07:18	08:28	09:07
	16:30		17:43	18:46	20:54	21:57	22:28	21:56	20:43	19:16	16:55	15:51	15:38
26	08:39		07:28	06:11	05:46	04:42	04:23	05:03	06:08	07:14	07:20	08:30	09:07
	16:32		17:45	18:48	20:57	21:59	22:28	21:54	20:40	19:14	16:53	15:50	15:39
27	08:37		07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	07:22	08:32	09:07
	16:34		17:47	18:50	20:59	22:01	22:28	21:52	20:37	19:11	16:50	15:48	15:40
28	08:35		07:22	06:05	05:41	04:38	04:24	05:07	06:12	07:18	07:25	08:34	09:07
	16:37		17:50	18:52	21:01	22:02	22:28	21:50	20:34	19:08	16:48	15:47	15:41
29	08:33			07:02	05:39	04:37	04:24	05:09	06:15	07:20	07:27	08:35	09:07
	16:39			19:55	21:03	22:04	22:27	21:48	20:32	19:05	16:45	15:46	15:42
30	08:31			06:59	05:36	04:36	04:25	05:11	06:17	07:22	07:29	08:37	09:07
	16:41			19:57	21:05	22:06	22:27	21:46	20:29	19:02	16:43	15:44	15:43
31	08:29			06:57		04:34		05:13	06:19		07:31		09:07
	16:44			19:59		22:07		21:44	20:26		16:40		15:44
Potential sun hours	227		262	365	429	515	539	539	475	386	321	241	207
Total, worst case	32												318
Sun reduction	0,13												0,13
Oper. time red.	0,93												0,93
Wind dir. red.	0,36												0,36
Total reduction	0,04												0,04
Total, real	1												13

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: E - Auzinas

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:03	05:32 21:10	04:32 22:10	04:27 22:26	05:18 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:49	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:33	06:30 20:12	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	05:08 21:31	04:23 22:22	04:39 22:16	05:39 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	04:41 22:15	05:41 21:13	06:47 19:50	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:56 16:09	07:56 17:19	06:41 18:24	06:15 20:32	05:02 21:38	04:22 22:25	04:44 22:12	05:45 21:08	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	04:21 22:26	04:47 22:09	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:03	09:02 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:51 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	05:59 20:45	04:50 21:50	04:21 22:27	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:05 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:51	04:22 22:28	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:43 21:57	04:23 22:28	05:02 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:56	04:42 21:59	04:23 22:28	05:04 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:01	04:24 22:27	05:05 21:52	06:11 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:36 21:05	04:36 22:06	04:26 22:27	05:11 21:46	06:17 20:29	07:23 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:44	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: F - Avotkalni (A)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06	08:27	07:20	06:54	05:34	04:33	04:26	05:15	06:21	07:25	07:34	08:39
	15:46	16:46	17:52	20:01	21:07	22:09	22:26	21:41	20:23	19:00	16:38	15:44
2	09:06	08:25	07:17	06:51	05:32	04:32	04:27	05:17	06:23	07:27	07:36	08:41
	15:47	16:49	17:54	20:03	21:10	22:10	22:25	21:39	20:21	18:57	16:36	15:43
3	09:06	08:23	07:14	06:48	05:29	04:31	04:28	05:20	06:25	07:29	07:38	08:42
	15:48	16:51	17:57	20:06	21:12	22:12	22:25	21:37	20:18	18:54	16:34	15:42
4	09:05	08:21	07:12	06:46	05:27	04:30	04:29	05:22	06:27	07:31	07:41	08:44
	15:50	16:53	17:59	20:08	21:14	22:13	22:24	21:35	20:15	18:51	16:31	15:41
5	09:05	08:19	07:09	06:43	05:24	04:29	04:30	05:24	06:30	07:33	07:43	08:46
	15:51	16:56	18:01	20:10	21:16	22:14	22:23	21:32	20:12	18:48	16:29	15:40
6	09:04	08:16	07:06	06:40	05:22	04:28	04:31	05:26	06:32	07:35	07:45	08:48
	15:53	16:58	18:04	20:12	21:18	22:16	22:23	21:30	20:10	18:46	16:27	15:39
7	09:03	08:14	07:03	06:37	05:20	04:27	04:33	05:28	06:34	07:38	07:47	08:49
	15:54	17:00	18:06	20:14	21:21	22:17	22:22	21:28	20:07	18:43	16:25	15:38
8	09:03	08:12	07:01	06:35	05:17	04:26	04:34	05:30	06:36	07:40	07:50	08:51
	15:56	17:03	18:08	20:17	21:23	22:18	22:21	21:25	20:04	18:40	16:22	15:38
9	09:02	08:10	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52	08:52
	15:58	17:05	18:10	20:19	21:25	22:19	22:20	21:23	20:01	18:37	16:20	15:37
10	09:01	08:07	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44	07:54	08:53
	15:59	17:08	18:13	20:21	21:27	22:20	22:19	21:21	19:59	18:35	16:18	15:37
11	09:00	08:05	06:52	06:26	05:11	04:24	04:38	05:36	06:42	07:46	07:57	08:55
	16:01	17:10	18:15	20:23	21:29	22:21	22:17	21:18	19:56	18:32	16:16	15:36
12	08:59	08:03	06:50	06:24	05:08	04:23	04:39	05:38	06:44	07:48	07:59	08:56
	16:03	17:12	18:17	20:25	21:31	22:22	22:16	21:16	19:53	18:29	16:14	15:36
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	16:05	17:15	18:19	20:28	21:33	22:23	22:15	21:13	19:50	18:27	16:12	15:36
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	16:07	17:17	18:22	20:30	21:35	22:24	22:14	21:11	19:47	18:24	16:10	15:35
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20	08:49	07:43	06:27	06:02	04:52	04:21	04:52	05:56	07:01	08:06	08:17	09:04
	16:19	17:31	18:35	20:43	21:47	22:27	22:05	20:56	19:30	18:08	15:59	15:36
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	16:21	17:34	18:37	20:45	21:49	22:27	22:03	20:53	19:28	18:06	15:57	15:36
22	08:46	07:38	06:22	05:57	04:49	04:22	04:56	06:00	07:05	08:11	08:21	09:05
	16:23	17:36	18:39	20:48	21:51	22:27	22:01	20:50	19:25	18:03	15:56	15:37
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	16:26	17:38	18:41	20:50	21:53	22:28	21:59	20:48	19:22	18:00	15:54	15:37
24	08:42	07:33	06:16	05:52	04:45	04:22	05:00	06:04	07:10	08:15	08:25	09:06
	16:28	17:41	18:44	20:52	21:55	22:28	21:57	20:45	19:19	17:58	15:53	15:38
25	08:40	07:30	06:13	05:49	04:43	04:22	05:02	06:06	07:12	08:18	08:27	09:06
	16:30	17:43	18:46	20:54	21:57	22:28	21:56	20:42	19:16	17:55	15:51	15:39
26	08:39	07:28	06:11	05:46	04:42	04:23	05:03	06:08	07:14	08:20	08:29	09:07
	16:32	17:45	18:48	20:56	21:59	22:28	21:54	20:40	19:14	17:53	15:50	15:39
27	08:37	07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	08:22	08:31	09:07
	16:35	17:47	18:50	20:59	22:00	22:27	21:52	20:37	19:11	17:50	15:48	15:40
28	08:35	07:22	06:05	05:41	04:39	04:24	05:07	06:13	07:18	08:24	08:33	09:07
	16:37	17:50	18:52	21:01	22:02	22:27	21:50	20:34	19:08	17:48	15:47	15:41
29	08:33		07:02	05:39	04:37	04:25	05:09	06:15	07:20	08:27	08:35	09:07
	16:39		19:55	21:03	22:04	22:27	21:48	20:32	19:05	17:45	15:46	15:42
30	08:31		07:00	05:36	04:36	04:26	05:11	06:17	07:22	08:29	08:37	09:07
	16:42		19:57	21:05	22:05	22:26	21:46	20:29	19:02	17:43	15:45	15:43
31	08:29		06:57		04:35		05:13	06:19		07:31		09:07
	16:44		19:59		22:07		21:43	20:26		16:41		15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: G - Avotkalni (B)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:03	05:32 21:10	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:42 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:32	06:30 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:47 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
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10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:53 15:37
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:17	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	04:41 22:15	05:41 21:13	06:46 19:50	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:56 16:09	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:24	04:44 22:12	05:45 21:08	06:51 19:44	07:55 18:21	08:06 16:08	08:59 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:36	04:58 21:42	04:21 22:26	04:47 22:09	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:01 15:35
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20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:40 17:34	06:25 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:04 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:51	04:22 22:27	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
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26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:56	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:00	04:23 22:27	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
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Total, worst case												
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Oper. time red.												
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Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: H - Avotkalni 1

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:25 19:00	07:34 16:38	08:39 15:44
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4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:32	06:30 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:47 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:53 15:37
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:17	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	04:41 22:15	05:41 21:13	06:46 19:50	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:56 16:09	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:24	04:44 22:12	05:45 21:08	06:51 19:44	07:55 18:21	08:06 16:08	08:59 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:00 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:36	04:58 21:42	04:21 22:26	04:47 22:09	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:01 15:35
18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:03	09:02 15:35
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:51 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:47	04:21 22:27	04:52 22:04	05:56 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:40 17:34	06:25 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:58 20:53	07:03 19:28	08:08 18:06	08:19 15:57	09:04 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:51	04:22 22:27	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
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27	08:37 16:35	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:00	04:23 22:27	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
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31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:43	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	228	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: I - Bez nosaukuma (A)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06	08:27	07:19	06:54	05:34	04:33	04:26	05:15	06:21	07:24	07:33	08:39
	15:46	16:46	17:52	20:01	21:07	22:08	22:26	21:41	20:23	18:59	16:38	15:43
2	09:06	08:25	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36	08:41
	15:47	16:48	17:54	20:03	21:09	22:10	22:25	21:39	20:21	18:57	16:36	15:42
3	09:05	08:23	07:14	06:48	05:29	04:31	04:28	05:19	06:25	07:29	07:38	08:42
	15:48	16:51	17:56	20:05	21:12	22:11	22:25	21:37	20:18	18:54	16:33	15:41
4	09:05	08:21	07:11	06:45	05:27	04:30	04:29	05:21	06:27	07:31	07:40	08:44
	15:50	16:53	17:59	20:08	21:14	22:13	22:24	21:34	20:15	18:51	16:31	15:40
5	09:05	08:18	07:09	06:43	05:24	04:28	04:30	05:24	06:29	07:33	07:43	08:46
	15:51	16:56	18:01	20:10	21:16	22:14	22:23	21:32	20:12	18:48	16:29	15:40
6	09:04	08:16	07:06	06:40	05:22	04:28	04:31	05:26	06:32	07:35	07:45	08:47
	15:53	16:58	18:03	20:12	21:18	22:15	22:22	21:30	20:09	18:46	16:27	15:39
7	09:03	08:14	07:03	06:37	05:19	04:27	04:32	05:28	06:34	07:37	07:47	08:49
	15:54	17:00	18:06	20:14	21:20	22:17	22:21	21:28	20:07	18:43	16:24	15:38
8	09:02	08:12	07:01	06:34	05:17	04:26	04:34	05:30	06:36	07:40	07:50	08:50
	15:56	17:03	18:08	20:16	21:22	22:18	22:21	21:25	20:04	18:40	16:22	15:38
9	09:02	08:09	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52	08:52
	15:58	17:05	18:10	20:19	21:25	22:19	22:19	21:23	20:01	18:37	16:20	15:37
10	09:01	08:07	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44	07:54	08:53
	15:59	17:07	18:12	20:21	21:27	22:20	22:18	21:20	19:58	18:35	16:18	15:36
11	09:00	08:05	06:52	06:26	05:10	04:24	04:38	05:36	06:42	07:46	07:56	08:55
	16:01	17:10	18:15	20:23	21:29	22:21	22:17	21:18	19:56	18:32	16:16	15:36
12	08:59	08:02	06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:48	07:59	08:56
	16:03	17:12	18:17	20:25	21:31	22:22	22:16	21:16	19:53	18:29	16:14	15:36
13	08:58	08:00	06:47	06:21	05:06	04:23	04:41	05:40	06:46	07:50	08:01	08:57
	16:05	17:14	18:19	20:27	21:33	22:23	22:15	21:13	19:50	18:26	16:12	15:35
14	08:57	07:58	06:44	06:18	05:04	04:22	04:42	05:43	06:48	07:53	08:03	08:58
	16:07	17:17	18:21	20:30	21:35	22:24	22:13	21:11	19:47	18:24	16:10	15:35
15	08:55	07:55	06:41	06:15	05:02	04:22	04:44	05:45	06:50	07:55	08:05	08:59
	16:09	17:19	18:24	20:32	21:37	22:24	22:12	21:08	19:44	18:21	16:08	15:35
16	08:54	07:53	06:38	06:13	05:00	04:21	04:45	05:47	06:53	07:57	08:08	09:00
	16:11	17:22	18:26	20:34	21:39	22:25	22:11	21:06	19:41	18:18	16:06	15:35
17	08:53	07:50	06:36	06:10	04:58	04:21	04:47	05:49	06:55	07:59	08:10	09:01
	16:13	17:24	18:28	20:36	21:41	22:25	22:09	21:03	19:39	18:16	16:04	15:35
18	08:51	07:48	06:33	06:07	04:56	04:21	04:49	05:51	06:57	08:02	08:12	09:02
	16:15	17:26	18:30	20:38	21:43	22:26	22:08	21:01	19:36	18:13	16:02	15:35
19	08:50	07:45	06:30	06:05	04:54	04:21	04:50	05:53	06:59	08:04	08:14	09:03
	16:17	17:29	18:32	20:41	21:45	22:26	22:06	20:58	19:33	18:11	16:01	15:36
20	08:48	07:43	06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:16	09:04
	16:19	17:31	18:35	20:43	21:47	22:27	22:04	20:55	19:30	18:08	15:59	15:36
21	08:47	07:40	06:24	05:59	04:50	04:21	04:54	05:57	07:03	08:08	08:19	09:04
	16:21	17:33	18:37	20:45	21:49	22:27	22:03	20:53	19:27	18:05	15:57	15:36
22	08:45	07:38	06:22	05:57	04:48	04:21	04:56	06:00	07:05	08:11	08:21	09:05
	16:23	17:36	18:39	20:47	21:51	22:27	22:01	20:50	19:25	18:03	15:56	15:37
23	08:44	07:35	06:19	05:54	04:47	04:22	04:58	06:02	07:07	08:13	08:23	09:05
	16:25	17:38	18:41	20:50	21:53	22:27	21:59	20:48	19:22	18:00	15:54	15:37
24	08:42	07:33	06:16	05:51	04:45	04:22	04:59	06:04	07:09	08:15	08:25	09:06
	16:28	17:40	18:43	20:52	21:55	22:27	21:57	20:45	19:19	17:58	15:52	15:38
25	08:40	07:30	06:13	05:49	04:43	04:22	05:01	06:06	07:12	07:17	08:27	09:06
	16:30	17:43	18:46	20:54	21:57	22:27	21:55	20:42	19:16	16:55	15:51	15:38
26	08:38	07:27	06:11	05:46	04:42	04:23	05:03	06:08	07:14	07:20	08:29	09:06
	16:32	17:45	18:48	20:56	21:58	22:27	21:53	20:40	19:13	16:53	15:50	15:39
27	08:37	07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	07:22	08:31	09:06
	16:34	17:47	18:50	20:58	22:00	22:27	21:51	20:37	19:11	16:50	15:48	15:40
28	08:35	07:22	06:05	05:41	04:39	04:24	05:07	06:12	07:18	07:24	08:33	09:07
	16:37	17:50	18:52	21:01	22:02	22:27	21:49	20:34	19:08	16:48	15:47	15:41
29	08:33		07:02	05:39	04:37	04:25	05:09	06:15	07:20	07:27	08:35	09:07
	16:39		19:54	21:03	22:04	22:27	21:47	20:31	19:05	16:45	15:46	15:42
30	08:31		06:59	05:36	04:36	04:25	05:11	06:17	07:22	07:29	08:37	09:07
	16:41		19:57	21:05	22:05	22:26	21:45	20:29	19:02	16:43	15:45	15:43
31	08:29		06:57		04:34		05:13	06:19		07:31		09:06
	16:44		19:59		22:07		21:43	20:26		16:40		15:44
Potential sun hours	228	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)		First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Minutes with flicker	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: J - Bez nosaukuma (B)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:16 21:41	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	05:32 21:10	04:32 22:10	04:27 22:26	05:18 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:49	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:44 15:41
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12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	05:09 21:31	04:23 22:22	04:39 22:16	05:39 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
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14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:36	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:04 16:10	08:59 15:36
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16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:46 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
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20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:31	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	06:00 20:45	04:50 21:50	04:21 22:27	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:05 15:36
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24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
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26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:56	04:42 21:59	04:23 22:28	05:04 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:01	04:24 22:28	05:06 21:52	06:11 20:37	07:16 19:11	07:22 16:50	08:31 15:49	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	05:42 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:25 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:46	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:37 21:05	04:36 22:06	04:26 22:27	05:11 21:46	06:17 20:29	07:23 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:44	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: K - Bezdeligas Ligzda
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46	08:27 16:46	09:14 (1) 17:52	07:20 20:01	06:54 21:08	05:34 22:09	04:33 22:26	05:15 21:42	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	09:15 (1) 17:54	07:17 20:04	06:51 21:10	05:31 22:10	04:32 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	09:17 (1) 17:57	07:14 20:06	06:48 21:12	05:29 22:12	04:31 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	09:06 15:50	08:21 16:53	09:26 (1) 17:12	07:57 20:06	06:46 21:12	05:27 22:12	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
5	09:05 15:51	08:19 16:56	09:23 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
6	09:04 15:53	08:17 16:58	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
7	09:04 15:54	08:14 17:00	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
8	09:03 15:56	08:12 17:03	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
9	09:02 15:58	08:10 17:05	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
10	09:01 15:59	08:08 17:07	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
11	09:00 16:01	08:05 17:10	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
12	08:59 16:03	08:03 17:12	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
13	08:58 16:05	08:00 17:15	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
14	08:57 16:07	07:58 17:17	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
15	08:56 16:09	07:56 17:19	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
16	08:55 16:11	07:53 17:22	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
17	08:53 16:13	07:51 17:24	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
18	08:52 16:15	07:48 17:26	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
19	08:50 16:17	07:46 17:29	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
20	08:49 16:19	07:43 17:31	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
21	08:47 16:21	09:23 (1) 17:33	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
22	08:46 16:23	09:21 (1) 17:36	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
23	08:44 16:25	09:19 (1) 17:38	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
24	08:42 16:28	09:17 (1) 17:40	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
25	08:41 16:30	09:15 (1) 17:43	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
26	08:39 16:32	09:13 (1) 17:45	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
27	08:37 16:35	09:11 (1) 17:47	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
28	08:35 16:37	09:09 (1) 17:50	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
29	08:33 16:39	09:07 (1) 17:50	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
30	08:31 16:41	09:05 (1) 17:50	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
31	08:29 16:44	09:03 (1) 17:50	09:21 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
Potential sun hours	227	262	365	429	515	539	538	475	386	321	241	207
Total, worst case	141	38									183	
Sun reduction	0,13	0,22									0,15	
Oper. time red.	0,93	0,93									0,93	
Wind dir. red.	0,68	0,68									0,68	
Total reduction	0,08	0,14									0,10	
Total, real	12	5									18	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: L - Birztalinas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:45	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:34 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:10	04:31 22:10	04:27 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:56	06:48 20:06	05:29 21:12	04:30 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	09:05 15:49	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	04:29 22:13	04:29 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:40
5	09:05 15:51	08:19 16:55	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:15	04:30 22:24	05:23 21:33	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39
6	09:04 15:52	08:17 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:27 22:16	04:31 22:23	05:25 21:30	06:31 20:10	07:35 18:46	07:45 16:26	08:48 15:39
7	09:04 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:19 21:21	04:26 22:17	04:32 22:22	05:27 21:28	06:34 20:07	07:37 18:43	07:48 16:24	08:49 15:38
8	09:03 15:56	08:12 17:02	07:01 18:08	06:34 20:17	05:17 21:23	04:25 22:18	04:33 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37
9	09:02 15:57	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:34 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:12 21:27	04:24 22:21	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:35	07:54 16:18	08:54 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:23 22:21	04:37 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:23 22:22	04:39 22:17	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:35
13	08:58 16:04	08:00 17:14	06:47 18:19	06:21 20:28	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:51 18:26	08:01 16:12	08:58 15:35
14	08:57 16:06	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:36	04:22 22:24	04:42 22:14	05:42 21:11	06:48 19:47	07:53 18:24	08:04 16:10	08:59 15:35
15	08:56 16:08	07:56 17:19	06:41 18:24	06:15 20:32	05:02 21:38	04:21 22:25	04:43 22:13	05:44 21:08	06:50 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:10	07:53 17:21	06:38 18:26	06:12 20:34	05:00 21:40	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:18	08:08 16:06	09:01 15:35
17	08:53 16:12	07:51 17:24	06:36 18:28	06:10 20:36	04:58 21:42	04:21 22:26	04:47 22:10	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:02 15:35
18	08:52 16:14	07:48 17:26	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:27	04:48 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:03 15:35
19	08:50 16:17	07:46 17:29	06:30 18:32	06:04 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:10	08:15 16:00	09:03 15:35
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:35
21	08:47 16:21	07:40 17:33	06:25 18:37	05:59 20:45	04:50 21:50	04:21 22:28	04:54 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	05:56 20:48	04:48 21:52	04:21 22:28	04:55 22:01	05:59 20:50	07:05 19:25	08:11 18:03	08:21 15:55	09:05 15:36
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:50	04:46 21:53	04:21 22:28	04:57 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:27	07:33 17:40	06:16 18:44	05:51 20:52	04:45 21:55	04:21 22:28	04:59 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:52	09:06 15:37
25	08:41 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:07 15:38
26	08:39 16:32	07:27 17:45	06:11 18:48	05:46 20:56	04:41 21:59	04:22 22:28	05:03 21:54	06:08 20:40	07:14 19:13	07:20 16:53	08:29 15:49	09:07 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:38 22:02	04:23 22:27	05:07 21:50	06:12 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:24 22:27	05:09 21:48	06:14 20:32	07:20 19:05	07:27 16:45	08:35 15:45	09:07 15:42
30	08:31 16:41		06:59 19:57	05:36 21:05	04:35 22:06	04:25 22:27	05:11 21:46	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:44	09:07 15:43
31	08:29 16:44		06:57 19:59		04:34 22:07		05:13 21:44	06:19 20:26		07:31 16:40		09:07 15:44
Potential sun hours	227	262	365	429	516	539	539	475	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: M - Birzuli

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

January			February			March			April			May			June		
1	09:07		13:37 (10)	08:27		09:53 (12)	07:20		08:16 (13)	06:54		05:34			04:33		
	15:45	32	14:09 (10)	16:46	12	10:05 (12)	17:52	35	08:51 (13)	20:01		21:07			22:09		
2	09:06		13:38 (10)	08:25		09:56 (12)	07:17		08:16 (13)	06:51		05:31			04:31		
	15:47	32	14:10 (10)	16:48	6	10:02 (12)	17:54	34	08:50 (13)	20:03		21:10			22:10		
3	09:06		13:38 (10)	08:23			07:14		08:16 (13)	06:48		05:29			04:30		
	15:48	32	14:10 (10)	16:51			17:56	34	08:50 (13)	20:06		21:12			22:12		
4	09:05		13:38 (10)	08:21			07:11		08:16 (13)	06:45		05:26			04:29		
	15:49	32	14:10 (10)	16:53			17:59	33	08:49 (13)	20:08		21:14			22:13		
5	09:05		09:47 (12)	08:19			07:09		08:17 (13)	06:43		05:24			04:28		
	15:51	39	14:11 (10)	16:55			18:01	32	08:49 (13)	20:10		21:16			22:15		
6	09:04		09:47 (12)	08:16			07:06		08:17 (13)	06:40		05:22			04:27		
	15:52	41	14:12 (10)	16:58			18:03	31	08:48 (13)	20:12		21:18			22:16		
7	09:04		09:46 (12)	08:14			07:03		08:18 (13)	06:37		05:19			04:26		
	15:54	43	14:12 (10)	17:00			18:06	29	08:47 (13)	20:14		21:21			22:17		
8	09:03		09:44 (12)	08:12			07:01		08:18 (13)	06:34		05:17			04:25		
	15:56	46	14:12 (10)	17:02			18:08	27	08:45 (13)	20:17		21:23			22:18		
9	09:02		09:44 (12)	08:10			06:58		08:19 (13)	06:32		05:15			04:25		
	15:57	47	14:12 (10)	17:05			18:10	24	08:43 (13)	20:19		21:25			22:19		
10	09:01		09:44 (12)	08:07			06:55		08:22 (13)	06:29		05:12			04:24		
	15:59	48	14:13 (10)	17:07			18:12	19	08:41 (13)	20:21		21:27			22:20		
11	09:00		09:44 (12)	08:05			06:52		08:24 (13)	06:26		05:10			04:23		
	16:01	50	14:13 (10)	17:10			18:15	14	08:38 (13)	20:23		21:29			22:21		
12	08:59		09:43 (12)	08:03			06:50			06:23		05:08			04:23		
	16:03	51	14:13 (10)	17:12			18:17			20:25		21:31			22:22		
13	08:58		09:44 (12)	08:00			06:47			06:21		05:06			04:22		
	16:05	49	14:13 (10)	17:14			18:19			20:28		21:33			22:23		
14	08:57		09:43 (12)	07:58			06:44			06:18		05:04			04:22		
	16:06	51	14:13 (10)	17:17			18:21			20:30		21:35			22:24		
15	08:56		09:43 (12)	07:55			06:41			06:15		05:02			04:21		
	16:08	52	14:14 (10)	17:19			18:24			20:32		21:38			22:25		
16	08:54		09:43 (12)	07:53			06:38			06:12		05:00			04:21		
	16:10	50	14:13 (10)	17:21			18:26			20:34		21:40			22:25		
17	08:53		09:43 (12)	07:51			06:36			06:10		04:58			04:21		
	16:12	51	14:13 (10)	17:24			18:28			20:36		21:42			22:26		
18	08:52		09:44 (12)	07:48		08:30 (13)	06:33			06:07		04:56			04:21		
	16:14	49	14:13 (10)	17:26	10	08:40 (13)	18:30			20:39		21:44			22:26		
19	08:50		09:44 (12)	07:46		08:26 (13)	06:30			06:04		04:54			04:21		
	16:17	49	14:13 (10)	17:29	17	08:43 (13)	18:32			20:41		21:46			22:27		
20	08:49		09:44 (12)	07:43		08:24 (13)	06:27			06:02		04:52			04:21		
	16:19	47	14:12 (10)	17:31	21	08:45 (13)	18:35			20:43		21:48			22:27		
21	08:47		09:44 (12)	07:40		08:23 (13)	06:25			05:59		04:50			04:21		
	16:21	45	14:11 (10)	17:33	24	08:47 (13)	18:37			20:45		21:50			22:28		
22	08:46		09:44 (12)	07:38		08:21 (13)	06:22			05:57		04:48			04:21		
	16:23	42	14:10 (10)	17:36	27	08:48 (13)	18:39			20:48		21:51			22:28		
23	08:44		09:44 (12)	07:35		08:19 (13)	06:19			05:54		04:46			04:21		
	16:25	39	14:08 (10)	17:38	30	08:49 (13)	18:41			20:50		21:53			22:28		
24	08:42		09:45 (12)	07:33		08:19 (13)	06:16			05:51		04:45			04:22		
	16:27	33	14:06 (10)	17:40	31	08:50 (13)	18:43			20:52		21:55			22:28		
25	08:41		09:45 (12)	07:30		08:18 (13)	06:13			05:49		04:43			04:22		
	16:30	25	10:10 (12)	17:43	32	08:50 (13)	18:46			20:54		21:57			22:28		
26	08:39		09:46 (12)	07:27		08:17 (13)	06:10			05:46		04:41			04:22		
	16:32	24	10:10 (12)	17:45	34	08:51 (13)	18:48			20:56		21:59			22:28		
27	08:37		09:47 (12)	07:25		08:17 (13)	06:08			05:44		04:40			04:23		
	16:34	23	10:10 (12)	17:47	33	08:50 (13)	18:50			20:59		22:01			22:28		
28	08:35		09:48 (12)	07:22		08:17 (13)	06:05			05:41		04:38			04:24		
	16:37	22	10:10 (12)	17:50	34	08:51 (13)	18:52			21:01		22:02			22:27		
29	08:33		09:48 (12)				07:02			05:39		04:37			04:24		
	16:39	20	10:08 (12)				19:55			21:03		22:04			22:27		
30	08:31		09:49 (12)				06:59			05:36		04:35			04:25		
	16:41	19	10:08 (12)				19:57			21:05		22:06			22:27		
31	08:29		09:51 (12)				06:57					04:34					
	16:44	16	10:07 (12)				19:59					22:07					
Potential sun hours			227		262		365		429		515		539				
Total, worst case			1199		311		312										
Sun reduction			0,13		0,22		0,37										
Oper. time red.			0,93		0,93		0,93										
Wind dir. red.			0,47		0,84		0,85										
Total reduction			0,06		0,17		0,29										
Total, real			68		53		91										

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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SHADOW - Calendar

Shadow receptor: M - Birzuli

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	July	August	September	October	November	December
1	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:34 16:38	08:39 15:43
2	04:27 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	04:29 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:40
5	04:30 22:24	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39
6	04:31 22:23	05:25 21:30	06:31 20:10	07:35 18:46	07:45 16:26	08:48 15:39
7	04:32 22:22	05:27 21:28	06:34 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	04:33 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37
9	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:35	07:54 16:18	08:54 15:36
11	04:37 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:35
13	04:40 22:15	05:40 21:13	06:46 19:50	07:51 18:26	08:01 16:12	08:57 15:35
14	04:42 22:14	05:42 21:11	06:48 19:47	07:53 18:24	08:03 16:10	08:59 15:35
15	04:43 22:12	05:44 21:08	06:50 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:18	08:08 16:06	09:01 15:35
17	04:47 22:09	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:02 15:35
18	04:48 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:10	08:15 16:00	09:03 15:35
20	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:35
21	04:54 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:05 15:36
22	04:55 22:01	05:59 20:50	07:05 19:25	08:11 18:03	08:21 15:55	09:05 15:36
23	04:57 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	04:59 21:58	06:04 20:45	07:09 19:19	08:15 17:58	08:25 15:52	09:06 15:37
25	05:01 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:38
26	05:03 21:54	06:08 20:40	07:14 19:13	07:20 16:53	08:29 15:49	09:07 15:39
27	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	05:07 21:50	06:12 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	05:09 21:48	06:14 20:32	07:20 19:05	07:27 16:45	08:35 15:45	09:07 15:42
30	05:11 21:46	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:44	09:07 15:43
31	05:13 21:44	06:19 20:26		07:31 16:40		09:07 15:44
Potential sun hours	539	475	386	321	241	207
Total, worst case				615	777	1076
Sun reduction				0,31	0,15	0,13
Oper. time red.				0,93	0,93	0,93
Wind dir. red.				0,85	0,50	0,40
Total reduction				0,24	0,07	0,05
Total, real				149	55	51

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: N - Caunites
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:19 17:52	06:54 20:01	05:34 21:07	04:33 22:08	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:33 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:09	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:20	07:26 18:57	07:36 16:36	08:40 15:42
3	09:05 15:48	08:23 16:51	07:14 17:56	06:48 20:05	05:29 21:12	04:31 22:11	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:42 15:41
4	09:05 15:50	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	04:29 22:13	04:29 22:24	05:21 21:34	06:27 20:15	07:31 18:51	07:40 16:31	08:44 15:40
5	09:04 15:51	08:18 16:55	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:14	04:30 22:23	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:27 22:15	04:31 22:22	05:26 21:30	06:31 20:09	07:35 18:45	07:45 16:27	08:47 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:19 21:20	04:26 22:17	04:32 22:21	05:28 21:28	06:34 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:02 15:56	08:12 17:03	07:00 18:08	06:34 20:16	05:17 21:22	04:26 22:18	04:33 22:20	05:30 21:25	06:36 20:04	07:39 18:40	07:49 16:22	08:50 15:37
9	09:02 15:57	08:09 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:19	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:18	05:34 21:20	06:40 19:58	07:44 18:35	07:54 16:18	08:53 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:24 22:21	04:38 22:17	05:36 21:18	06:42 19:55	07:46 18:32	07:56 16:16	08:55 15:36
12	08:59 16:03	08:02 17:12	06:49 18:17	06:23 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:14	06:47 18:19	06:21 20:27	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:50 18:26	08:01 16:12	08:57 15:35
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:13	05:42 21:11	06:48 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:55 16:09	07:55 17:19	06:41 18:23	06:15 20:32	05:02 21:37	04:22 22:24	04:44 22:12	05:45 21:08	06:50 19:44	07:55 18:21	08:05 16:08	08:59 15:35
16	08:54 16:11	07:53 17:22	06:38 18:26	06:12 20:34	05:00 21:39	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:41	07:57 18:18	08:08 16:06	09:00 15:35
17	08:53 16:13	07:50 17:24	06:36 18:28	06:10 20:36	04:58 21:41	04:21 22:25	04:47 22:09	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:01 15:35
18	08:51 16:15	07:48 17:26	06:33 18:30	06:07 20:38	04:56 21:43	04:21 22:26	04:49 22:08	05:51 21:00	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:45 17:29	06:30 18:32	06:04 20:41	04:54 21:45	04:21 22:26	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:10	08:14 16:00	09:03 15:35
20	08:48 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:47	04:21 22:27	04:52 22:04	05:55 20:55	07:01 19:30	08:06 18:08	08:16 15:59	09:04 15:36
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:04 15:36
22	08:45 16:23	07:38 17:36	06:22 18:39	05:57 20:47	04:48 21:51	04:21 22:27	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:55	09:05 15:37
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:49	04:47 21:53	04:22 22:27	04:57 21:59	06:02 20:47	07:07 19:22	08:13 18:00	08:23 15:54	09:05 15:37
24	08:42 16:28	07:33 17:40	06:16 18:43	05:51 20:52	04:45 21:55	04:22 22:27	04:59 21:57	06:04 20:45	07:09 19:19	08:15 17:58	08:25 15:52	09:06 15:38
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:27	05:01 21:55	06:06 20:42	07:12 19:16	07:17 16:55	08:27 15:51	09:06 15:38
26	08:38 16:32	07:27 17:45	06:10 18:48	05:46 20:56	04:42 21:58	04:23 22:27	05:03 21:53	06:08 20:39	07:14 19:13	07:20 16:53	08:29 15:50	09:06 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:58	04:40 22:00	04:23 22:27	05:05 21:51	06:10 20:37	07:16 19:10	07:22 16:50	08:31 15:48	09:06 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:38 22:02	04:24 22:27	05:07 21:49	06:12 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:54	05:39 21:03	04:37 22:04	04:24 22:27	05:09 21:47	06:14 20:31	07:20 19:05	07:26 16:45	08:35 15:46	09:07 15:42
30	08:31 16:41		06:59 19:57	05:36 21:05	04:36 22:05	04:25 22:26	05:11 21:45	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:44	09:07 15:43
31	08:29 16:44		06:56 19:59		04:34 22:07		05:13 21:43	06:19 20:26		07:31 16:40		09:06 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: O - Cerini 2

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1	09:07	08:27	09:48 (2)	07:20	06:54	08:13 (3)
	15:46	16:46	09:58 (2)	17:52	20:01	08:31 (3)
2	09:06	08:25		07:17	06:51	08:15 (3)
	15:47	16:49		17:54	20:04	08:28 (3)
3	09:06	08:23		07:14	06:48	05:29
	15:48	16:51		17:57	20:06	21:12
4	09:06	08:21		07:12	06:46	05:27
	15:50	16:53		17:59	20:08	21:14
5	09:05	08:19		07:09	06:43	07:09 (1)
	15:51	16:56		18:01	20:10	07:13 (1)
6	09:04	08:17		07:06	06:40	07:06 (1)
	15:53	16:58		18:04	20:12	07:14 (1)
7	09:04	08:14		07:04	06:37	07:04 (1)
	15:54	17:00		18:06	20:15	07:15 (1)
8	09:03	09:44 (2)	08:12	07:01	06:35	07:01 (1)
	15:56	09:46 (2)	17:03	18:08	20:17	07:14 (1)
9	09:02	09:42 (2)	08:10	06:58	06:32	06:58 (1)
	15:58	09:50 (2)	17:05	18:10	20:19	07:14 (1)
10	09:01	09:41 (2)	08:08	06:55	06:29	06:57 (1)
	15:59	09:52 (2)	17:08	18:13	20:21	07:13 (1)
11	09:00	09:41 (2)	08:05	06:53	06:26	06:58 (1)
	16:01	09:54 (2)	17:10	18:15	20:23	07:13 (1)
12	08:59	09:40 (2)	08:03	06:50	06:24	06:59 (1)
	16:03	09:54 (2)	17:12	18:17	20:26	07:11 (1)
13	08:58	09:40 (2)	08:00	06:47	06:21	06:59 (1)
	16:05	09:56 (2)	17:15	18:19	20:28	07:09 (1)
14	08:57	09:39 (2)	07:58	06:44	06:18	07:03 (1)
	16:07	09:56 (2)	17:17	18:22	20:30	07:07 (1)
15	08:56	09:39 (2)	07:56	06:42	07:19 (3)	06:15
	16:09	09:58 (2)	17:19	18:24	20:32	07:36 (3)
16	08:55	09:39 (2)	07:53	06:39	07:17 (3)	06:13
	16:11	09:58 (2)	17:22	18:26	20:34	07:38 (3)
17	08:53	09:38 (2)	07:51	06:36	07:15 (3)	06:10
	16:13	09:59 (2)	17:24	18:28	20:37	07:39 (3)
18	08:52	09:39 (2)	07:48	06:33	07:13 (3)	06:07
	16:15	10:00 (2)	17:27	18:30	20:39	07:40 (3)
19	08:50	09:39 (2)	07:46	06:30	07:12 (3)	06:05
	16:17	10:01 (2)	17:29	18:33	20:41	07:40 (3)
20	08:49	09:39 (2)	07:43	06:28	07:11 (3)	06:02
	16:19	10:01 (2)	17:31	18:35	20:43	07:41 (3)
21	08:47	09:39 (2)	07:41	06:25	07:10 (3)	05:59
	16:21	10:02 (2)	17:34	18:37	20:45	07:41 (3)
22	08:46	09:39 (2)	07:38	06:22	07:09 (3)	05:57
	16:23	10:02 (2)	17:36	18:39	20:48	07:41 (3)
23	08:44	09:39 (2)	07:36	06:19	07:09 (3)	05:54
	16:26	10:02 (2)	17:38	18:42	20:50	07:41 (3)
24	08:42	09:40 (2)	07:33	06:16	07:08 (3)	05:52
	16:28	10:02 (2)	17:41	18:44	20:52	07:40 (3)
25	08:41	09:40 (2)	07:30	06:14	07:09 (3)	05:49
	16:30	10:03 (2)	17:43	18:46	20:54	07:41 (3)
26	08:39	09:41 (2)	07:28	06:11	07:09 (3)	05:46
	16:32	10:03 (2)	17:45	18:48	20:57	07:40 (3)
27	08:37	09:41 (2)	07:25	06:08	07:09 (3)	05:44
	16:35	10:03 (2)	17:48	18:50	20:59	07:39 (3)
28	08:35	09:42 (2)	07:22	06:05	07:09 (3)	05:41
	16:37	10:02 (2)	17:50	18:53	21:01	07:38 (3)
29	08:33	09:44 (2)		07:02	08:09 (3)	05:39
	16:39	10:02 (2)		19:55	08:36 (3)	21:03
30	08:31	09:44 (2)		07:00	08:11 (3)	05:36
	16:42	10:00 (2)		19:57	08:36 (3)	21:05
31	08:29	09:46 (2)		06:57	08:11 (3)	
	16:44	10:00 (2)		19:59	08:34 (3)	
Potential sun hours	227	262	365	429	515	539
Total, worst case	431	10	481	140		
Sun reduction	0,13	0,22	0,37	0,46		
Oper. time red.	0,93	0,93	0,93	0,93		
Wind dir. red.	0,59	0,59	0,97	0,99		
Total reduction	0,07	0,12	0,33	0,42		
Total, real	31	1	160	59		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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SHADOW - Calendar

Shadow receptor: O - Cerini 2

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	July		August		September		October		November		December	
1	04:26	05:15			06:21	06:57 (1)	07:25	07:34			08:39	09:23 (2)
	22:26	21:42			20:24	15	07:12 (1)	19:00	16:38		15:44	13 09:36 (2)
2	04:27	05:17			06:23	06:56 (1)	07:27	07:36			08:41	09:24 (2)
	22:26	21:39			20:21	16	07:12 (1)	18:57	16:36		15:42	11 09:35 (2)
3	04:28	05:19			06:25	06:56 (1)	07:29	07:38			08:43	09:26 (2)
	22:25	21:37			20:18	16	07:12 (1)	18:54	16:34		15:41	8 09:34 (2)
4	04:29	05:22			06:27	06:58 (1)	07:31	07:41			08:44	09:29 (2)
	22:24	21:35			20:15	14	07:12 (1)	18:51	16:31		15:41	3 09:32 (2)
5	04:30	05:24			06:30	07:00 (1)	07:33	07:43			08:46	
	22:24	21:33			20:13	11	07:11 (1)	18:49	16:29		15:40	
6	04:31	05:26			06:32	07:02 (1)	07:35	07:45			08:48	
	22:23	21:30			20:10	8	07:10 (1)	18:46	16:27		15:39	
7	04:32	05:28			06:34	07:04 (1)	07:38	07:48			08:49	
	22:22	21:28			20:07	4	07:08 (1)	18:43	16:25		15:38	
8	04:34	05:30			06:36		07:40	07:50			08:51	
	22:21	21:26			20:04		18:40	16:22			15:38	
9	04:35	05:32			06:38		07:42	07:52		09:23 (2)	08:52	
	22:20	21:23			20:01		18:38	16:20	1	09:24 (2)	15:37	
10	04:36	05:34			06:40		08:08 (3)	07:44	07:55		09:19 (2)	08:54
	22:19	21:21			19:59	13	08:21 (3)	18:35	16:18	10	09:29 (2)	15:37
11	04:38	05:36			06:42		08:05 (3)	07:46	07:57		09:16 (2)	08:55
	22:18	21:18			19:56	18	08:23 (3)	18:32	16:16	15	09:31 (2)	15:36
12	04:39	05:38			06:44		08:03 (3)	07:49	07:59		09:16 (2)	08:56
	22:17	21:16			19:53	22	08:25 (3)	18:29	16:14	16	09:32 (2)	15:36
13	04:41	05:41			06:47		08:01 (3)	07:51	08:01		09:15 (2)	08:58
	22:15	21:14			19:50	25	08:26 (3)	18:27	16:12	19	09:34 (2)	15:36
14	04:42	05:43			06:49		08:00 (3)	07:53	08:04		09:14 (2)	08:59
	22:14	21:11			19:47	27	08:27 (3)	18:24	16:10	20	09:34 (2)	15:35
15	04:44	05:45			06:51		07:58 (3)	07:55	08:06		09:14 (2)	09:00
	22:13	21:09			19:45	29	08:27 (3)	18:21	16:08	21	09:35 (2)	15:35
16	04:45	05:47			06:53		07:57 (3)	07:57	08:08		09:14 (2)	09:01
	22:11	21:06			19:42	30	08:27 (3)	18:19	16:06	22	09:36 (2)	15:35
17	04:47	05:49			06:55		07:57 (3)	08:00	08:10		09:14 (2)	09:02
	22:10	21:03			19:39	31	08:28 (3)	18:16	16:04	22	09:36 (2)	15:35
18	04:49	05:51			06:57		07:56 (3)	08:02	08:13		09:13 (2)	09:03
	22:08	21:01			19:36	32	08:28 (3)	18:13	16:02	23	09:36 (2)	15:35
19	04:50	05:53			06:59		07:56 (3)	08:04	08:15		09:14 (2)	09:03
	22:06	20:58			19:33	32	08:28 (3)	18:11	16:01	23	09:37 (2)	15:36
20	04:52	05:56			07:01		07:55 (3)	08:06	08:17		09:14 (2)	09:04
	22:05	20:56			19:31	33	08:28 (3)	18:08	15:59	23	09:37 (2)	15:36
21	04:54	05:58			07:03		07:55 (3)	08:09	08:19		09:15 (2)	09:05
	22:03	20:53			19:28	32	08:27 (3)	18:06	15:57	23	09:38 (2)	15:36
22	04:56	06:00			07:06		07:55 (3)	08:11	08:21		09:15 (2)	09:05
	22:01	20:51			19:25	31	08:26 (3)	18:03	15:56	22	09:37 (2)	15:37
23	04:58	06:02			07:08		07:55 (3)	08:13	08:23		09:16 (2)	09:06
	22:00	20:48			19:22	30	08:25 (3)	18:00	15:54	22	09:38 (2)	15:37
24	05:00	06:04			07:10		07:55 (3)	08:15	08:25		09:16 (2)	09:06
	21:58	20:45			19:19	29	08:24 (3)	17:58	15:53	21	09:37 (2)	15:38
25	05:01	06:06			07:12		07:55 (3)	07:18	08:27		09:16 (2)	09:07
	21:56	20:43			19:16	28	08:23 (3)	16:55	15:51	21	09:37 (2)	15:39
26	05:03	06:08			07:14		07:56 (3)	07:20	08:30		09:18 (2)	09:07
	21:54	20:40			19:14	25	08:21 (3)	16:53	15:50	20	09:38 (2)	15:39
27	05:05	06:10			07:16		07:58 (3)	07:22	08:32		09:18 (2)	09:07
	21:52	20:37			19:11	22	08:20 (3)	16:50	15:48	19	09:37 (2)	15:40
28	05:07	06:13			07:18		07:59 (3)	07:25	08:33		09:19 (2)	09:07
	21:50	20:34			19:08	19	08:18 (3)	16:48	15:47	18	09:37 (2)	15:41
29	05:09	06:15		07:03 (1)	07:20		08:02 (3)	07:27	08:35		09:20 (2)	09:07
	21:48	20:32	5	07:08 (1)	19:05	13	08:15 (3)	16:45	15:46	16	09:36 (2)	15:42
30	05:11	06:17		07:00 (1)	07:23			07:29	08:37		09:22 (2)	09:07
	21:46	20:29	10	07:10 (1)	19:02			16:43	15:45	14	09:36 (2)	15:43
31	05:13	06:19		06:58 (1)				07:31				09:07
	21:44	20:26	13	07:11 (1)				16:41				15:44
Potential sun hours	538	474			386			321		241		207
Total, worst case			28		605				411			35
Sun reduction			0,55		0,43				0,15			0,13
Oper. time red.			0,93		0,93				0,93			0,93
Wind dir. red.			1,00		0,98				0,59			0,59
Total reduction			0,51		0,39				0,08			0,07
Total, real			14		236				35			2

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: P - Drupas

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1	09:07	08:27	09:50 (2)	07:20	06:54	07:28 (4)
	15:46	16:46	10:05 (2)	17:52	20:01	08:29 (3)
2	09:06	08:25	09:52 (2)	07:17	06:51	07:27 (4)
	15:47	16:49	10:03 (2)	17:54	20:04	08:28 (3)
3	09:06	08:23	09:56 (2)	07:14	06:48	07:27 (4)
	15:48	16:51	09:59 (2)	17:57	20:06	08:27 (3)
4	09:06	08:21	07:12	07:12	06:46	07:28 (4)
	15:50	16:53	17:59	20:08	55	08:27 (3)
5	09:05	08:19	07:09	06:43	07:27 (4)	05:24
	15:51	16:56	18:01	20:10	54	08:26 (3)
6	09:04	08:17	07:06	06:40	07:28 (4)	05:22
	15:53	16:58	18:04	20:12	49	08:24 (3)
7	09:04	08:14	07:04	06:37	07:29 (4)	05:20
	15:54	17:00	18:06	20:15	46	08:24 (3)
8	09:03	09:46 (2)	08:12	07:01	06:35	07:30 (4)
	15:56	09:53 (2)	17:03	18:08	20:17	38
9	09:02	09:45 (2)	08:10	06:58	06:32	06:58 (1)
	15:58	09:56 (2)	17:05	18:10	20:19	33
10	09:01	09:44 (2)	08:08	06:55	06:29	06:55 (1)
	15:59	09:57 (2)	17:08	18:13	20:21	22
11	09:00	09:44 (2)	08:05	06:53	06:26	06:53 (1)
	16:01	09:59 (2)	17:10	18:15	20:23	17
12	08:59	09:43 (2)	08:03	06:50	06:24	06:50 (1)
	16:03	10:00 (2)	17:12	18:17	20:26	12
13	08:58	09:43 (2)	08:00	06:47	06:21	06:47 (1)
	16:05	10:01 (2)	17:15	18:19	20:28	15
14	08:57	09:42 (2)	07:58	06:44	06:18	06:45 (1)
	16:07	10:02 (2)	17:17	18:22	20:30	17
15	08:56	09:43 (2)	07:56	06:41	06:15	06:45 (1)
	16:09	10:03 (2)	17:19	18:24	20:32	16
16	08:55	09:42 (2)	07:53	06:39	06:13	06:45 (1)
	16:11	10:04 (2)	17:22	18:26	20:34	16
17	08:53	09:42 (2)	07:51	06:36	06:10	06:45 (1)
	16:13	10:04 (2)	17:24	18:28	20:37	15
18	08:52	09:43 (2)	07:48	06:33	06:07	06:46 (1)
	16:15	10:06 (2)	17:27	18:30	20:39	12
19	08:50	09:42 (2)	07:46	06:30	06:05	06:48 (1)
	16:17	10:06 (2)	17:29	18:33	20:41	9
20	08:49	09:42 (2)	07:43	06:28	07:10 (3)	06:02
	16:19	10:07 (2)	17:31	18:35	12	07:22 (3)
21	08:47	09:42 (2)	07:41	06:25	07:06 (3)	05:59
	16:21	10:07 (2)	17:34	18:37	19	07:25 (3)
22	08:46	09:42 (2)	07:38	06:22	07:03 (3)	05:57
	16:23	10:07 (2)	17:36	18:39	23	07:26 (3)
23	08:44	09:43 (2)	07:35	06:19	07:01 (3)	05:54
	16:26	10:08 (2)	17:38	18:42	26	07:27 (3)
24	08:42	09:43 (2)	07:33	06:16	06:59 (3)	05:52
	16:28	10:08 (2)	17:41	18:44	29	07:28 (3)
25	08:41	09:43 (2)	07:30	06:14	06:59 (3)	05:49
	16:30	10:08 (2)	17:43	18:46	31	07:30 (3)
26	08:39	09:44 (2)	07:28	06:11	06:57 (3)	05:46
	16:32	10:08 (2)	17:45	18:48	33	07:30 (3)
27	08:37	09:45 (2)	07:25	06:08	06:35 (4)	05:44
	16:35	10:08 (2)	17:48	18:50	46	07:30 (3)
28	08:35	09:46 (2)	07:22	06:05	06:33 (4)	05:41
	16:37	10:08 (2)	17:50	18:53	50	07:30 (3)
29	08:33	09:46 (2)	07:02	07:02	07:31 (4)	05:39
	16:39	10:07 (2)	19:55	54	08:30 (3)	21:03
30	08:31	09:47 (2)	07:00	07:00	07:30 (4)	05:36
	16:42	10:07 (2)	19:57	55	08:30 (3)	21:05
31	08:29	09:48 (2)	06:57	07:29 (4)		04:34
	16:44	10:06 (2)	19:59	58	08:30 (3)	22:07
Potential sun hours	227	262	365	429	515	539
Total, worst case	490	29	436	597		
Sun reduction	0,13	0,22	0,37	0,46		
Oper. time red.	0,93	0,93	0,93	0,93		
Wind dir. red.	0,57	0,57	0,99	0,99		
Total reduction	0,07	0,12	0,34	0,42		
Total, real	34	3	147	253		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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SHADOW - Calendar

Shadow receptor: P - Drupas

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	July	August	September	October	November	December			
1	04:26	05:15	06:21	06:52 (1)	07:25	07:34	08:39	09:26 (2)	
	22:26	21:42	20:24	17 08:11 (3)	19:00	16:38	15:44	15 09:41 (2)	
2	04:27	05:17	06:23	06:54 (1)	07:27	07:36	08:41	09:28 (2)	
	22:26	21:39	20:21	22 08:15 (3)	18:57	16:36	15:42	13 09:41 (2)	
3	04:28	05:19	06:25	06:56 (1)	07:29	07:38	08:43	09:29 (2)	
	22:25	21:37	20:18	32 08:17 (3)	18:54	16:34	15:41	11 09:40 (2)	
4	04:29	05:22	06:27	07:27 (4)	07:31	07:41	08:44	09:31 (2)	
	22:24	21:35	20:15	38 08:18 (3)	18:51	16:31	15:41	8 09:39 (2)	
5	04:30	05:24	06:30	07:25 (4)	07:33	07:43	08:46	09:34 (2)	
	22:24	21:33	20:13	46 08:20 (3)	18:49	16:29	15:40	2 09:36 (2)	
6	04:31	05:26	06:32	07:24 (4)	07:35	07:45	08:48		
	22:23	21:30	20:10	48 08:20 (3)	18:46	16:27	15:39		
7	04:32	05:28	06:34	07:23 (4)	07:38	07:48	08:49		
	22:22	21:28	20:07	53 08:21 (3)	18:43	16:25	15:38		
8	04:34	05:30	06:36	07:22 (4)	07:40	07:50	09:26 (2)	08:51	
	22:21	21:26	20:04	55 08:21 (3)	18:40	16:22	4 09:30 (2)	15:38	
9	04:35	05:32	06:38	07:21 (4)	07:42	07:52	09:22 (2)	08:52	
	22:20	21:23	20:01	58 08:22 (3)	18:38	16:20	12 09:34 (2)	15:37	
10	04:36	05:34	06:40	07:21 (4)	07:44	07:55	09:21 (2)	08:54	
	22:19	21:21	19:59	57 08:22 (3)	18:35	16:18	15 09:36 (2)	15:37	
11	04:38	05:36	06:42	07:20 (4)	07:46	07:57	09:19 (2)	08:55	
	22:18	21:18	19:56	58 08:21 (3)	18:32	16:16	18 09:37 (2)	15:36	
12	04:39	05:38	06:44	07:20 (4)	07:49	07:59	09:19 (2)	08:56	
	22:17	21:16	19:53	58 08:21 (3)	18:29	16:14	20 09:39 (2)	15:36	
13	04:41	05:41	06:47	07:21 (4)	07:51	08:01	09:17 (2)	08:58	
	22:15	21:14	19:50	56 08:21 (3)	18:27	16:12	22 09:39 (2)	15:36	
14	04:42	05:43	06:49	07:21 (4)	07:53	08:04	09:17 (2)	08:59	
	22:14	21:11	19:47	54 08:20 (3)	18:24	16:10	23 09:40 (2)	15:35	
15	04:44	05:45	06:51	07:22 (4)	07:55	08:06	09:18 (2)	09:00	
	22:13	21:09	19:45	51 08:20 (3)	18:21	16:08	23 09:41 (2)	15:35	
16	04:45	05:47	06:53	07:23 (4)	07:57	08:08	09:17 (2)	09:01	
	22:11	21:06	19:42	46 08:19 (3)	18:19	16:06	24 09:41 (2)	15:35	
17	04:47	05:49	06:55	07:28 (4)	08:00	08:10	09:17 (2)	09:02	
	22:10	21:03	19:39	37 08:19 (3)	18:16	16:04	25 09:42 (2)	15:35	
18	04:49	05:51	06:57	07:46 (3)	08:02	08:13	09:17 (2)	09:03	
	22:08	21:01	19:36	31 08:17 (3)	18:13	16:02	25 09:42 (2)	15:35	
19	04:50	05:53	06:59	07:46 (3)	08:04	08:15	09:18 (2)	09:03	
	22:06	20:58	19:33	30 08:16 (3)	18:11	16:01	25 09:43 (2)	15:36	
20	04:52	05:56	07:01	07:47 (3)	08:06	08:17	09:17 (2)	09:04	
	22:05	20:56	19:31	27 08:14 (3)	18:08	15:59	25 09:42 (2)	15:36	
21	04:54	05:58	07:03	07:48 (3)	08:09	08:19	09:18 (2)	09:05	
	22:03	20:53	19:28	24 08:12 (3)	18:06	15:57	25 09:43 (2)	15:36	
22	04:56	06:00	07:06	07:50 (3)	08:11	08:21	09:18 (2)	09:05	
	22:01	20:51	19:25	20 08:10 (3)	18:03	15:56	25 09:43 (2)	15:37	
23	04:58	06:02	06:55 (1)	07:08	07:52 (3)	08:13	08:23	09:19 (2)	09:06
	22:00	20:48	2 06:57 (1)	19:22	15 08:07 (3)	18:00	15:54	24 09:43 (2)	15:37
24	05:00	06:04	06:51 (1)	07:10	08:15	08:25	09:20 (2)	09:06	
	21:58	20:45	10 07:01 (1)	19:19	17:58	15:53	23 09:43 (2)	15:38	
25	05:01	06:06	06:49 (1)	07:12	07:18	08:27	09:20 (2)	09:07	
	21:56	20:43	13 07:02 (1)	19:16	16:55	15:51	22 09:42 (2)	15:39	
26	05:03	06:08	06:48 (1)	07:14	07:20	08:30	09:21 (2)	09:07	
	21:54	20:40	15 07:03 (1)	19:14	16:53	15:50	22 09:43 (2)	15:39	
27	05:05	06:10	06:47 (1)	07:16	07:22	08:32	09:22 (2)	09:07	
	21:52	20:37	16 07:03 (1)	19:11	16:50	15:48	20 09:42 (2)	15:40	
28	05:07	06:13	06:47 (1)	07:18	07:25	08:33	09:22 (2)	09:07	
	21:50	20:34	16 07:03 (1)	19:08	16:48	15:47	20 09:42 (2)	15:41	
29	05:09	06:15	06:46 (1)	07:20	07:27	08:35	09:23 (2)	09:07	
	21:48	20:32	17 07:03 (1)	19:05	16:45	15:46	18 09:41 (2)	15:42	
30	05:11	06:17	06:48 (1)	07:23	07:29	08:37	09:25 (2)	09:07	
	21:46	20:29	15 07:03 (1)	19:02	16:43	15:45	17 09:42 (2)	15:43	
31	05:13	06:19	06:50 (1)		07:31			09:07	
	21:44	20:26	12 07:02 (1)		16:41			15:44	
Potential sun hours	538	474		386		321	241		207
Total, worst case		116		933		477			49
Sun reduction		0,55		0,43		0,15			0,13
Oper. time red.		0,93		0,93		0,93			0,93
Wind dir. red.		0,99		0,99		0,57			0,57
Total reduction		0,50		0,40		0,08			0,07
Total, real		58		369		39			3

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: Q - Dundagas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March		April	May	June	July	August	September		October		November	December	
1	09:07 15:46	08:27 16:46	07:20 17:52		06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:42	06:21 20:24		07:25 19:00		08:15 (3) 08:39 (3)	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54		06:51 20:04	05:32 21:10	04:32 22:10	04:27 22:26	05:17 21:39	06:23 20:21		07:27 18:57	24	08:14 (3) 08:38 (3)	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:57		07:45 (3) 07:54 (3)	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	24	08:14 (3) 08:39 (3)	07:38 16:34	08:43 15:41
4	09:06 15:50	08:21 16:53	07:12 17:59	9	07:43 (3) 07:57 (3)	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:25	05:22 21:35	06:28 20:15	07:31 18:51	25	08:14 (3) 08:38 (3)	07:41 16:31	08:45 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	14	07:41 (3) 07:59 (3)	06:43 20:10	05:24 21:16	04:29 22:15	05:24 22:24	05:24 21:33	06:30 20:13	07:33 18:49	24	08:14 (3) 08:38 (3)	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	18	07:39 (3) 08:00 (3)	06:40 20:12	05:22 21:19	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:36 18:46	24	08:14 (3) 08:37 (3)	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:00	07:04 18:06	21	07:38 (3) 08:00 (3)	06:37 20:15	05:20 21:21	04:27 22:17	04:32 21:28	05:28 20:07	06:34 18:43	07:38 18:43	23	08:15 (3) 08:36 (3)	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	22	07:37 (3) 08:00 (3)	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40	21	08:15 (3) 08:35 (3)	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	23	07:37 (3) 08:01 (3)	06:32 20:19	05:15 21:25	04:35 22:19	05:32 21:23	06:38 20:01		07:42 18:38	20	08:16 (3) 08:33 (3)	07:52 16:20	08:52 15:37
10	09:01 15:59	08:08 17:08	06:55 18:13	24	07:36 (3) 08:01 (3)	06:29 20:21	05:13 21:27	04:36 22:21	05:34 21:21	06:40 19:59		07:44 18:35	17	08:18 (3) 08:30 (3)	07:55 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	25	07:36 (3) 08:00 (3)	06:26 20:23	05:11 21:29	04:38 22:22	05:36 21:19	06:42 19:56		07:46 18:32	12	08:22 (3) 08:26 (3)	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	24	07:36 (3) 08:00 (3)	06:24 20:26	05:08 21:31	04:39 22:22	05:38 21:16	06:44 19:53		07:49 18:29	4		07:59 16:14	08:56 15:36
13	08:58 16:05	08:01 17:15	06:47 18:19	24	07:36 (3) 07:59 (3)	06:21 20:28	05:06 21:34	04:41 22:23	05:41 22:15	06:47 19:50		07:51 18:27			08:01 16:12	08:58 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	23	07:37 (3) 07:59 (3)	06:18 20:30	05:04 21:36	04:42 22:24	05:43 21:11	06:49 19:47		07:53 18:24			08:04 16:10	08:59 15:35
15	08:56 16:09	07:56 17:19	06:42 18:24	22	07:37 (3) 07:57 (3)	06:15 20:32	05:02 21:38	04:44 22:25	05:45 21:09	06:51 19:45		07:55 18:21			08:06 16:08	09:00 15:35
16	08:55 16:11	07:53 17:22	06:39 18:26	20	07:38 (3) 07:55 (3)	06:13 20:34	05:00 21:40	04:45 22:25	05:47 21:06	06:53 19:42		07:57 18:19			08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	17	07:40 (3) 07:53 (3)	06:10 20:37	04:58 21:42	04:47 22:26	05:49 21:04	06:55 19:39		08:00 18:16			08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:31	13	07:43 (3) 07:48 (3)	06:07 20:39	04:56 21:44	04:49 22:27	05:51 21:01	06:57 19:36		08:02 18:13			08:13 16:02	09:03 15:35
19	08:50 16:17	07:46 17:29	06:30 18:33	5	06:05 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33		08:04 18:11			08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35		06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:31		08:06 18:08			08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37		06:02 20:46	04:52 21:50	04:21 22:28	04:54 22:03	05:58 20:53	07:03 19:28		08:09 18:06			08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39		05:57 20:48	04:50 21:52	04:21 22:28	04:56 22:01	06:00 20:51	07:06 19:25		08:11 18:03			08:21 15:56	09:05 15:37
23	08:44 16:26	07:36 17:38	06:19 18:42		05:54 20:50	04:47 21:54	04:22 22:28	04:58 22:00	06:02 20:48	07:08 19:22		08:13 18:00			08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44		05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:58	06:04 20:45	07:10 19:19		08:15 17:58			08:25 15:53	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46		05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:43	07:12 19:16		08:18 16:55			08:28 15:51	09:07 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48		05:46 20:57	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 19:14	08:23 (3) 08:34 (3)	07:20 16:53			08:30 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50		05:44 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:11	08:21 (3) 08:37 (3)	07:22 16:50	11	08:37 (3) 08:19 (3)	07:22 16:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53		05:41 21:01	04:39 22:02	04:24 22:28	05:07 21:50	06:13 20:35	07:18 19:08	08:19 (3) 08:38 (3)	07:25 16:48	16	08:37 (3) 08:17 (3)	07:25 16:45	09:07 15:41
29	08:33 16:39		07:02 19:55		05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	08:17 (3) 08:38 (3)	07:27 16:45	19	08:17 (3) 08:39 (3)	07:27 16:43	09:07 15:43
30	08:31 16:42		07:00 19:57		05:36 21:05	04:36 22:06	04:25 22:27	05:11 21:46	06:17 20:29	07:23 19:02	08:16 (3) 08:39 (3)	07:29 16:43	21			09:07 15:44
31	08:29 16:44		06:57 19:59			04:34 22:07		05:13 21:44	06:19 20:26			07:32 16:41	23			09:07 15:44
Potential sun hours	227	262	365		429	515	539	538	474	386		321		241		207
Total, worst case				304								218				
Sun reduction				0,37						0,43		0,31				
Oper. time red.				0,93						0,93		0,93				
Wind dir. red.				0,94						0,94		0,94				
Total reduction				0,32						0,37		0,27				
Total, real				97						34		58				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: R - Duneni

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:03	05:32 21:10	04:32 22:10	04:27 22:25	05:18 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:49	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:32	06:30 20:12	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:47 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:53 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:17	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:25	05:09 21:31	04:23 22:22	04:39 22:16	05:39 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	04:41 22:15	05:41 21:13	06:47 19:50	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:56 16:09	07:56 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:24	04:44 22:12	05:45 21:08	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:46 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	04:22 22:26	04:47 22:09	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:01 15:35
18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:03	09:02 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:51 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:04 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:51	04:22 22:27	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:57	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:40 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:44 21:57	04:23 22:28	05:02 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:56	04:42 21:59	04:23 22:28	05:04 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:00	04:24 22:27	05:05 21:52	06:11 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:36 21:05	04:36 22:05	04:26 22:26	05:11 21:46	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:43	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	228	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: S - Eglites

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December		
1	09:06 15:46	08:27 16:46	07:19 17:52	06:54 20:01	05:34 21:07	04:33 22:08	04:26 22:26	21:28 (8) 21:41	05:15 20:23	06:21 20:23	07:24 18:59	07:33 16:38	08:39 15:43	
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:09	04:32 22:10	04:27 22:25	21:29 (8) 21:43 (8)	05:17 21:39	06:23 20:20	07:26 18:56	07:36 16:36	08:40 15:42	
3	09:05 15:48	08:23 16:51	07:14 17:56	06:48 20:05	05:29 21:12	04:30 22:11	04:28 22:25	21:30 (8) 21:42 (8)	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:42 15:41	
4	09:05 15:50	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	04:29 22:13	04:29 22:24	21:31 (8) 21:42 (8)	05:21 21:34	06:27 20:15	07:31 18:51	07:40 16:31	08:44 15:40	
5	09:04 15:51	08:18 16:55	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:14	04:30 22:23	21:32 (8) 21:41 (8)	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39	
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:27 22:15	21:28 (8) 21:33 (8)	04:31 22:22	21:33 (8) 21:40 (8)	05:25 21:30	06:31 20:09	07:35 18:45	08:47 16:26	15:39
7	09:03 15:54	08:14 17:00	07:03 18:05	06:37 20:14	05:19 21:20	04:26 22:17	21:26 (8) 21:34 (8)	04:32 22:21	05:28 21:28	06:34 20:07	07:37 18:43	07:47 16:24	08:49 15:38	
8	09:02 15:56	08:12 17:03	07:00 18:08	06:34 20:16	05:17 21:22	04:26 22:18	21:26 (8) 21:36 (8)	04:33 22:20	05:30 21:25	06:36 20:04	07:39 18:40	07:49 16:22	08:50 15:37	
9	09:02 15:57	08:09 17:05	06:58 18:10	06:31 20:19	05:15 21:25	04:25 22:19	21:25 (8) 21:37 (8)	04:35 22:19	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37	
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:20	21:25 (8) 21:38 (8)	04:36 22:18	05:34 21:20	06:40 19:58	07:44 18:34	07:54 16:18	08:53 15:36	
11	09:00 16:01	08:05 17:10	06:52 18:14	06:26 20:23	05:10 21:29	04:23 22:21	21:24 (8) 21:38 (8)	04:37 22:17	05:36 21:18	06:42 19:55	07:46 18:32	07:56 16:16	08:55 15:36	
12	08:59 16:03	08:02 17:12	06:49 18:17	06:23 20:25	05:08 21:31	04:23 22:22	21:24 (8) 21:40 (8)	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36	
13	08:58 16:05	08:00 17:14	06:47 18:19	06:21 20:27	05:06 21:33	04:22 22:23	21:23 (8) 21:40 (8)	04:40 22:15	05:40 21:13	06:46 19:50	07:50 18:26	08:01 16:12	08:57 15:35	
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:23	21:23 (8) 21:40 (8)	04:42 22:13	05:42 21:11	06:48 19:47	07:53 18:24	08:03 16:10	08:58 15:35	
15	08:55 16:09	07:55 17:19	06:41 18:23	06:15 20:32	05:02 21:37	04:22 22:24	21:23 (8) 21:41 (8)	04:44 22:12	05:45 21:08	06:50 19:44	07:55 18:21	08:05 16:08	08:59 15:35	
16	08:54 16:11	07:53 17:21	06:38 18:26	06:12 20:34	05:00 21:39	04:21 22:25	21:23 (8) 21:42 (8)	04:45 22:11	05:47 21:06	06:52 19:41	07:57 18:18	08:08 16:06	09:00 15:35	
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20	08:48 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:47	04:21 22:27	21:24 (8) 21:43 (8)	04:52 22:04	05:55 20:55	07:01 19:30	08:06 18:08	08:16 15:59	09:04 15:36	
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31	08:29 16:44		06:56 19:59		04:34 22:07			05:13 21:43	06:19 20:26		07:31 16:40		09:06 15:44	
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207		
Total, worst case						406	68							
Sun reduction						0,53	0,57							
Oper. time red.						0,93	0,93							
Wind dir. red.						0,74	0,74							
Total reduction						0,37	0,39							
Total, real						148	26							

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: T - Einbluti
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:19 17:52	06:54 20:01	05:34 21:07	04:33 22:08	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:33 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:09	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:56	06:48 20:05	05:29 21:12	04:31 22:11	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:42 15:41
4	09:05 15:50	08:21 16:53	07:11 17:59	06:45 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:40 16:31	08:44 15:40
5	09:05 15:51	08:18 16:55	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:14	04:30 22:23	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:27 22:15	04:31 22:22	05:26 21:30	06:32 20:09	07:35 18:46	07:45 16:27	08:47 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:19 21:20	04:27 22:17	04:32 22:21	05:28 21:28	06:34 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:02 15:56	08:12 17:03	07:01 18:08	06:34 20:16	05:17 21:22	04:26 22:18	04:34 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:50 15:37
9	09:02 15:58	08:09 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:18	05:34 21:21	06:40 19:58	07:44 18:35	07:54 16:18	08:53 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:24 22:21	04:38 22:17	05:36 21:18	06:42 19:56	07:46 18:32	07:56 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:14	06:47 18:19	06:21 20:27	05:06 21:33	04:23 22:23	04:41 22:15	05:40 21:13	06:46 19:50	07:50 18:26	08:01 16:12	08:57 15:35
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:13	05:43 21:11	06:48 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:55 16:09	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:24	04:44 22:12	05:45 21:08	06:50 19:44	07:55 18:21	08:05 16:08	08:59 15:35
16	08:54 16:11	07:53 17:22	06:38 18:26	06:13 20:34	05:00 21:39	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:41	07:57 18:18	08:08 16:06	09:00 15:35
17	08:53 16:13	07:50 17:24	06:36 18:28	06:10 20:36	04:58 21:41	04:21 22:26	04:47 22:09	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:01 15:35
18	08:51 16:15	07:48 17:26	06:33 18:30	06:07 20:38	04:56 21:43	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:45 17:29	06:30 18:32	06:05 20:41	04:54 21:45	04:21 22:26	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:14 16:01	09:03 15:36
20	08:48 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:47	04:21 22:27	04:52 22:04	05:55 20:55	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:04 15:36
22	08:45 16:23	07:38 17:36	06:22 18:39	05:57 20:47	04:48 21:51	04:21 22:27	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:27	04:58 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:05 15:37
24	08:42 16:28	07:33 17:40	06:16 18:43	05:51 20:52	04:45 21:55	04:22 22:27	04:59 21:57	06:04 20:45	07:09 19:19	08:15 17:58	08:25 15:52	09:06 15:38
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:27	05:01 21:55	06:06 20:42	07:12 19:16	07:17 16:55	08:27 15:51	09:06 15:38
26	08:38 16:32	07:27 17:45	06:11 18:48	05:46 20:56	04:42 21:59	04:23 22:27	05:03 21:53	06:08 20:40	07:14 19:13	07:20 16:53	08:29 15:50	09:06 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:58	04:40 22:00	04:23 22:27	05:05 21:51	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:49	06:12 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:54	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:47	06:15 20:31	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:41		06:59 19:57	05:36 21:05	04:36 22:05	04:25 22:26	05:11 21:45	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:34 22:07		05:13 21:43	06:19 20:26		07:31 16:40		09:06 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: U - Ilgupils
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06	08:27	07:19	06:54	05:34	04:33	04:26	05:15	06:21	07:24	07:33	08:39
	15:46	16:46	17:52	20:01	21:07	22:08	22:26	21:41	20:23	18:59	16:38	15:43
2	09:06	08:25	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36	08:41
	15:47	16:48	17:54	20:03	21:09	22:10	22:25	21:39	20:21	18:57	16:36	15:42
3	09:06	08:23	07:14	06:48	05:29	04:31	04:28	05:19	06:25	07:29	07:38	08:42
	15:48	16:51	17:57	20:05	21:12	22:11	22:25	21:37	20:18	18:54	16:33	15:41
4	09:05	08:21	07:11	06:45	05:27	04:30	04:29	05:21	06:27	07:31	07:40	08:44
	15:50	16:53	17:59	20:08	21:14	22:13	22:24	21:35	20:15	18:51	16:31	15:40
5	09:05	08:18	07:09	06:43	05:24	04:28	04:30	05:24	06:29	07:33	07:43	08:46
	15:51	16:56	18:01	20:10	21:16	22:14	22:23	21:32	20:12	18:48	16:29	15:40
6	09:04	08:16	07:06	06:40	05:22	04:28	04:31	05:26	06:32	07:35	07:45	08:47
	15:53	16:58	18:03	20:12	21:18	22:15	22:22	21:30	20:09	18:46	16:27	15:39
7	09:03	08:14	07:03	06:37	05:19	04:27	04:32	05:28	06:34	07:37	07:47	08:49
	15:54	17:00	18:06	20:14	21:20	22:17	22:22	21:28	20:07	18:43	16:24	15:38
8	09:03	08:12	07:01	06:34	05:17	04:26	04:34	05:30	06:36	07:40	07:50	08:50
	15:56	17:03	18:08	20:16	21:23	22:18	22:21	21:25	20:04	18:40	16:22	15:38
9	09:02	08:10	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52	08:52
	15:58	17:05	18:10	20:19	21:25	22:19	22:20	21:23	20:01	18:37	16:20	15:37
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	16:01	17:10	18:15	20:23	21:29	22:21	22:17	21:18	19:56	18:32	16:16	15:36
12	08:59	08:03	06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:48	07:59	08:56
	16:03	17:12	18:17	20:25	21:31	22:22	22:16	21:16	19:53	18:29	16:14	15:36
13	08:58	08:00	06:47	06:21	05:06	04:23	04:41	05:40	06:46	07:51	08:01	08:57
	16:05	17:15	18:19	20:27	21:33	22:23	22:15	21:13	19:50	18:26	16:12	15:35
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	16:07	17:17	18:21	20:30	21:35	22:24	22:13	21:11	19:47	18:24	16:10	15:35
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	16:09	17:19	18:24	20:32	21:37	22:24	22:12	21:08	19:44	18:21	16:08	15:35
16	08:54	07:53	06:38	06:13	05:00	04:21	04:45	05:47	06:53	07:57	08:08	09:00
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17	08:53	07:50	06:36	06:10	04:58	04:21	04:47	05:49	06:55	07:59	08:10	09:01
	16:13	17:24	18:28	20:36	21:41	22:26	22:09	21:03	19:39	18:16	16:04	15:35
18	08:51	07:48	06:33	06:07	04:56	04:21	04:49	05:51	06:57	08:02	08:12	09:02
	16:15	17:26	18:30	20:39	21:43	22:26	22:08	21:01	19:36	18:13	16:02	15:35
19	08:50	07:45	06:30	06:05	04:54	04:21	04:50	05:53	06:59	08:04	08:14	09:03
	16:17	17:29	18:32	20:41	21:45	22:26	22:06	20:58	19:33	18:11	16:01	15:36
20	08:49	07:43	06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:17	09:04
	16:19	17:31	18:35	20:43	21:47	22:27	22:04	20:55	19:30	18:08	15:59	15:36
21	08:47	07:40	06:25	05:59	04:50	04:21	04:54	05:57	07:03	08:08	08:19	09:04
	16:21	17:33	18:37	20:45	21:49	22:27	22:03	20:53	19:27	18:05	15:57	15:36
22	08:45	07:38	06:22	05:57	04:48	04:21	04:56	06:00	07:05	08:11	08:21	09:05
	16:23	17:36	18:39	20:47	21:51	22:27	22:01	20:50	19:25	18:03	15:56	15:37
23	08:44	07:35	06:19	05:54	04:47	04:22	04:58	06:02	07:07	08:13	08:23	09:05
	16:26	17:38	18:41	20:50	21:53	22:27	21:59	20:48	19:22	18:00	15:54	15:37
24	08:42	07:33	06:16	05:51	04:45	04:22	04:59	06:04	07:10	08:15	08:25	09:06
	16:28	17:40	18:43	20:52	21:55	22:28	21:57	20:45	19:19	17:58	15:52	15:38
25	08:40	07:30	06:13	05:49	04:43	04:22	05:01	06:06	07:12	08:17	08:27	09:06
	16:30	17:43	18:46	20:54	21:57	22:28	21:55	20:42	19:16	16:55	15:51	15:38
26	08:38	07:27	06:11	05:46	04:42	04:23	05:03	06:08	07:14	08:20	08:29	09:06
	16:32	17:45	18:48	20:56	21:59	22:27	21:53	20:40	19:13	16:53	15:50	15:39
27	08:37	07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	08:22	08:31	09:07
	16:35	17:47	18:50	20:58	22:00	22:27	21:52	20:37	19:11	16:50	15:48	15:40
28	08:35	07:22	06:05	05:41	04:39	04:24	05:07	06:12	07:18	08:24	08:33	09:07
	16:37	17:50	18:52	21:01	22:02	22:27	21:50	20:34	19:08	16:48	15:47	15:41
29	08:33		07:02	05:39	04:37	04:25	05:09	06:15	07:20	08:27	08:35	09:07
	16:39		19:54	21:03	22:04	22:27	21:47	20:31	19:05	16:45	15:46	15:42
30	08:31		06:59	05:36	04:36	04:25	05:11	06:17	07:22	08:29	08:37	09:07
	16:41		19:57	21:05	22:05	22:26	21:45	20:29	19:02	16:43	15:45	15:43
31	08:29		06:57		04:34		05:13	06:19		07:31		09:06
	16:44		19:59		22:07		21:43	20:26		16:40		15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: V - Indrani
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:03	05:32 21:10	04:32 22:10	04:27 22:26	05:18 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:49	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:33	06:30 20:13	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:00	07:04 18:06	06:37 20:14	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	05:09 21:31	04:23 22:22	04:39 22:16	05:39 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	04:41 22:15	05:41 21:13	06:47 19:50	07:51 18:27	08:01 16:12	08:57 15:36
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15	08:56 16:09	07:56 17:19	06:41 18:24	06:15 20:32	05:02 21:38	04:22 22:25	04:44 22:12	05:45 21:08	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
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25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:43 21:57	04:23 22:28	05:02 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:56	04:42 21:59	04:23 22:28	05:04 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
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28	08:35 16:37	07:22 17:50	06:05 18:53	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:25 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:36 21:05	04:36 22:06	04:26 22:27	05:11 21:46	06:17 20:29	07:23 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:44	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: W - Jaunauzinas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:16 21:41	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	05:32 21:10	04:32 22:10	04:27 22:26	05:18 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:49	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:33	06:30 20:13	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:04 15:55	08:14 17:01	07:04 18:06	06:37 20:15	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	05:09 21:31	04:23 22:22	04:39 22:16	05:39 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	04:41 22:15	05:41 21:13	06:47 19:50	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:04 16:10	08:59 15:36
15	08:56 16:09	07:56 17:20	06:41 18:24	06:16 20:32	05:02 21:38	04:22 22:25	04:44 22:12	05:45 21:08	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:46 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	04:22 22:26	04:47 22:09	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:03	09:02 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:51 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:31	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	06:00 20:45	04:50 21:50	04:21 22:27	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:05 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:51	04:22 22:28	04:56 22:01	06:00 20:50	07:06 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:42	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:44 21:57	04:23 22:28	05:02 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:56	04:42 21:59	04:23 22:28	05:04 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:01	04:24 22:27	05:05 21:52	06:11 20:37	07:16 19:11	07:22 16:50	08:31 15:49	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	05:42 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:25 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:46	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:37 21:05	04:36 22:06	04:26 22:27	05:11 21:46	06:17 20:29	07:23 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:44	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: X - Jaunjeceni
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December										
1 09:07	10:09 (4) 08:27	09:21 (1) 07:20	06:54 05:34	04:33 04:26	05:15 06:21	07:25 07:34	08:57 (1) 08:39	09:53 (4) 15:46	52	12:38 (3) 16:46	29	09:50 (1) 17:52	20:01 21:08	22:09	22:26	21:42 20:24	19:00	16:38	18	09:15 (1) 15:43	47	12:19 (3) 15:46
2 09:06	10:09 (4) 08:25	09:21 (1) 07:17	06:51 05:31	04:32 04:27	05:17 06:23	07:27 07:36	08:55 (1) 08:41	09:53 (4) 15:47	52	12:38 (3) 16:48	29	09:50 (1) 17:54	20:03 21:10	22:10	22:26	21:39 20:21	18:57	16:36	21	09:16 (1) 15:42	50	12:21 (3) 15:47
3 09:06	10:09 (4) 08:23	09:21 (1) 07:14	06:48 05:29	04:31 04:28	05:19 06:25	07:29 07:38	08:54 (1) 08:43	09:54 (4) 15:48	52	12:38 (3) 16:51	29	09:50 (1) 17:57	20:06 21:12	22:12	22:25	21:37 20:18	18:54	16:33	24	09:18 (1) 15:41	50	12:22 (3) 15:48
4 09:06	10:09 (4) 08:21	09:22 (1) 07:12	06:46 05:27	04:29 04:29	05:21 06:27	07:31 07:41	08:53 (1) 08:44	09:54 (4) 15:50	52	12:38 (3) 16:53	28	09:50 (1) 17:59	20:08 21:14	22:13	22:24	21:35 20:15	18:51	16:31	25	09:18 (1) 15:40	51	12:23 (3) 15:50
5 09:05	10:10 (4) 08:19	09:22 (1) 07:09	06:43 05:24	04:28 04:30	05:24 06:30	07:33 07:43	08:53 (1) 08:46	09:55 (4) 15:51	52	12:39 (3) 16:56	28	09:50 (1) 18:01	20:10 21:16	22:15	22:24	21:33 20:13	18:48	16:29	26	09:19 (1) 15:40	51	12:24 (3) 15:51
6 09:04	10:10 (4) 08:17	09:23 (1) 07:06	06:40 05:22	04:27 04:31	05:26 06:32	07:35 07:45	08:52 (1) 08:48	09:56 (4) 15:53	52	12:39 (3) 16:58	27	09:50 (1) 18:03	20:12 21:19	22:16	22:23	21:30 20:10	18:46	16:27	27	09:19 (1) 15:39	52	12:25 (3) 15:53
7 09:04	10:10 (4) 08:14	09:23 (1) 07:03	06:37 05:19	04:26 04:32	05:28 06:34	07:38 07:48	08:52 (1) 08:49	09:56 (4) 15:54	51	12:39 (3) 17:00	25	09:48 (1) 18:06	20:14 21:21	22:17	22:22	21:28 20:07	18:43	16:24	28	09:20 (1) 15:38	52	12:25 (3) 15:54
8 09:03	10:09 (4) 08:12	09:25 (1) 07:01	06:34 05:17	04:26 04:33	05:30 06:36	07:40 07:50	08:52 (1) 08:51	09:57 (4) 15:56	51	12:38 (3) 17:03	23	09:48 (1) 18:08	20:17 21:23	22:18	22:21	21:26 20:04	18:40	16:22	29	09:21 (1) 15:37	52	12:26 (3) 15:56
9 09:02	10:09 (4) 08:10	09:26 (1) 06:58	06:32 05:15	04:25 04:35	05:32 06:38	07:42 07:52	08:52 (1) 08:52	09:58 (4) 15:58	51	12:38 (3) 17:05	21	09:47 (1) 18:10	20:19 21:25	22:19	22:20	21:23 20:01	18:37	16:20	29	09:21 (1) 15:37	52	12:27 (3) 15:58
10 09:01	10:10 (4) 08:08	09:28 (1) 06:55	06:29 05:13	04:24 04:36	05:34 06:40	07:44 07:55	08:52 (1) 08:54	09:58 (4) 15:59	50	12:38 (3) 17:07	18	09:46 (1) 18:13	20:21 21:27	22:21	22:19	21:21 20:01	18:35	16:18	29	09:21 (1) 15:36	52	12:27 (3) 15:59
11 09:00	10:10 (4) 08:05	09:29 (1) 06:53	06:26 05:10	04:23 04:37	05:36 06:42	07:46 07:57	08:52 (1) 08:55	09:59 (4) 16:01	48	12:37 (3) 17:10	14	09:43 (1) 18:15	20:23 21:29	22:22	22:18	21:18 20:01	18:32	16:16	40	10:07 (4) 15:36	52	12:28 (3) 16:01
12 08:59	10:10 (4) 08:03	09:33 (1) 06:50	06:23 05:08	04:23 04:39	05:38 06:44	07:49 07:59	08:52 (1) 08:56	10:00 (4) 16:03	46	12:36 (3) 17:12	7	09:40 (1) 18:17	20:26 21:31	22:22	22:17	21:16 20:01	18:29	16:14	45	10:10 (4) 15:36	52	12:29 (3) 16:03
13 08:58	10:11 (4) 08:00	09:34 (1) 06:47	06:21 05:06	04:22 04:40	05:40 06:46	07:51 08:01	08:52 (1) 08:58	10:00 (4) 16:05	43	12:35 (3) 17:15		18:19 20:28	21:34 22:23	22:15	21:14 20:01	18:27	16:12	47	10:11 (4) 15:35	52	12:29 (3) 16:05	
14 08:57	10:10 (4) 07:58	09:35 (1) 06:44	06:18 05:04	04:22 04:42	05:43 06:49	07:53 08:04	08:53 (1) 08:59	10:01 (4) 16:07	40	12:33 (3) 17:17		18:21 20:30	21:36 22:24	22:14	21:11 20:01	18:24	16:10	50	10:13 (4) 15:35	52	12:30 (3) 16:07	
15 08:56	10:11 (4) 07:56	09:36 (1) 06:41	06:15 05:02	04:22 04:44	05:45 06:51	07:55 08:06	08:54 (1) 09:00	10:02 (4) 16:09	31	10:42 (4) 17:19		18:24 20:32	21:38 22:25	22:13	21:09 20:01	18:21	16:08	51	10:15 (4) 15:35	52	12:31 (3) 16:09	
16 08:55	10:11 (4) 07:53	09:37 (1) 06:39	06:13 05:00	04:21 04:45	05:47 06:53	07:57 08:08	08:54 (1) 09:01	10:03 (4) 16:11	31	10:42 (4) 17:22		18:26 20:34	21:40 22:25	22:11	21:06 20:01	18:19	16:06	51	10:15 (4) 15:35	50	12:31 (3) 16:11	
17 08:53	10:11 (4) 07:51	09:38 (1) 06:36	06:10 04:58	04:21 04:47	05:49 06:55	08:00 08:10	08:56 (1) 09:02	10:03 (4) 16:13	31	10:42 (4) 17:24		18:28 20:37	21:42 22:26	22:10	21:03 20:01	18:16	16:04	50	10:16 (4) 15:35	51	12:32 (3) 16:13	
18 08:52	10:12 (4) 07:48	09:39 (1) 06:33	06:07 04:56	04:21 04:49	05:51 06:57	08:02 08:13	08:56 (1) 09:03	10:04 (4) 16:15	31	10:43 (4) 17:26		18:30 20:39	21:44 22:27	22:08	21:01 20:01	18:13	16:02	51	10:17 (4) 15:35	51	12:32 (3) 16:15	
19 08:50	10:13 (4) 07:46	09:40 (1) 06:30	06:05 04:54	04:21 04:50	05:53 06:59	08:04 08:15	08:58 (1) 09:03	10:04 (4) 16:17	39	10:43 (4) 17:29		18:33 20:41	21:46 22:27	22:06	20:58 20:01	18:11	16:01	50	10:18 (4) 15:35	50	12:32 (3) 16:17	
20 08:49	10:14 (4) 07:43	09:41 (1) 06:27	06:02 04:52	04:21 04:52	05:55 07:01	08:06 08:17	08:59 (1) 09:04	10:05 (4) 16:19	43	10:43 (4) 17:31		18:35 20:43	21:48 22:27	22:05	20:56 20:01	18:08	15:59	49	10:18 (4) 15:36	50	12:33 (3) 16:19	
21 08:47	10:14 (4) 07:41	09:42 (1) 06:25	05:59 04:50	04:21 04:54	05:58 07:03	08:09 08:19	09:00 (1) 09:05	10:06 (4) 16:21	47	10:43 (4) 17:33		18:37 20:45	21:50 22:28	22:03	20:53 20:01	18:05	15:57	47	10:19 (4) 15:36	50	12:34 (3) 16:21	
22 08:46	10:15 (4) 07:38	09:43 (1) 06:22	05:57 04:48	04:21 04:56	06:00 07:05	08:11 08:21	09:02 (1) 09:05	10:06 (4) 16:23	49	10:43 (4) 17:36		18:39 20:48	21:52 22:28	22:01	20:50 20:01	18:03	15:56	43	10:19 (4) 15:37	50	12:34 (3) 16:23	
23 08:44	10:15 (4) 07:35	09:44 (1) 06:19	05:54 04:47	04:21 04:58	06:02 07:08	08:13 08:23	09:05 (1) 09:06	10:07 (4) 16:25	50	10:43 (4) 17:38		18:41 20:50	21:53 22:28	22:00	20:48 20:01	18:00	15:54	39	10:20 (4) 15:37	50	12:35 (3) 16:25	
24 08:42	10:16 (4) 07:33	09:45 (1) 06:16	05:51 04:45	04:22 04:59	06:04 07:10	08:15 08:25	09:06 (1) 09:06	10:07 (4) 16:28	51	10:43 (4) 17:40		18:44 20:52	21:55 22:28	21:58	20:45 20:01	17:58	15:52	31	10:20 (4) 15:38	50	12:35 (3) 16:28	
25 08:41	10:16 (4) 07:30	09:46 (1) 06:13	05:49 04:43	04:22 05:01	06:06 07:12	08:18 08:27	09:07 (1) 09:07	10:07 (4) 16:30	50	10:42 (4) 17:43		18:46 20:54	21:57 22:28	21:56	20:43 20:01	17:55	15:51	31	10:20 (4) 15:38	50	12:35 (3) 16:30	
26 08:39	10:17 (4) 07:28	09:47 (1) 06:11	05:46 04:42	04:23 05:03	06:08 07:14	08:20 08:30	09:10 (1) 09:07	10:07 (4) 16:32	51	10:42 (4) 17:45		18:48 20:57	21:59 22:28	21:54	20:40 20:01	17:53	15:50	31	10:21 (4) 15:39	50	12:35 (3) 16:32	
27 08:37	10:17 (4) 07:25	09:48 (1) 06:08	05:44 04:40	04:23 05:05	06:10 07:16	08:22 08:32	09:11 (1) 09:07	10:07 (4) 16:34	51	10:42 (4) 17:47		18:50 20:59	22:01 22:28	21:52	20:37 20:01	17:50	15:48	31	10:21 (4) 15:40	52	12:36 (3) 16:34	
28 08:35	10:18 (4) 07:22	09:49 (1) 06:05	05:41 04:38	04:24 05:07	06:12 07:18	08:25 08:33	09:14 (1) 09:07	10:08 (4) 16:37	49	10:41 (4) 17:50		18:52 21:01	22:02 22:27	21:50	20:34 20:01	17:48	15:47	39	12:13 (3) 15:41	50	12:36 (3) 16:37	
29 08:33	10:19 (4) 07:19	09:50 (1) 06:02	05:39 04:37	04:24 05:09	06:15 07:20	08:27 08:35	09:16 (1) 09:07	10:08 (4) 16:39	48	10:39 (4) 17:51		18:55 21:03	22:04 22:27	21:48	20:32 20:01	17:45	15:46	43	12:15 (3) 15:42	51	12:37 (3) 16:39	
30 08:31	10:20 (4) 07:17	09:51 (1) 06:00	05:36 04:36	04:25 05:11	06:17 07:22	08:29 08:37	09:18 (1) 09:07	10:09 (4) 16:41	44	10:38 (4) 17:53		18:57 21:05	22:06 22:27	21:46	20:29 20:01	17:43	15:44	46	12:18 (3) 15:43	51	12:38 (3) 16:41	
31 08:29	10:21 (4) 07:14	09:52 (1) 06:00	05:37 04:37	04:26 05:12	06:18 07:23	08:30 08:38	09:19 (1) 09:07	10:09 (4) 16:44	40	10:36 (4) 17:55		18:59 21:07	22:07 22:27	21:47	20:26 20:01	17:40	15:43	15	09:13 (1) 15:44	51	12:37 (3) 16:44	
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207	1576									
Total, worst case	1428	278								23	1121		0,13									
Sun reduction	0,13	0,22								0,31	0,15		0,13									
Oper. time red.	0,93	0,93								0,93	0,93		0,93									
Wind dir. red.	0,40	0,65								0,65	0,54		0,22									
Total reduction	0,05	0,13								0,19	0,08		0,03									
Total, real	70	37								4	86		42									

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: Y - Jaunkastanas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January			February			March			April			May			June		
1	09:07			08:27	09:35 (2)	07:20			06:54			05:34		06:03 (1)	04:33			
	15:46			16:46	32 10:07 (2)	17:52			20:01			21:08	57 07:21 (3)	22:09				
2	09:06			08:25	09:34 (2)	07:17			06:51			05:31		06:01 (1)	04:32			
	15:47			16:49	32 10:06 (2)	17:54			20:04			21:10	61 07:22 (3)	22:10				
3	09:06			08:23	09:35 (2)	07:14			06:48			05:29		05:59 (1)	04:31			
	15:48			16:51	32 10:07 (2)	17:57			20:06			21:12	62 07:21 (3)	22:12				
4	09:05			08:21	09:36 (2)	07:12			06:46			05:27		05:59 (1)	04:30			
	15:50			16:53	31 10:07 (2)	17:59			20:08			21:14	62 07:21 (3)	22:13				
5	09:05			08:19	09:36 (2)	07:09			06:43			05:24		05:59 (1)	04:29			
	15:51			16:56	30 10:06 (2)	18:01			20:10			21:16	62 07:21 (3)	22:15				
6	09:04			08:17	09:37 (2)	07:06			06:40			05:22		06:00 (1)	04:28			
	15:53			16:58	29 10:06 (2)	18:04			20:12			21:19	61 07:21 (3)	22:16				
7	09:04			08:14	09:37 (2)	07:04			06:37			05:20		06:00 (1)	04:27			
	15:54			17:00	28 10:05 (2)	18:06			20:15			21:21	60 07:21 (3)	22:17				
8	09:03			08:12	09:38 (2)	07:01			06:35			05:17		06:01 (1)	04:26			
	15:56			17:03	27 10:05 (2)	18:08			20:17			21:23	58 07:21 (3)	22:18				
9	09:02			08:10	09:38 (2)	06:58			06:32			05:15		06:02 (1)	04:25			
	15:58			17:05	26 10:04 (2)	18:10			20:19			21:25	56 07:21 (3)	22:19				
10	09:01			08:08	09:40 (2)	06:55			06:29			05:13		06:03 (1)	04:24			
	15:59			17:08	23 10:03 (2)	18:13			20:21			21:27	52 07:20 (3)	22:20				
11	09:00			08:05	09:41 (2)	06:53			06:26			05:11		06:06 (1)	04:24			
	16:01			17:10	20 10:01 (2)	18:15			20:23			21:29	46 07:20 (3)	22:21				
12	08:59			08:03	09:44 (2)	06:50		07:20 (5)	06:24			05:08		06:38 (3)	04:23			
	16:03			17:12	16 10:00 (2)	18:17	8	07:28 (5)	20:26			21:31	41 07:19 (3)	22:22				
13	08:58			08:00	09:46 (2)	06:47			06:21			05:06		06:38 (3)	04:23			
	16:05			17:15	10 09:56 (2)	18:19	14	07:31 (5)	20:28			21:34	41 07:19 (3)	22:23				
14	08:57			07:58		06:44		07:15 (5)	06:18		06:49 (4)	05:04		06:39 (3)	04:22			
	16:07			17:17		18:22	18	07:33 (5)	20:30	11	07:00 (4)	21:36	39 07:18 (3)	22:24				
15	08:56			07:56		06:41		07:13 (5)	06:15		06:46 (4)	05:02		06:39 (3)	04:22			
	16:09			17:19		18:24	21	07:34 (5)	20:32	16	07:02 (4)	21:38	38 07:17 (3)	22:25				
16	08:55			07:53		06:39		07:12 (5)	06:13		06:44 (4)	05:00		06:40 (3)	04:22			
	16:11			17:22		18:26	22	07:34 (5)	20:34	19	07:03 (4)	21:40	36 07:16 (3)	22:25				
17	08:53			07:51		06:36		07:11 (5)	06:10		06:43 (4)	04:58		06:40 (3)	04:21			
	16:13			17:24		18:28	24	07:35 (5)	20:37	21	07:04 (4)	21:42	35 07:15 (3)	22:26				
18	08:52	09:42 (2)	07:48		06:33			07:10 (5)	06:07		06:41 (4)	04:56		06:41 (3)	04:21			
	16:15	10 09:52 (2)	17:26		18:30	25 07:35 (5)	20:39	23 07:04 (4)	21:44	34 07:15 (3)	22:26							
19	08:50	09:40 (2)	07:46		06:30			07:09 (5)	06:05		06:41 (4)	04:54		06:42 (3)	04:21			
	16:17	15 09:55 (2)	17:29		18:33	25 07:34 (5)	20:41	28 07:09 (3)	21:46	32 07:14 (3)	22:27							
20	08:49	09:39 (2)	07:43		06:28			07:10 (5)	06:02		06:40 (4)	04:52		06:42 (3)	04:21			
	16:19	17 09:56 (2)	17:31		18:35	25 07:35 (5)	20:43	31 07:11 (3)	21:48	31 07:13 (3)	22:27							
21	08:47	09:38 (2)	07:41		06:25			07:10 (5)	05:59		06:40 (4)	04:50		06:44 (3)	04:21			
	16:21	20 09:58 (2)	17:34		18:37	24 07:34 (5)	20:45	34 07:14 (3)	21:50	29 07:13 (3)	22:28							
22	08:46	09:37 (2)	07:38		06:22			07:10 (5)	05:57		06:39 (4)	04:48		06:45 (3)	04:21			
	16:23	22 09:59 (2)	17:36		18:39	23 07:33 (5)	20:48	36 07:15 (3)	21:52	26 07:11 (3)	22:28							
23	08:44	09:36 (2)	07:35		06:19			07:10 (5)	05:54		06:39 (4)	04:47		06:46 (3)	04:22			
	16:26	24 10:00 (2)	17:38		18:42	22 07:32 (5)	20:50	38 07:17 (3)	21:53	24 07:10 (3)	22:28							
24	08:42	09:36 (2)	07:33		06:16			07:10 (5)	05:52		06:39 (4)	04:45		06:47 (3)	04:22			
	16:28	26 10:02 (2)	17:41		18:44	20 07:30 (5)	20:52	38 07:17 (3)	21:55	22 07:09 (3)	22:28							
25	08:41	09:35 (2)	07:30		06:14			07:11 (5)	05:49		06:40 (4)	04:43		06:49 (3)	04:22			
	16:30	28 10:03 (2)	17:43		18:46	18 07:29 (5)	20:54	39 07:19 (3)	21:57	19 07:08 (3)	22:28							
26	08:39	09:35 (2)	07:28		06:11			07:14 (5)	05:46		06:40 (4)	04:42		06:51 (3)	04:23			
	16:32	29 10:04 (2)	17:45		18:48	13 07:27 (5)	20:57	40 07:20 (3)	21:59	15 07:06 (3)	22:28							
27	08:37	09:35 (2)	07:25		06:08			07:16 (5)	05:44		06:12 (1)	04:40		06:53 (3)	04:23			
	16:35	29 10:04 (2)	17:47		18:50	7 07:23 (5)	20:59	41 07:20 (3)	22:01	10 07:03 (3)	22:28							
28	08:35	09:35 (2)	07:22		06:05			05:41			06:10 (1)	04:39			04:24			
	16:37	30 10:05 (2)	17:50		18:53			21:01	45 07:20 (3)	22:02					22:27			
29	08:33	09:34 (2)			07:02			05:39			06:08 (1)	04:37			04:25			
	16:39	31 10:05 (2)			19:55			21:03	50 07:21 (3)	22:04					22:27			
30	08:31	09:34 (2)			07:00			05:36			06:05 (1)	04:36			04:25			
	16:42	32 10:06 (2)			19:57			21:05	55 07:21 (3)	22:06					22:27			
31	08:29	09:35 (2)			06:57						04:34							
	16:44	31 10:06 (2)			19:59						22:07							
Potential sun hours	227			262			365			429			515			539		
Total, worst case		344			336			309			565			1109				
Sun reduction		0,13			0,22			0,37			0,46			0,58				
Oper. time red.		0,93			0,93			0,93			0,93			0,93				
Wind dir. red.		0,61			0,61			0,97			0,98			0,98				
Total reduction		0,07			0,12			0,33			0,42			0,53				
Total, real		25			42			102			238			584				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: Y - Jaunkastanas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	July			August			September			October			November			December	
1	04:26			05:15	06:48 (3)	06:21			07:25	07:58 (5)	07:34	09:09 (2)	08:39				
	22:26			21:42	42 07:30 (3)	20:24			19:00	11 08:09 (5)	16:38	24 09:33 (2)	15:44				
2	04:27			05:17	06:15 (1)	06:23			07:27		07:36	09:08 (2)	08:41				
	22:26			21:39	49 07:30 (3)	20:21			18:57		16:36	26 09:34 (2)	15:42				
3	04:28			05:19	06:13 (1)	06:25			07:29		07:38	09:07 (2)	08:43				
	22:25			21:37	54 07:31 (3)	20:18			18:54		16:34	28 09:35 (2)	15:41				
4	04:29			05:22	06:11 (1)	06:27			07:31		07:41	09:06 (2)	08:44				
	22:24			21:35	56 07:30 (3)	20:15			18:51		16:31	29 09:35 (2)	15:41				
5	04:30			05:24	06:10 (1)	06:30			07:33		07:43	09:06 (2)	08:46				
	22:24			21:33	59 07:30 (3)	20:13			18:49		16:29	30 09:36 (2)	15:40				
6	04:31			05:26	06:09 (1)	06:32			07:35		07:45	09:05 (2)	08:48				
	22:23			21:30	61 07:30 (3)	20:10			18:46		16:27	31 09:36 (2)	15:39				
7	04:32			05:28	06:09 (1)	06:34			07:38		07:48	09:05 (2)	08:49				
	22:22			21:28	61 07:30 (3)	20:07			18:43		16:25	32 09:37 (2)	15:38				
8	04:34			05:30	06:08 (1)	06:36			07:40		07:50	09:06 (2)	08:51				
	22:21			21:26	62 07:30 (3)	20:04			18:40		16:22	32 09:38 (2)	15:38				
9	04:35			05:32	06:08 (1)	06:38			07:42		07:52	09:05 (2)	08:52				
	22:20			21:23	62 07:30 (3)	20:01			18:38		16:20	32 09:37 (2)	15:37				
10	04:36			05:34	06:08 (1)	06:40			07:44		07:54	09:06 (2)	08:54				
	22:19			21:21	62 07:30 (3)	19:59			18:35		16:18	32 09:38 (2)	15:37				
11	04:38			05:36	06:10 (1)	06:42			07:46		07:57	09:05 (2)	08:55				
	22:18			21:18	60 07:30 (3)	19:56			18:32		16:16	32 09:37 (2)	15:36				
12	04:39			05:38	06:12 (1)	06:44			07:49		07:59	09:06 (2)	08:56				
	22:16			21:16	57 07:30 (3)	19:53			18:29		16:14	32 09:38 (2)	15:36				
13	04:41			05:41	06:14 (1)	06:46			07:51		08:01	09:06 (2)	08:58				
	22:15			21:14	53 07:29 (3)	19:50			18:27		16:12	31 09:37 (2)	15:36				
14	04:42			05:43	06:16 (1)	06:49			07:53		08:04	09:07 (2)	08:59				
	22:14			21:11	50 07:29 (3)	19:47			18:24		16:10	30 09:37 (2)	15:35				
15	04:44			05:45	06:18 (1)	06:51			07:55		08:06	09:08 (2)	09:00				
	22:12			21:09	45 07:28 (3)	19:45			18:21		16:08	29 09:37 (2)	15:35				
16	04:45		07:04 (3)	05:47	06:48 (4)	06:53		08:06 (5)	07:57		08:08	09:08 (2)	09:01				
	22:11	7	07:11 (3)	21:06	39 07:27 (3)	19:42		4 08:10 (5)	18:19		16:06	28 09:36 (2)	15:35				
17	04:47		07:01 (3)	05:49	06:47 (4)	06:55		08:03 (5)	08:00		08:10	09:09 (2)	09:02				
	22:10	13	07:14 (3)	21:03	39 07:26 (3)	19:39		12 08:15 (5)	18:16		16:04	28 09:37 (2)	15:35				
18	04:49		07:00 (3)	05:51	06:46 (4)	06:57		08:00 (5)	08:02		08:13	09:10 (2)	09:03				
	22:08	16	07:16 (3)	21:01	39 07:25 (3)	19:36		17 08:17 (5)	18:13		16:02	26 09:36 (2)	15:35				
19	04:50		06:58 (3)	05:53	06:45 (4)	06:59		07:58 (5)	08:04		08:15	09:11 (2)	09:03				
	22:06	20	07:18 (3)	20:58	39 07:24 (3)	19:33		20 08:18 (5)	18:11		16:01	24 09:35 (2)	15:36				
20	04:52		06:57 (3)	05:56	06:45 (4)	07:01		07:57 (5)	08:06		08:17	09:12 (2)	09:04				
	22:05	23	07:20 (3)	20:56	37 07:22 (3)	19:30		21 08:18 (5)	18:08		15:59	22 09:34 (2)	15:36				
21	04:54		06:56 (3)	05:58	06:45 (4)	07:03		07:55 (5)	08:09		08:19	09:14 (2)	09:05				
	22:03	25	07:21 (3)	20:53	35 07:20 (3)	19:28		24 08:19 (5)	18:06		15:57	20 09:34 (2)	15:36				
22	04:56		06:54 (3)	06:00	06:45 (4)	07:05		07:55 (5)	08:11		08:21	09:15 (2)	09:05				
	22:01	28	07:22 (3)	20:50	33 07:18 (3)	19:25		24 08:19 (5)	18:03		15:56	18 09:33 (2)	15:37				
23	04:58		06:54 (3)	06:02	06:45 (4)	07:08		07:54 (5)	08:13		08:23	09:16 (2)	09:06				
	21:59	29	07:23 (3)	20:48	31 07:16 (3)	19:22		24 08:18 (5)	18:00		15:54	15 09:31 (2)	15:37				
24	05:00		06:53 (3)	06:04	06:45 (4)	07:10		07:53 (5)	08:15		08:25	09:19 (2)	09:06				
	21:58	32	07:25 (3)	20:45	27 07:12 (3)	19:19		25 08:18 (5)	17:58		15:53	11 09:30 (2)	15:38				
25	05:01		06:52 (3)	06:06	06:45 (4)	07:12		07:53 (5)	07:18		08:27		09:07				
	21:56	33	07:25 (3)	20:43	23 07:08 (4)	19:16		24 08:17 (5)	16:55		15:51		15:39				
26	05:03		06:51 (3)	06:08	06:46 (4)	07:14		07:53 (5)	07:20		08:29		09:07				
	21:54	35	07:26 (3)	20:40	21 07:07 (4)	19:14		24 08:17 (5)	16:53		15:50		15:39				
27	05:05		06:51 (3)	06:10	06:46 (4)	07:16		07:54 (5)	07:22		08:31		09:07				
	21:52	36	07:27 (3)	20:37	19 07:05 (4)	19:11		23 08:17 (5)	16:50		15:48		15:40				
28	05:07		06:51 (3)	06:13	06:48 (4)	07:18		07:54 (5)	07:25		08:33		09:07				
	21:50	37	07:28 (3)	20:34	15 07:03 (4)	19:08		21 08:15 (5)	16:48		15:47		15:41				
29	05:09		06:49 (3)	06:15	06:50 (4)	07:20		07:55 (5)	07:27		08:35		09:07				
	21:48	39	07:28 (3)	20:32	11 07:01 (4)	19:05		19 08:14 (5)	16:45	12	09:27 (2)	15:46	15:42				
30	05:11		06:49 (3)	06:17		07:23		07:56 (5)	07:29		09:13 (2)	08:37	09:07				
	21:46	40	07:29 (3)	20:29		19:02	16	08:12 (5)	16:43	17	09:30 (2)	15:45	15:43				
31	05:13		06:49 (3)	06:19					07:31		09:10 (2)		09:07				
	21:44	40	07:29 (3)	20:26					16:41	21	09:31 (2)		15:44				
Potential sun hours	538			474		386			321		241		207				
Total, worst case	453			1241		298			61		642						
Sun reduction	0,57			0,55		0,43			0,31		0,15						
Oper. time red.	0,93			0,93		0,93			0,93		0,93						
Wind dir. red.	0,98			0,98		0,97			0,67		0,61						
Total reduction	0,52			0,50		0,39			0,19		0,09						
Total, real	234			615		116			12		56						

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: Z - Jaunspringi
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December		
1	09:06 15:45	08:27 16:46	07:19 17:52	16:24 (13) 16:41 (13)	06:54 20:01	05:33 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:33 16:38	08:39 15:43	
2	09:06 15:46	08:25 16:48	07:17 17:54	16:26 (13) 16:38 (13)	06:51 20:03	05:31 21:09	04:31 22:10	04:26 22:26	05:17 21:39	06:23 20:20	07:26 18:56	07:36 16:35	08:41 15:42	
3	09:06 15:48	08:23 16:50	07:14 17:56	16:31 (13) 16:32 (13)	06:48 20:05	05:29 21:12	04:30 22:12	04:27 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:42 15:41	
4	09:05 15:49	08:21 16:53	07:11 17:59		06:45 20:08	05:26 21:14	04:29 22:13	04:28 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:40 16:31	08:44 15:40	
5	09:05 15:51	08:19 16:55	07:09 18:01		06:42 20:10	05:24 21:16	04:28 22:14	04:29 22:23	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:28	08:46 15:39	
6	09:04 15:52	08:16 16:58	07:06 18:03		06:40 20:12	05:21 21:18	04:27 22:16	04:31 22:23	05:25 21:30	06:31 20:09	07:35 18:45	07:45 16:26	08:48 15:38	
7	09:03 15:54	08:14 17:00	07:03 18:05		06:37 20:14	05:19 21:20	04:26 22:17	04:32 22:22	05:27 21:28	06:33 20:07	07:37 18:43	07:47 16:24	08:49 15:38	
8	09:03 15:55	08:12 17:02	07:00 18:08		06:34 20:16	05:17 21:23	04:25 22:18	04:33 22:21	05:29 21:25	06:36 20:04	07:39 18:40	07:50 16:22	08:51 15:37	
9	09:02 15:57	08:10 17:05	06:58 18:10		06:31 20:19	05:15 21:25	04:24 22:19	04:34 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:36	
10	09:01 15:59	08:07 17:07	06:55 18:12		06:29 20:21	05:12 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:34	07:54 16:18	08:53 15:36	
11	09:00 16:01	08:05 17:09	06:52 18:14		06:26 20:23	05:10 21:29	04:23 22:21	04:37 22:18	05:36 21:18	06:42 19:55	07:46 18:32	9 17:01 (13) 16:15	07:57 16:15	08:55 15:36
12	08:59 16:02	08:03 17:12	06:49 18:17		06:23 20:25	05:08 21:31	04:22 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	15 17:13 (13) 16:13	07:59 16:13	08:56 15:35
13	08:58 16:04	08:00 17:14	16:28 (13) 16:39 (13)	06:47 18:19	06:20 20:27	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:50 18:26	19 17:15 (13) 16:11	08:01 16:11	08:57 15:35
14	08:57 16:06	07:58 17:17	16:25 (13) 16:41 (13)	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:42 21:11	06:48 19:47	07:53 18:24	22 17:16 (13) 16:09	08:03 16:09	08:58 15:35
15	08:56 16:08	07:55 17:19	16:24 (13) 16:43 (13)	06:41 18:23	06:15 20:32	05:01 21:37	04:21 22:25	04:43 22:12	05:44 21:08	06:50 19:44	07:55 18:21	24 17:17 (13) 16:07	08:06 16:07	09:00 15:35
16	08:54 16:10	07:53 17:21	16:22 (13) 16:44 (13)	06:38 18:26	06:12 20:34	04:59 21:39	04:21 22:25	04:45 22:11	05:46 21:06	06:52 19:41	07:57 18:18	25 17:17 (13) 16:06	08:08 16:06	09:01 15:35
17	08:53 16:12	07:50 17:24	16:21 (13) 16:45 (13)	06:36 18:28	06:10 20:36	04:57 21:42	04:21 22:26	04:46 22:09	05:49 21:03	06:55 19:39	07:59 18:16	26 17:17 (13) 16:04	08:10 16:04	09:01 15:35
18	08:52 16:14	07:48 17:26	16:21 (13) 16:46 (13)	06:33 18:30	06:07 20:38	04:55 21:44	04:21 22:26	04:48 22:08	05:51 21:01	06:57 19:36	08:02 18:13	27 17:18 (13) 16:02	08:12 16:02	09:02 15:35
19	08:50 16:16	07:45 17:28	16:20 (13) 16:46 (13)	06:30 18:32	06:04 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:10	28 17:18 (13) 16:00	08:14 16:00	09:03 15:35
20	08:49 16:19	07:43 17:31	16:19 (13) 16:46 (13)	06:27 18:35	06:02 20:43	04:52 21:47	04:21 22:27	04:52 22:05	05:55 20:55	07:01 19:30	08:06 18:08	28 17:18 (13) 15:58	08:17 15:58	09:04 15:35
21	08:47 16:21	07:40 17:33	16:20 (13) 16:47 (13)	06:24 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:53 22:03	05:57 20:53	07:03 19:27	08:08 18:05	27 17:17 (13) 15:57	08:19 15:57	09:04 15:36
22	08:45 16:23	07:38 17:35	16:19 (13) 16:47 (13)	06:22 18:39	05:56 20:47	04:48 21:51	04:21 22:28	04:55 22:01	05:59 20:50	07:05 19:24	08:11 18:03	26 17:16 (13) 15:55	08:21 15:55	09:05 15:36
23	08:44 16:25	07:35 17:38	16:19 (13) 16:46 (13)	06:19 18:41	05:54 20:50	04:46 21:53	04:21 22:28	04:57 21:59	06:01 20:48	07:07 19:22	08:13 18:00	26 17:16 (13) 15:54	08:23 15:54	09:06 15:37
24	08:42 16:27	07:33 17:40	16:19 (13) 16:46 (13)	06:16 18:43	05:51 20:52	04:44 21:55	04:21 22:28	04:59 21:57	06:04 20:45	07:09 19:19	08:15 17:57	25 17:15 (13) 15:52	08:25 15:52	09:06 15:37
25	08:40 16:30	07:30 17:42	16:20 (13) 16:46 (13)	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:42	07:11 19:16	07:17 16:55	23 16:15 (13) 15:51	08:27 15:51	09:06 15:38
26	08:39 16:32	07:27 17:45	16:20 (13) 16:45 (13)	06:10 18:48	05:46 20:56	04:41 21:59	04:22 22:28	05:03 21:54	06:08 20:40	07:14 19:13	07:20 16:52	21 16:13 (13) 15:49	08:29 15:49	09:07 15:39
27	08:37 16:34	07:25 17:47	16:21 (13) 16:44 (13)	06:08 18:50	05:43 20:58	04:40 22:00	04:23 22:27	05:05 21:52	06:10 20:37	07:16 19:10	07:22 16:50	18 16:12 (13) 15:48	08:31 15:48	09:07 15:40
28	08:35 16:36	07:22 17:49	16:21 (13) 16:42 (13)	06:05 18:52	05:41 21:01	04:38 22:02	04:23 22:27	05:07 21:50	06:12 20:34	07:18 19:08	07:24 16:47	15 16:10 (13) 15:47	08:33 15:47	09:07 15:40
29	08:33 16:39		07:02 19:54		05:38 21:03	04:37 22:04	04:24 22:27	05:09 21:48	06:14 20:31	07:20 19:05	07:27 16:45	9 16:07 (13) 15:45	08:35 15:45	09:07 15:41
30	08:31 16:41		06:59 19:57		05:36 21:05	04:35 22:06	04:25 22:27	05:11 21:46	06:16 20:29	07:22 19:02	07:29 16:43		08:37 15:44	09:07 15:42
31	08:29 16:43		06:56 19:59			04:34 22:07		05:13 21:43	06:19 20:26	07:31 16:40			09:07 15:44	
Potential sun hours	227	262	365	429	516	539	539	475	386	321	413	241	207	
Total, worst case			374	30							413			
Sun reduction			0,22	0,37							0,31			
Oper. time red.			0,93	0,93							0,93			
Wind dir. red.			0,87	0,87							0,87			
Total reduction			0,18	0,30							0,25			
Total, real			67	9							103			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AA - Jaunterces
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January		February	March	April	May	June	July	August	September	October	November	December
1	09:07	10:47 (1)	08:27	07:20	06:54	05:34	04:33	04:26	05:15	06:21	07:25	07:34	08:39
	15:46	9 10:56 (1)	16:46	17:52	20:01	21:08	22:09	22:26	21:42	20:24	19:00	16:38	15:43
2	09:06	10:48 (1)	08:25	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36	08:41
	15:47	7 10:55 (1)	16:48	17:54	20:03	21:10	22:10	22:26	21:39	20:21	18:57	16:36	15:42
3	09:06	10:50 (1)	08:23	07:14	06:48	05:29	04:30	04:28	05:19	06:25	07:29	07:38	08:43
	15:48	4 10:54 (1)	16:51	17:57	20:06	21:12	22:12	22:25	21:37	20:18	18:54	16:33	15:41
4	09:06		08:21	07:12	06:46	05:26	04:29	04:29	05:21	06:27	07:31	07:41	08:45
	15:50		16:53	17:59	20:08	21:14	22:13	22:24	21:35	20:15	18:51	16:31	15:40
5	09:05		08:19	07:09	06:43	05:24	04:28	04:30	05:23	06:29	07:33	07:43	08:46
	15:51		16:55	18:01	20:10	21:16	22:15	22:24	21:33	20:13	18:48	16:29	15:40
6	09:04		08:17	07:06	06:40	05:22	04:27	04:31	05:26	06:32	07:35	07:45	08:48
	15:53		16:58	18:03	20:12	21:19	22:16	22:23	21:30	20:10	18:46	16:27	15:39
7	09:04		08:14	07:03	06:37	05:19	04:26	04:32	05:28	06:34	07:38	07:48	08:49
	15:54		17:00	18:06	20:14	21:21	22:17	22:22	21:28	20:07	18:43	16:24	15:38
8	09:03		08:12	07:01	06:34	05:17	04:26	04:33	05:30	06:36	07:40	07:50	08:51
	15:56		17:03	18:08	20:17	21:23	22:18	22:21	21:26	20:04	18:40	16:22	15:37
9	09:02		08:10	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52	08:52
	15:57		17:05	18:10	20:19	21:25	22:19	22:20	21:23	20:01	18:37	16:20	15:37
10	09:01		08:08	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44	07:55	08:54
	15:59		17:07	18:12	20:21	21:27	22:21	22:19	21:21	19:59	18:35	16:18	15:36
11	09:00		08:05	06:52	06:26	05:10	04:23	04:37	05:36	06:42	07:46	07:57	08:55
	16:01		17:10	18:15	20:23	21:29	22:22	22:18	21:18	19:56	18:32	16:16	15:36
12	08:59		08:03	06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:49	07:59	08:56
	16:03		17:12	18:17	20:26	21:31	22:22	22:17	21:16	19:53	18:29	16:14	15:36
13	08:58		08:00	06:47	06:21	05:06	04:22	04:40	05:40	06:46	07:51	08:01	08:58
	16:05		17:15	18:19	20:28	21:34	22:23	22:15	21:14	19:50	18:27	16:12	15:35
14	08:57		07:58	06:44	06:18	05:04	04:22	04:42	05:43	06:49	07:53	08:04	08:59
	16:07		17:17	18:21	20:30	21:36	22:24	22:14	21:11	19:47	18:24	16:10	15:35
15	08:56		07:56	06:41	06:15	05:02	04:22	04:43	05:45	06:51	07:55	08:06	09:00
	16:09		17:19	18:24	20:32	21:38	22:25	22:13	21:09	19:45	18:21	16:08	15:35
16	08:55		07:53	06:39	06:13	05:00	04:21	04:45	05:47	06:53	07:57	08:08	09:01
	16:11		17:22	18:26	20:34	21:40	22:25	22:11	21:06	19:42	18:19	16:06	15:35
17	08:53		07:51	06:36	06:10	04:58	04:21	04:47	05:49	06:55	08:00	08:10	09:02
	16:13		17:24	18:28	20:37	21:42	22:26	22:10	21:03	19:39	18:16	16:04	15:35
18	08:52		07:48	06:33	06:07	04:56	04:21	04:48	05:51	06:57	08:02	08:13	09:03
	16:15		17:26	18:30	20:39	21:44	22:27	22:08	21:01	19:36	18:13	16:02	15:35
19	08:50		07:46	06:30	06:05	04:54	04:21	04:50	05:53	06:59	08:04	08:15	09:03
	16:17		17:29	18:33	20:41	21:46	22:27	22:06	20:58	19:33	18:11	16:01	15:35
20	08:49		07:43	06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:17	09:04
	16:19		17:31	18:35	20:43	21:48	22:27	22:05	20:56	19:30	18:08	15:59	15:36
21	08:47		07:41	06:25	05:59	04:50	04:21	04:54	05:57	07:03	08:09	08:19	09:05
	16:21		17:33	18:37	20:45	21:50	22:28	22:03	20:53	19:28	18:05	15:57	15:36
22	08:46		07:38	06:22	05:57	04:48	04:21	04:56	06:00	07:05	08:11	08:21	09:05
	16:23		17:36	18:39	20:48	21:52	22:28	22:01	20:50	19:25	18:03	15:55	15:36
23	08:44		07:35	06:19	05:54	04:47	04:21	04:57	06:02	07:08	08:13	08:23	09:06
	16:25		17:38	18:41	20:50	21:54	22:28	22:00	20:48	19:22	18:00	15:54	15:37
24	08:42		07:33	06:16	05:51	04:45	04:22	04:59	06:04	07:10	08:15	08:25	09:06
	16:28		17:40	18:44	20:52	21:55	22:28	21:58	20:45	19:19	17:58	15:52	15:38
25	08:41		07:30	06:13	05:49	04:43	04:22	05:01	06:06	07:12	07:18	08:27	09:07
	16:30		17:43	18:46	20:54	21:57	22:28	21:56	20:43	19:16	16:55	15:51	15:38
26	08:39		07:28	06:11	05:46	04:42	04:23	05:03	06:08	07:14	07:20	08:30	09:07
	16:32		17:45	18:48	20:57	21:59	22:28	21:54	20:40	19:14	16:53	15:50	15:39
27	08:37		07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	07:22	08:32	09:07
	16:34		17:47	18:50	20:59	22:01	22:28	21:52	20:37	19:11	16:50	15:48	15:40
28	08:35		07:22	06:05	05:41	04:38	04:24	05:07	06:12	07:18	07:25	08:34	09:07
	16:37		17:50	18:52	21:01	22:02	22:28	21:50	20:34	19:08	16:48	15:47	15:41
29	08:33			07:02	05:39	04:37	04:24	05:09	06:15	07:20	07:27	08:35	09:07
	16:39			19:55	21:03	22:04	22:27	21:48	20:32	19:05	16:45	15:46	15:42
30	08:31			06:59	05:36	04:36	04:25	05:11	06:17	07:22	07:29	08:37	09:07
	16:41			19:57	21:05	22:06	22:27	21:46	20:29	19:02	16:43	15:44	15:43
31	08:29			06:57		04:34		05:13	06:19		07:31		09:07
	16:44			19:59		22:07		21:44	20:26		16:40		15:44
Potential sun hours	227		262	365	429	515	539	539	475	386	321	241	207
Total, worst case		20											288
Sun reduction		0,13											0,13
Oper. time red.		0,93											0,93
Wind dir. red.		0,32											0,32
Total reduction		0,04											0,04
Total, real		1											11

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AB - Jaunto šeni
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June
1	09:06 15:45	08:27 16:46	15:09 (9) 17:52	06:54 20:01	05:34 21:07	18:52 (12) 22:09
2	09:06 15:47	08:25 16:48	15:11 (9) 17:54	06:51 20:03	05:31 21:09	18:52 (12) 22:10
3	09:06 15:48	08:23 16:51	15:13 (9) 17:56	06:48 20:05	05:29 21:12	18:52 (12) 22:12
4	09:05 15:49	08:21 16:53	15:14 (9) 17:59	06:45 20:08	05:26 21:14	18:53 (12) 22:13
5	09:05 15:51	08:18 16:55	15:18 (9) 18:01	06:42 20:10	05:24 21:16	18:53 (12) 22:14
6	09:04 15:52	08:16 16:58	07:00 18:03	06:40 20:12	05:22 21:18	18:53 (12) 22:16
7	09:03 15:54	08:14 17:00	07:03 18:05	06:37 20:14	05:19 21:20	18:53 (12) 22:17
8	09:03 15:56	08:12 17:02	07:00 18:08	06:34 20:16	05:17 21:23	18:54 (12) 22:18
9	09:02 15:57	08:10 17:05	06:58 18:10	06:31 20:19	05:15 21:25	18:55 (12) 22:19
10	09:01 15:59	15:13 (9) 17:07	06:55 18:12	06:29 20:21	05:12 21:27	18:56 (12) 22:20
11	09:00 16:01	15:15 (9) 17:10	06:52 18:14	06:26 20:23	05:10 21:29	18:56 (12) 22:21
12	08:59 16:03	15:17 (9) 17:12	06:49 18:17	06:23 20:25	05:08 21:31	18:57 (12) 22:22
13	08:58 16:04	15:19 (9) 17:14	06:47 18:19	06:20 20:27	05:06 21:33	18:58 (12) 22:23
14	08:57 16:06	15:22 (9) 17:17	06:44 18:21	06:18 20:30	05:04 21:35	18:59 (12) 22:24
15	08:55 16:08	15:23 (9) 17:19	06:41 18:23	06:15 20:32	05:02 21:37	19:01 (12) 22:24
16	08:54 16:10	15:24 (9) 17:21	06:38 18:26	06:12 20:34	05:00 21:39	19:02 (12) 22:25
17	08:53 16:12	15:26 (9) 17:24	06:36 18:28	06:10 20:36	04:58 21:41	19:04 (12) 22:26
18	08:51 16:14	15:27 (9) 17:26	06:33 18:30	06:07 20:38	04:56 21:43	19:05 (12) 22:26
19	08:50 16:17	15:29 (9) 17:28	06:30 18:32	06:04 20:41	04:54 21:45	19:08 (12) 22:27
20	08:49 16:19	15:30 (9) 17:31	06:27 18:35	06:02 20:43	04:52 21:47	19:10 (12) 22:27
21	08:47 16:21	15:32 (9) 17:33	06:24 18:37	05:59 20:45	04:50 21:49	19:14 (12) 22:27
22	08:45 16:23	15:33 (9) 17:36	06:22 18:39	05:56 20:47	04:48 21:51	19:20 (12) 22:27
23	08:44 16:25	15:35 (9) 17:38	06:19 18:41	05:54 20:50	04:46 21:53	22:27
24	08:42 16:27	15:36 (9) 17:40	06:16 18:43	05:51 20:52	04:45 21:55	22:28
25	08:40 16:30	15:38 (9) 17:42	06:13 18:46	05:49 20:54	04:43 21:57	22:28
26	08:39 16:32	15:40 (9) 17:45	06:10 18:48	05:46 20:56	04:41 21:59	22:28
27	08:37 16:34	15:42 (9) 17:47	06:08 18:50	05:44 20:58	04:40 22:00	22:28
28	08:35 16:37	15:44 (9) 17:49	06:05 18:52	05:41 21:01	04:38 22:02	22:27
29	08:33 16:39	15:46 (9) 17:51	07:02 19:54	05:39 21:03	04:37 22:04	22:27
30	08:31 16:41	15:48 (9) 17:53	06:59 19:57	05:36 21:05	04:35 22:05	22:26
31	08:29 16:43	15:50 (9) 17:55	06:56 19:59	05:34 21:07	04:33 22:07	22:26
Potential sun hours	227	262	365	429	515	539
Total, worst case	452	75	225	833	767	
Sun reduction	0,13	0,22	0,37	0,46	0,58	
Oper. time red.	0,93	0,93	0,93	0,93	0,93	
Wind dir. red.	0,66	0,66	0,99	0,99	0,99	
Total reduction	0,08	0,14	0,34	0,42	0,53	
Total, real	36	10	76	352	408	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AB - Jaunto šeni
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	July			August			September			October	November			December		
1	04:26			05:15	19:07 (12)		06:21	19:14 (12)	07:24		07:33			08:39	14:51 (9)	
	22:26			21:41	39 19:46 (12)		20:23	13 19:27 (12)	18:59		16:38			15:43	8 14:59 (9)	
2	04:27			05:17	19:06 (12)		06:23		07:26		07:36			08:41	14:54 (9)	
	22:25			21:39	41 19:47 (12)		20:20		18:56		16:35			15:42	3 14:57 (9)	
3	04:28			05:19	19:06 (12)		06:25		07:29		07:38			08:42		
	22:25			21:37	42 19:48 (12)		20:18		18:54		16:33			15:41		
4	04:29			05:21	19:05 (12)		06:27		07:31		07:40			08:44		
	22:24			21:35	43 19:48 (12)		20:15		18:51		16:31			15:40		
5	04:30			05:23	19:04 (12)		06:29		07:33		07:43			08:46		
	22:23			21:32	45 19:49 (12)		20:12		18:48		16:29			15:39		
6	04:31			05:25	19:04 (12)		06:31		07:35		07:45		14:47 (9)	08:47		
	22:23			21:30	46 19:50 (12)		20:09		18:45		16:26	7		15:39		
7	04:32			05:27	19:03 (12)		06:33		07:37		07:47		14:45 (9)	08:49		
	22:22			21:28	47 19:50 (12)		20:07		18:43		16:24	12	14:57 (9)	15:38		
8	04:33			05:30	19:02 (12)		06:36		07:39		07:50		14:42 (9)	08:51		
	22:21			21:25	48 19:50 (12)		20:04		18:40		16:22	17	14:59 (9)	15:37		
9	04:34			05:32	19:02 (12)		06:38		07:42		07:52		14:42 (9)	08:52		
	22:20			21:23	49 19:51 (12)		20:01		18:37		16:20	19	15:01 (9)	15:37		
10	04:36			05:34	19:02 (12)		06:40		07:44		07:54		14:40 (9)	08:53		
	22:19			21:21	49 19:51 (12)		19:58		18:34		16:18	21	15:01 (9)	15:36		
11	04:37			05:36	19:01 (12)		06:42		07:46		07:56		14:40 (9)	08:55		
	22:17			21:18	50 19:51 (12)		19:55		18:32		16:16	22	15:02 (9)	15:36		
12	04:39			05:38	19:01 (12)		06:44		07:48		07:59		14:40 (9)	08:56		
	22:16			21:16	50 19:51 (12)		19:53		18:29		16:14	23	15:03 (9)	15:35		
13	04:40			05:40	19:00 (12)		06:46		07:50		08:01		14:39 (9)	08:57		
	22:15			21:13	51 19:51 (12)		19:50		18:26		16:12	24	15:03 (9)	15:35		
14	04:42			05:42	18:59 (12)		06:48		07:53		08:03		14:39 (9)	08:58		
	22:14			21:11	51 19:50 (12)		19:47		18:24		16:10	25	15:04 (9)	15:35		
15	04:43			05:44	18:59 (12)		06:50		07:55		08:06		14:39 (9)	08:59		
	22:12			21:08	51 19:50 (12)		19:44		18:21		16:08	25	15:04 (9)	15:35		
16	04:45			05:47	18:59 (12)		06:52		18:33 (11)	07:57	08:08		14:39 (9)	09:00		
	22:11			21:06	50 19:49 (12)		19:41	10 18:43 (11)	18:18		16:06	26	15:05 (9)	15:35		
17	04:47			05:49	18:59 (12)		06:55		18:30 (11)	07:59	08:10		14:39 (9)	09:01		
	22:09			21:03	50 19:49 (12)		19:39	14 18:44 (11)	18:16		16:04	26	15:05 (9)	15:35		
18	04:48			05:51	18:59 (12)		06:57		18:28 (11)	08:02	08:12		14:39 (9)	09:02		
	22:08			21:01	50 19:49 (12)		19:36	17 18:45 (11)	18:13		16:02	26	15:05 (9)	15:35		
19	04:50			05:53	18:59 (12)		06:59		18:27 (11)	08:04	08:14		14:39 (9)	09:03		
	22:06			20:58	49 19:48 (12)		19:33	19 18:46 (11)	18:10		16:00	26	15:05 (9)	15:35		
20	04:52			05:55	18:59 (12)		07:01		18:26 (11)	08:06	08:17		14:40 (9)	09:04		
	22:04			20:55	49 19:48 (12)		19:30	20 18:46 (11)	18:08		15:59	25	15:05 (9)	15:35		
21	04:54			05:57	18:59 (12)		07:03		18:26 (11)	08:08	08:19		14:40 (9)	09:04		
	22:03			20:53	48 19:47 (12)		19:27	21 18:47 (11)	18:05		15:57	25	15:05 (9)	15:36		
22	04:55			05:59	19:00 (12)		07:05		18:25 (11)	08:11	08:21		14:42 (9)	09:05		
	22:01			20:50	46 19:46 (12)		19:25	22 18:47 (11)	18:03		15:55	23	15:05 (9)	15:36		
23	04:57		19:22 (12)	06:02	19:00 (12)		07:07		18:25 (11)	08:13	08:23		14:42 (9)	09:05		
	21:59	10	19:32 (12)	20:48	45 19:45 (12)		19:22	21 18:46 (11)	18:00		15:54	23	15:05 (9)	15:37		
24	04:59		19:19 (12)	06:04	19:00 (12)		07:09		18:24 (11)	08:15	08:25		14:43 (9)	09:06		
	21:57	17	19:36 (12)	20:45	44 19:44 (12)		19:19	22 18:46 (11)	17:57		15:52	22	15:05 (9)	15:37		
25	05:01		19:17 (12)	06:06			07:11		18:24 (11)	07:17	08:27		14:44 (9)	09:06		
	21:55	21	19:38 (12)	20:42	42 19:43 (12)		19:16	21 18:45 (11)	16:55		15:51	21	15:05 (9)	15:38		
26	05:03		19:16 (12)	06:08			07:14		18:25 (11)	07:20	08:29		14:44 (9)	09:06		
	21:54	24	19:40 (12)	20:40	40 19:42 (12)		19:13	17 18:42 (11)	16:52		15:49	20	15:04 (9)	15:39		
27	05:05		19:13 (12)	06:10			07:16		18:25 (11)	07:22	08:31		14:46 (9)	09:07		
	21:52	28	19:41 (12)	20:37	37 19:40 (12)		19:10	14 18:39 (11)	16:50		15:48	18	15:04 (9)	15:40		
28	05:07		19:12 (12)	06:12			07:18		18:27 (11)	07:24	08:33		14:47 (9)	09:07		
	21:50	31	19:43 (12)	20:34	34 19:38 (12)		19:08	9 18:36 (11)	16:47		15:47	16	15:03 (9)	15:41		
29	05:09		19:11 (12)	06:14			07:20		18:30 (11)	07:27	08:35		14:48 (9)	09:07		
	21:48	33	19:44 (12)	20:31	31 19:36 (12)		19:05	4 18:34 (11)	16:45		15:45	14	15:02 (9)	15:42		
30	05:11		19:10 (12)	06:16			07:22		07:29		08:37		14:50 (9)	09:07		
	21:45	35	19:45 (12)	20:29	27 19:34 (12)		19:02		16:43		15:44	11	15:01 (9)	15:43		
31	05:13		19:09 (12)	06:19			19:09 (12)		07:31					09:07		
	21:43	37	19:46 (12)	20:26	22 19:31 (12)				16:40					15:44		
Potential sun hours	538			474			386		321		241			207		
Total, worst case	236			1366			244				517			11		
Sun reduction	0,57			0,55			0,43				0,15			0,13		
Oper. time red.	0,93			0,93			0,93				0,93			0,93		
Wind dir. red.	0,99			0,99			0,99				0,66			0,66		
Total reduction	0,52			0,50			0,40				0,09			0,08		
Total, real	122			684			97				49			1		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AC - Jaunupites
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December		
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	05:22 (2) 05:35 (2)	04:26 22:26	05:21 (2) 05:46 (2)	05:15 21:41	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	05:32 21:10	04:32 22:10	05:21 (2) 05:36 (2)	04:27 22:26	05:21 (2) 05:47 (2)	05:18 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	05:20 (2) 05:37 (2)	04:28 22:25	05:22 (2) 05:47 (2)	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	05:19 (2) 05:38 (2)	04:29 22:24	05:23 (2) 05:47 (2)	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	05:18 (2) 05:39 (2)	04:30 22:24	05:23 (2) 05:46 (2)	05:24 21:33	06:30 20:13	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	05:18 (2) 05:39 (2)	04:31 22:23	05:24 (2) 05:46 (2)	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:00	07:04 18:06	06:37 20:15	05:20 21:21	04:27 22:17	05:18 (2) 05:41 (2)	04:33 22:22	05:24 (2) 05:46 (2)	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	05:17 (2) 05:41 (2)	04:34 22:21	05:25 (2) 05:45 (2)	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	05:17 (2) 05:41 (2)	04:35 22:20	05:26 (2) 05:44 (2)	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	05:17 (2) 05:42 (2)	04:36 22:19	05:28 (2) 05:44 (2)	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	05:11 21:29	04:24 22:21	05:17 (2) 05:42 (2)	04:38 22:18	05:29 (2) 05:43 (2)	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	05:08 21:31	04:23 22:22	05:17 (2) 05:43 (2)	04:39 22:16	05:30 (2) 05:42 (2)	05:39 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	05:17 (2) 05:44 (2)	04:41 22:15	05:33 (2) 05:40 (2)	05:41 21:13	06:47 19:50	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:36	04:22 22:24	05:17 (2) 05:43 (2)	04:42 22:14	05:40 (2) 21:11	05:43 19:47	06:49 18:24	07:53 16:10	08:04 15:35	08:59 15:35
15	08:56 16:09	07:56 17:19	06:41 18:24	06:15 20:32	05:02 21:38	04:22 22:25	05:17 (2) 05:44 (2)	04:44 22:12	05:45 21:08	06:51 19:45	07:55 18:21	07:55 16:08	08:06 15:35	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	05:17 (2) 05:44 (2)	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	07:57 16:06	08:08 15:35	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	04:21 22:26	05:17 (2) 05:45 (2)	04:47 22:09	05:49 21:03	06:55 19:39	08:00 18:16	08:00 16:04	08:10 15:35	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	05:17 (2) 05:45 (2)	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:03	09:02 15:36	09:03 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	05:17 (2) 05:45 (2)	04:51 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	05:18 (2) 05:45 (2)	04:52 22:05	05:56 20:58	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	06:00 20:45	04:50 21:50	04:21 22:27	05:18 (2) 05:46 (2)	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:05 15:36	09:05 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:51	04:22 22:28	05:19 (2) 05:46 (2)	04:56 22:01	06:00 20:50	07:06 19:25	08:11 18:03	08:21 15:56	09:05 15:37	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:42	05:54 20:50	04:47 21:53	04:22 22:28	05:18 (2) 05:46 (2)	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:18 (2) 05:46 (2)	05:00 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:19 (2) 05:47 (2)	05:02 21:56	06:06 20:42	07:12 19:16	08:17 16:55	08:27 15:51	09:06 15:39	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:56	04:42 21:59	04:23 22:28	05:19 (2) 05:47 (2)	05:03 21:54	06:08 20:40	07:14 19:14	08:20 16:53	08:29 15:50	09:07 15:39	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:01	04:23 22:28	05:20 (2) 05:47 (2)	05:05 21:52	06:11 20:37	07:16 19:11	08:22 16:50	08:31 15:48	09:07 15:40	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	05:41 21:01	04:39 22:02	04:24 22:27	05:20 (2) 05:47 (2)	05:07 21:50	06:13 20:34	07:18 19:08	08:25 16:48	08:33 15:47	09:07 15:41	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:20 (2) 05:47 (2)	05:09 21:48	06:15 20:32	07:20 19:05	08:27 16:45	08:35 15:46	09:07 15:42	09:07 15:42
30	08:31 16:42		07:00 19:57	05:36 21:05	04:36 22:06	04:26 22:27	05:21 (2) 05:47 (2)	05:11 21:46	06:17 20:29	07:23 19:02	08:29 16:43	08:37 15:45	09:07 15:43	09:07 15:43
31	08:29 16:44		06:57 19:59	05:35 22:07	04:35 21:10	04:27 22:27	05:21 (2) 05:33 (2)	05:13 21:44	06:19 20:26		07:31 16:41	08:39 15:44	09:07 15:44	09:07 15:44
Potential sun hours	227	262	365	429	515	539	745	538	474	386	321	241	207	
Total, worst case					14		0,58		254					
Sun reduction					0,58		0,53		0,57					
Oper. time red.					0,93		0,93		0,93					
Wind dir. red.					0,83		0,83		0,83					
Total reduction					0,45		0,41		0,44					
Total, real					6		305		111					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AD - Jemekli
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:45	08:27 16:46	07:19 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:34 16:38	08:39 15:43
2	09:06 15:46	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:10	04:31 22:10	04:26 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:35	08:41 15:42
3	09:06 15:48	08:23 16:50	07:14 17:56	06:48 20:05	05:29 21:12	04:30 22:12	04:27 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	09:05 15:49	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	04:29 22:13	04:28 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:40
5	09:05 15:51	08:19 16:55	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:15	04:30 22:24	05:23 21:33	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39
6	09:04 15:52	08:16 16:58	07:06 18:03	06:40 20:12	05:21 21:18	04:27 22:16	04:31 22:23	05:25 21:30	06:31 20:10	07:35 18:45	07:45 16:26	08:48 15:38
7	09:04 15:54	08:14 17:00	07:03 18:05	06:37 20:14	05:19 21:21	04:26 22:17	04:32 22:22	05:27 21:28	06:33 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:03 15:55	08:12 17:02	07:01 18:08	06:34 20:17	05:17 21:23	04:25 22:18	04:33 22:21	05:29 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37
9	09:02 15:57	08:10 17:05	06:58 18:10	06:31 20:19	05:15 21:25	04:24 22:19	04:34 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:12 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:34	07:54 16:18	08:54 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:23 22:21	04:37 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:22 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:13	08:56 15:35
13	08:58 16:04	08:00 17:14	06:47 18:19	06:20 20:28	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:51 18:26	08:01 16:11	08:57 15:35
14	08:57 16:06	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:36	04:22 22:24	04:42 22:14	05:42 21:11	06:48 19:47	07:53 18:24	08:03 16:09	08:59 15:35
15	08:56 16:08	07:55 17:19	06:41 18:23	06:15 20:32	05:02 21:38	04:21 22:25	04:43 22:12	05:44 21:08	06:50 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:10	07:53 17:21	06:38 18:26	06:12 20:34	04:59 21:40	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:18	08:08 16:06	09:01 15:35
17	08:53 16:12	07:51 17:24	06:36 18:28	06:10 20:36	04:57 21:42	04:21 22:26	04:46 22:10	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:02 15:35
18	08:52 16:14	07:48 17:26	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:48 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:03 15:35
19	08:50 16:16	07:46 17:28	06:30 18:32	06:04 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:10	08:15 16:00	09:03 15:35
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:35
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	04:50 21:50	04:21 22:28	04:53 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	05:56 20:48	04:48 21:52	04:21 22:28	04:55 22:01	05:59 20:50	07:05 19:25	08:11 18:03	08:21 15:55	09:05 15:36
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:50	04:46 21:53	04:21 22:28	04:57 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:27	07:33 17:40	06:16 18:43	05:51 20:52	04:45 21:55	04:21 22:28	04:59 21:58	06:04 20:45	07:09 19:19	08:15 17:57	08:25 15:52	09:06 15:37
25	08:41 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:38
26	08:39 16:32	07:27 17:45	06:10 18:48	05:46 20:56	04:41 21:59	04:22 22:28	05:03 21:54	06:08 20:40	07:14 19:13	07:20 16:52	08:29 15:49	09:07 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:36	07:22 17:49	06:05 18:52	05:41 21:01	04:38 22:02	04:23 22:27	05:07 21:50	06:12 20:34	07:18 19:08	07:24 16:47	08:33 15:47	09:07 15:40
29	08:33 16:39		07:02 19:54	05:38 21:03	04:37 22:04	04:24 22:27	05:09 21:48	06:14 20:32	07:20 19:05	07:27 16:45	08:35 15:45	09:07 15:41
30	08:31 16:41		06:59 19:57	05:36 21:05	04:35 22:06	04:25 22:27	05:11 21:46	06:16 20:29	07:22 19:02	07:29 16:43	08:37 15:44	09:07 15:43
31	08:29 16:43		06:56 19:59		04:34 22:07		05:13 21:44	06:19 20:26		07:31 16:40		09:07 15:44
Potential sun hours	227	262	365	430	516	539	539	475	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AE - Kalnmalas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January			February			March			April			May			June	
1	09:07		10:24 (2)	08:27			07:20		08:15 (3)	06:54		07:21 (1)	05:34		04:33		
	15:46	23	10:47 (2)	16:46			17:52	37	08:52 (3)	20:01	20	07:41 (1)	21:08		22:09		
2	09:06		10:25 (2)	08:25			07:17		08:14 (3)	06:51		07:20 (1)	05:31		04:32		
	15:47	23	10:48 (2)	16:49			17:54	39	08:53 (3)	20:04	20	07:40 (1)	21:10		22:10		
3	09:06		10:25 (2)	08:23			07:14		08:13 (3)	06:48		07:20 (1)	05:29		04:31		
	15:48	23	10:48 (2)	16:51			17:57	40	08:53 (3)	20:06	19	07:39 (1)	21:12		22:12		
4	09:06		10:26 (2)	08:21			07:12		08:14 (3)	06:46		07:21 (1)	05:27		04:30		
	15:50	22	10:48 (2)	16:53			17:59	40	08:54 (3)	20:08	18	07:39 (1)	21:14		22:13		
5	09:05		10:27 (2)	08:19			07:09		08:13 (3)	06:43		07:21 (1)	05:24		04:28		
	15:51	22	10:49 (2)	16:56			18:01	41	08:54 (3)	20:10	17	07:38 (1)	21:16		22:15		
6	09:04		10:28 (2)	08:17			07:06		08:12 (3)	06:40		07:21 (1)	05:22		04:28		
	15:53	22	10:50 (2)	16:58			18:04	41	08:53 (3)	20:12	16	07:37 (1)	21:19		22:16		
7	09:04		10:28 (2)	08:14			07:04		08:12 (3)	06:37		07:22 (1)	05:20		04:27		
	15:54	22	10:50 (2)	17:00			18:06	41	08:53 (3)	20:15	13	07:35 (1)	21:21		22:17		
8	09:03		10:28 (2)	08:12			07:01		08:12 (3)	06:35		07:25 (1)	05:17		04:26		
	15:56	21	10:49 (2)	17:03			18:08	40	08:52 (3)	20:17	7	07:32 (1)	21:23		22:18		
9	09:02		10:29 (2)	08:10			06:58		08:12 (3)	06:32			05:15		04:25		
	15:58	20	10:49 (2)	17:05			18:10	41	08:53 (3)	20:19			21:25		22:19		
10	09:01		10:30 (2)	08:08		08:39 (5)	06:55		08:12 (3)	06:29			05:13		04:24		
	15:59	19	10:49 (2)	17:08	5	08:44 (5)	18:13	40	08:52 (3)	20:21			21:27		22:21		
11	09:00		10:31 (2)	08:05		08:35 (5)	06:53		07:25 (4)	06:26			05:11		04:24		
	16:01	19	10:50 (2)	17:10	12	08:47 (5)	18:15	43	08:51 (3)	20:23			21:29		22:21		
12	08:59		10:32 (2)	08:03		08:34 (5)	06:50		07:20 (4)	06:24			05:08		04:23		
	16:03	17	10:49 (2)	17:12	15	08:49 (5)	18:17	50	08:50 (3)	20:26			21:31		22:22		
13	08:58		10:33 (2)	08:00		08:32 (5)	06:47		07:18 (4)	06:21			05:06		04:23		
	16:05	16	10:49 (2)	17:15	18	08:50 (5)	18:19	52	08:48 (3)	20:28			21:34		22:23		
14	08:57		10:34 (2)	07:58		08:31 (5)	06:44		07:17 (4)	06:18			05:04		04:22		
	16:07	14	10:48 (2)	17:17	20	08:51 (5)	18:22	54	08:48 (3)	20:30			21:36		22:24		
15	08:56		10:37 (2)	07:56		08:31 (5)	06:41		07:15 (4)	06:15			05:02		04:22		
	16:09	10	10:47 (2)	17:19	21	08:52 (5)	18:24	53	08:46 (3)	20:32			21:38		22:25		
16	08:55		10:38 (2)	07:53		08:30 (5)	06:39		07:14 (4)	06:13			05:00		04:21		
	16:11	7	10:45 (2)	17:22	22	08:52 (5)	18:26	52	08:44 (3)	20:34			21:40		22:25		
17	08:53			07:51		08:31 (5)	06:36		07:13 (4)	06:10			04:58		04:21		
	16:13			17:24	22	08:53 (5)	18:28	48	08:41 (3)	20:37			21:42		22:26		
18	08:52			07:48		08:30 (5)	06:33		07:12 (4)	06:07			04:56		04:21		
	16:15			17:26	23	08:53 (5)	18:30	44	08:38 (3)	20:39			21:44		22:27		
19	08:50			07:46		08:30 (5)	06:30		07:12 (4)	06:05			04:54		04:21		
	16:17			17:29	22	08:52 (5)	18:33	35	08:33 (3)	20:41			21:46		22:27		
20	08:49			07:43		08:31 (5)	06:28		07:12 (4)	06:02			04:52		04:21		
	16:19			17:31	21	08:52 (5)	18:35	26	07:38 (4)	20:43			21:48		22:27		
21	08:47			07:41		08:31 (5)	06:25		07:12 (4)	05:59			04:50		04:21		
	16:21			17:34	20	08:51 (5)	18:37	25	07:37 (4)	20:45			21:50		22:28		
22	08:46			07:38		08:28 (3)	06:22		07:12 (4)	05:57			04:48		04:21		
	16:23			17:36	22	08:50 (5)	18:39	24	07:36 (4)	20:48			21:52		22:28		
23	08:44			07:35		08:24 (3)	06:19		07:12 (4)	05:54			04:47		04:22		
	16:26			17:38	25	08:49 (5)	18:42	23	07:35 (4)	20:50			21:53		22:28		
24	08:42			07:33		08:23 (3)	06:16		07:13 (4)	05:52			04:45		04:22		
	16:28			17:41	25	08:48 (5)	18:44	20	07:33 (4)	20:52			21:55		22:28		
25	08:41			07:30		08:20 (3)	06:14		07:14 (4)	05:49			04:43		04:22		
	16:30			17:43	29	08:49 (3)	18:46	17	07:31 (4)	20:54			21:57		22:28		
26	08:39			07:28		08:19 (3)	06:11		07:16 (4)	05:46			04:42		04:23		
	16:32			17:45	31	08:50 (3)	18:48	13	07:29 (4)	20:57			21:59		22:28		
27	08:37			07:25		08:18 (3)	06:08		06:34 (1)	05:44			04:40		04:23		
	16:35			17:47	33	08:51 (3)	18:50	6	07:24 (4)	20:59			22:01		22:28		
28	08:35			07:22		08:17 (3)	06:05		06:31 (1)	05:41			04:39		04:24		
	16:37			17:50	35	08:52 (3)	18:53	7	06:38 (1)	21:01			22:02		22:27		
29	08:33						07:02		07:28 (1)	05:39			04:37		04:25		
	16:39						19:55	11	07:39 (1)	21:03			22:04		22:27		
30	08:31						07:00		07:26 (1)	05:36			04:36		04:25		
	16:42						19:57	15	07:41 (1)	21:05			22:06		22:27		
31	08:29						06:57		07:23 (1)				04:34				
	16:44						19:59	18	07:41 (1)				22:07				
Potential sun hours	227			262			365		429				515		539		
Total, worst case	300			421			1036		130								
Sun reduction	0,13			0,22			0,37		0,46								
Oper. time red.	0,93			0,93			0,93		0,93								
Wind dir. red.	0,39			0,84			0,90		1,00								
Total reduction	0,05			0,17			0,31		0,43								
Total, real	14			72			319		56								

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AE - Kalnmalas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	July	August	September	October	November	December
1	04:26	05:15	06:21	07:25	07:58 (4)	07:34
	22:26	21:42	20:24	19:00	09:28 (3)	16:38
2	04:27	05:17	06:23	07:27	08:01 (4)	07:36
	22:26	21:39	20:21	18:57	09:29 (3)	16:36
3	04:28	05:19	06:25	07:29	08:51 (3)	07:38
	22:25	21:37	20:18	18:54	09:30 (3)	16:34
4	04:29	05:22	06:27	07:31	08:50 (3)	07:41
	22:24	21:35	20:15	18:51	09:30 (3)	16:31
5	04:30	05:24	06:30	07:33	08:49 (3)	07:43
	22:24	21:33	20:13	18:49	09:29 (3)	16:29
6	04:31	05:26	06:32	07:35	08:48 (3)	07:45
	22:23	21:30	20:10	18:46	09:29 (3)	16:27
7	04:32	05:28	06:34	07:38	08:49 (3)	07:48
	22:22	21:28	20:07	18:43	09:30 (3)	16:24
8	04:34	05:30	06:36	07:40	08:48 (3)	07:50
	22:21	21:26	20:04	18:40	09:29 (3)	16:22
9	04:35	05:32	06:38	07:42	08:48 (3)	07:52
	22:20	21:23	20:01	18:38	09:28 (3)	16:20
10	04:36	05:34	06:40	07:44	08:48 (3)	07:55
	22:19	21:21	19:59	18:35	09:27 (3)	16:18
11	04:38	05:36	06:42	07:46	08:48 (3)	07:57
	22:18	21:18	19:56	18:32	09:27 (3)	16:16
12	04:39	05:38	06:44	07:49	08:49 (3)	07:59
	22:17	21:16	19:53	18:29	09:26 (3)	16:14
13	04:41	05:41	06:46	07:51	08:49 (3)	08:01
	22:15	21:14	19:50	18:27	09:25 (3)	16:12
14	04:42	05:43	06:49	07:53	08:50 (3)	08:04
	22:14	21:11	19:47	18:24	09:25 (3)	16:10
15	04:44	05:45	06:51	07:55	08:50 (3)	08:06
	22:13	21:09	19:45	18:21	09:23 (3)	16:08
16	04:45	05:47	06:53	07:57	08:51 (3)	08:08
	22:11	21:06	19:42	18:19	09:21 (3)	16:06
17	04:47	05:49	06:55	08:05	08:53 (3)	08:10
	22:10	21:03	19:39	18:16	09:20 (3)	16:04
18	04:49	05:51	06:57	08:03	08:54 (3)	08:13
	22:08	21:01	19:36	18:13	09:19 (5)	16:02
19	04:50	05:53	06:59	08:01	08:56 (3)	08:15
	22:06	20:58	19:33	18:11	09:20 (5)	16:01
20	04:52	05:55	07:01	08:06	09:01 (3)	08:17
	22:05	20:56	19:30	18:08	09:22 (5)	15:59
21	04:54	05:58	07:03	08:09	09:01 (5)	08:19
	22:03	20:53	19:28	18:06	09:22 (5)	15:57
22	04:56	06:00	07:05	08:11	09:01 (5)	08:21
	22:01	20:51	19:25	18:03	09:23 (5)	15:56
23	04:58	06:02	07:08	08:13	09:00 (5)	08:23
	22:00	20:48	19:22	18:00	09:22 (5)	15:54
24	05:00	06:04	07:10	08:15	09:00 (5)	08:25
	21:58	20:45	19:19	17:58	09:23 (5)	15:53
25	05:01	06:06	07:12	08:18	08:00 (5)	08:27
	21:56	20:43	19:16	16:55	08:22 (5)	15:51
26	05:03	06:08	07:14	08:20	08:01 (5)	08:30
	21:54	20:40	19:14	16:53	08:22 (5)	15:50
27	05:05	06:10	07:16	08:22	08:01 (5)	08:32
	21:52	20:37	19:11	16:50	08:21 (5)	15:48
28	05:07	06:13	07:18	08:25	08:02 (5)	08:33
	21:50	20:34	19:08	16:48	08:21 (5)	15:47
29	05:09	06:15	07:20	08:27	08:02 (5)	08:35
	21:48	20:32	19:05	16:45	08:19 (5)	15:46
30	05:11	06:17	07:23	08:29	08:04 (5)	08:37
	21:46	20:29	19:02	16:43	08:18 (5)	15:45
31	05:13	06:19		07:31	08:05 (5)	09:07
	21:44	20:26		16:41	08:16 (5)	15:44
Potential sun hours	538	474	386	321	241	207
Total, worst case			655	938	62	708
Sun reduction			0,43	0,31	0,15	0,13
Oper. time red.			0,93	0,93	0,93	0,93
Wind dir. red.			0,95	0,85	0,39	0,39
Total reduction			0,38	0,24	0,06	0,05
Total, real			249	228	3	32

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AF - Kardes
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December		
1	09:06 15:45	08:27 16:46	07:19 17:52	06:54 20:01	19:02 (8) 21:07	18:48 (8) 23	04:33 19:11 (8)	04:26 22:26	05:15 21:41	06:21 20:23	18:40 (8) 44	07:24 18:59	07:33 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	18:56 (8) 21:09	18:50 (8) 18	04:32 19:08 (8)	04:27 22:25	05:17 21:39	06:23 20:20	18:40 (8) 43	07:26 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:56	06:48 20:05	18:53 (8) 21:12	18:54 (8) 10	04:30 19:04 (8)	04:28 22:25	05:19 21:37	06:25 20:18	18:41 (8) 41	07:29 18:54	07:38 16:33	08:42 15:41
4	09:05 15:49	08:21 16:53	07:11 17:59	06:45 20:08	18:50 (8) 21:14		04:29 19:19 (8)	04:29 22:24	05:21 21:34	06:27 20:15	18:41 (8) 40	07:31 18:51	07:40 16:31	08:44 15:40
5	09:05 15:51	08:18 16:55	07:09 18:01	06:43 20:10	18:49 (8) 21:16		04:28 19:21 (8)	04:30 22:23	05:23 21:32	06:29 20:12	18:42 (8) 37	07:33 19:19 (8)	07:43 18:48	08:46 16:29
6	09:04 15:52	08:16 16:58	07:06 18:03	06:40 20:12	18:47 (8) 21:18		04:27 19:22 (8)	04:31 22:22	05:25 21:30	06:31 20:09	18:43 (8) 35	07:35 19:18 (8)	07:45 18:45	08:47 16:26
7	09:03 15:54	08:14 17:00	07:03 18:05	06:37 20:14	18:45 (8) 21:20		04:26 19:22 (8)	04:32 22:22	05:28 21:28	06:34 20:07	18:44 (8) 32	07:37 19:16 (8)	07:47 18:43	08:49 16:24
8	09:03 15:56	08:12 17:02	07:00 18:08	06:34 20:16	18:43 (8) 21:22		04:26 19:23 (8)	04:33 22:21	05:30 21:25	06:36 20:04	18:45 (8) 29	07:39 19:14 (8)	07:50 18:40	08:50 16:22
9	09:02 15:57	08:09 17:05	06:58 18:10	06:31 20:19	18:43 (8) 21:25		04:25 19:24 (8)	04:35 22:20	05:32 21:23	06:38 20:01	18:47 (8) 24	07:42 19:11 (8)	07:52 18:37	08:52 16:20
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	18:41 (8) 21:27		04:24 19:24 (8)	04:36 22:18	05:34 21:20	19:02 (8) 13	06:40 19:15 (8)	07:44 19:58	07:54 18:34	08:53 16:18
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	18:40 (8) 21:29		04:23 19:24 (8)	04:37 22:17	05:36 21:18	06:42 19	18:59 (8) 10	07:46 19:18 (8)	07:56 18:32	08:55 16:16
12	08:59 16:03	08:02 17:12	06:49 18:17	06:23 20:25	18:40 (8) 21:31		04:23 19:25 (8)	04:39 22:16	05:38 21:16	06:44 24	18:56 (8) 19:20 (8)	07:48 19:53	07:59 18:29	08:56 16:14
13	08:58 16:05	08:00 17:14	06:47 18:19	06:21 20:27	18:39 (8) 21:33		04:22 19:25 (8)	04:40 22:15	05:40 21:13	06:46 27	18:54 (8) 19:21 (8)	07:48 19:50	07:50 18:26	08:57 16:12
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	18:38 (8) 21:35		04:22 19:24 (8)	04:42 22:13	05:42 21:11	06:48 31	18:52 (8) 19:23 (8)	07:48 19:47	07:53 18:24	08:58 16:10
15	08:55 16:09	07:55 17:19	06:41 18:23	06:15 20:32	18:38 (8) 21:37		04:22 19:25 (8)	04:43 22:12	05:45 21:08	06:50 33	18:51 (8) 19:24 (8)	07:48 19:44	07:55 18:21	08:59 16:08
16	08:54 16:11	07:53 17:21	06:38 18:26	06:12 20:34	18:38 (8) 21:39		04:21 19:24 (8)	04:45 22:11	05:47 21:06	06:52 36	18:49 (8) 19:25 (8)	07:48 19:41	07:57 18:18	09:00 16:06
17	08:53 16:13	07:50 17:24	06:36 18:28	06:10 20:36	18:38 (8) 21:41		04:21 19:25 (8)	04:47 22:09	05:49 21:03	06:55 38	18:48 (8) 19:26 (8)	07:48 19:39	07:59 18:16	09:01 16:04
18	08:51 16:15	07:48 17:26	06:33 18:30	06:07 20:38	18:38 (8) 21:43		04:21 19:24 (8)	04:48 22:08	05:51 21:01	06:57 39	18:46 (8) 19:25 (8)	07:48 19:36	08:02 18:13	09:02 16:02
19	08:50 16:17	07:45 17:29	06:30 18:32	06:04 20:41	18:38 (8) 21:45		04:21 19:24 (8)	04:50 22:06	05:53 20:58	06:59 41	18:45 (8) 19:26 (8)	07:48 19:33	08:04 18:10	09:03 16:00
20	08:48 16:19	07:43 17:31	06:27 18:35	06:02 20:43	18:38 (8) 21:47		04:21 19:23 (8)	04:52 22:04	05:55 20:55	07:01 42	18:44 (8) 19:26 (8)	07:48 19:30	08:06 18:08	09:04 15:59
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	18:39 (8) 21:49		04:21 19:23 (8)	04:54 22:03	05:57 20:53	07:03 43	18:43 (8) 19:26 (8)	07:48 19:27	08:08 18:05	09:04 15:57
22	08:45 16:23	07:38 17:36	06:22 18:39	05:57 20:47	18:38 (8) 21:51		04:21 19:22 (8)	04:56 22:01	05:59 20:50	07:05 45	18:42 (8) 19:27 (8)	07:48 19:25	08:11 18:03	09:05 15:55
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:50	18:39 (8) 21:53		04:21 19:21 (8)	04:57 22:00	06:02 20:47	07:07 46	18:41 (8) 19:27 (8)	07:48 19:22	08:13 18:00	09:05 15:54
24	08:42 16:28	07:33 17:40	06:16 18:43	05:51 20:52	18:39 (8) 21:55		04:22 19:20 (8)	04:59 22:08	06:04 20:45	07:09 46	18:41 (8) 19:27 (8)	07:48 19:19	08:15 17:58	09:06 15:52
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 20:54	18:40 (8) 21:57		04:22 19:20 (8)	05:01 22:06	06:06 20:42	07:12 47	18:40 (8) 19:27 (8)	07:48 19:16	08:14 16:55	09:06 15:51
26	08:38 16:32	07:27 17:45	06:10 18:48	05:46 20:56	18:41 (8) 21:59		04:23 19:18 (8)	05:03 22:04	06:08 20:39	07:14 46	18:40 (8) 19:26 (8)	07:48 19:13	08:14 16:53	09:06 15:49
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:58	18:42 (8) 22:00		04:23 19:17 (8)	05:05 22:01	06:10 20:37	07:16 46	18:40 (8) 19:26 (8)	07:48 19:10	08:10 16:50	09:07 15:48
28	08:35 16:37	07:22 17:49	06:05 18:52	05:41 21:01	18:43 (8) 22:02		04:24 19:16 (8)	05:07 22:01	06:12 20:34	07:18 47	18:40 (8) 19:27 (8)	07:48 19:08	07:24 16:48	09:07 15:47
29	08:33 16:39		07:02 19:54	05:39 21:03	18:44 (8) 22:04		04:24 19:14 (8)	05:09 22:01	06:14 20:31	07:20 46	18:40 (8) 19:26 (8)	07:48 19:05	07:26 16:45	09:07 15:46
30	08:31 16:41		06:59 19:57	05:36 21:05	18:46 (8) 22:05		04:25 19:13 (8)	05:11 22:02	06:17 21:45	07:22 46	18:40 (8) 19:26 (8)	07:48 19:02	07:29 16:43	09:07 15:44
31	08:29 16:44		06:56 19:59		04:34 22:07			05:13 21:43	06:19 20:26	07:22 45	18:40 (8) 19:25 (8)		07:31 16:40	09:06 15:44
Potential sun hours	227	262	365	429	515	539	538	474		386		321	241	207
Total, worst case				1138	51				846		354			
Sun reduction				0,46	0,58				0,55		0,43			
Oper. time red.				0,93	0,93				0,93		0,93			
Wind dir. red.				1,00	1,00				1,00		1,00			
Total reduction				0,43	0,54				0,51		0,40			
Total, real				487	27			429	141					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AG - Kraukli (A)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:03	05:32 21:10	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:32	06:30 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:47 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:53 15:37
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:17	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	04:41 22:15	05:41 21:13	06:46 19:50	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:03 16:10	08:58 15:35
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16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
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29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
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31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:43	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AH - Kraukli (B)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:03	05:32 21:10	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:32	06:30 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:47 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:53 15:37
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:17	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	04:41 22:15	05:41 21:13	06:46 19:50	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:56 16:09	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:24	04:44 22:12	05:45 21:08	06:51 19:44	07:55 18:21	08:06 16:08	08:59 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
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18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:03	09:02 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:51 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:04 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:51	04:22 22:27	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:57	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:40 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:02 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:56	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:00	04:23 22:27	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:36 21:05	04:36 22:05	04:26 22:26	05:11 21:46	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:43	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	228	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AI - Krivas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

		January	February	March	April	May	June	July	August	September	October	November	December	
1	09:07	09:57 (13)	08:27	07:20	06:54	05:34	04:33	04:26	05:15	06:21	07:24	07:34	08:39	09:42 (13)
	15:45	22 10:19 (13)	16:46	17:52	20:01	21:07	22:09	22:26	21:41	20:23	18:59	16:38	15:43	24 10:06 (13)
2	09:06	09:57 (13)	08:25	07:17	06:51	05:31	04:31	04:27	05:17	06:23	07:27	07:36	08:41	09:42 (13)
	15:47	22 10:19 (13)	16:48	17:54	20:03	21:10	22:10	22:26	21:39	20:21	18:57	16:36	15:42	24 10:06 (13)
3	09:06	09:57 (13)	08:23	07:14	06:48	05:29	04:30	04:27	05:19	06:25	07:29	07:38	08:43	09:43 (13)
	15:48	22 10:19 (13)	16:51	17:56	20:06	21:12	22:12	22:25	21:37	20:18	18:54	16:33	15:41	24 10:07 (13)
4	09:05	09:57 (13)	08:21	07:11	06:45	05:26	04:29	04:29	05:21	06:27	07:31	07:41	08:44	09:43 (13)
	15:49	23 10:20 (13)	16:53	17:59	20:08	21:14	22:13	22:24	21:35	20:15	18:51	16:31	15:40	24 10:07 (13)
5	09:05	09:58 (13)	08:19	07:09	06:43	05:24	04:28	04:30	05:23	06:29	07:33	07:43	08:46	09:44 (13)
	15:51	23 10:21 (13)	16:55	18:01	20:10	21:16	22:15	22:24	21:33	20:12	18:48	16:29	15:39	23 10:07 (13)
6	09:04	09:58 (13)	08:16	07:06	06:40	05:22	04:27	04:31	05:25	06:31	07:35	07:45	08:48	09:44 (13)
	15:52	24 10:22 (13)	16:58	18:03	20:12	21:18	22:16	22:23	21:30	20:10	18:45	16:26	15:38	23 10:07 (13)
7	09:04	09:59 (13)	08:14	07:03	06:37	05:19	04:26	04:32	05:27	06:34	07:37	07:47	08:49	09:44 (13)
	15:54	23 10:22 (13)	17:00	18:06	20:14	21:21	22:17	22:22	21:28	20:07	18:43	16:24	15:38	23 10:07 (13)
8	09:03	09:58 (13)	08:12	07:01	06:34	05:17	04:25	04:33	05:30	06:36	07:40	07:50	08:51	09:45 (13)
	15:56	24 10:22 (13)	17:02	18:08	20:17	21:23	22:18	22:21	21:26	20:04	18:40	16:22	15:37	23 10:08 (13)
9	09:02	09:59 (13)	08:10	06:58	06:31	05:15	04:24	04:34	05:32	06:38	07:42	07:52	08:52	09:46 (13)
	15:57	24 10:23 (13)	17:05	18:10	20:19	21:25	22:19	22:20	21:23	20:01	18:37	16:20	15:37	22 10:08 (13)
10	09:01	09:59 (13)	08:07	06:55	06:29	05:12	04:24	04:36	05:34	06:40	07:44	07:54	08:54	09:46 (13)
	15:59	24 10:23 (13)	17:07	18:12	20:21	21:27	22:20	22:19	21:21	19:58	18:35	16:18	15:36	22 10:08 (13)
11	09:00	10:00 (13)	08:05	06:52	06:26	05:10	04:23	04:37	05:36	06:42	07:46	07:57	08:55	09:47 (13)
	16:01	24 10:24 (13)	17:10	18:15	20:23	21:29	22:21	22:18	21:18	19:56	18:32	16:16	15:36	22 10:09 (13)
12	08:59	10:00 (13)	08:03	06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:48	07:59	08:56	09:48 (13)
	16:03	24 10:24 (13)	17:12	18:17	20:25	21:31	22:22	22:16	21:16	19:53	18:29	16:14	15:35	21 10:09 (13)
13	08:58	10:01 (13)	08:00	06:47	06:21	05:06	04:22	04:40	05:40	06:46	07:51	08:01	08:58	09:48 (13)
	16:04	24 10:25 (13)	17:14	18:19	20:28	21:33	22:23	22:15	21:13	19:50	18:26	16:12	15:35	21 10:09 (13)
14	08:57	10:00 (13)	07:58	06:44	06:18	05:04	04:22	04:42	05:42	06:48	07:53	08:04	08:59	09:49 (13)
	16:06	24 10:24 (13)	17:17	18:21	20:30	21:36	22:24	22:14	21:11	19:47	18:24	16:10	15:35	21 10:10 (13)
15	08:56	10:02 (13)	07:55	06:41	06:15	05:02	04:21	04:43	05:44	06:50	07:55	08:06	09:00	09:50 (13)
	16:08	23 10:25 (13)	17:19	18:24	20:32	21:38	22:25	22:12	21:08	19:44	18:21	16:08	15:35	20 10:10 (13)
16	08:54	10:02 (13)	07:53	06:38	06:12	05:00	04:21	04:45	05:47	06:53	07:57	08:08	09:01	09:50 (13)
	16:10	23 10:25 (13)	17:21	18:26	20:34	21:40	22:25	22:11	21:06	19:42	18:18	16:06	15:35	20 10:10 (13)
17	08:53	10:02 (13)	07:51	06:36	06:10	04:58	04:21	04:47	05:49	06:55	07:59	08:10	09:02	09:51 (13)
	16:12	23 10:25 (13)	17:24	18:28	20:36	21:42	22:26	22:10	21:03	19:39	18:16	16:04	6 09:53 (13)	15:35 19 10:10 (13)
18	08:52	10:04 (13)	07:48	06:33	06:07	04:56	04:21	04:48	05:51	06:57	08:02	08:12	09:04 (13)	09:03 09:52 (13)
	16:14	21 10:25 (13)	17:26	18:30	20:39	21:44	22:27	22:08	21:01	19:36	18:13	16:02	11 09:55 (13)	15:35 19 10:11 (13)
19	08:50	10:04 (13)	07:46	06:30	06:04	04:54	04:21	04:50	05:53	06:59	08:04	08:15	09:03 (13)	09:03 09:51 (13)
	16:17	21 10:25 (13)	17:29	18:32	20:41	21:46	22:27	22:06	20:58	19:33	18:10	16:00	15 09:58 (13)	15:35 19 10:10 (13)
20	08:49	10:05 (13)	07:43	06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:17	09:02 (13)	09:04 09:52 (13)
	16:19	20 10:25 (13)	17:31	18:35	20:43	21:48	22:27	22:05	20:56	19:30	18:08	15:59	17 09:59 (13)	15:35 19 10:11 (13)
21	08:47	10:06 (13)	07:40	06:25	05:59	04:50	04:21	04:54	05:57	07:03	08:08	08:19	09:02 (13)	09:05 09:53 (13)
	16:21	18 10:24 (13)	17:33	18:37	20:45	21:50	22:28	22:03	20:53	19:27	18:05	15:57	18 10:00 (13)	15:36 19 10:12 (13)
22	08:46	10:07 (13)	07:38	06:22	05:56	04:48	04:21	04:55	05:59	07:05	08:11	08:21	09:01 (13)	09:05 09:53 (13)
	16:23	17 10:24 (13)	17:36	18:39	20:48	21:52	22:28	22:01	20:50	19:25	18:03	15:55	20 10:01 (13)	15:36 19 10:12 (13)
23	08:44	10:08 (13)	07:35	06:19	05:54	04:46	04:21	04:57	06:02	07:07	08:13	08:23	09:00 (13)	09:06 09:54 (13)
	16:25	15 10:23 (13)	17:38	18:41	20:50	21:53	22:28	21:59	20:48	19:22	18:00	15:54	21 10:01 (13)	15:37 19 10:13 (13)
24	08:42	10:10 (13)	07:33	06:16	05:51	04:45	04:21	04:59	06:04	07:09	08:15	08:25	09:01 (13)	09:06 09:54 (13)
	16:27	11 10:21 (13)	17:40	18:43	20:52	21:55	22:28	21:58	20:45	19:19	17:58	15:52	22 10:03 (13)	15:37 19 10:13 (13)
25	08:41	10:13 (13)	07:30	06:13	05:49	04:43	04:22	05:01	06:06	07:12	08:18	08:27	09:00 (13)	09:07 09:54 (13)
	16:30	6 10:19 (13)	17:43	18:46	20:54	21:57	22:28	21:56	20:42	19:16	16:55	15:51	23 10:03 (13)	15:38 20 10:14 (13)
26	08:39		07:27	06:10	05:46	04:41	04:22	05:03	06:08	07:14	08:20	08:29	09:01 (13)	09:07 09:55 (13)
	16:32		17:45	18:48	20:56	21:59	22:28	21:54	20:40	19:13	16:52	15:49	23 10:04 (13)	15:39 19 10:14 (13)
27	08:37		07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	08:22	08:31	09:01 (13)	09:07 09:55 (13)
	16:34		17:47	18:50	20:59	22:01	22:28	21:52	20:37	19:11	16:50	15:48	23 10:04 (13)	15:40 20 10:15 (13)
28	08:35		07:22	06:05	05:41	04:38	04:23	05:07	06:12	07:18	08:24	08:33	09:01 (13)	09:07 09:55 (13)
	16:37		17:50	18:52	21:01	22:02	22:27	21:50	20:34	19:08	16:48	15:47	24 10:05 (13)	15:41 20 10:15 (13)
29	08:33			07:02	05:39	04:37	04:24	05:09	06:14	07:20	08:27	08:35	09:01 (13)	09:07 09:56 (13)
	16:39			19:55	21:03	22:04	22:27	21:48	20:32	19:05	16:45	15:45	24 10:05 (13)	15:42 20 10:16 (13)
30	08:31			06:59	05:36	04:35	04:25	05:11	06:17	07:22	08:29	08:37	09:02 (13)	09:07 09:57 (13)
	16:41			19:57	21:05	22:06	22:27	21:46	20:29	19:02	16:43	15:44	24 10:06 (13)	15:43 20 10:17 (13)
31	08:29			06:56		04:34		05:13	06:19		07:31		09:07	09:56 (13)
	16:43			19:59		22:07		21:44	20:26		16:40		15:44	21 10:17 (13)
Potential sun hours	227		262	365	430	516	539	539	475	386	321	241	207	
Total, worst case		525												649
Sun reduction		0,13												0,13
Oper. time red.		0,93												0,93
Wind dir. red.		0,49												0,49
Total reduction		0,06												0,06
Total, real		32												38

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AJ - Krusteici
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

January		February		March		April		May		June	
1	09:07 15:46		08:27 16:46	(2)	07:20 17:52		06:54 20:01		05:34 21:08		06:03 (1) 22:09
2	09:06 15:47		08:25 16:49	(2)	07:17 17:54		06:51 20:04		05:31 21:10	46	06:01 (1) 22:10
3	09:06 15:48		08:23 16:51	(2)	07:14 17:57		06:48 20:06		05:29 21:12	51	05:58 (1) 22:12
4	09:05 15:50		08:21 16:53	(2)	07:12 17:59		06:46 20:08		05:27 21:14	55	05:56 (1) 22:13
5	09:05 15:51		08:19 16:56	(2)	07:09 18:01		06:43 20:10		05:24 21:16	59	05:54 (1) 22:15
6	09:04 15:53		08:17 16:58	(2)	07:06 18:04		06:40 20:12		05:22 21:19	62	05:53 (1) 22:16
7	09:04 15:54		08:14 17:00	(2)	07:04 18:06		06:37 20:15		05:20 21:21	64	05:53 (1) 22:17
8	09:03 15:56		08:12 17:03	(2)	07:01 18:08		06:35 20:17		05:17 21:23	65	05:53 (1) 22:18
9	09:02 15:58		08:10 17:05	(2)	06:58 18:10		06:32 20:19		05:15 21:25	65	05:53 (1) 22:19
10	09:01 15:59		08:08 17:08	(2)	06:55 18:13		06:29 20:21		05:13 21:27	64	05:54 (1) 22:20
11	09:00 16:01		08:05 17:10	(2)	06:53 18:15		06:26 20:23		05:11 21:29	65	05:54 (1) 22:21
12	08:59 16:03		08:03 17:12	(2)	06:50 18:17		06:24 20:26		05:08 21:31	64	05:55 (1) 22:22
13	08:58 16:05		08:00 17:15	(2)	06:47 18:19	9	07:18 (5) 20:28		05:06 21:34	62	05:56 (1) 22:23
14	08:57 16:07		07:58 17:17		06:44 18:22	15	07:15 (5) 20:30		05:04 21:36	59	05:57 (1) 22:24
15	08:56 16:09		07:56 17:19		06:41 18:24	19	07:13 (5) 20:32		05:02 21:38	57	07:14 (3) 22:25
16	08:55 16:11	9	09:48 (2) 09:57 (2)	07:53 17:22	06:39 18:26	21	07:11 (5) 20:34	8	06:45 (4) 21:40	51	06:27 (3) 22:26
17	08:53 16:13	13	09:46 (2) 09:59 (2)	07:51 17:24	06:36 18:28	23	07:10 (5) 20:37	15	06:41 (4) 21:42	47	06:27 (3) 22:27
18	08:52 16:15	17	09:45 (2) 10:02 (2)	07:48 17:26	06:33 18:30	24	07:09 (5) 20:39	18	06:39 (4) 21:44	46	06:28 (3) 22:28
19	08:50 16:17	20	09:44 (2) 10:04 (2)	07:46 17:29	06:30 18:33	25	07:08 (5) 20:41	20	06:38 (4) 21:46	45	06:28 (3) 22:29
20	08:49 16:19	22	09:43 (2) 10:05 (2)	07:43 17:31	06:28 18:35	26	07:08 (5) 20:43	23	06:36 (4) 21:48	44	06:27 (3) 22:30
21	08:47 16:21	24	09:42 (2) 10:06 (2)	07:41 17:34	06:25 18:37	25	07:07 (5) 20:45	24	06:34 (4) 21:50	43	06:28 (3) 22:31
22	08:46 16:23	26	09:41 (2) 10:07 (2)	07:38 17:36	06:22 18:39	26	07:07 (5) 20:48	25	06:34 (4) 21:52	42	06:28 (3) 22:32
23	08:44 16:26	27	09:41 (2) 10:08 (2)	07:35 17:38	06:19 18:42	25	07:07 (5) 20:50	26	06:34 (4) 21:53	41	06:29 (3) 22:33
24	08:42 16:28	28	09:41 (2) 10:09 (2)	07:33 17:41	06:16 18:44	24	07:07 (5) 20:52	27	06:33 (4) 21:55	40	06:29 (3) 22:34
25	08:41 16:30	30	09:40 (2) 10:10 (2)	07:30 17:43	06:14 18:46	23	07:07 (5) 20:54	30	06:33 (4) 21:57	39	06:30 (3) 22:35
26	08:39 16:32	31	09:40 (2) 10:11 (2)	07:28 17:45	06:11 18:48	20	07:09 (5) 20:57	31	06:34 (4) 21:59	38	06:31 (3) 22:36
27	08:37 16:35	32	09:40 (2) 10:12 (2)	07:25 17:47	06:08 18:50	17	07:10 (5) 20:59	34	06:33 (4) 22:01	37	06:31 (3) 22:37
28	08:35 16:37	32	09:40 (2) 10:12 (2)	07:22 17:50	06:05 18:53	12	07:12 (5) 21:01	34	06:34 (4) 22:02	36	06:32 (3) 22:38
29	08:33 16:39	33	09:39 (2) 10:12 (2)		07:02 19:55		07:24 (5) 21:03	36	07:08 (3) 22:04	35	07:10 (3) 22:39
30	08:31 16:42	33	09:40 (2) 10:13 (2)		07:00 19:57			36	06:34 (4) 22:06		06:32 (3) 22:40
31	08:29 16:44	33	09:40 (2) 10:13 (2)		06:57 19:59			40	06:05 (1) 22:07		06:33 (3) 22:41
Potential sun hours	227		262		365		429		515		539
Total, worst case	410		354		334		391		1560		650
Sun reduction	0,13		0,22		0,37		0,46		0,58		0,53
Oper. time red.	0,93		0,93		0,93		0,93		0,93		0,93
Wind dir. red.	0,58		0,58		0,97		0,98		0,97		0,97
Total reduction	0,07		0,12		0,33		0,42		0,52		0,48
Total, real	29		43		111		164		814		313

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AJ - Krusteici
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	July		August		September		October		November		December	
1	04:26		06:46 (3)	05:15	06:05 (1)	06:21	07:25		07:34		09:15 (2)	08:39
	22:26	22	07:08 (3)	21:41	07:25 (3)	20:24	19:00		16:38	25	09:40 (2)	15:44
2	04:27		06:45 (3)	05:17	06:04 (1)	06:23	07:27		07:36		09:13 (2)	08:41
	22:26	24	07:09 (3)	21:39	07:25 (3)	20:21	18:57		16:36	27	09:40 (2)	15:42
3	04:28		06:45 (3)	05:19	06:04 (1)	06:25	07:29		07:38		09:13 (2)	08:43
	22:25	24	07:09 (3)	21:37	07:25 (3)	20:18	18:54		16:34	29	09:42 (2)	15:41
4	04:29		06:45 (3)	05:22	06:03 (1)	06:27	07:31		07:41		09:12 (2)	08:44
	22:24	25	07:10 (3)	21:35	07:24 (3)	20:15	18:51		16:31	30	09:42 (2)	15:41
5	04:30		06:44 (3)	05:24	06:02 (1)	06:30	07:33		07:43		09:12 (2)	08:46
	22:24	27	07:11 (3)	21:33	07:23 (3)	20:13	18:49		16:29	31	09:43 (2)	15:40
6	04:31		06:44 (3)	05:26	06:02 (1)	06:32	07:35		07:45		09:11 (2)	08:48
	22:23	28	07:12 (3)	21:30	07:23 (3)	20:10	18:46		16:27	32	09:43 (2)	15:39
7	04:32		06:44 (3)	05:28	06:02 (1)	06:34	07:38		07:48		09:11 (2)	08:49
	22:22	29	07:13 (3)	21:28	07:23 (3)	20:07	18:43		16:25	33	09:44 (2)	15:38
8	04:34		06:43 (3)	05:30	06:04 (1)	06:36	07:40		07:50		09:11 (2)	08:51
	22:21	30	07:13 (3)	21:26	07:22 (3)	20:04	18:40		16:22	33	09:44 (2)	15:38
9	04:35		06:43 (3)	05:32	06:06 (1)	06:38	07:42		07:52		09:11 (2)	08:52
	22:20	31	07:14 (3)	21:23	07:22 (3)	20:01	18:38		16:20	33	09:44 (2)	15:37
10	04:36		06:43 (3)	05:34	06:08 (1)	06:40	07:44		07:54		09:11 (2)	08:54
	22:19	32	07:15 (3)	21:21	07:21 (3)	19:59	18:35		16:18	34	09:45 (2)	15:37
11	04:38		06:42 (3)	05:36	06:10 (1)	06:42	07:46		07:57		09:11 (2)	08:55
	22:18	34	07:16 (3)	21:18	07:20 (3)	19:56	18:32		16:16	33	09:44 (2)	15:36
12	04:39		06:42 (3)	05:38	06:12 (1)	06:44	07:49		07:59		09:11 (2)	08:56
	22:16	34	07:16 (3)	21:16	07:19 (3)	19:53	18:29		16:14	34	09:45 (2)	15:36
13	04:41		06:41 (3)	05:41	06:14 (1)	06:46	07:51		08:01		09:11 (2)	08:58
	22:15	36	07:17 (3)	21:14	07:18 (3)	19:50	18:27		16:12	33	09:44 (2)	15:36
14	04:42		06:41 (3)	05:43	06:42 (4)	06:49	07:53		08:04		09:12 (2)	08:59
	22:14	37	07:18 (3)	21:11	07:17 (3)	19:47	18:24		16:10	32	09:44 (2)	15:35
15	04:44		06:40 (3)	05:45	06:41 (4)	06:51	08:02 (5)	07:55	08:06		09:13 (2)	09:00
	22:12	38	07:18 (3)	21:09	07:15 (3)	19:45	18:21		16:08	32	09:45 (2)	15:35
16	04:45		06:41 (3)	05:47	06:41 (4)	06:53	07:59 (5)	07:57	08:08		09:13 (2)	09:01
	22:11	39	07:20 (3)	21:06	07:14 (3)	19:42	18:19		16:06	31	09:44 (2)	15:35
17	04:47		06:40 (3)	05:49	06:40 (4)	06:55	07:58 (5)	08:00	08:10		09:14 (2)	09:02
	22:10	40	07:20 (3)	21:03	07:11 (3)	19:39	18:16		16:04	30	09:44 (2)	15:35
18	04:49		06:40 (3)	05:51	06:40 (4)	06:57	07:56 (5)	08:02	08:13		09:15 (2)	09:03
	22:08	41	07:21 (3)	21:01	07:09 (3)	19:36	18:13		16:02	28	09:43 (2)	15:35
19	04:50		06:39 (3)	05:53	06:40 (4)	06:59	07:55 (5)	08:04	08:15		09:16 (2)	09:03
	22:06	42	07:21 (3)	20:58	07:06 (4)	19:33	18:11		16:01	27	09:43 (2)	15:36
20	04:52		06:39 (3)	05:56	06:40 (4)	07:01	07:54 (5)	08:06	08:17		09:16 (2)	09:04
	22:05	43	07:22 (3)	20:56	07:06 (4)	19:30	18:08		15:59	26	09:42 (2)	15:36
21	04:54		06:39 (3)	05:58	06:40 (4)	07:03	07:53 (5)	08:09	08:19		09:18 (2)	09:05
	22:03	44	07:23 (3)	20:53	07:05 (4)	19:28	18:06		15:57	24	09:42 (2)	15:36
22	04:56		06:38 (3)	06:00	06:40 (4)	07:05	07:52 (5)	08:11	08:21		09:19 (2)	09:05
	22:01	44	07:22 (3)	20:50	07:04 (4)	19:25	18:03		15:56	22	09:41 (2)	15:37
23	04:58		06:38 (3)	06:02	06:41 (4)	07:08	07:52 (5)	08:13	08:23		09:20 (2)	09:06
	21:59	45	07:23 (3)	20:48	07:03 (4)	19:22	18:00		15:54	20	09:40 (2)	15:37
24	05:00		06:39 (3)	06:04	06:42 (4)	07:10	07:51 (5)	08:15	08:25		09:22 (2)	09:06
	21:58	45	07:24 (3)	20:45	07:02 (4)	19:19	17:58		15:53	17	09:39 (2)	15:38
25	05:01		06:38 (3)	06:06	06:43 (4)	07:12	07:51 (5)	07:18	08:27		09:24 (2)	09:07
	21:56	45	07:23 (3)	20:43	07:00 (4)	19:16	18:16 (5)	16:55	15:51	14	09:38 (2)	15:39
26	05:03		06:38 (3)	06:08	06:44 (4)	07:14	07:51 (5)	07:20	08:29		09:27 (2)	09:07
	21:54	46	07:24 (3)	20:40	06:58 (4)	19:14	18:15 (5)	16:53	15:50	9	09:36 (2)	15:39
27	05:05		06:38 (3)	06:10	06:47 (4)	07:16	07:53 (5)	07:22	08:31			09:07
	21:52	46	07:24 (3)	20:37	06:55 (4)	19:11	18:15 (5)	16:50	15:48			15:40
28	05:07		06:38 (3)	06:13		07:18	07:54 (5)	07:25	08:33			09:07
	21:50	47	07:25 (3)	20:34		19:08	18:13 (5)	16:48	15:47			15:41
29	05:09		06:09 (1)	06:15		07:20	07:55 (5)	07:27	08:35			09:07
	21:48	53	07:24 (3)	20:32		19:05	18:11 (5)	16:45	15:46			15:42
30	05:11		06:07 (1)	06:17		07:23	07:57 (5)	07:29	08:37			09:07
	21:46	58	07:24 (3)	20:29		19:02	18:08 (5)	16:43	15:45			15:43
31	05:13		06:06 (1)	06:19				07:31	09:16 (2)			09:07
	21:44	61	07:25 (3)	20:26				16:41	09:38 (2)			15:44
Potential sun hours	538		474		386		321		241			207
Total, worst case	1190		1096		335		52		719			
Sun reduction	0,57		0,55		0,43		0,31		0,15			
Oper. time red.	0,93		0,93		0,93		0,93		0,93			
Wind dir. red.	0,97		0,97		0,97		0,58		0,58			
Total reduction	0,51		0,49		0,39		0,17		0,08			
Total, real	608		538		131		9		60			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AK - Krumini
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December	
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08		04:33 22:09	04:26 22:26	05:15 21:41	06:07 (2) 20:24	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	05:32 21:10	06:08 (2) 6	04:32 22:10	04:27 22:26	05:18 21:39	06:07 (2) 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:49	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	06:05 (2) 13	04:31 22:12	04:28 22:25	05:20 21:37	06:08 (2) 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	06:02 (2) 17	04:30 22:13	04:29 22:24	05:22 21:35	06:08 (2) 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	06:01 (2) 19	04:29 22:14	04:30 22:24	05:24 21:33	06:08 (2) 20:13	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:19	06:00 (2) 21	04:28 22:16	04:31 22:23	05:26 21:30	06:08 (2) 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:01	07:04 18:06	06:37 20:15	05:20 21:21	05:59 (2) 23	04:27 22:17	04:33 22:22	05:28 21:28	06:09 (2) 20:07	07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	05:58 (2) 25	04:26 22:18	04:34 22:21	05:30 21:26	06:10 (2) 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	05:58 (2) 25	04:25 22:19	04:35 22:20	05:32 21:23	06:12 (2) 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:08 17:08	06:55 18:13	06:29 20:21	05:13 21:27	05:57 (2) 27	04:24 22:20	04:36 22:19	05:34 21:21	06:14 (2) 20:00	07:44 18:35	07:54 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	05:11 21:29	05:57 (2) 27	04:24 22:21	04:38 22:18	05:36 21:18	06:42 20:00	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	05:09 21:31	05:56 (2) 28	04:23 22:22	04:39 22:16	05:39 21:16	06:44 20:00	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	05:56 (2) 28	04:23 22:23	04:41 22:15	05:41 21:14	06:47 20:00	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:36	05:56 (2) 28	04:22 22:24	04:42 22:14	05:43 21:11	06:49 20:00	07:53 18:24	08:04 16:10	08:59 15:35
15	08:56 16:09	07:56 17:19	06:42 18:24	06:16 20:32	05:02 21:38	05:56 (2) 28	04:22 22:25	04:44 22:12	05:45 21:09	06:51 20:00	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	05:56 (2) 27	04:22 22:25	04:45 22:11	05:47 21:06	06:53 20:00	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	05:57 (2) 27	04:21 22:26	04:47 22:09	05:49 21:03	06:55 20:00	08:00 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	04:56 21:44	05:57 (2) 26	04:21 22:26	04:49 22:08	05:51 21:01	06:57 20:00	08:02 18:13	08:12 16:03	09:02 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	05:57 (2) 26	04:21 22:27	04:51 22:06	05:53 20:58	06:59 20:00	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	05:58 (2) 25	04:21 22:27	04:52 22:05	06:09 (2) 20:56	07:01 20:00	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	06:00 20:45	04:50 21:50	05:58 (2) 24	04:21 22:27	04:54 22:03	06:09 (2) 20:53	07:03 20:00	08:09 18:06	08:19 15:57	09:05 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:52	05:58 (2) 23	04:22 22:28	04:56 22:01	06:08 (2) 20:50	07:06 20:00	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:42	05:54 20:50	04:47 21:53	05:59 (2) 22	04:22 22:28	04:58 21:59	06:08 (2) 20:48	07:08 20:00	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	05:59 (2) 21	04:22 22:28	05:00 21:58	06:08 (2) 20:45	07:10 20:00	08:15 17:58	08:25 15:53	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:43 21:57	06:01 (2) 19	04:23 22:28	05:02 21:56	06:07 (2) 20:43	07:12 20:00	08:18 16:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:57	04:42 21:59	06:02 (2) 17	04:23 22:28	05:04 21:54	06:08 (2) 20:40	07:14 20:00	08:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:01	06:02 (2) 16	04:24 22:28	05:05 21:52	06:11 (2) 20:37	07:16 20:00	08:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	05:41 21:01	04:39 22:02	06:04 (2) 13	04:24 22:27	05:07 21:50	06:13 (2) 20:34	07:18 20:00	08:25 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	06:05 (2) 11	04:25 22:27	05:09 21:48	06:16 (2) 20:32	07:20 20:00	08:27 16:46	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:37 21:05	04:36 22:06	06:08 (2) 6	04:26 22:27	05:11 21:46	06:16 (2) 20:29	07:23 20:00	08:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:35 22:07	06:14 (2)	22:27	05:13 21:44	06:19 (2) 20:26		07:31 16:41	09:07 15:44	
Potential sun hours	227	262	365	429	515		539	538	474		386	321	241
Total, worst case					618			405	218				207
Sun reduction					0,58			0,57	0,55				
Oper. time red.					0,93			0,93	0,93				
Wind dir. red.					0,93			0,93	0,93				
Total reduction					0,50			0,49	0,47				
Total, real					310			198	103				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AL - Kudlei šī
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:42	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	05:32 21:10	04:32 22:10	04:27 22:26	05:18 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:15	04:30 22:24	05:24 21:33	06:30 20:13	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:19	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:36 18:46	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:01	07:04 18:06	06:37 20:15	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:08 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:55 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	05:09 21:31	04:23 22:22	04:39 22:17	05:39 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:01 17:15	06:47 18:19	06:21 20:28	05:06 21:34	04:23 22:23	04:41 22:15	05:41 21:14	06:47 19:50	07:51 18:27	08:01 16:12	08:58 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:36	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:04 16:10	08:59 15:35
15	08:56 16:09	07:56 17:20	06:42 18:24	06:16 20:32	05:02 21:38	04:22 22:25	04:44 22:13	05:45 21:09	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
16	08:55 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	04:21 22:26	04:47 22:10	05:49 21:04	06:55 19:39	08:00 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:31	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:13 16:03	09:03 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:51 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:31	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	06:00 20:46	04:50 21:50	04:21 22:28	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:05 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:52	04:22 22:28	04:56 22:01	06:00 20:51	07:06 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:36 17:38	06:19 18:42	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:02 21:56	06:06 20:43	07:12 19:16	07:18 16:55	08:27 15:51	09:07 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:57	04:42 21:59	04:23 22:28	05:04 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:30 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:11 20:37	07:16 19:11	07:22 16:50	08:32 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	05:42 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:35	07:18 19:08	07:25 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:46	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:37 21:05	04:36 22:06	04:26 22:27	05:11 21:46	06:17 20:29	07:23 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:44	06:19 20:26		07:32 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AM - Kuikules magazina
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06	08:27	07:19	06:54	05:34	04:33	04:26	05:15	06:21	07:24	07:33	08:39
	15:46	16:46	17:52	20:01	21:07	22:08	22:26	21:41	20:23	18:59	16:38	15:43
2	09:06	08:25	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36	08:41
	15:47	16:48	17:54	20:03	21:09	22:10	22:25	21:39	20:21	18:57	16:36	15:42
3	09:06	08:23	07:14	06:48	05:29	04:31	04:28	05:19	06:25	07:29	07:38	08:42
	15:48	16:51	17:56	20:05	21:12	22:11	22:25	21:37	20:18	18:54	16:33	15:41
4	09:05	08:21	07:11	06:45	05:27	04:30	04:29	05:21	06:27	07:31	07:40	08:44
	15:50	16:53	17:59	20:08	21:14	22:13	22:24	21:34	20:15	18:51	16:31	15:40
5	09:05	08:18	07:09	06:43	05:24	04:28	04:30	05:23	06:29	07:33	07:43	08:46
	15:51	16:55	18:01	20:10	21:16	22:14	22:23	21:32	20:12	18:48	16:29	15:40
6	09:04	08:16	07:06	06:40	05:22	04:27	04:31	05:26	06:32	07:35	07:45	08:47
	15:53	16:58	18:03	20:12	21:18	22:15	22:22	21:30	20:09	18:46	16:27	15:39
7	09:03	08:14	07:03	06:37	05:19	04:27	04:32	05:28	06:34	07:37	07:47	08:49
	15:54	17:00	18:06	20:14	21:20	22:17	22:21	21:28	20:07	18:43	16:24	15:38
8	09:02	08:12	07:00	06:34	05:17	04:26	04:34	05:30	06:36	07:40	07:50	08:50
	15:56	17:03	18:08	20:16	21:22	22:18	22:21	21:25	20:04	18:40	16:22	15:37
9	09:02	08:09	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52	08:52
	15:58	17:05	18:10	20:19	21:25	22:19	22:20	21:23	20:01	18:37	16:20	15:37
10	09:01	08:07	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44	07:54	08:53
	15:59	17:07	18:12	20:21	21:27	22:20	22:18	21:21	19:58	18:35	16:18	15:36
11	09:00	08:05	06:52	06:26	05:10	04:24	04:38	05:36	06:42	07:46	07:56	08:55
	16:01	17:10	18:15	20:23	21:29	22:21	22:17	21:18	19:56	18:32	16:16	15:36
12	08:59	08:02	06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:48	07:59	08:56
	16:03	17:12	18:17	20:25	21:31	22:22	22:16	21:16	19:53	18:29	16:14	15:36
13	08:58	08:00	06:47	06:21	05:06	04:23	04:41	05:40	06:46	07:50	08:01	08:57
	16:05	17:14	18:19	20:27	21:33	22:23	22:15	21:13	19:50	18:26	16:12	15:35
14	08:57	07:58	06:44	06:18	05:04	04:22	04:42	05:43	06:48	07:53	08:03	08:58
	16:07	17:17	18:21	20:30	21:35	22:24	22:13	21:11	19:47	18:24	16:10	15:35
15	08:55	07:55	06:41	06:15	05:02	04:22	04:44	05:45	06:50	07:55	08:05	08:59
	16:09	17:19	18:24	20:32	21:37	22:24	22:12	21:08	19:44	18:21	16:08	15:35
16	08:54	07:53	06:38	06:13	05:00	04:21	04:45	05:47	06:53	07:57	08:08	09:00
	16:11	17:22	18:26	20:34	21:39	22:25	22:11	21:06	19:41	18:18	16:06	15:35
17	08:53	07:50	06:36	06:10	04:58	04:21	04:47	05:49	06:55	07:59	08:10	09:01
	16:13	17:24	18:28	20:36	21:41	22:26	22:09	21:03	19:39	18:16	16:04	15:35
18	08:51	07:48	06:33	06:07	04:56	04:21	04:49	05:51	06:57	08:02	08:12	09:02
	16:15	17:26	18:30	20:38	21:43	22:26	22:08	21:01	19:36	18:13	16:02	15:35
19	08:50	07:45	06:30	06:05	04:54	04:21	04:50	05:53	06:59	08:04	08:14	09:03
	16:17	17:29	18:32	20:41	21:45	22:26	22:06	20:58	19:33	18:11	16:01	15:35
20	08:48	07:43	06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:16	09:04
	16:19	17:31	18:35	20:43	21:47	22:27	22:04	20:55	19:30	18:08	15:59	15:36
21	08:47	07:40	06:24	05:59	04:50	04:21	04:54	05:57	07:03	08:08	08:19	09:04
	16:21	17:33	18:37	20:45	21:49	22:27	22:03	20:53	19:27	18:05	15:57	15:36
22	08:45	07:38	06:22	05:57	04:48	04:21	04:56	06:00	07:05	08:11	08:21	09:05
	16:23	17:36	18:39	20:47	21:51	22:27	22:01	20:50	19:25	18:03	15:56	15:37
23	08:44	07:35	06:19	05:54	04:47	04:22	04:58	06:02	07:07	08:13	08:23	09:05
	16:25	17:38	18:41	20:50	21:53	22:27	21:59	20:48	19:22	18:00	15:54	15:37
24	08:42	07:33	06:16	05:51	04:45	04:22	04:59	06:04	07:09	08:15	08:25	09:06
	16:28	17:40	18:43	20:52	21:55	22:27	21:57	20:45	19:19	17:58	15:52	15:38
25	08:40	07:30	06:13	05:49	04:43	04:22	05:01	06:06	07:12	08:17	08:27	09:06
	16:30	17:43	18:46	20:54	21:57	22:27	21:55	20:42	19:16	16:55	15:51	15:38
26	08:38	07:27	06:11	05:46	04:42	04:23	05:03	06:08	07:14	08:20	08:29	09:06
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27	08:37	07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	08:22	08:31	09:07
	16:34	17:47	18:50	20:58	22:00	22:27	21:51	20:37	19:11	16:50	15:48	15:40
28	08:35	07:22	06:05	05:41	04:39	04:24	05:07	06:12	07:18	08:24	08:33	09:07
	16:37	17:50	18:52	21:01	22:02	22:27	21:49	20:34	19:08	16:48	15:47	15:41
29	08:33		07:02	05:39	04:37	04:25	05:09	06:15	07:20	08:27	08:35	09:07
	16:39		19:54	21:03	22:04	22:27	21:47	20:31	19:05	16:45	15:46	15:42
30	08:31		06:59	05:36	04:36	04:25	05:11	06:17	07:22	08:29	08:37	09:07
	16:41		19:57	21:05	22:05	22:26	21:45	20:29	19:02	16:43	15:45	15:43
31	08:29		06:57		04:34		05:13	06:19		07:31		09:06
	16:44		19:59		22:07		21:43	20:26		16:40		15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AN - Kuikuli

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06	08:27	07:19	06:54	05:34	04:33	04:26	05:15	06:21	07:24	07:33	08:39
	15:46	16:46	17:52	20:01	21:07	22:08	22:26	21:41	20:23	18:59	16:38	15:43
2	09:06	08:25	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36	08:41
	15:47	16:48	17:54	20:03	21:09	22:10	22:25	21:39	20:21	18:57	16:36	15:42
3	09:06	08:23	07:14	06:48	05:29	04:31	04:28	05:19	06:25	07:29	07:38	08:42
	15:48	16:51	17:56	20:05	21:12	22:11	22:25	21:37	20:18	18:54	16:33	15:41
4	09:05	08:21	07:11	06:45	05:27	04:30	04:29	05:21	06:27	07:31	07:40	08:44
	15:50	16:53	17:59	20:08	21:14	22:13	22:24	21:35	20:15	18:51	16:31	15:40
5	09:05	08:18	07:09	06:43	05:24	04:28	04:30	05:24	06:29	07:33	07:43	08:46
	15:51	16:56	18:01	20:10	21:16	22:14	22:23	21:32	20:12	18:48	16:29	15:40
6	09:04	08:16	07:06	06:40	05:22	04:28	04:31	05:26	06:32	07:35	07:45	08:47
	15:53	16:58	18:03	20:12	21:18	22:15	22:22	21:30	20:09	18:46	16:27	15:39
7	09:03	08:14	07:03	06:37	05:19	04:27	04:32	05:28	06:34	07:37	07:47	08:49
	15:54	17:00	18:06	20:14	21:20	22:17	22:22	21:28	20:07	18:43	16:24	15:38
8	09:03	08:12	07:01	06:34	05:17	04:26	04:34	05:30	06:36	07:40	07:50	08:50
	15:56	17:03	18:08	20:16	21:23	22:18	22:21	21:25	20:04	18:40	16:22	15:38
9	09:02	08:10	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52	08:52
	15:58	17:05	18:10	20:19	21:25	22:19	22:20	21:23	20:01	18:37	16:20	15:37
10	09:01	08:07	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44	07:54	08:53
	15:59	17:07	18:12	20:21	21:27	22:20	22:18	21:21	19:58	18:35	16:18	15:36
11	09:00	08:05	06:52	06:26	05:10	04:24	04:38	05:36	06:42	07:46	07:56	08:55
	16:01	17:10	18:15	20:23	21:29	22:21	22:17	21:18	19:56	18:32	16:16	15:36
12	08:59	08:03	06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:48	07:59	08:56
	16:03	17:12	18:17	20:25	21:31	22:22	22:16	21:16	19:53	18:29	16:14	15:36
13	08:58	08:00	06:47	06:21	05:06	04:23	04:41	05:40	06:46	07:50	08:01	08:57
	16:05	17:15	18:19	20:27	21:33	22:23	22:15	21:13	19:50	18:26	16:12	15:35
14	08:57	07:58	06:44	06:18	05:04	04:22	04:42	05:43	06:48	07:53	08:03	08:58
	16:07	17:17	18:21	20:30	21:35	22:24	22:13	21:11	19:47	18:24	16:10	15:35
15	08:55	07:55	06:41	06:15	05:02	04:22	04:44	05:45	06:51	07:55	08:05	08:59
	16:09	17:19	18:24	20:32	21:37	22:24	22:12	21:08	19:44	18:21	16:08	15:35
16	08:54	07:53	06:38	06:13	05:00	04:21	04:45	05:47	06:53	07:57	08:08	09:00
	16:11	17:22	18:26	20:34	21:39	22:25	22:11	21:06	19:42	18:18	16:06	15:35
17	08:53	07:50	06:36	06:10	04:58	04:21	04:47	05:49	06:55	07:59	08:10	09:01
	16:13	17:24	18:28	20:36	21:41	22:26	22:09	21:03	19:39	18:16	16:04	15:35
18	08:51	07:48	06:33	06:07	04:56	04:21	04:49	05:51	06:57	08:02	08:12	09:02
	16:15	17:26	18:30	20:39	21:43	22:26	22:08	21:01	19:36	18:13	16:02	15:35
19	08:50	07:45	06:30	06:05	04:54	04:21	04:50	05:53	06:59	08:04	08:14	09:03
	16:17	17:29	18:32	20:41	21:45	22:26	22:06	20:58	19:33	18:11	16:01	15:36
20	08:48	07:43	06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:17	09:04
	16:19	17:31	18:35	20:43	21:47	22:27	22:04	20:55	19:30	18:08	15:59	15:36
21	08:47	07:40	06:25	05:59	04:50	04:21	04:54	05:57	07:03	08:08	08:19	09:04
	16:21	17:33	18:37	20:45	21:49	22:27	22:03	20:53	19:27	18:05	15:57	15:36
22	08:45	07:38	06:22	05:57	04:48	04:21	04:56	06:00	07:05	08:11	08:21	09:05
	16:23	17:36	18:39	20:47	21:51	22:27	22:01	20:50	19:25	18:03	15:56	15:37
23	08:44	07:35	06:19	05:54	04:47	04:22	04:58	06:02	07:07	08:13	08:23	09:05
	16:26	17:38	18:41	20:50	21:53	22:27	21:59	20:48	19:22	18:00	15:54	15:37
24	08:42	07:33	06:16	05:51	04:45	04:22	04:59	06:04	07:09	08:15	08:25	09:06
	16:28	17:40	18:43	20:52	21:55	22:28	21:57	20:45	19:19	17:58	15:52	15:38
25	08:40	07:30	06:13	05:49	04:43	04:22	05:01	06:06	07:12	07:17	08:27	09:06
	16:30	17:43	18:46	20:54	21:57	22:27	21:55	20:42	19:16	16:55	15:51	15:38
26	08:38	07:27	06:11	05:46	04:42	04:23	05:03	06:08	07:14	07:20	08:29	09:06
	16:32	17:45	18:48	20:56	21:59	22:27	21:53	20:40	19:13	16:53	15:50	15:39
27	08:37	07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	07:22	08:31	09:07
	16:35	17:47	18:50	20:58	22:00	22:27	21:51	20:37	19:11	16:50	15:48	15:40
28	08:35	07:22	06:05	05:41	04:39	04:24	05:07	06:12	07:18	07:24	08:33	09:07
	16:37	17:50	18:52	21:01	22:02	22:27	21:49	20:34	19:08	16:48	15:47	15:41
29	08:33		07:02	05:39	04:37	04:25	05:09	06:15	07:20	07:27	08:35	09:07
	16:39		19:54	21:03	22:04	22:27	21:47	20:31	19:05	16:45	15:46	15:42
30	08:31		06:59	05:36	04:36	04:25	05:11	06:17	07:22	07:29	08:37	09:07
	16:41		19:57	21:05	22:05	22:26	21:45	20:29	19:02	16:43	15:45	15:43
31	08:29		06:57		04:34		05:13	06:19		07:31		09:06
	16:44		19:59		22:07		21:43	20:26		16:40		15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AO - Kizumi
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December	
1	09:06 15:46	08:27 16:46	07:19 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:33 16:38	08:39 15:43	
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:09	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42	
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:05	05:29 21:12	04:31 22:11	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:42 15:41	
4	09:05 15:50	08:21 16:53	07:11 17:59	06:45 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:40 16:31	08:44 15:41	
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:40	
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:22	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:47 15:39	
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:20 21:20	04:27 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:37 18:43	07:47 16:24	08:49 15:38	
8	09:03 15:56	08:12 17:03	07:01 18:08	06:34 20:16	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:50 15:38	
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37	
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:35	07:54 16:18	08:53 15:36	
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12	08:59 16:03	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:23 22:22	05:08 (8) 05:11 (8)	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	05:07 (8) 05:13 (8)	04:41 22:15	05:40 21:13	06:46 19:50	07:51 18:27	08:01 16:12	08:57 15:35
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	05:06 (8) 05:13 (8)	04:42 22:14	05:43 21:11	06:48 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:55 16:09	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:24	05:05 (8) 05:14 (8)	04:44 22:12	05:45 21:08	06:51 19:44	07:55 18:21	08:06 16:08	08:59 15:35
16	08:54 16:11	07:53 17:22	06:38 18:26	06:13 20:34	05:00 21:39	04:21 22:25	05:05 (8) 05:15 (8)	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:18	08:08 16:06	09:00 15:35
17	08:53 16:13	07:50 17:24	06:36 18:28	06:10 20:36	04:58 21:41	04:21 22:26	05:05 (8) 05:16 (8)	04:47 22:09	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:01 15:35
18	08:51 16:15	07:48 17:26	06:33 18:30	06:07 20:39	04:56 21:43	04:21 22:26	05:05 (8) 05:16 (8)	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:45 17:29	06:30 18:32	06:05 20:41	04:54 21:45	04:21 22:27	05:05 (8) 05:17 (8)	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:14 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:47	04:21 22:27	05:05 (8) 05:17 (8)	04:52 22:04	05:55 20:55	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:40 17:33	06:25 18:37	05:59 20:45	04:50 21:49	04:21 22:27	05:05 (8) 05:17 (8)	04:54 22:03	05:58 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:04 15:36
22	08:45 16:23	07:38 17:36	06:22 18:39	05:57 20:47	04:48 21:51	04:21 22:27	05:05 (8) 05:17 (8)	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:28	05:06 (8) 05:18 (8)	04:58 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:05 15:37
24	08:42 16:28	07:33 17:40	06:16 18:44	05:51 20:52	04:45 21:55	04:22 22:28	05:06 (8) 05:17 (8)	04:59 21:57	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:07 (8) 05:18 (8)	05:01 21:55	06:06 20:42	07:12 19:16	07:17 16:55	08:27 15:51	09:06 15:38
26	08:39 16:32	07:27 17:45	06:11 18:48	05:46 20:56	04:42 21:59	04:23 22:27	05:07 (8) 05:17 (8)	05:03 21:54	06:08 20:40	07:14 19:13	07:20 16:53	08:29 15:50	09:06 15:39
27	08:37 16:35	07:25 17:47	06:08 18:50	05:44 20:58	04:40 22:00	04:23 22:27	05:08 (8) 05:18 (8)	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:08 (8) 05:17 (8)	05:07 21:50	06:12 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:54	05:39 21:03	04:37 22:04	04:25 22:27	05:10 (8) 05:16 (8)	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:41		06:59 19:57	05:36 21:05	04:36 22:05	04:25 22:26	05:10 (8) 05:15 (8)	05:11 21:45	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:34 22:07		05:13 21:43	06:19 20:26		07:31 16:40		09:07 15:44	
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207	
Total, worst case							179						
Sun reduction							0,53						
Oper. time red.							0,93						
Wind dir. red.							0,78						
Total reduction							0,39						
Total, real							69						

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AP - Lapskalni
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46	08:27 16:46	07:20 17:52	08:06 (3) 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:42	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	08:06 (3) 20:04	05:31 21:10	04:32 22:10	04:27 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:57	08:06 (3) 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:41
4	09:06 15:50	08:21 16:53	07:12 17:59	08:07 (3) 20:08	05:27 21:14	04:30 22:13	04:29 22:25	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:45 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	08:07 (3) 20:10	05:24 21:16	04:29 22:15	04:30 22:24	05:24 21:33	06:30 20:13	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	08:08 (3) 20:12	05:22 21:19	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:00	07:04 18:06	08:09 (3) 20:15	05:20 21:21	04:27 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	08:11 (3) 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	08:16 (3) 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 15:59	08:08 17:08	06:55 18:13	08:19 (3) 20:21	05:13 21:27	04:24 22:21	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:55 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	08:23 (3) 20:23	05:11 21:29	04:24 22:22	04:38 22:18	05:36 21:19	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	08:24 (3) 20:26	05:08 21:31	04:23 22:22	04:39 22:17	05:38 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:01 17:15	06:47 18:19	08:25 (3) 20:28	05:06 21:34	04:23 22:23	04:41 22:15	05:41 21:14	06:47 19:50	07:51 18:27	08:01 16:12	08:58 15:35
14	08:57 16:07	07:58 17:17	06:44 18:22	08:26 (3) 20:30	05:04 21:36	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:04 16:10	08:59 15:35
15	08:56 16:09	07:56 17:19	06:42 18:24	08:27 (3) 20:32	05:02 21:38	04:22 22:25	04:44 22:13	05:45 21:09	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
16	08:55 16:11	07:53 17:22	06:39 18:26	08:28 (3) 20:34	05:00 21:40	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:04	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	08:29 (3) 20:37	04:58 21:42	04:21 22:26	04:47 22:10	05:49 21:04	06:55 19:39	07:59 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:30	08:30 (3) 20:39	04:56 21:44	04:21 22:27	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:13 16:02	09:03 15:35
19	08:50 16:17	07:46 17:29	06:30 18:33	08:31 (3) 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	08:32 (3) 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:31	08:06 18:08	08:17 16:00	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	08:33 (3) 20:46	04:50 21:50	04:21 22:28	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 16:00	09:05 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	08:34 (3) 20:48	04:48 21:52	04:21 22:28	04:56 22:01	06:00 20:51	07:06 19:25	08:11 18:03	08:21 16:00	09:05 15:37
23	08:44 16:26	07:36 17:38	06:19 18:42	08:35 (3) 20:50	04:47 21:54	04:22 22:28	04:58 22:00	06:02 20:48	07:08 19:22	08:13 18:00	08:23 16:00	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	08:36 (3) 20:52	04:45 21:55	04:22 22:28	05:00 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 16:00	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	08:37 (3) 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:43	07:12 19:16	08:18 17:55	08:28 16:00	09:07 15:38
26	08:39 16:32	07:28 17:45	06:11 18:48	08:38 (3) 20:57	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 19:14	08:20 17:53	08:30 16:00	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	08:39 (3) 21:01	04:40 22:01	04:24 22:28	05:05 21:52	06:10 20:37	07:16 19:11	08:22 17:50	08:32 16:00	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	08:40 (3) 21:03	04:39 22:02	04:24 22:28	05:07 21:50	06:13 20:35	07:18 19:08	08:25 17:48	08:34 16:00	09:07 15:41
29	08:33 16:39	07:20 19:55	06:02 19:55	08:41 (3) 21:05	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	08:28 17:45	08:35 16:00	09:07 15:42
30	08:31 16:42	07:17 19:57	05:59 19:57	08:42 (3) 21:07	04:36 22:06	04:26 22:27	05:11 21:46	06:17 20:29	07:23 19:02	08:30 17:43	08:37 16:00	09:07 15:43
31	08:29 16:44	07:14 20:00	05:57 20:00	08:43 (3) 21:09	04:34 22:07	04:27 22:27	05:13 21:44	06:19 20:26	07:32 19:02	08:34 17:41	08:39 16:00	09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case		171	176							357		
Sun reduction		0,22	0,37							0,31		
Oper. time red.		0,93	0,93							0,93		
Wind dir. red.		0,88	0,88							0,88		
Total reduction		0,18	0,30							0,25		
Total, real		31	53							89		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AQ - Leinieki
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:42	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	05:32 21:10	04:32 22:10	04:27 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:41
4	09:06 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:25	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:45 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:15	04:30 22:24	05:24 21:33	06:30 20:13	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:19	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:36 18:46	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:00	07:04 18:06	06:37 20:15	05:20 21:21	04:27 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:20	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 15:59	08:08 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:21	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:55 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	05:11 21:29	04:24 22:22	04:38 22:18	05:36 21:19	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	05:08 21:32	04:23 22:23	04:39 22:17	05:38 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:01 17:15	06:47 18:19	06:21 20:28	05:06 21:34	04:23 22:23	04:41 22:15	05:41 21:14	06:47 19:50	07:51 18:27	08:01 16:12	08:58 15:35
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:36	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:04 16:10	08:59 15:35
15	08:56 16:09	07:56 17:19	06:42 18:24	06:15 20:32	05:02 21:38	04:22 22:25	04:44 22:13	05:45 21:09	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
16	08:55 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:21 22:26	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	04:21 22:26	04:47 22:10	05:49 21:04	06:55 19:39	08:00 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:31	06:07 20:39	04:56 21:44	04:21 22:27	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:13 16:02	09:03 15:35
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:50 22:07	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:31	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	05:59 20:46	04:50 21:50	04:21 22:28	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	05:57 20:48	04:48 21:52	04:21 22:28	04:56 22:01	06:00 20:51	07:06 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:36 17:38	06:19 18:42	05:54 20:50	04:47 21:54	04:22 22:28	04:58 22:00	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:58	06:04 20:45	07:10 19:19	08:16 17:58	08:26 15:53	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:43	07:12 19:16	07:18 18:55	08:28 15:51	09:07 15:38
26	08:39 16:32	07:28 17:45	06:11 18:48	05:46 20:57	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 19:14	07:20 18:53	08:30 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:11	07:22 18:50	08:32 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	05:41 21:01	04:39 22:03	04:24 22:28	05:07 21:50	06:13 20:35	07:18 19:08	07:25 18:48	08:34 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 18:45	08:36 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:36 21:05	04:36 22:06	04:25 22:27	05:11 21:46	06:17 20:29	07:23 19:02	07:29 18:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:34 22:07		05:13 21:44	06:19 20:26		07:32 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AR - Lielkuikuli
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:19 17:52	06:54 20:01	05:34 21:07	04:33 22:08	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:33 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:09	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:56	06:48 20:05	05:29 21:12	04:31 22:11	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:42 15:41
4	09:05 15:50	08:21 16:53	07:11 17:59	06:45 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:40 16:31	08:44 15:40
5	09:05 15:51	08:18 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:14	04:30 22:23	05:24 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:28 22:15	04:31 22:22	05:26 21:30	06:32 20:09	07:35 18:46	07:45 16:27	08:47 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:19 21:20	04:27 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:34 20:16	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:50 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:18	05:34 21:21	06:40 19:58	07:44 18:35	07:54 16:18	08:53 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:24 22:21	04:38 22:17	05:36 21:18	06:42 19:56	07:46 18:32	07:56 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:27	05:06 21:33	04:23 22:23	04:41 22:15	05:40 21:13	06:46 19:50	07:50 18:26	08:01 16:12	08:57 15:35
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:13	05:43 21:11	06:48 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:55 16:09	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:24	04:44 22:12	05:45 21:08	06:50 19:44	07:55 18:21	08:05 16:08	08:59 15:35
16	08:54 16:11	07:53 17:22	06:38 18:26	06:13 20:34	05:00 21:39	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:41	07:57 18:18	08:08 16:06	09:00 15:35
17	08:53 16:13	07:50 17:24	06:36 18:28	06:10 20:36	04:58 21:41	04:21 22:26	04:47 22:09	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:01 15:35
18	08:51 16:15	07:48 17:26	06:33 18:30	06:07 20:39	04:56 21:43	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:45 17:29	06:30 18:32	06:05 20:41	04:54 21:45	04:21 22:26	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:14 16:01	09:03 15:36
20	08:48 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:47	04:21 22:27	04:52 22:04	05:55 20:55	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:40 17:33	06:25 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:04 15:36
22	08:45 16:23	07:38 17:36	06:22 18:39	05:57 20:47	04:48 21:51	04:21 22:27	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:27	04:58 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:05 15:37
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27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:58	04:40 22:00	04:23 22:27	05:05 21:51	06:10 20:37	07:16 19:11	07:22 18:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:49	06:12 20:34	07:18 19:08	07:24 18:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:54	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:47	06:15 20:31	07:20 19:05	07:27 18:45	08:35 15:46	09:07 15:42
30	08:31 16:41		06:59 19:57	05:36 21:05	04:36 22:05	04:25 22:26	05:11 21:45	06:17 20:29	07:22 19:02	07:29 18:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:34 22:07		05:13 21:43	06:19 20:26		07:31 16:40		09:06 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AS - Lielspringi
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:45	08:27 16:46	15:18 (13) 17:52	07:19 20:01	06:54 21:07	05:33 22:09	04:33 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:33 16:38	08:39 15:43
2	09:06 15:46	08:25 16:48	15:19 (13) 17:54	07:17 20:03	06:51 21:10	05:31 22:10	04:31 22:26	05:17 21:39	06:23 20:21	07:26 18:56	07:36 16:35	08:41 15:42
3	09:06 15:48	08:23 16:50	15:20 (13) 17:14	07:14 20:05	06:48 21:12	05:29 22:12	04:30 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	09:05 15:49	08:21 16:53	15:20 (13) 17:11	07:11 20:08	06:45 21:14	05:26 22:13	04:29 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:40 16:31	14:55 (13) 15:06 (13)
5	09:05 15:51	08:19 16:55	15:22 (13) 17:09	07:09 20:10	06:42 21:16	05:24 22:14	04:28 22:24	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:28	14:54 (13) 15:09 (13)
6	09:04 15:52	08:16 16:58	15:23 (13) 17:06	07:06 20:12	06:40 21:18	05:21 22:16	04:27 22:23	05:25 21:30	06:31 20:09	07:35 18:45	07:45 16:26	14:52 (13) 15:10 (13)
7	09:03 15:54	08:14 17:00	15:26 (13) 17:03	07:03 20:14	06:37 21:20	05:19 22:17	04:26 22:22	05:27 21:28	06:33 20:07	07:37 18:43	07:47 16:24	14:51 (13) 15:11 (13)
8	09:03 15:55	08:12 17:02	15:36 (13) 18:05	07:00 20:16	06:34 21:23	05:17 22:18	04:33 22:21	05:29 21:25	06:36 20:04	07:39 18:40	07:50 16:22	14:50 (13) 15:11 (13)
9	09:02 15:57	08:10 17:05	18:08 20:19	06:58 21:25	06:31 22:19	05:15 22:20	04:34 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	14:50 (13) 15:13 (13)
10	09:01 15:59	08:07 17:07	18:10 20:21	06:55 21:27	06:29 22:20	05:12 22:19	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:34	07:54 16:18	14:50 (13) 15:14 (13)
11	09:00 16:01	08:05 17:09	18:12 20:23	06:52 21:29	06:26 22:21	05:10 22:18	04:37 22:18	05:36 21:18	06:42 19:55	07:46 18:32	07:57 16:15	14:49 (13) 15:13 (13)
12	08:59 16:02	08:03 17:12	18:14 20:25	06:49 21:31	06:23 22:22	05:08 22:16	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:13	14:49 (13) 15:14 (13)
13	08:58 16:04	08:00 17:14	18:17 20:27	06:47 21:33	06:20 22:23	05:06 22:15	04:40 21:13	05:40 21:06	06:46 19:50	07:50 18:26	08:01 16:11	14:49 (13) 15:14 (13)
14	08:57 16:06	08:04 17:17	18:19 20:30	06:44 21:35	06:18 22:24	05:04 22:14	04:42 21:11	05:42 21:06	06:48 19:47	07:53 18:24	08:03 16:09	14:49 (13) 15:14 (13)
15	08:56 16:08	08:06 17:19	18:21 20:32	06:41 21:37	06:15 22:25	05:01 22:12	04:43 21:08	05:44 21:08	06:50 19:44	07:55 18:21	08:06 16:07	14:49 (13) 15:14 (13)
16	08:54 16:10	15:24 (13) 17:21	18:23 20:34	06:38 21:40	06:12 22:25	04:59 22:11	04:45 21:06	05:46 21:06	06:52 19:41	07:57 18:18	08:08 16:06	14:50 (13) 15:14 (13)
17	08:53 16:12	15:21 (13) 17:24	18:26 20:36	06:36 21:42	06:10 22:26	04:57 22:09	04:46 21:03	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	14:51 (13) 15:14 (13)
18	08:52 16:14	15:20 (13) 17:26	18:28 20:39	06:33 21:44	06:07 22:26	04:55 22:08	04:48 21:01	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	14:51 (13) 15:14 (13)
19	08:50 16:16	15:19 (13) 17:28	18:30 20:41	06:30 21:46	06:04 22:27	04:53 22:06	04:40 21:05	05:53 21:05	06:59 19:33	08:04 18:10	08:14 16:00	14:51 (13) 15:13 (13)
20	08:49 16:19	15:19 (13) 17:31	18:32 20:43	06:27 21:48	06:02 22:27	04:52 22:06	04:40 21:05	05:55 21:05	07:01 19:30	08:06 18:08	08:17 15:58	14:52 (13) 15:13 (13)
21	08:47 16:21	15:18 (13) 17:33	18:35 20:45	06:24 21:49	05:59 22:27	04:50 22:03	04:41 21:03	05:57 21:03	07:03 19:27	08:08 18:05	08:19 15:57	14:53 (13) 15:13 (13)
22	08:45 16:23	15:17 (13) 17:35	18:37 20:47	06:22 21:51	05:56 22:28	04:48 22:01	04:41 21:01	05:59 21:01	07:05 19:24	08:11 18:03	08:21 15:55	14:55 (13) 15:12 (13)
23	08:44 16:25	15:17 (13) 17:35	18:39 20:47	06:19 21:53	05:54 22:28	04:46 21:59	04:41 21:01	06:01 20:48	07:07 19:22	08:13 18:00	08:23 15:54	14:55 (13) 15:11 (13)
24	08:42 16:27	15:17 (13) 17:40	18:41 20:51	06:16 21:52	05:51 22:28	04:44 21:57	04:41 21:01	06:04 20:45	07:09 19:19	08:15 17:57	08:25 15:52	14:57 (13) 15:11 (13)
25	08:40 16:30	15:17 (13) 17:42	18:43 20:52	06:13 21:55	05:49 22:28	04:43 21:57	04:42 21:01	06:06 20:42	07:11 19:16	08:17 17:17	08:27 15:51	14:59 (13) 15:11 (13)
26	08:39 16:32	15:17 (13) 17:45	18:46 20:54	06:10 21:57	05:46 22:28	04:41 21:54	04:42 21:01	06:08 20:40	07:14 19:13	08:18 17:14	08:29 16:52	15:01 (13) 15:07 (13)
27	08:37 16:34	15:17 (13) 17:47	18:48 20:56	06:08 21:59	05:43 22:28	04:40 21:52	04:43 21:01	06:10 20:37	07:16 19:10	08:22 17:12	08:31 16:50	15:01 (13) 15:07 (13)
28	08:35 16:36	15:16 (13) 17:49	18:50 21:01	06:05 21:59	05:41 22:27	04:38 21:50	04:43 21:01	06:12 20:34	07:18 19:08	08:24 17:18	08:33 16:47	15:01 (13) 15:07 (13)
29	08:33 16:39	15:17 (13) 17:50	18:52 21:02	06:03 21:59	05:39 22:27	04:37 21:48	04:44 21:01	06:14 20:31	07:20 19:05	08:27 17:14	08:35 16:45	15:01 (13) 15:07 (13)
30	08:31 16:41	15:17 (13) 17:51	18:54 21:03	06:01 21:57	05:36 22:26	04:35 21:46	04:45 21:01	06:16 20:29	07:22 19:02	08:29 17:12	08:37 16:43	15:01 (13) 15:07 (13)
31	08:29 16:43	15:18 (13) 17:53	18:56 21:04	06:00 21:59	05:34 22:27	04:34 21:43	04:46 21:01	06:19 20:26	07:31 16:40	08:31 17:12	08:37 16:43	15:01 (13) 15:07 (13)
Potential sun hours	227	262	365	429	516	539	539	475	386	321	241	207
Total, worst case	319	132										453
Sun reduction	0,13	0,22										0,15
Oper. time red.	0,93	0,93										0,93
Wind dir. red.	0,69	0,69										0,69
Total reduction	0,08	0,14										0,10
Total, real	27	19										45

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AT - Liepavoti
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:16 21:41	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	05:32 21:10	04:32 22:10	04:27 22:26	05:18 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:49	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:33	06:30 20:13	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:04 15:55	08:14 17:01	07:04 18:06	06:37 20:15	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:25 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:54 15:37
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12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	05:09 21:31	04:23 22:22	04:39 22:16	05:39 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
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14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:36	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:04 16:10	08:59 15:36
15	08:56 16:09	07:56 17:20	06:42 18:24	06:16 20:32	05:02 21:38	04:22 22:25	04:44 22:12	05:45 21:08	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:46 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	04:22 22:26	04:47 22:09	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:03	09:02 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:51 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:31	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	06:00 20:45	04:50 21:50	04:21 22:27	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:05 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:51	04:22 22:28	04:56 22:01	06:00 20:50	07:06 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:42	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:44 21:57	04:23 22:28	05:02 21:56	06:06 20:43	07:12 19:16	07:18 18:55	08:27 15:51	09:06 15:39
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27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:01	04:24 22:28	05:06 21:52	06:11 20:37	07:16 19:11	07:22 18:50	08:31 15:49	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	05:42 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:25 18:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 18:46	08:35 15:46	09:07 15:42
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31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:44	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AU - Lojas

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:42	06:21 20:24	07:25 19:00	07:34 16:38	08:10 (1) 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:04	05:31 21:10	04:32 22:10	04:27 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:10 (1) 15:42
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:13 (1) 15:41
4	09:06 15:50	08:21 16:53	08:53 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:15 (1) 15:40
5	09:05 15:51	08:19 16:56	08:50 (1) 18:01	07:09 20:10	06:43 21:16	05:24 22:15	04:28 22:24	05:24 21:33	06:30 20:13	07:33 18:49	07:43 16:29	08:18 (1) 15:40
6	09:04 15:53	08:17 16:58	08:48 (1) 18:04	07:06 20:12	06:40 21:19	05:22 22:16	04:27 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:21 (1) 15:39
7	09:04 15:54	08:14 17:00	08:45 (1) 18:06	07:04 20:15	06:37 21:21	05:20 22:17	04:26 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:24	08:23 (1) 15:38
8	09:03 15:56	08:12 17:03	08:43 (1) 18:08	07:01 20:17	06:35 21:23	05:17 22:18	04:33 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37
9	09:02 15:58	08:10 17:05	08:40 (1) 18:10	06:58 20:19	06:32 21:25	05:15 22:20	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:08 17:07	08:41 (1) 18:13	06:55 20:21	06:29 21:27	05:13 22:21	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:55 16:18	08:54 15:36
11	09:00 16:01	08:05 17:10	08:41 (1) 18:15	06:53 20:23	06:26 21:29	05:10 22:22	04:38 22:18	05:36 21:19	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	08:42 (1) 18:17	06:50 20:26	06:24 21:32	05:08 22:23	04:39 22:17	05:38 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:01 17:15	08:43 (1) 18:19	06:47 20:28	06:21 21:34	05:06 22:23	04:40 22:15	05:40 21:14	06:46 19:50	07:51 18:27	08:01 16:12	08:58 15:35
14	08:57 16:07	07:58 17:17	08:45 (1) 18:22	06:44 20:30	06:18 21:36	05:04 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:04 16:10	08:59 15:35
15	08:56 16:09	07:56 17:19	08:53 (1) 18:24	06:41 20:32	06:15 21:38	05:02 22:25	04:44 22:13	05:45 21:09	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
16	08:55 16:11	07:53 17:22	08:55 (1) 18:26	06:39 20:34	06:13 21:40	05:00 22:26	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	08:53 (1) 18:28	06:36 20:37	06:10 21:42	04:58 22:26	04:47 22:10	05:49 21:04	06:55 19:39	08:00 18:16	08:00 16:04	09:02 15:35
18	08:52 16:15	07:48 17:26	08:52 (1) 18:30	06:33 20:39	06:07 21:44	04:56 22:27	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:13 16:02	09:03 15:35
19	08:50 16:17	07:46 17:29	08:50 (1) 18:33	06:30 20:41	06:05 21:46	04:54 22:27	04:50 22:07	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:35
20	08:49 16:19	07:43 17:31	08:49 (1) 18:35	06:28 20:43	06:02 21:48	04:52 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:33	08:47 (1) 18:37	06:25 20:46	05:59 21:50	04:50 22:28	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:05	08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 17:36	08:46 (1) 18:39	06:22 20:48	05:57 21:52	04:48 22:28	04:56 22:01	06:00 20:51	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:36 17:38	08:44 (1) 18:42	06:19 20:50	05:54 21:54	04:47 22:28	04:58 22:00	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	08:42 (1) 18:44	06:16 20:52	05:52 21:55	04:45 22:28	04:59 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:52	09:06 15:38
25	08:41 16:30	07:30 17:43	08:41 (1) 18:46	06:14 20:54	05:49 21:57	04:43 22:28	05:01 21:56	06:06 20:43	07:12 19:16	07:18 16:55	08:28 15:51	09:07 15:38
26	08:39 16:32	07:28 17:45	08:39 (1) 18:48	06:11 20:57	05:46 21:59	04:42 22:28	05:03 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:30 15:50	09:07 15:39
27	08:37 16:35	07:25 17:47	08:37 (1) 18:50	06:08 20:59	05:44 22:01	04:40 22:28	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:32 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	08:35 (1) 18:53	06:05 21:01	05:41 22:03	04:39 22:28	05:07 21:50	06:13 20:35	07:18 19:08	07:25 16:48	08:34 15:47	09:07 15:41
29	08:33 16:39		08:33 (1) 19:02	06:02 21:03	05:39 22:04	04:37 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:41		08:31 (1) 19:07	05:55 21:05	05:36 22:06	04:36 22:27	05:11 21:46	06:17 20:29	07:23 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		08:29 (1) 19:09	06:57 21:59	04:34 22:07	04:34 22:07	05:13 21:44	06:19 20:26	07:32 16:41	07:32 16:41	08:10 (1) 15:44	09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case		119								54	68	
Sun reduction		0,22								0,31	0,15	
Oper. time red.		0,93								0,93	0,93	
Wind dir. red.		0,79								0,79	0,79	
Total reduction		0,16								0,22	0,11	
Total, real		19								12	8	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AV - Mazjesperi
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:19 17:52	06:54 20:01	05:34 21:07	04:33 22:08	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:33 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:09	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:20	07:26 18:57	07:36 16:36	08:40 15:42
3	09:05 15:48	08:23 16:51	07:14 17:56	06:48 20:05	05:29 21:12	04:31 22:11	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:42 15:41
4	09:05 15:50	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	04:29 22:13	04:29 22:24	05:21 21:34	06:27 20:15	07:31 18:51	07:40 16:31	08:44 15:40
5	09:04 15:51	08:18 16:55	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:14	04:30 22:23	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:27 22:15	04:31 22:22	05:25 21:30	06:31 20:09	07:35 18:45	07:45 16:26	08:47 15:39
7	09:03 15:54	08:14 17:00	07:03 18:05	06:37 20:14	05:19 21:20	04:26 22:17	04:32 22:21	05:28 21:28	06:34 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:02 15:56	08:12 17:03	07:00 18:08	06:34 20:16	05:17 21:22	04:26 22:18	04:33 22:20	05:30 21:25	06:36 20:04	07:39 18:40	07:49 16:22	08:50 15:37
9	09:02 15:57	08:09 17:05	06:58 18:10	06:31 20:19	05:15 21:25	04:25 22:19	04:35 22:19	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:18	05:34 21:20	06:40 19:58	07:44 18:34	07:54 16:18	08:53 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:23 22:21	04:37 22:17	05:36 21:18	06:42 19:55	07:46 18:32	07:56 16:16	08:55 15:36
12	08:59 16:03	08:02 17:12	06:49 18:17	06:23 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:14	06:47 18:19	06:21 20:27	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:50 18:26	08:01 16:12	08:57 15:35
14	08:56 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:23	04:42 22:13	05:42 21:11	06:48 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:55 16:09	07:55 17:19	06:41 18:23	06:15 20:32	05:02 21:37	04:22 22:24	04:44 22:12	05:45 21:08	06:50 19:44	07:55 18:21	08:05 16:08	08:59 15:35
16	08:54 16:11	07:53 17:21	06:38 18:26	06:12 20:34	05:00 21:39	04:21 22:25	04:45 22:11	05:47 21:06	06:52 19:41	07:57 18:18	08:08 16:06	09:00 15:35
17	08:53 16:13	07:50 17:24	06:36 18:28	06:10 20:36	04:58 21:41	04:21 22:25	04:47 22:09	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:01 15:35
18	08:51 16:15	07:48 17:26	06:33 18:30	06:07 20:38	04:56 21:43	04:21 22:26	04:49 22:07	05:51 21:00	06:57 19:36	08:01 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:45 17:29	06:30 18:32	06:04 20:41	04:54 21:45	04:21 22:26	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:10	08:14 16:00	09:03 15:35
20	08:48 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:47	04:21 22:27	04:52 22:04	05:55 20:55	07:01 19:30	08:06 18:08	08:16 15:59	09:04 15:36
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:04 15:36
22	08:45 16:23	07:38 17:36	06:22 18:39	05:57 20:47	04:48 21:51	04:21 22:27	04:56 22:01	06:00 20:50	07:05 19:25	08:10 18:03	08:21 15:55	09:05 15:37
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:49	04:47 21:53	04:21 22:27	04:57 21:59	06:02 20:47	07:07 19:22	08:13 18:00	08:23 15:54	09:05 15:37
24	08:42 16:28	07:32 17:40	06:16 18:43	05:51 20:52	04:45 21:55	04:22 22:27	04:59 21:57	06:04 20:45	07:09 19:19	08:15 17:58	08:25 15:52	09:06 15:38
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:27	05:01 21:55	06:06 20:42	07:12 19:16	07:17 18:00	08:27 15:51	09:06 15:38
26	08:38 16:32	07:27 17:45	06:10 18:48	05:46 20:56	04:42 21:58	04:23 22:27	05:03 21:53	06:08 20:39	07:14 19:13	07:20 18:00	08:29 16:53	09:06 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:58	04:40 22:00	04:23 22:27	05:05 21:51	06:10 20:37	07:16 19:10	07:22 18:00	08:31 16:50	09:06 15:40
28	08:35 16:37	07:22 17:49	06:05 18:52	05:41 21:01	04:38 22:02	04:24 22:27	05:07 21:49	06:12 20:34	07:18 19:08	07:24 18:00	08:33 16:48	09:07 15:41
29	08:33 16:39		07:02 19:54	05:39 21:03	04:37 22:04	04:24 22:27	05:09 21:47	06:14 20:31	07:20 19:05	07:26 18:00	08:35 16:45	09:07 15:42
30	08:31 16:41		06:59 19:57	05:36 21:05	04:36 22:05	04:25 22:26	05:11 21:45	06:17 20:29	07:22 19:02	07:29 18:00	08:37 16:43	09:06 15:43
31	08:29 16:44		06:56 19:59		04:34 22:07		05:13 21:43	06:19 20:26		07:31 16:40		09:06 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AW - Mazkaleji
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December	
1	09:07 15:46	08:27 16:46	07:20 17:52	08:30 (3) 09:03 (3)	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:42	06:21 20:24	07:25 19:00	08:08 (4) 16:38	07:34 15:43
2	09:06 15:47	08:25 16:49	07:17 17:54	08:30 (3) 09:02 (3)	06:51 20:04	05:31 21:10	04:32 22:10	04:27 22:26	05:17 21:39	06:23 20:21	07:27 18:57	08:08 (4) 16:36	07:36 15:42
3	09:06 15:48	08:23 16:51	07:14 17:57	08:30 (3) 09:01 (3)	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	08:08 (4) 16:34	07:38 15:41
4	09:06 15:50	08:21 16:53	07:12 17:59	08:32 (3) 09:01 (3)	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:27 20:15	07:31 18:51	08:08 (4) 16:31	07:41 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	07:38 (4) 08:59 (3)	06:43 20:10	05:24 21:16	04:28 22:15	04:30 22:24	05:24 21:33	06:30 20:13	07:33 18:49	08:08 (4) 16:29	07:43 15:40
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7	09:04 15:54	08:14 17:00	07:04 18:06	07:33 (4) 08:54 (3)	06:37 20:15	05:20 21:21	04:27 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:38 18:43	08:11 (4) 16:24	07:48 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	07:32 (4) 08:51 (3)	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40	08:12 (4) 16:22	07:50 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	07:31 (4) 07:53 (4)	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	08:15 (4) 16:20	07:52 15:37
10	09:01 15:59	08:08 17:08	06:55 18:13	07:30 (4) 07:53 (4)	06:29 20:21	05:13 21:27	04:24 22:21	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	09:05 (3) 16:18	07:55 15:36
11	09:00 16:01	08:05 17:10	06:53 18:15	07:30 (4) 07:53 (4)	06:26 20:23	05:11 21:29	04:24 22:22	04:38 22:18	05:36 21:18	06:42 19:56	07:46 18:32	09:05 (3) 16:16	07:57 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	07:29 (4) 07:53 (4)	06:24 20:26	05:08 21:31	04:23 22:22	04:39 22:17	05:38 21:16	06:44 19:53	07:49 18:29	09:04 (3) 16:14	07:59 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	07:29 (4) 07:52 (4)	06:21 20:28	05:06 21:34	04:23 22:23	04:41 22:15	05:41 21:14	06:46 19:50	07:51 18:27	09:03 (3) 16:12	08:01 15:35
14	08:57 16:07	07:58 17:17	06:44 18:22	07:30 (4) 07:52 (4)	06:18 20:30	05:04 21:36	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	09:03 (3) 16:10	08:04 15:35
15	08:56 16:09	07:56 17:19	06:41 18:24	07:30 (4) 07:51 (4)	06:15 20:32	05:02 21:38	04:22 22:25	04:44 22:13	05:45 21:09	06:51 19:45	07:55 18:21	09:02 (3) 16:08	08:06 15:35
16	08:55 16:11	07:53 17:22	06:39 18:26	07:30 (4) 08:58 (3)	06:13 20:34	05:00 21:40	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	09:01 (3) 16:06	08:08 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	08:36 (3) 09:00 (3)	06:36 20:37	04:58 21:42	04:21 22:26	04:47 22:10	05:49 21:03	06:55 19:39	07:59 18:16	09:02 (3) 16:04	08:10 15:35
18	08:52 16:15	07:48 17:26	06:33 18:30	08:35 (3) 09:01 (3)	06:33 20:39	04:56 21:44	04:21 22:27	04:49 22:08	05:51 21:01	06:57 19:36	07:29 (1) 18:13	09:01 (3) 16:02	08:13 15:35
19	08:50 16:17	07:46 17:29	06:30 18:33	08:33 (3) 09:02 (3)	06:30 20:37	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	07:29 (1) 18:11	09:01 (3) 16:01	08:15 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	08:33 (3) 09:03 (3)	06:28 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:55 20:56	07:01 19:30	07:31 (1) 18:08	09:02 (3) 15:59	08:17 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	08:32 (3) 09:04 (3)	06:25 20:37	04:50 21:50	04:21 22:28	04:54 22:03	05:58 20:53	07:03 19:28	07:33 (1) 18:06	09:02 (3) 15:57	08:19 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	08:31 (3) 09:04 (3)	06:22 20:39	04:48 21:52	04:21 22:28	04:56 22:01	06:00 20:51	07:05 19:25	07:35 (1) 18:11	09:03 (3) 15:56	08:21 15:37
23	08:44 16:26	07:35 17:38	06:19 18:42	08:30 (3) 09:04 (3)	06:19 20:42	04:47 21:54	04:22 22:28	04:58 22:00	06:02 20:48	07:08 19:22	07:37 (1) 18:00	09:04 (3) 15:54	08:23 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	08:30 (3) 09:05 (3)	06:16 20:44	04:45 21:55	04:22 22:28	04:59 21:58	06:04 20:45	07:10 19:19	07:42 (1) 18:15	09:05 (3) 15:53	08:25 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	08:30 (3) 09:05 (3)	06:14 20:46	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:43	07:12 19:16	07:41 (4) 18:16	09:06 (3) 15:51	08:27 15:38
26	08:39 16:32	07:28 17:45	06:11 18:48	08:29 (3) 09:04 (3)	06:11 20:48	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 19:14	08:14 (4) 18:13	09:08 (3) 15:50	08:30 15:39
27	08:37 16:35	07:25 17:47	06:08 18:50	08:30 (3) 09:05 (3)	06:08 20:50	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:11	08:13 (4) 18:11	09:10 (3) 15:48	08:32 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	08:30 (3) 09:04 (3)	06:05 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	08:11 (4) 18:10	09:15 (3) 15:47	08:34 15:41
29	08:33 16:39	07:20 17:55	06:04 19:02	07:02 (1) 07:56 (1)	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	08:10 (4) 18:10	09:16 (3) 15:42	08:35 15:42
30	08:31 16:42	07:18 17:57	06:03 19:07	07:00 (1) 07:54 (1)	05:36 21:05	04:36 22:06	04:25 22:27	05:11 21:46	06:17 20:29	07:23 19:02	08:09 (4) 18:10	09:17 (3) 15:43	08:37 15:43
31	08:29 16:44	07:16 17:59	06:02 19:09	06:57 (1) 07:51 (1)	05:37 21:06	04:34 22:07	04:24 22:27	05:13 21:44	06:19 20:26	07:21 19:02	08:08 (4) 18:10	09:18 (3) 15:44	08:39 15:44
Potential sun hours	227	262	365		429	515	539	538	474	386	321	241	207
Total, worst case		428		633						263	811		
Sun reduction		0,22		0,37						0,43	0,31		
Oper. time red.		0,93		0,93						0,93	0,93		
Wind dir. red.		0,82		0,92						0,97	0,84		
Total reduction		0,17		0,31						0,39	0,24		
Total, real		72		198						102	195		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AX - Mazkuikuli
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06	08:27	07:19	06:54	05:34	04:33	04:26	05:15	06:21	07:24	07:33	08:39
	15:46	16:46	17:52	20:01	21:07	22:08	22:26	21:41	20:23	18:59	16:38	15:43
2	09:06	08:25	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36	08:41
	15:47	16:48	17:54	20:03	21:09	22:10	22:25	21:39	20:21	18:57	16:36	15:42
3	09:05	08:23	07:14	06:48	05:29	04:31	04:28	05:19	06:25	07:29	07:38	08:42
	15:48	16:51	17:56	20:05	21:12	22:11	22:25	21:37	20:18	18:54	16:33	15:41
4	09:05	08:21	07:11	06:45	05:27	04:30	04:29	05:21	06:27	07:31	07:40	08:44
	15:50	16:53	17:59	20:08	21:14	22:13	22:24	21:34	20:15	18:51	16:31	15:40
5	09:05	08:18	07:09	06:43	05:24	04:28	04:30	05:23	06:29	07:33	07:43	08:46
	15:51	16:55	18:01	20:10	21:16	22:14	22:23	21:32	20:12	18:48	16:29	15:40
6	09:04	08:16	07:06	06:40	05:22	04:27	04:31	05:26	06:31	07:35	07:45	08:47
	15:53	16:58	18:03	20:12	21:18	22:15	22:22	21:30	20:09	18:46	16:27	15:39
7	09:03	08:14	07:03	06:37	05:19	04:27	04:32	05:28	06:34	07:37	07:47	08:49
	15:54	17:00	18:06	20:14	21:20	22:17	22:21	21:28	20:07	18:43	16:24	15:38
8	09:02	08:12	07:00	06:34	05:17	04:26	04:34	05:30	06:36	07:40	07:50	08:50
	15:56	17:03	18:08	20:16	21:22	22:18	22:21	21:25	20:04	18:40	16:22	15:37
9	09:02	08:09	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52	08:52
	15:58	17:05	18:10	20:19	21:25	22:19	22:19	21:23	20:01	18:37	16:20	15:37
10	09:01	08:07	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44	07:54	08:53
	15:59	17:07	18:12	20:21	21:27	22:20	22:18	21:20	19:58	18:35	16:18	15:36
11	09:00	08:05	06:52	06:26	05:10	04:24	04:38	05:36	06:42	07:46	07:56	08:55
	16:01	17:10	18:15	20:23	21:29	22:21	22:17	21:18	19:56	18:32	16:16	15:36
12	08:59	08:02	06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:48	07:59	08:56
	16:03	17:12	18:17	20:25	21:31	22:22	22:16	21:16	19:53	18:29	16:14	15:36
13	08:58	08:00	06:47	06:21	05:06	04:23	04:41	05:40	06:46	07:50	08:01	08:57
	16:05	17:14	18:19	20:27	21:33	22:23	22:15	21:13	19:50	18:26	16:12	15:35
14	08:57	07:58	06:44	06:18	05:04	04:22	04:42	05:43	06:48	07:53	08:03	08:58
	16:07	17:17	18:21	20:30	21:35	22:24	22:13	21:11	19:47	18:24	16:10	15:35
15	08:55	07:55	06:41	06:15	05:02	04:22	04:44	05:45	06:50	07:55	08:05	08:59
	16:09	17:19	18:24	20:32	21:37	22:24	22:12	21:08	19:44	18:21	16:08	15:35
16	08:54	07:53	06:38	06:13	05:00	04:21	04:45	05:47	06:53	07:57	08:08	09:00
	16:11	17:22	18:26	20:34	21:39	22:25	22:11	21:06	19:41	18:18	16:06	15:35
17	08:53	07:50	06:36	06:10	04:58	04:21	04:47	05:49	06:55	07:59	08:10	09:01
	16:13	17:24	18:28	20:36	21:41	22:25	22:09	21:03	19:39	18:16	16:04	15:35
18	08:51	07:48	06:33	06:07	04:56	04:21	04:49	05:51	06:57	08:02	08:12	09:02
	16:15	17:26	18:30	20:38	21:43	22:26	22:08	21:01	19:36	18:13	16:02	15:35
19	08:50	07:45	06:30	06:05	04:54	04:21	04:50	05:53	06:59	08:04	08:14	09:03
	16:17	17:29	18:32	20:41	21:45	22:26	22:06	20:58	19:33	18:11	16:01	15:36
20	08:48	07:43	06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:16	09:04
	16:19	17:31	18:35	20:43	21:47	22:27	22:04	20:55	19:30	18:08	15:59	15:36
21	08:47	07:40	06:24	05:59	04:50	04:21	04:54	05:57	07:03	08:08	08:19	09:04
	16:21	17:33	18:37	20:45	21:49	22:27	22:03	20:53	19:27	18:05	15:57	15:36
22	08:45	07:38	06:22	05:57	04:48	04:21	04:56	06:00	07:05	08:11	08:21	09:05
	16:23	17:36	18:39	20:47	21:51	22:27	22:01	20:50	19:25	18:03	15:56	15:37
23	08:44	07:35	06:19	05:54	04:47	04:22	04:58	06:02	07:07	08:13	08:23	09:05
	16:25	17:38	18:41	20:50	21:53	22:27	21:59	20:48	19:22	18:00	15:54	15:37
24	08:42	07:33	06:16	05:51	04:45	04:22	04:59	06:04	07:09	08:15	08:25	09:06
	16:28	17:40	18:43	20:52	21:55	22:27	21:57	20:45	19:19	17:58	15:52	15:38
25	08:40	07:30	06:13	05:49	04:43	04:22	05:01	06:06	07:12	07:17	08:27	09:06
	16:30	17:43	18:46	20:54	21:57	22:27	21:55	20:42	19:16	16:55	15:51	15:38
26	08:38	07:27	06:10	05:46	04:42	04:23	05:03	06:08	07:14	07:20	08:29	09:06
	16:32	17:45	18:48	20:56	21:58	22:27	21:53	20:40	19:13	16:53	15:50	15:39
27	08:37	07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	07:22	08:31	09:06
	16:34	17:47	18:50	20:58	22:00	22:27	21:51	20:37	19:11	16:50	15:48	15:40
28	08:35	07:22	06:05	05:41	04:39	04:24	05:07	06:12	07:18	07:24	08:33	09:07
	16:37	17:50	18:52	21:01	22:02	22:27	21:49	20:34	19:08	16:48	15:47	15:41
29	08:33		07:02	05:39	04:37	04:25	05:09	06:15	07:20	07:27	08:35	09:07
	16:39		19:54	21:03	22:04	22:27	21:47	20:31	19:05	16:45	15:46	15:42
30	08:31		06:59	05:36	04:36	04:25	05:11	06:17	07:22	07:29	08:37	09:07
	16:41		19:57	21:05	22:05	22:26	21:45	20:29	19:02	16:43	15:45	15:43
31	08:29		06:57		04:34		05:13	06:19		07:31		09:06
	16:44		19:59		22:07		21:43	20:26		16:40		15:44
Potential sun hours	228	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: AY - Mazspri š i (A)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:45	08:27 16:46	07:19 17:52	06:54 20:01	05:33 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:34 16:38	08:39 15:43
2	09:06 15:46	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:10	04:31 22:10	04:26 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:35	08:41 15:42
3	09:06 15:48	08:23 16:50	07:14 17:56	06:48 20:05	05:29 21:12	04:30 22:12	04:27 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	09:05 15:49	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	04:29 22:13	04:28 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:40
5	09:05 15:51	08:19 16:55	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:15	04:29 22:24	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39
6	09:04 15:52	08:16 16:58	07:06 18:03	06:40 20:12	05:21 21:18	04:27 22:16	04:31 22:23	05:25 21:30	06:31 20:10	07:35 18:45	07:45 16:26	08:48 15:38
7	09:04 15:54	08:14 17:00	07:03 18:05	06:37 20:14	05:19 21:21	04:26 22:17	04:32 22:22	05:27 21:28	06:33 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:03 15:55	08:12 17:02	07:01 18:08	06:34 20:17	05:17 21:23	04:25 22:18	04:33 22:21	05:29 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37
9	09:02 15:57	08:10 17:05	06:58 18:10	06:31 20:19	05:15 21:25	04:24 22:19	04:34 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:36
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:12 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:34	07:54 16:18	08:54 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:23 22:21	04:37 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:22 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:13	08:56 15:35
13	08:58 16:04	08:00 17:14	06:47 18:19	06:20 20:28	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:51 18:26	08:01 16:11	08:57 15:35
14	08:57 16:06	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:36	04:22 22:24	04:42 22:14	05:42 21:11	06:48 19:47	07:53 18:24	08:03 16:09	08:59 15:35
15	08:56 16:08	07:55 17:19	06:41 18:23	06:15 20:32	05:02 21:38	04:21 22:25	04:43 22:12	05:44 21:08	06:50 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:10	07:53 17:21	06:38 18:26	06:12 20:34	04:59 21:40	04:21 22:25	04:45 22:11	05:47 21:06	06:52 19:41	07:57 18:18	08:08 16:06	09:01 15:35
17	08:53 16:12	07:51 17:24	06:36 18:28	06:10 20:36	04:57 21:42	04:21 22:26	04:46 22:10	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:02 15:35
18	08:52 16:14	07:48 17:26	06:33 18:30	06:07 20:39	04:55 21:44	04:21 22:26	04:48 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:03 15:35
19	08:50 16:16	07:45 17:28	06:30 18:32	06:04 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:10	08:15 16:00	09:03 15:35
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:58	09:04 15:35
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	04:50 21:50	04:21 22:28	04:53 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	05:56 20:47	04:48 21:52	04:21 22:28	04:55 22:01	05:59 20:50	07:05 19:25	08:11 18:03	08:21 15:55	09:05 15:36
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:50	04:46 21:53	04:21 22:28	04:57 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:27	07:33 17:40	06:16 18:43	05:51 20:52	04:44 21:55	04:21 22:28	04:59 21:58	06:04 20:45	07:09 19:19	08:15 17:57	08:25 15:52	09:06 15:37
25	08:41 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:38
26	08:39 16:32	07:27 17:45	06:10 18:48	05:46 20:56	04:41 21:59	04:22 22:28	05:03 21:54	06:08 20:40	07:14 19:13	07:20 16:52	08:29 15:49	09:07 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
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29	08:33 16:39		07:02 19:54	05:38 21:03	04:37 22:04	04:24 22:27	05:09 21:48	06:14 20:32	07:20 19:05	07:27 16:45	08:35 15:45	09:07 15:41
30	08:31 16:41		06:59 19:57	05:36 21:05	04:35 22:06	04:25 22:27	05:11 21:46	06:16 20:29	07:22 19:02	07:29 16:43	08:37 15:44	09:07 15:43
31	08:29 16:43		06:56 19:59		04:34 22:07		05:13 21:44	06:19 20:26		07:31 16:40		09:07 15:44
Potential sun hours	227	262	365	430	516	539	539	475	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: AZ - Mazspri š i (B)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:45	08:27 16:46	07:19 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:34 16:38	08:39 15:43
2	09:06 15:46	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:10	04:31 22:10	04:26 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:35	08:41 15:42
3	09:06 15:48	08:23 16:50	07:14 17:56	06:48 20:05	05:29 21:12	04:30 22:12	04:27 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	09:05 15:49	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	04:29 22:13	04:28 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:40
5	09:05 15:51	08:19 16:55	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:15	04:29 22:24	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39
6	09:04 15:52	08:16 16:58	07:06 18:03	06:40 20:12	05:21 21:18	04:27 22:16	04:31 22:23	05:25 21:30	06:31 20:10	07:35 18:45	07:45 16:26	08:48 15:38
7	09:04 15:54	08:14 17:00	07:03 18:05	06:37 20:14	05:19 21:21	04:26 22:17	04:32 22:22	05:27 21:28	06:33 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:03 15:55	08:12 17:02	07:01 18:08	06:34 20:17	05:17 21:23	04:25 22:18	04:33 22:21	05:29 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37
9	09:02 15:57	08:10 17:05	06:58 18:10	06:31 20:19	05:15 21:25	04:24 22:19	04:34 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:36
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:12 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:34	07:54 16:18	08:54 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:23 22:21	04:37 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:22 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:13	08:56 15:35
13	08:58 16:04	08:00 17:14	06:47 18:19	06:20 20:28	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:51 18:26	08:01 16:11	08:57 15:35
14	08:57 16:06	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:36	04:22 22:24	04:42 22:14	05:42 21:11	06:48 19:47	07:53 18:24	08:03 16:09	08:59 15:35
15	08:56 16:08	07:55 17:19	06:41 18:23	06:15 20:32	05:02 21:38	04:21 22:25	04:43 22:12	05:44 21:08	06:50 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:10	07:53 17:21	06:38 18:26	06:12 20:34	04:59 21:40	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:41	07:57 18:18	08:08 16:06	09:01 15:35
17	08:53 16:12	07:51 17:24	06:36 18:28	06:10 20:36	04:57 21:42	04:21 22:26	04:46 22:10	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:02 15:35
18	08:52 16:14	07:48 17:26	06:33 18:30	06:07 20:39	04:55 21:44	04:21 22:26	04:48 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:03 15:35
19	08:50 16:16	07:45 17:28	06:30 18:32	06:04 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:10	08:15 16:00	09:03 15:35
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:58	09:04 15:35
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	04:50 21:50	04:21 22:28	04:53 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	05:56 20:47	04:48 21:52	04:21 22:28	04:55 22:01	05:59 20:50	07:05 19:25	08:11 18:03	08:21 15:55	09:05 15:36
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:50	04:46 21:53	04:21 22:28	04:57 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:06 15:37
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27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:36	07:22 17:49	06:05 18:52	05:41 21:01	04:38 22:02	04:23 22:27	05:07 21:50	06:12 20:34	07:18 19:08	07:24 16:47	08:33 15:47	09:07 15:40
29	08:33 16:39		07:02 19:54	05:38 21:03	04:37 22:04	04:24 22:27	05:09 21:48	06:14 20:32	07:20 19:05	07:27 16:45	08:35 15:45	09:07 15:41
30	08:31 16:41		06:59 19:57	05:36 21:05	04:35 22:06	04:25 22:27	05:11 21:46	06:16 20:29	07:22 19:02	07:29 16:43	08:37 15:44	09:07 15:43
31	08:29 16:43		06:56 19:59		04:34 22:07		05:13 21:44	06:19 20:26		07:31 16:40		09:07 15:44
Potential sun hours	227	262	365	430	516	539	539	475	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BA - Medni
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:03	05:32 21:10	04:32 22:10	04:27 22:25	05:18 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:41
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7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:47 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:53 15:37
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12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
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14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:56 16:09	07:56 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:24	04:44 22:12	05:45 21:08	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:36	04:58 21:42	04:21 22:26	04:47 22:09	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:01 15:35
18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:03	09:02 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:51 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
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22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:51	04:22 22:27	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:57	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:40 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:43 21:57	04:23 22:28	05:02 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:56	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:00	04:24 22:27	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:36 21:05	04:36 22:05	04:26 22:26	05:11 21:46	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:43	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	228	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BB - Me ž meiniki
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January		February	March	April	May	June	July	August	September	October	November	December
1	09:07	10:50 (1)	08:27	07:20	06:54	05:34	04:33	04:26	05:15	06:21	07:25	07:34	08:39
	15:46	7 10:57 (1)	16:46	17:52	20:01	21:08	22:09	22:26	21:42	20:24	19:00	16:38	15:43
2	09:06	10:51 (1)	08:25	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36	08:41
	15:47	5 10:56 (1)	16:48	17:54	20:03	21:10	22:10	22:26	21:39	20:21	18:57	16:36	15:42
3	09:06		08:23	07:14	06:48	05:29	04:30	04:28	05:19	06:25	07:29	07:38	08:43
	15:48		16:51	17:57	20:06	21:12	22:12	22:25	21:37	20:18	18:54	16:33	15:41
4	09:06		08:21	07:12	06:46	05:26	04:29	04:29	05:21	06:27	07:31	07:41	08:45
	15:50		16:53	17:59	20:08	21:14	22:13	22:24	21:35	20:15	18:51	16:31	15:40
5	09:05		08:19	07:09	06:43	05:24	04:28	04:30	05:23	06:29	07:33	07:43	08:46
	15:51		16:55	18:01	20:10	21:16	22:15	22:24	21:33	20:12	18:48	16:29	15:40
6	09:04		08:17	07:06	06:40	05:22	04:27	04:31	05:26	06:32	07:35	07:45	08:48
	15:53		16:58	18:03	20:12	21:19	22:16	22:23	21:30	20:10	18:46	16:27	15:39
7	09:04		08:14	07:03	06:37	05:19	04:26	04:32	05:28	06:34	07:38	07:48	08:49
	15:54		17:00	18:06	20:14	21:21	22:17	22:22	21:28	20:07	18:43	16:24	15:38
8	09:03		08:12	07:01	06:34	05:17	04:26	04:33	05:30	06:36	07:40	07:50	08:51
	15:56		17:03	18:08	20:17	21:23	22:18	22:21	21:26	20:04	18:40	16:22	15:37
9	09:02		08:10	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52	08:52
	15:57		17:05	18:10	20:19	21:25	22:19	22:20	21:23	20:01	18:37	16:20	15:37
10	09:01		08:08	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44	07:55	08:54
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11	09:00		08:05	06:52	06:26	05:10	04:23	04:37	05:36	06:42	07:46	07:57	08:55
	16:01		17:10	18:15	20:23	21:29	22:22	22:18	21:18	19:56	18:32	16:16	15:36
12	08:59		08:03	06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:49	07:59	08:56
	16:03		17:12	18:17	20:26	21:31	22:22	22:17	21:16	19:53	18:29	16:14	15:36
13	08:58		08:00	06:47	06:21	05:06	04:22	04:40	05:40	06:46	07:51	08:01	08:58
	16:05		17:15	18:19	20:28	21:34	22:23	22:15	21:14	19:50	18:27	16:12	15:35
14	08:57		07:58	06:44	06:18	05:04	04:22	04:42	05:43	06:49	07:53	08:04	08:59
	16:07		17:17	18:21	20:30	21:36	22:24	22:14	21:11	19:47	18:24	16:10	15:35
15	08:56		07:56	06:41	06:15	05:02	04:22	04:43	05:45	06:51	07:55	08:06	09:00
	16:09		17:19	18:24	20:32	21:38	22:25	22:13	21:09	19:45	18:21	16:08	15:35
16	08:55		07:53	06:39	06:13	05:00	04:21	04:45	05:47	06:53	07:57	08:08	09:01
	16:11		17:22	18:26	20:34	21:40	22:25	22:11	21:06	19:42	18:19	16:06	15:35
17	08:53		07:51	06:36	06:10	04:58	04:21	04:47	05:49	06:55	08:00	08:10	09:02
	16:13		17:24	18:28	20:37	21:42	22:26	22:10	21:03	19:39	18:16	16:04	15:35
18	08:52		07:48	06:33	06:07	04:56	04:21	04:48	05:51	06:57	08:02	08:13	09:03
	16:15		17:26	18:30	20:39	21:44	22:27	22:08	21:01	19:36	18:13	16:02	15:35
19	08:50		07:46	06:30	06:05	04:54	04:21	04:50	05:53	06:59	08:04	08:15	09:03
	16:17		17:29	18:33	20:41	21:46	22:27	22:06	20:58	19:33	18:11	16:01	15:35
20	08:49		07:43	06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:17	09:04
	16:19		17:31	18:35	20:43	21:48	22:27	22:05	20:56	19:30	18:08	15:59	15:36
21	08:47		07:41	06:25	05:59	04:50	04:21	04:54	05:57	07:03	08:09	08:19	09:05
	16:21		17:33	18:37	20:45	21:50	22:28	22:03	20:53	19:28	18:05	15:57	15:36
22	08:46		07:38	06:22	05:57	04:48	04:21	04:56	06:00	07:05	08:11	08:21	09:05
	16:23		17:36	18:39	20:48	21:52	22:28	22:01	20:50	19:25	18:03	15:55	15:36
23	08:44		07:35	06:19	05:54	04:47	04:21	04:57	06:02	07:08	08:13	08:23	09:06
	16:25		17:38	18:41	20:50	21:54	22:28	22:00	20:48	19:22	18:00	15:54	15:37
24	08:42		07:33	06:16	05:51	04:45	04:22	04:59	06:04	07:10	08:15	08:25	09:06
	16:28		17:40	18:44	20:52	21:55	22:28	21:58	20:45	19:19	17:58	15:52	15:38
25	08:41		07:30	06:13	05:49	04:43	04:22	05:01	06:06	07:12	07:18	08:27	09:07
	16:30		17:43	18:46	20:54	21:57	22:28	21:56	20:43	19:16	16:55	15:51	15:38
26	08:39		07:28	06:11	05:46	04:42	04:23	05:03	06:08	07:14	07:20	08:30	09:07
	16:32		17:45	18:48	20:57	21:59	22:28	21:54	20:40	19:14	16:53	15:50	15:39
27	08:37		07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	07:22	08:32	09:07
	16:34		17:47	18:50	20:59	22:01	22:28	21:52	20:37	19:11	16:50	15:48	15:40
28	08:35		07:22	06:05	05:41	04:38	04:24	05:07	06:12	07:18	07:25	08:34	09:07
	16:37		17:50	18:52	21:01	22:02	22:28	21:50	20:34	19:08	16:48	15:47	15:41
29	08:33			07:02	05:39	04:37	04:24	05:09	06:15	07:20	07:27	08:35	09:07
	16:39			19:55	21:03	22:04	22:27	21:48	20:32	19:05	16:45	15:46	15:42
30	08:31			06:59	05:36	04:36	04:25	05:11	06:17	07:22	07:29	08:37	09:07
	16:41			19:57	21:05	22:06	22:27	21:46	20:29	19:02	16:43	15:44	15:43
31	08:29			06:57		04:34		05:13	06:19		07:31		09:07
	16:44			19:59		22:07		21:44	20:26		16:40		15:44
Potential sun hours	227		262	365	429	515	539	539	475	386	321	241	207
Total, worst case		12											258
Sun reduction		0,13											0,13
Oper. time red.		0,93											0,93
Wind dir. red.		0,32											0,32
Total reduction		0,04											0,04
Total, real		0											10

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BC - Namdari
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December		
1	09:06 15:45	08:27 16:46	07:19 17:52	06:54 20:01	05:34 21:07	19:48 (8) 20:17 (8)	04:33 22:08	04:26 22:26	05:15 21:41	20:09 (8) 20:15 (8)	06:21 20:23	07:24 18:59	07:33 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:09	19:47 (8) 20:16 (8)	04:32 22:10	04:27 22:25	05:17 21:39	20:05 (8) 20:17 (8)	06:23 20:20	07:26 18:56	07:36 16:36	08:40 15:42
3	09:05 15:48	08:23 16:51	07:14 17:56	06:48 20:05	05:29 21:12	19:48 (8) 20:15 (8)	04:30 22:11	04:28 22:25	05:19 21:37	20:03 (8) 20:19 (8)	06:25 20:18	07:29 18:54	07:38 16:33	08:42 15:41
4	09:05 15:49	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	19:48 (8) 20:15 (8)	04:29 22:13	04:29 22:24	05:21 21:34	20:02 (8) 20:21 (8)	06:27 20:15	07:31 18:51	07:40 16:31	08:44 15:40
5	09:04 15:51	08:18 16:55	07:09 18:01	06:42 20:10	05:24 21:16	19:49 (8) 20:15 (8)	04:28 22:14	04:30 22:23	05:23 21:32	20:01 (8) 20:22 (8)	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39
6	09:04 15:52	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	19:50 (8) 20:14 (8)	04:27 22:15	04:31 22:22	05:25 21:30	20:00 (8) 20:23 (8)	06:31 20:09	07:35 18:45	07:45 16:26	08:47 15:39
7	09:03 15:54	08:14 17:00	07:03 18:05	06:37 20:14	05:19 21:20	19:50 (8) 20:12 (8)	04:26 22:17	04:32 22:21	05:28 21:28	19:59 (8) 20:23 (8)	06:33 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:02 15:56	08:12 17:02	07:00 18:08	06:34 20:16	05:17 21:22	19:51 (8) 20:11 (8)	04:26 22:18	04:33 22:20	05:30 21:25	19:58 (8) 20:24 (8)	06:36 20:04	07:39 18:40	07:49 16:22	08:50 15:37
9	09:02 15:57	08:09 17:05	06:58 18:10	06:31 20:19	05:15 21:25	19:52 (8) 20:10 (8)	04:25 22:19	04:35 22:19	05:32 21:23	19:58 (8) 20:24 (8)	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:12 21:27	19:54 (8) 20:08 (8)	04:24 22:20	04:36 22:18	05:34 21:20	19:57 (8) 20:25 (8)	06:40 19:58	07:44 18:34	07:54 16:18	08:53 15:36
11	09:00 16:01	08:05 17:10	06:52 18:14	06:26 20:23	05:10 21:29	19:56 (8) 20:06 (8)	04:23 22:21	04:37 22:17	05:36 21:18	19:57 (8) 20:25 (8)	06:42 19:55	07:46 18:32	07:56 16:16	08:55 15:36
12	08:59 16:03	08:02 17:12	06:49 18:17	06:23 20:25	05:08 21:31	19:58 (8) 20:10 (8)	04:23 22:22	04:39 22:16	05:38 21:16	19:56 (8) 20:25 (8)	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:14	06:47 18:19	06:21 20:27	05:06 21:33	19:58 (8) 20:11 (8)	04:22 22:23	04:40 22:15	05:40 21:13	19:56 (8) 20:25 (8)	06:46 19:50	07:50 18:26	08:01 16:12	08:57 15:35
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	19:58 (8) 20:13 (8)	04:22 22:24	04:42 22:13	05:42 21:11	19:56 (8) 20:25 (8)	06:48 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:55 16:08	07:55 17:19	06:41 18:23	06:15 20:32	05:02 21:37	19:58 (8) 20:14 (8)	04:22 22:24	04:43 22:12	05:45 21:08	19:56 (8) 20:24 (8)	06:50 19:44	07:55 18:21	08:05 16:08	08:59 15:35
16	08:54 16:10	07:53 17:21	06:38 18:26	06:12 20:34	05:00 21:39	19:58 (8) 20:15 (8)	04:21 22:25	04:45 22:11	05:47 21:06	19:55 (8) 20:23 (8)	06:52 19:41	07:57 18:18	08:08 16:06	09:00 15:35
17	08:53 16:13	07:50 17:24	06:36 18:28	06:10 20:36	04:58 21:41	19:58 (8) 20:16 (8)	04:21 22:25	04:47 22:09	05:49 21:03	19:56 (8) 20:22 (8)	06:55 19:39	07:59 18:16	08:10 16:04	09:01 15:35
18	08:51 16:15	07:48 17:26	06:33 18:30	06:07 20:38	04:56 21:43	19:58 (8) 20:17 (8)	04:21 22:26	04:48 22:08	05:51 21:00	19:56 (8) 20:22 (8)	06:57 19:36	08:01 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:45 17:29	06:30 18:32	06:04 20:41	04:54 21:45	19:58 (8) 20:18 (8)	04:21 22:26	04:50 22:06	05:53 20:58	19:57 (8) 20:21 (8)	06:59 19:33	08:04 18:10	08:14 16:00	09:03 15:35
20	08:48 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:47	19:58 (8) 20:19 (8)	04:21 22:27	04:52 22:04	05:55 20:55	19:57 (8) 20:19 (8)	07:01 19:30	08:06 18:08	08:16 15:59	09:04 15:36
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	04:50 21:49	19:58 (8) 20:12 (8)	04:21 22:27	04:54 22:03	05:57 20:53	19:58 (8) 20:18 (8)	07:03 19:27	08:08 18:05	08:19 15:57	09:04 15:36
22	08:45 16:23	07:38 17:36	06:22 18:39	05:56 20:47	04:48 21:51	19:58 (8) 20:13 (8)	04:21 22:27	04:56 22:01	05:59 20:50	20:00 (8) 20:16 (8)	07:05 19:24	08:10 18:03	08:21 15:55	09:05 15:36
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:49	04:46 21:53	19:58 (8) 20:15 (8)	04:21 22:27	04:57 21:59	06:02 20:47	20:02 (8) 20:13 (8)	07:07 19:22	08:13 18:00	08:23 15:54	09:05 15:37
24	08:42 16:28	07:32 17:40	06:16 18:43	05:51 20:52	04:45 21:55	19:58 (8) 20:16 (8)	04:22 22:27	04:59 21:57	06:04 20:45	19:58 (8) 20:19 (8)	07:09 19:19	08:15 17:58	08:25 15:52	09:06 15:38
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	19:50 (8) 20:16 (8)	04:22 22:27	05:01 21:55	06:06 20:42	19:58 (8) 20:16 (8)	07:11 19:16	08:17 16:55	08:27 15:51	09:06 15:38
26	08:38 16:32	07:27 17:45	06:10 18:48	05:46 20:56	04:41 21:58	19:49 (8) 20:16 (8)	04:23 22:27	05:03 21:53	06:08 20:39	19:58 (8) 20:17 (8)	07:14 19:13	08:20 16:52	08:29 15:49	09:06 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:58	04:40 22:00	19:49 (8) 20:17 (8)	04:23 22:27	05:05 21:51	06:10 20:37	19:58 (8) 20:18 (8)	07:16 19:10	08:22 16:50	08:31 15:48	09:06 15:40
28	08:35 16:37	07:22 17:49	06:05 18:52	05:41 21:01	04:38 22:02	19:49 (8) 20:17 (8)	04:24 22:27	05:07 21:49	06:12 20:34	19:58 (8) 20:17 (8)	07:18 19:08	08:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39	07:20 19:54	06:02 21:03	05:39 21:08	04:37 22:04	19:48 (8) 20:16 (8)	04:24 22:27	05:09 21:47	06:14 20:31	19:58 (8) 20:16 (8)	07:20 19:05	08:26 16:45	08:35 15:46	09:07 15:42
30	08:31 16:41	07:18 19:57	06:00 21:05	05:36 21:05	04:35 22:05	19:48 (8) 20:17 (8)	04:25 22:26	05:11 21:45	06:17 20:29	19:58 (8) 20:15 (8)	07:22 19:02	08:27 16:43	08:37 15:44	09:07 15:43
31	08:29 16:44	07:16 19:59	06:00 21:05	05:36 21:05	04:35 22:05	19:48 (8) 20:17 (8)	04:25 22:26	05:11 21:45	06:17 20:29	19:58 (8) 20:15 (8)	07:22 19:02	08:27 16:43	08:37 15:44	09:07 15:43
Potential sun hours	227	262	365	429	515	539	538	474	517	386	321	241	207	
Total, worst case				261	246				517					
Sun reduction				0,46	0,58				0,55					
Oper. time red.				0,93	0,93				0,93					
Wind dir. red.				0,95	0,95				0,95					
Total reduction				0,41	0,51				0,48					
Total, real				106	126				248					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: BD - Norinas

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1 09:07		11:13 (11) 08:27	09:00 (12) 07:20	06:54	05:34	04:33
15:45	61	13:00 (10) 16:46	09:13 (12) 17:52	20:01	21:07	22:09
2 09:06		11:14 (11) 08:25	08:57 (12) 07:17	06:51	05:31	04:32
15:47	61	13:01 (10) 16:48	09:14 (12) 17:54	20:03	21:10	22:10
3 09:06		11:15 (11) 08:23	08:57 (12) 07:14	06:48	05:29	04:30
15:48	59	13:01 (10) 16:51	09:15 (12) 17:56	20:06	21:12	22:12
4 09:05		11:15 (11) 08:21	08:55 (12) 07:11	06:45	05:26	04:29
15:49	60	13:02 (10) 16:53	09:16 (12) 17:59	20:08	21:14	22:13
5 09:05		11:16 (11) 08:19	08:55 (12) 07:09	06:43	05:24	04:28
15:51	58	13:02 (10) 16:55	09:17 (12) 18:01	20:10	21:16	22:15
6 09:04		11:18 (11) 08:16	08:55 (12) 07:06	07:39 (13) 06:40	05:22	04:27
15:52	57	13:03 (10) 16:58	09:18 (12) 18:03	4 07:43 (13) 20:12	21:18	22:16
7 09:04		11:19 (11) 08:14	08:55 (12) 07:03	07:34 (13) 06:37	05:19	04:26
15:54	56	13:04 (10) 17:00	09:18 (12) 18:06	13 07:47 (13) 20:14	21:21	22:17
8 09:03		11:19 (11) 08:12	08:55 (12) 07:01	07:31 (13) 06:34	05:17	04:25
15:56	54	13:03 (10) 17:02	09:18 (12) 18:08	18 07:49 (13) 20:17	21:23	22:18
9 09:02		11:21 (11) 08:10	08:55 (12) 06:58	07:29 (13) 06:32	05:15	04:25
15:57	51	13:03 (10) 17:05	09:18 (12) 18:10	21 07:50 (13) 20:19	21:25	22:19
10 09:01		11:23 (11) 08:07	08:56 (12) 06:55	07:29 (13) 06:29	05:12	04:24
15:59	48	13:04 (10) 17:07	09:18 (12) 18:12	23 07:52 (13) 20:21	21:27	22:20
11 09:00		11:27 (11) 08:05	08:56 (12) 06:52	07:28 (13) 06:26	05:10	04:23
16:01	40	13:04 (10) 17:10	09:17 (12) 18:15	24 07:52 (13) 20:23	21:29	22:21
12 08:59		12:27 (10) 08:03	08:57 (12) 06:50	07:27 (13) 06:23	05:08	04:23
16:03	37	13:04 (10) 17:12	09:17 (12) 18:17	26 07:53 (13) 20:25	21:31	22:22
13 08:58		12:28 (10) 08:00	08:57 (12) 06:47	07:26 (13) 06:21	05:06	04:22
16:05	37	13:05 (10) 17:14	09:16 (12) 18:19	26 07:52 (13) 20:28	21:33	22:23
14 08:57		12:28 (10) 07:58	08:58 (12) 06:44	07:25 (13) 06:18	05:04	04:22
16:06	36	13:04 (10) 17:17	09:14 (12) 18:21	27 07:52 (13) 20:30	21:36	22:24
15 08:56		12:29 (10) 07:55	09:00 (12) 06:41	07:26 (13) 06:15	05:02	04:21
16:08	36	13:05 (10) 17:19	09:13 (12) 18:24	27 07:53 (13) 20:32	21:38	22:25
16 08:54		12:30 (10) 07:53	09:03 (12) 06:38	07:25 (13) 06:12	05:00	04:21
16:10	36	15:28 (1) 17:22	7 09:10 (12) 18:26	27 07:52 (13) 20:34	21:40	22:25
17 08:53		12:30 (10) 07:51	06:36	07:25 (13) 06:10	04:58	04:21
16:12	39	15:31 (1) 17:24	18:28	26 07:51 (13) 20:36	21:42	22:26
18 08:52		12:32 (10) 07:48	06:33	07:25 (13) 06:07	04:56	04:21
16:15	39	15:34 (1) 17:26	18:30	25 07:50 (13) 20:39	21:44	22:26
19 08:50		12:33 (10) 07:46	06:30	07:26 (13) 06:04	04:54	04:21
16:17	40	15:36 (1) 17:29	18:32	23 07:49 (13) 20:41	21:46	22:27
20 08:49		12:33 (10) 07:43	06:27	07:26 (13) 06:02	04:52	04:21
16:19	41	15:38 (1) 17:31	18:35	21 07:47 (13) 20:43	21:48	22:27
21 08:47		12:35 (10) 07:40	06:25	07:28 (13) 05:59	04:50	04:21
16:21	42	15:41 (1) 17:33	18:37	18 07:46 (13) 20:45	21:50	22:28
22 08:46		12:36 (10) 07:38	06:22	07:30 (13) 05:57	04:48	04:21
16:23	42	15:43 (1) 17:36	18:39	13 07:43 (13) 20:48	21:52	22:28
23 08:44		12:38 (10) 07:35	06:19	07:34 (13) 05:54	04:46	04:21
16:25	38	15:43 (1) 17:38	18:41	4 07:38 (13) 20:50	21:53	22:28
24 08:42		12:39 (10) 07:33	06:16	05:51	04:45	04:22
16:28	34	15:43 (1) 17:40	18:44	20:52	21:55	22:28
25 08:41		12:42 (10) 07:30	06:13	05:49	04:43	04:22
16:30	28	15:43 (1) 17:43	18:46	20:54	21:57	22:28
26 08:39		12:46 (10) 07:27	06:11	05:46	04:41	04:22
16:32	19	15:42 (1) 17:45	18:48	20:56	21:59	22:28
27 08:37		15:33 (1) 07:25	06:08	05:44	04:40	04:23
16:34	9	15:42 (1) 17:47	18:50	20:59	22:01	22:28
28 08:35		15:36 (1) 07:22	06:05	05:41	04:38	04:24
16:37	3	15:39 (1) 17:50	18:52	21:01	22:02	22:27
29 08:33			07:02	05:39	04:37	04:24
16:39			19:55	21:03	22:04	22:27
30 08:31		09:04 (12)	06:59	05:36	04:35	04:25
16:41	3	09:07 (12)	19:57	21:05	22:06	22:27
31 08:29		09:02 (12)	06:57		04:34	
16:44	9	09:11 (12)	19:59		22:07	
Potential sun hours	227	262	365	429	515	539
Total, worst case	1173	301	366			
Sun reduction	0,13	0,22	0,37			
Oper. time red.	0,93	0,93	0,93			
Wind dir. red.	0,19	0,74	0,95			
Total reduction	0,02	0,15	0,32			
Total, real	27	46	119			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BD - Norinas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	July	August	September	October	November	December					
1	04:26	05:15	06:21	07:24	08:05 (13)	07:34	08:25 (12)	08:39	11:10 (11)		
	22:26	21:41	20:23	18:59	27 08:32 (13)	16:38	23 08:48 (12)	15:43	40 12:47 (10)		
2	04:27	05:17	06:23	07:27	08:05 (13)	07:36	08:24 (12)	08:41	11:07 (11)		
	22:26	21:39	20:21	18:57	26 08:31 (13)	16:36	23 08:47 (12)	15:42	47 12:47 (10)		
3	04:28	05:19	06:25	07:29	08:06 (13)	07:38	08:25 (12)	08:43	11:05 (11)		
	22:25	21:37	20:18	18:54	23 08:29 (13)	16:33	23 08:48 (12)	15:41	52 12:48 (10)		
4	04:29	05:21	06:27	07:31	08:07 (13)	07:41	08:24 (12)	08:44	11:05 (11)		
	22:24	21:35	20:15	18:51	22 08:29 (13)	16:31	23 08:47 (12)	15:40	53 12:48 (10)		
5	04:30	05:23	06:29	07:33	08:08 (13)	07:43	08:25 (12)	08:46	11:04 (11)		
	22:24	21:33	20:12	18:48	19 08:27 (13)	16:29	22 08:47 (12)	15:39	56 12:49 (10)		
6	04:31	05:25	06:31	07:35	08:09 (13)	07:45	08:25 (12)	08:48	11:03 (11)		
	22:23	21:30	20:10	18:46	16 08:25 (13)	16:26	21 08:46 (12)	15:39	57 12:48 (10)		
7	04:32	05:28	06:34	07:37	08:12 (13)	07:47	08:26 (12)	08:49	11:03 (11)		
	22:22	21:28	20:07	18:43	9 08:21 (13)	16:24	20 08:46 (12)	15:38	58 12:49 (10)		
8	04:33	05:30	06:36	07:40		07:50	08:27 (12)	08:51	11:03 (11)		
	22:21	21:26	20:04	18:40		16:22	19 08:46 (12)	15:37	60 12:50 (10)		
9	04:35	05:32	06:38	07:42		07:52	08:28 (12)	08:52	11:04 (11)		
	22:20	21:23	20:01	18:37		16:20	17 08:45 (12)	15:37	61 12:51 (10)		
10	04:36	05:34	06:40	07:44		07:54	08:31 (12)	08:54	11:03 (11)		
	22:19	21:21	19:58	18:35		16:18	13 08:44 (12)	15:36	61 12:50 (10)		
11	04:37	05:36	06:42	07:46		07:57	08:33 (12)	08:55	11:04 (11)		
	22:18	21:18	19:56	18:32		16:16	9 08:42 (12)	15:36	61 12:51 (10)		
12	04:39	05:38	06:44	07:48		07:59	08:36 (12)	08:56	11:04 (11)		
	22:16	21:16	19:53	18:29		16:14	3 08:39 (12)	15:35	61 12:51 (10)		
13	04:40	05:40	06:46	07:51		08:01		08:57	11:04 (11)		
	22:15	21:13	19:50	18:26		16:12		15:35	63 12:52 (10)		
14	04:42	05:42	06:48	07:53		08:03		08:59	11:05 (11)		
	22:14	21:11	19:47	18:24		16:10	3 15:11 (1)	15:35	63 12:53 (10)		
15	04:43	05:45	06:50	07:55		08:06		15:05 (1)	09:00	11:05 (11)	
	22:12	21:08	19:44	18:21		16:08	8 15:13 (1)	15:35	63 12:53 (10)		
16	04:45	05:47	06:53	07:57		08:08		12:19 (10)	09:01	11:05 (11)	
	22:11	21:06	19:42	18:18		16:06	19 15:15 (1)	15:35	63 12:53 (10)		
17	04:47	05:49	06:55	07:59		08:10		12:16 (10)	09:02	11:05 (11)	
	22:09	21:03	19:39	18:16		16:04	29 15:17 (1)	15:35	65 12:54 (10)		
18	04:48	05:51	06:57	08:02		08:12		12:13 (10)	09:02	11:06 (11)	
	22:08	21:01	19:36	18:13		16:02	34 15:17 (1)	15:35	63 12:54 (10)		
19	04:50	05:53	06:59	08:04		08:15		12:13 (10)	09:03	11:05 (11)	
	22:06	20:58	19:33	18:10		16:00	38 15:18 (1)	15:35	64 12:54 (10)		
20	04:52	05:55	07:01	08:06		08:17		12:11 (10)	09:04	11:06 (11)	
	22:05	20:56	19:30	18:08		15:59	42 15:18 (1)	15:36	65 12:55 (10)		
21	04:54	05:57	07:03	08:17 (13)	08:08	08:19		12:11 (10)	09:05	11:07 (11)	
	22:03	20:53	19:27	11 08:28 (13)	18:05	15:57	42 15:17 (1)	15:36	65 12:56 (10)		
22	04:55	06:00	07:05	08:14 (13)	08:11	08:21		12:10 (10)	09:05	11:07 (11)	
	22:01	20:50	19:25	16 08:30 (13)	18:03	15:55	40 15:14 (1)	15:36	65 12:56 (10)		
23	04:57	06:02	07:07	08:11 (13)	08:13	08:23		12:09 (10)	09:06	11:08 (11)	
	21:59	20:48	19:22	21 08:32 (13)	18:00	15:54	40 15:12 (1)	15:37	65 12:57 (10)		
24	04:59	06:04	07:10	08:10 (13)	08:15	08:25		12:09 (10)	09:06	11:08 (11)	
	21:58	20:45	19:19	22 08:32 (13)	17:58	15:52	39 15:11 (1)	15:37	64 12:57 (10)		
25	05:01	06:06	07:12	08:08 (13)	07:18	08:27		12:08 (10)	09:06	11:09 (11)	
	21:56	20:42	19:16	25 08:33 (13)	16:55	15:51	39 15:09 (1)	15:38	63 12:57 (10)		
26	05:03	06:08	07:14	08:07 (13)	07:20		08:31 (12)	08:29	12:09 (10)	09:07	11:09 (11)
	21:54	20:40	19:13	26 08:33 (13)	16:53	9 08:40 (12)	15:49	37 15:08 (1)	15:39	64 12:58 (10)	
27	05:05	06:10	07:16	08:06 (13)	07:22	08:29 (12)	08:31	12:08 (10)	09:07	11:10 (11)	
	21:52	20:37	19:11	27 08:33 (13)	16:50	14 08:43 (12)	15:48	36 12:44 (10)	15:40	63 12:58 (10)	
28	05:07	06:12	07:18	08:07 (13)	07:24	08:27 (12)	08:33	12:08 (10)	09:07	11:10 (11)	
	21:50	20:34	19:08	27 08:34 (13)	16:48	17 08:44 (12)	15:47	36 12:44 (10)	15:41	64 12:59 (10)	
29	05:09	06:14	07:20	08:06 (13)	07:27	08:27 (12)	08:35	12:08 (10)	09:07	11:11 (11)	
	21:48	20:32	19:05	27 08:33 (13)	16:45	19 08:46 (12)	15:45	37 12:45 (10)	15:42	63 12:59 (10)	
30	05:11	06:17	07:22	08:06 (13)	07:29	08:25 (12)	08:37	12:08 (10)	09:07	11:11 (11)	
	21:46	20:29	19:02	27 08:33 (13)	16:43	21 08:46 (12)	15:44	37 12:45 (10)	15:43	62 12:59 (10)	
31	05:13	06:19			07:31	08:25 (12)			09:07	11:12 (11)	
	21:44	20:26			16:40	22 08:47 (12)			15:44	62 13:00 (10)	
Potential sun hours	539	475	386		321		241		207		
Total, worst case			229		244		772		1876		
Sun reduction			0,43		0,31		0,15		0,13		
Oper. time red.			0,93		0,93		0,93		0,93		
Wind dir. red.			0,95		0,87		0,38		0,14		
Total reduction			0,38		0,25		0,05		0,02		
Total, real			87		60		42		31		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BE - Olki
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December	
1	09:07 15:45	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:42	06:21 20:23	07:25 18:59	07:34 16:38	08:39 15:43	09:26 (10) 09:44 (10)
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:10	04:32 22:10	04:27 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42	09:27 (10) 09:44 (10)
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:30 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41	09:28 (10) 09:44 (10)
4	09:06 15:49	09:47 (10) 16:53	08:21 17:59	07:12 20:08	06:45 21:14	05:26 22:13	04:29 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:40	09:29 (10) 09:43 (10)
5	09:05 15:51	09:47 (10) 16:55	08:19 17:09	07:09 20:03	06:43 21:16	05:24 22:15	04:28 22:24	05:23 21:33	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39	09:30 (10) 09:43 (10)
6	09:04 15:52	09:46 (10) 16:58	08:17 17:06	07:06 20:12	06:40 21:19	05:22 22:17	04:27 22:23	05:25 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39	09:32 (10) 09:42 (10)
7	09:04 15:54	09:45 (10) 17:00	08:14 17:00	07:03 18:06	06:37 20:14	05:19 21:21	04:26 22:17	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:24	08:49 15:38	09:33 (10) 09:41 (10)
8	09:03 15:56	09:45 (10) 17:03	08:12 17:03	07:01 18:08	06:34 20:17	05:17 21:23	04:25 22:18	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37	09:35 (10) 09:40 (10)
9	09:02 15:57	09:44 (10) 17:05	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37	
10	09:01 15:59	09:44 (10) 17:07	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:21	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:54 15:36	09:28 (10) 09:31 (10)
11	09:00 16:01	09:44 (10) 17:10	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:23 22:22	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36	09:24 (10) 09:42 (10)
12	08:59 16:03	09:43 (10) 17:12	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:23 22:22	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:35	09:23 (10) 09:31 (10)
13	08:58 16:05	09:43 (10) 17:14	08:00 17:14	06:47 18:19	06:21 20:28	05:06 21:34	04:22 22:23	05:40 21:14	06:46 19:50	07:51 18:26	08:01 16:12	08:58 15:35	09:21 (10) 09:38 (10)
14	08:57 16:07	09:43 (10) 17:17	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:36	04:22 22:24	05:42 21:11	06:48 19:47	07:53 18:24	08:04 16:10	08:59 15:35	09:21 (10) 09:40 (10)
15	08:56 16:08	09:43 (10) 17:19	07:56 17:19	06:41 18:24	06:15 20:32	05:02 21:38	04:21 22:25	05:45 21:08	06:51 19:44	07:55 18:21	08:06 16:08	09:00 15:35	09:20 (10) 09:41 (10)
16	08:55 16:10	09:43 (10) 17:22	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:21 22:25	05:47 21:06	06:53 19:42	07:57 18:18	08:08 16:06	09:01 15:35	09:20 (10) 09:41 (10)
17	08:53 16:13	09:43 (10) 17:24	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	04:21 22:26	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:02 15:35	09:20 (10) 09:42 (10)
18	08:52 16:15	09:44 (10) 17:26	07:48 17:26	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:27	05:51 21:01	06:57 19:36	08:02 18:13	08:13 16:02	09:03 15:35	09:19 (10) 09:42 (10)
19	08:50 16:17	09:44 (10) 17:29	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	05:53 21:06	06:59 19:33	08:04 18:11	08:15 16:00	09:03 15:35	09:20 (10) 09:43 (10)
20	08:49 16:19	09:44 (10) 17:31	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27	05:55 21:06	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36	09:19 (10) 09:43 (10)
21	08:47 16:21	09:44 (10) 17:33	07:41 17:33	06:25 18:37	05:59 20:45	04:50 21:50	04:21 22:28	05:57 21:03	07:03 19:28	08:09 18:05	08:19 15:57	09:05 15:36	09:20 (10) 09:44 (10)
22	08:46 16:23	09:44 (10) 17:36	07:38 17:36	06:22 18:39	05:57 20:48	04:48 21:52	04:21 22:28	06:00 21:06	07:05 19:25	08:11 18:03	08:21 15:55	09:05 15:36	09:20 (10) 09:44 (10)
23	08:44 16:25	09:45 (10) 17:38	07:35 17:38	06:19 18:41	05:54 20:50	04:46 21:53	04:21 22:28	06:02 21:06	07:07 19:22	08:13 18:00	08:23 15:54	09:06 15:37	09:21 (10) 09:45 (10)
24	08:42 16:28	09:45 (10) 17:40	07:33 17:40	06:16 18:44	05:51 20:52	04:45 21:55	04:22 22:28	06:04 21:06	07:10 19:19	08:15 18:02	08:25 15:52	09:06 15:38	09:21 (10) 09:44 (10)
25	08:41 16:30	09:46 (10) 17:43	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	06:06 21:06	07:12 19:16	08:17 18:03	08:27 15:51	09:07 15:38	09:21 (10) 09:44 (10)
26	08:39 16:32	09:47 (10) 17:45	07:28 17:45	06:11 18:48	05:46 20:56	04:41 21:59	04:22 22:28	06:08 21:06	07:14 19:13	08:19 18:03	08:29 15:49	09:07 15:39	09:22 (10) 09:45 (10)
27	08:37 16:34	09:48 (10) 17:47	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:01	04:23 22:28	06:10 21:06	07:16 19:11	08:21 18:02	08:31 15:50	09:07 15:40	09:22 (10) 09:44 (10)
28	08:35 16:37	09:49 (10) 17:50	07:22 17:50	06:05 18:52	05:41 21:01	04:38 22:02	04:24 22:27	06:12 21:06	07:18 19:08	08:23 18:03	08:33 15:47	09:07 15:41	09:23 (10) 09:44 (10)
29	08:33 16:39	09:49 (10) 18:00	07:20 18:00	06:03 19:00	05:39 21:03	04:37 22:04	04:24 22:27	06:15 21:06	07:20 19:05	08:27 18:05	08:36 15:45	09:07 15:42	09:24 (10) 09:44 (10)
30	08:31 16:41	09:51 (10) 18:05	07:18 18:05	06:01 19:05	05:36 21:05	04:35 22:06	04:25 22:27	06:17 21:06	07:22 19:02	08:29 18:03	08:37 15:44	09:07 15:43	09:25 (10) 09:45 (10)
31	08:29 16:44	09:53 (10) 18:10	07:16 18:10	06:00 19:05	05:34 21:07	04:34 22:07	04:24 22:27	06:19 21:06	07:23 19:02	08:31 18:03	08:40 15:44	09:07 15:44	09:26 (10) 09:46 (10)
Potential sun hours	227	262	365	429	516	539	539	475	386	321	241	207	
Total, worst case	517												101
Sun reduction	0,13												0,13
Oper. time red.	0,93												0,93
Wind dir. red.	0,56												0,56
Total reduction	0,07												0,07
Total, real	36												7

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BF - Paegli

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February		March	April	May	June	July	August	September	October		November		December	
1	09:07 15:46	08:27 16:46		07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:42	06:21 20:24	07:25 19:00		07:34 16:38	9	08:10 (3) 08:19 (3)	08:39 15:43
2	09:06 15:47	08:25 16:49		07:17 17:54	06:51 20:04	05:31 21:10	04:32 22:10	04:27 22:26	05:17 21:39	06:23 20:21	07:27 18:57		07:36 16:36			08:41 15:42
3	09:06 15:48	08:23 16:51		07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54		07:38 16:34			08:43 15:41
4	09:06 15:50	08:21 16:53		07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:25	05:22 21:35	06:28 20:15	07:31 18:51		07:41 16:31			08:45 15:41
5	09:05 15:51	08:19 16:56		07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:15	04:30 22:24	05:24 21:33	06:30 20:13	07:33 18:49		07:43 16:29			08:46 15:40
6	09:04 15:53	08:17 16:58		07:06 18:04	06:40 20:12	05:22 21:19	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:36 18:46		07:45 16:27			08:48 15:39
7	09:04 15:54	08:14 17:00		07:04 18:06	06:37 20:15	05:20 21:21	04:27 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:38 18:43		07:48 16:25			08:49 15:38
8	09:03 15:56	08:12 17:03		07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40		07:50 16:22			08:51 15:38
9	09:02 15:58	08:10 17:05		06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:20	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38		07:52 16:20			08:52 15:37
10	09:01 15:59	08:08 17:08	10	08:40 (3) 08:50 (3)	06:55 18:13	05:29 20:21	05:13 21:27	04:24 22:21	04:36 22:19	05:34 21:21	06:40 19:59		07:44 18:35			08:54 15:36
11	09:00 16:01	08:05 17:10	15	08:37 (3) 08:52 (3)	06:53 18:15	05:26 20:23	05:11 21:29	04:24 22:22	04:38 22:18	05:36 21:19	06:42 19:56		07:46 18:32			08:55 15:36
12	08:59 16:03	08:03 17:12	17	08:34 (3) 08:54 (3)	06:50 18:17	05:24 20:26	05:08 21:32	04:23 22:22	04:39 22:17	05:38 21:16	06:44 19:53		07:49 18:29			08:56 15:36
13	08:58 16:05	08:01 17:15	20	08:35 (3) 08:55 (3)	06:47 18:19	05:21 20:28	05:06 21:34	04:23 22:23	04:41 22:15	05:41 21:14	06:47 19:50		07:51 18:27			08:01 15:35
14	08:57 16:07	07:58 17:17	21	08:35 (3) 08:56 (3)	06:44 18:22	05:04 20:30	04:22 21:36	04:42 22:24	05:43 21:11	06:49 19:47	07:53 18:24		07:57 16:10			08:04 15:35
15	08:56 16:09	07:56 17:19	22	08:34 (3) 08:56 (3)	06:42 18:24	05:02 20:32	04:22 21:38	04:44 22:25	05:45 21:09	06:51 19:45	07:55 18:21		08:06 16:08			09:00 15:35
16	08:55 16:11	07:53 17:22	23	08:33 (3) 08:56 (3)	06:39 18:26	05:13 20:34	05:00 21:40	04:21 22:26	05:47 22:11	06:53 19:42	07:57 18:19		08:08 16:06			09:01 15:35
17	08:53 16:13	07:51 17:24	23	08:34 (3) 08:57 (3)	06:36 18:28	06:10 20:37	04:58 21:42	04:21 22:26	04:47 22:10	05:49 21:04	06:55 19:39	09:11 (3) 09:22 (3)	08:00 16:04			09:02 15:35
18	08:52 16:15	07:48 17:27	24	08:33 (3) 08:57 (3)	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:27	05:51 21:01	06:57 19:36	08:02 18:13	11	09:08 (3) 09:23 (3)			09:03 15:35
19	08:50 16:17	07:46 17:29	23	06:33 (3) 08:34 (3)	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	05:53 20:58	06:59 19:33	08:04 18:11	15	09:06 (3) 09:24 (3)			09:03 15:36
20	08:49 16:19	07:43 17:31	23	06:02 (3) 08:34 (3)	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	05:56 20:56	07:01 19:31	08:06 18:08	18	09:05 (3) 09:26 (3)			09:04 15:36
21	08:47 16:21	07:41 17:34	22	06:25 (3) 08:35 (3)	06:25 18:37	05:59 20:46	04:50 21:50	04:21 22:28	05:58 20:53	07:03 19:28	08:09 18:06	21	09:04 (3) 09:26 (3)			09:05 15:36
22	08:46 16:23	07:38 17:36	19	06:22 (3) 08:54 (3)	06:22 18:39	05:57 20:48	04:48 21:52	04:21 22:28	06:00 20:51	07:06 19:25	08:11 18:03	22	09:04 (3) 09:27 (3)			09:05 15:37
23	08:44 16:26	07:36 17:38	18	06:19 (3) 08:54 (3)	06:19 18:42	05:54 20:50	04:47 21:54	04:22 22:28	06:02 20:48	07:08 19:22	08:13 18:00	23	09:03 (3) 09:27 (3)			09:06 15:37
24	08:42 16:28	07:33 17:41	14	06:16 (3) 08:52 (3)	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	06:04 20:45	07:10 19:19	08:15 17:58	24	09:04 (3) 09:27 (3)			09:06 15:38
25	08:41 16:30	07:30 17:43	8	06:14 (3) 08:48 (3)	06:14 18:46	05:49 20:54	04:43 21:57	04:22 22:28	06:06 20:43	07:12 19:16	08:18 16:55	23	09:03 (3) 09:26 (3)			09:07 15:38
26	08:39 16:32	07:28 17:45		06:11 18:48	06:11 20:57	05:46 21:59	04:42 22:28	05:03 21:54	06:08 20:40	07:14 19:14	07:20 16:53	23	08:04 (3) 08:27 (3)			09:07 15:39
27	08:37 16:35	07:25 17:48		06:08 18:50	06:08 20:59	05:44 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	23	08:03 (3) 08:26 (3)			09:07 15:40
28	08:35 16:37	07:22 17:50		06:05 18:53	06:05 21:01	05:41 22:03	04:39 22:28	05:07 21:50	06:13 20:35	07:18 19:08	07:25 16:48	20	08:05 (3) 08:25 (3)			09:07 15:41
29	08:33 16:39			07:02 19:55	07:02 21:03	05:39 22:04	04:37 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	19	08:05 (3) 08:24 (3)			09:07 15:42
30	08:31 16:42			07:00 19:57	07:00 21:05	05:36 22:06	04:36 22:27	05:11 21:46	06:17 20:29	07:23 19:02	07:29 16:43	17	08:06 (3) 08:23 (3)			09:07 15:43
31	08:29 16:44			06:57 19:59	06:57 22:07	04:34 22:07	04:34 22:07	05:13 21:44	06:19 20:26	07:32 16:41	07:32 16:41	14	08:07 (3) 08:21 (3)			09:07 15:44
Potential sun hours	227	262		365	429	515	539	538	474	386	321		241			207
Total, worst case			302								296					
Sun reduction			0,22								0,31			0,15		
Oper. time red.			0,93								0,93			0,93		
Wind dir. red.			0,81								0,81			0,81		
Total reduction			0,17								0,23			0,12		
Total, real			50								68			1		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: BG - Pavasari
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December		
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	07:20 (1) 07:34 (1)	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:42	06:21 20:24	07:25 19:00	08:18 (3) 08:50 (3)	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	07:17 (1) 07:33 (1)	05:31 21:10	04:32 22:10	04:27 22:26	05:17 21:39	06:23 20:21	07:27 18:57	08:18 (3) 08:49 (3)	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	07:16 (1) 07:32 (1)	05:29 21:12	04:31 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	08:19 (3) 08:50 (3)	07:38 16:34	08:43 15:41
4	09:06 15:50	08:21 16:53	07:12 17:59	06:46 20:08	07:17 (1) 07:32 (1)	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:27 20:15	07:31 18:51	08:19 (3) 08:49 (3)	07:41 16:31	08:45 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	07:18 (1) 07:31 (1)	05:24 21:16	04:29 22:15	04:30 22:24	05:24 21:33	06:30 20:13	07:18 (1) 07:22 (1)	08:19 (3) 08:47 (3)	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	07:18 (1) 07:29 (1)	05:22 21:19	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:15 (1) 07:25 (1)	08:19 (3) 08:46 (3)	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:00	07:04 18:06	06:37 20:15	07:22 (1) 07:26 (1)	05:20 21:21	04:27 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:13 (1) 07:26 (1)	08:21 (3) 08:45 (3)	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	07:26 (1) 07:42 (3)	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:11 (1) 07:26 (1)	08:22 (3) 08:44 (3)	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	07:42 (3) 08:11 (3)	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:11 (1) 07:27 (1)	08:23 (3) 08:41 (3)	07:52 16:18	08:52 15:37
10	09:01 15:59	08:08 17:08	06:55 18:13	06:29 20:21	07:41 (3) 08:11 (3)	05:13 21:27	04:24 22:21	04:36 22:19	05:34 21:21	06:40 19:59	07:10 (1) 07:26 (1)	08:25 (3) 08:38 (3)	07:55 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	07:40 (3) 08:11 (3)	05:11 21:29	04:24 22:22	04:38 22:18	05:36 21:18	06:42 19:56	07:12 (1) 07:26 (1)	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	07:39 (3) 08:11 (3)	05:08 21:31	04:23 22:22	04:39 22:17	05:38 21:16	06:44 19:53	07:14 (1) 07:25 (1)	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	07:39 (3) 08:11 (3)	05:06 21:34	04:23 22:23	04:41 22:15	05:41 21:14	06:47 19:50	07:16 (1) 07:24 (1)	07:51 18:27	08:01 16:12	08:58 15:35
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	07:40 (3) 08:11 (3)	05:04 21:36	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:18 (1) 07:22 (1)	07:53 18:24	08:04 16:10	08:59 15:35
15	08:56 16:09	07:56 17:19	06:42 18:24	06:15 20:32	07:08 (4) 08:10 (3)	05:02 21:38	04:22 22:25	04:44 22:13	05:45 21:09	06:51 19:45	07:22 (1) 07:26 (1)	07:55 18:21	08:06 16:08	09:00 15:35
16	08:55 16:11	07:53 17:22	06:39 18:26	06:13 20:34	07:05 (4) 08:09 (3)	05:00 21:40	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:51 (4) 08:02 (4)	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	07:03 (4) 08:08 (3)	04:58 21:42	04:21 22:26	04:47 22:10	05:49 21:04	06:55 19:39	07:50 (4) 08:05 (4)	08:00 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	07:01 (4) 08:05 (3)	04:56 21:44	04:21 22:27	04:49 22:08	05:51 21:01	06:57 19:36	07:48 (4) 08:06 (4)	08:02 18:13	08:13 16:02	09:03 15:35
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	07:00 (4) 08:05 (3)	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	07:47 (4) 08:06 (4)	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	07:00 (4) 08:04 (3)	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:31	07:46 (4) 08:06 (4)	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	05:59 20:45	07:00 (4) 08:02 (3)	04:50 21:50	04:21 22:28	04:54 22:03	05:58 20:53	07:03 19:28	07:45 (4) 08:43 (3)	08:09 18:06	08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	05:57 20:48	06:59 (4) 07:58 (3)	04:48 21:52	04:21 22:28	04:56 22:01	06:00 20:51	07:06 19:25	07:44 (4) 08:46 (3)	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:36 17:38	06:19 18:42	05:54 20:50	06:59 (4) 07:20 (4)	04:47 21:54	04:22 22:28	04:58 22:00	06:02 20:48	07:08 19:22	07:44 (4) 08:47 (3)	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	06:59 (4) 07:19 (4)	04:45 21:55	04:22 22:28	05:00 21:58	06:04 20:45	07:10 19:19	07:44 (4) 08:49 (3)	08:15 17:58	08:25 15:53	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	07:00 (4) 07:18 (4)	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:43	07:12 19:16	07:44 (4) 08:49 (3)	07:18 16:55	08:28 15:51	09:07 15:38
26	08:39 16:32	07:28 17:45	06:11 18:48	05:46 20:57	07:01 (4) 07:16 (4)	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 19:14	07:44 (4) 08:50 (3)	07:20 16:53	08:30 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	07:02 (4) 07:14 (4)	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:11	07:46 (4) 08:51 (3)	07:22 16:50	08:32 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	05:41 21:01	07:06 (4) 07:09 (4)	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:35	07:18 19:08	07:48 (4) 08:51 (3)	07:25 16:48	08:34 15:47	09:07 15:41
29	08:33 16:39	07:20 18:02	06:02 19:55	05:39 21:03	07:28 (1) 07:32 (1)	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	08:20 (3) 08:51 (3)	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:42	07:18 18:07	06:00 19:57	05:36 21:05	07:26 (1) 07:33 (1)	04:36 22:06	04:25 22:27	05:11 21:46	06:17 20:29	07:23 19:02	08:19 (3) 08:51 (3)	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44	07:16 18:04	06:00 19:59	05:36 21:05	07:23 (1) 07:34 (1)	04:34 22:07	04:26 22:28	05:13 21:44	06:19 20:26	07:23 19:02	08:19 (3) 08:51 (3)	07:29 16:43	08:37 15:45	09:07 15:43
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207		
Total, worst case			749	89					589		256			
Sun reduction			0,37	0,46					0,43		0,31			
Oper. time red.			0,93	0,93					0,93		0,93			
Wind dir. red.			0,95	1,00					0,96		0,93			
Total reduction			0,32	0,43					0,39		0,26			
Total, real			242	38					227		68			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: BH - Pavuli

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1	09:07	11:14 (1)	08:27	07:20	08:05 (10)	06:54
	15:46	34 13:32 (3)	16:46	17:52	20:01	21:08
2	09:06	11:15 (1)	08:25	07:17	08:05 (10)	06:51
	15:47	27 13:30 (3)	16:48	17:54	20:03	21:10
3	09:06	11:15 (1)	08:23	07:14	08:06 (10)	06:48
	15:48	21 11:56 (4)	16:51	17:57	20:06	21:12
4	09:06	11:16 (1)	08:21	07:12	08:08 (10)	06:46
	15:50	16 11:54 (4)	16:53	17:59	20:08	21:14
5	09:05	11:19 (1)	08:19	07:09	08:10 (10)	06:43
	15:51	10 11:29 (1)	16:55	18:01	20:10	21:16
6	09:04	11:21 (1)	08:17	07:06	08:19 (10)	06:40
	15:53	7 11:28 (1)	16:58	18:03	20:12	21:19
7	09:04	08:14	07:03	06:37	20:19	21:25
	15:54	17:00	18:06	20:14	21:21	22:17
8	09:03	08:12	07:01	06:34	20:17	21:23
	15:56	17:03	18:08	20:17	21:23	22:18
9	09:02	08:10	06:58	06:32	20:19	21:25
	15:57	17:05	18:10	20:19	21:25	22:19
10	09:01	08:08	06:55	06:29	20:21	21:27
	15:59	17:07	18:12	20:21	21:27	22:21
11	09:00	08:05	06:52	06:26	20:23	21:29
	16:01	17:10	18:15	20:23	21:29	22:22
12	08:59	08:03	06:50	06:23	20:28	21:34
	16:03	17:12	18:17	20:26	21:31	22:22
13	08:58	08:00	06:47	06:21	20:28	21:34
	16:05	17:15	18:19	20:28	21:34	22:23
14	08:57	07:58	06:44	06:18	20:30	21:36
	16:07	17:17	18:21	20:30	21:36	22:24
15	08:56	07:56	06:41	06:15	20:32	21:38
	16:09	17:19	18:24	20:32	21:38	22:25
16	08:55	07:53	06:39	06:13	20:34	21:40
	16:11	17:22	18:26	20:34	21:40	22:25
17	08:53	07:51	06:36	06:10	20:37	21:42
	16:13	17:24	18:28	20:37	21:42	22:26
18	08:52	07:48	06:33	06:07	20:39	21:44
	16:15	17:26	18:30	20:39	21:44	22:27
19	08:50	07:46	06:30	06:05	20:41	21:46
	16:17	17:29	18:33	20:41	21:46	22:27
20	08:49	07:43	06:27	06:02	20:43	21:48
	16:19	17:31	18:35	20:43	21:48	22:27
21	08:47	07:41	06:25	05:59	20:45	21:50
	16:21	17:33	18:37	20:45	21:50	22:28
22	08:46	07:38	06:22	05:57	20:48	21:52
	16:23	17:36	18:39	20:48	21:52	22:28
23	08:44	07:35	06:19	05:54	20:50	21:53
	16:25	17:38	18:41	20:50	21:53	22:28
24	08:42	07:33	06:16	05:51	20:52	21:55
	16:28	17:40	18:44	20:52	21:55	22:28
25	08:41	07:30	06:13	05:49	20:54	21:57
	16:30	17:43	18:46	20:54	21:57	22:28
26	08:39	07:28	06:11	05:46	20:57	21:59
	16:32	17:45	18:48	20:57	21:59	22:28
27	08:37	07:25	06:08	05:44	21:01	22:02
	16:34	17:47	18:50	21:01	22:02	22:27
28	08:35	07:22	06:05	05:41	21:03	22:04
	16:37	17:50	18:52	21:03	22:04	22:27
29	08:33		07:02	05:39	21:05	22:06
	16:39		19:55	21:05	22:06	22:27
30	08:31		06:59	05:36		04:34
	16:41		19:57			22:07
31	08:29		06:57			
	16:44		19:59			
Potential sun hours	227	262	365	429	515	539
Total, worst case	115	168	79			
Sun reduction	0,13	0,22	0,37			
Oper. time red.	0,93	0,93	0,93			
Wind dir. red.	0,18	0,88	0,88			
Total reduction	0,02	0,18	0,30			
Total, real	3	31	24			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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SHADOW - Calendar

Shadow receptor: BH - Pavuli

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	July	August	September	October	November	December
1	04:26	05:15	06:21	07:25	07:34	08:39
	22:26	21:42	20:24	19:00	16:38	15:43
2	04:27	05:17	06:23	07:27	07:36	08:41
	22:26	21:39	20:21	18:57	16:36	15:42
3	04:28	05:19	06:25	07:29	07:38	08:43
	22:25	21:37	20:18	18:54	16:33	15:41
4	04:29	05:21	06:27	07:31	07:41	08:44
	22:24	21:35	20:15	18:51	16:31	15:40
5	04:30	05:23	06:29	07:33	07:43	08:46
	22:24	21:33	20:12	18:48	16:29	15:40
6	04:31	05:26	06:32	07:35	07:45	08:48
	22:23	21:30	20:10	18:46	16:27	15:39
7	04:32	05:28	06:34	07:38	07:48	08:49
	22:22	21:28	20:07	18:43	16:24	15:38
8	04:33	05:30	06:36	07:40	08:48 (10)	07:50
	22:21	21:26	20:04	18:40	16:22	15:37
9	04:35	05:32	06:38	07:42	08:43 (10)	07:52
	22:20	21:23	20:01	18:37	16:20	15:37
10	04:36	05:34	06:40	07:44	08:41 (10)	07:54
	22:19	21:21	19:59	18:35	16:18	15:36
11	04:37	05:36	06:42	07:46	08:40 (10)	07:57
	22:18	21:18	19:56	18:32	16:16	15:36
12	04:39	05:38	06:44	07:49	08:39 (10)	07:59
	22:17	21:16	19:53	18:29	16:14	15:36
13	04:40	05:40	06:46	07:51	08:38 (10)	08:01
	22:15	21:14	19:50	18:27	16:12	15:35
14	04:42	05:43	06:48	07:53	08:38 (10)	08:04
	22:14	21:11	19:47	18:24	16:10	15:35
15	04:43	05:45	06:51	07:55	08:37 (10)	08:06
	22:13	21:09	19:44	18:21	16:08	15:35
16	04:45	05:47	06:53	07:57	08:36 (10)	08:08
	22:11	21:06	19:42	18:19	16:06	15:35
17	04:47	05:49	06:55	08:00	08:37 (10)	08:10
	22:10	21:03	19:39	18:16	16:04	15:35
18	04:48	05:51	06:57	08:02	08:37 (10)	08:13
	22:08	21:01	19:36	18:13	16:02	15:35
19	04:50	05:53	06:59	08:04	08:37 (10)	08:15
	22:06	20:58	19:33	18:11	16:00	15:35
20	04:52	05:55	07:01	08:06	08:39 (10)	08:17
	22:05	20:56	19:30	18:08	16:00	15:36
21	04:54	05:57	07:03	08:09	08:40 (10)	08:19
	22:03	20:53	19:28	18:05	15:57	15:36
22	04:56	06:00	07:05	08:11	08:43 (10)	08:21
	22:01	20:50	19:25	18:03	15:55	15:36
23	04:57	06:02	07:08	08:13	08:23	09:06
	22:00	20:48	19:22	18:00	15:54	15:37
24	04:59	06:04	07:10	08:15	08:25	09:06
	21:58	20:45	19:19	17:58	15:52	15:38
25	05:01	06:06	07:12	07:18	08:27	09:07
	21:56	20:42	19:16	16:55	15:51	15:38
26	05:03	06:08	07:14	07:20	08:30	09:07
	21:54	20:40	19:14	16:53	15:50	15:39
27	05:05	06:10	07:16	07:22	08:32	09:07
	21:52	20:37	19:11	16:50	15:48	15:40
28	05:07	06:12	07:18	07:25	08:33	09:07
	21:50	20:34	19:08	16:48	15:47	15:41
29	05:09	06:15	07:20	07:27	08:35	09:07
	21:48	20:32	19:05	16:45	15:46	15:42
30	05:11	06:17	07:22	07:29	08:37	09:07
	21:46	20:29	19:02	16:43	15:44	15:43
31	05:13	06:19		07:31		09:07
	21:44	20:26		16:40		15:44
Potential sun hours	538	475	386	321	241	207
Total, worst case				252		1074
Sun reduction				0,31		0,13
Oper. time red.				0,93		0,93
Wind dir. red.				0,88		0,19
Total reduction				0,25		0,02
Total, real				63		24

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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SHADOW - Calendar

Shadow receptor: BI - Plesini
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March		April		May	June	July	August	September		October		November	December	
1	09:06 15:45	08:27 16:46	07:19 17:52		06:54 20:01	44	17:50 (8) 18:34 (8)	05:34 21:07	04:33 22:08	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	20	17:47 (8) 18:07 (8)	07:33 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54		06:51 20:03	42	17:51 (8) 18:33 (8)	05:31 21:09	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:20	10	18:04 (8) 18:14 (8)	07:26 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:56		06:48 20:05	40	17:51 (8) 18:31 (8)	05:29 21:12	04:30 22:11	04:28 22:25	05:19 21:37	06:25 20:18	19	17:59 (8) 18:18 (8)	07:29 18:54	07:38 16:33	08:42 15:41
4	09:05 15:49	08:21 16:53	07:11 17:59		06:45 20:08	38	17:52 (8) 18:30 (8)	05:26 21:14	04:29 22:13	04:29 22:24	05:21 21:35	06:27 20:15	24	17:56 (8) 18:20 (8)	07:31 18:51	07:40 16:31	08:44 15:40
5	09:05 15:51	08:18 16:55	07:09 18:01		06:43 20:10	36	17:53 (8) 18:29 (8)	05:24 21:16	04:28 22:14	04:30 22:23	05:23 21:32	06:29 20:12	29	17:53 (8) 18:23 (8)	07:33 18:48	07:43 16:29	08:46 15:39
6	09:04 15:52	08:16 16:58	07:06 18:03		06:40 20:12	33	17:54 (8) 18:27 (8)	05:22 21:18	04:27 22:15	04:31 22:22	05:25 21:30	06:31 20:09	32	17:51 (8) 18:23 (8)	07:35 18:45	07:45 16:26	08:47 15:39
7	09:03 15:54	08:14 17:00	07:03 18:05		06:37 20:14	29	17:56 (8) 18:25 (8)	05:19 21:20	04:26 22:17	04:32 22:22	05:28 21:28	06:34 20:07	35	17:49 (8) 18:24 (8)	07:37 18:43	07:47 16:24	08:49 15:38
8	09:03 15:56	08:12 17:02	07:00 18:08		06:34 20:16	24	17:58 (8) 18:22 (8)	05:17 21:22	04:26 22:18	04:33 22:21	05:30 21:25	06:36 20:04	38	17:47 (8) 18:25 (8)	07:39 18:40	07:50 16:22	08:50 15:37
9	09:02 15:57	08:09 17:05	06:58 18:10		06:31 20:19	19	18:01 (8) 18:20 (8)	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	41	17:45 (8) 18:26 (8)	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12		06:29 20:21	10	18:05 (8) 18:15 (8)	05:12 21:27	04:24 22:20	04:36 22:18	05:34 21:20	06:40 19:58	42	17:44 (8) 18:26 (8)	07:44 18:34	07:54 16:18	08:53 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15		06:26 20:23			05:10 21:29	04:23 22:21	04:37 22:17	05:36 21:18	06:42 19:55	43	17:43 (8) 18:26 (8)	07:46 18:32	07:56 16:16	08:55 15:36
12	08:59 16:03	08:02 17:12	06:49 18:17	16	17:10 (8) 17:26 (8)			05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	44	17:42 (8) 18:26 (8)	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:14	06:47 18:19	23	17:06 (8) 17:29 (8)			05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	45	17:41 (8) 18:26 (8)	07:50 18:26	08:01 16:12	08:57 15:35
14	08:57 16:07	07:58 17:17	06:44 18:21	28	17:03 (8) 17:31 (8)			05:04 21:35	04:22 22:24	04:42 22:13	05:42 21:11	06:48 19:47	46	17:40 (8) 18:26 (8)	07:53 18:24	08:03 16:10	08:58 15:35
15	08:55 16:08	07:55 17:19	06:41 18:23	32	17:00 (8) 17:32 (8)			05:02 21:37	04:22 22:24	04:43 22:12	05:45 21:08	06:50 19:44	47	17:39 (8) 18:26 (8)	07:55 18:21	08:05 16:08	08:59 15:35
16	08:54 16:10	07:53 17:21	06:38 18:26	36	16:59 (8) 17:35 (8)			05:00 21:39	04:21 22:25	04:45 22:11	05:47 21:06	06:52 19:41	48	17:38 (8) 18:26 (8)	07:57 18:18	08:08 16:06	09:00 15:35
17	08:53 16:13	07:50 17:24	06:36 18:28	37	16:58 (8) 17:35 (8)			04:58 21:41	04:21 22:26	04:47 22:09	05:49 21:03	06:55 19:39	48	17:38 (8) 18:26 (8)	07:59 18:16	08:10 16:04	09:01 15:35
18	08:51 16:15	07:48 17:26	06:33 18:30	40	16:56 (8) 17:36 (8)			04:56 21:43	04:21 22:26	04:48 22:08	05:51 21:01	06:57 19:36	48	17:37 (8) 18:25 (8)	08:02 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:45 17:29	06:30 18:32	42	16:55 (8) 17:37 (8)			04:54 21:45	04:21 22:26	04:50 22:06	05:53 20:58	06:59 19:33	47	17:37 (8) 18:24 (8)	08:04 18:10	08:14 16:00	09:03 15:35
20	08:48 16:19	07:43 17:31	06:27 18:35	44	16:53 (8) 17:37 (8)			04:52 21:47	04:21 22:27	04:52 22:04	05:55 20:55	07:01 19:30	47	17:37 (8) 18:24 (8)	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:40 17:33	06:24 18:37	45	16:52 (8) 17:37 (8)			04:50 21:49	04:21 22:27	04:54 22:03	05:57 20:53	07:03 19:27	46	17:38 (8) 18:24 (8)	08:08 18:05	08:19 15:57	09:04 15:36
22	08:45 16:23	07:38 17:36	06:22 18:39	46	16:52 (8) 17:38 (8)			04:48 21:51	04:21 22:27	04:56 22:01	05:59 20:50	07:05 19:25	45	17:38 (8) 18:23 (8)	08:11 18:03	08:21 15:55	09:05 15:36
23	08:44 16:25	07:35 17:38	06:19 18:41	47	16:51 (8) 17:38 (8)			04:46 21:53	04:21 22:27	04:57 21:59	06:02 20:47	07:07 19:22	44	17:38 (8) 18:22 (8)	08:13 18:00	08:23 15:54	09:05 15:37
24	08:42 16:28	07:33 17:40	06:16 18:43	47	16:51 (8) 17:38 (8)			04:45 21:55	04:22 22:28	04:59 21:57	06:04 20:45	07:09 19:19	43	17:38 (8) 18:21 (8)	08:15 17:58	08:25 15:52	09:06 15:38
25	08:40 16:30	07:30 17:43	06:13 18:46	47	16:50 (8) 17:37 (8)			04:43 21:57	04:22 22:28	05:01 21:55	06:06 20:42	07:12 19:16	41	17:38 (8) 18:19 (8)	07:17 16:55	08:27 15:51	09:06 15:38
26	08:38 16:32	07:27 17:45	06:10 18:48	48	16:49 (8) 17:37 (8)			04:41 21:59	04:23 22:27	05:03 21:53	06:08 20:39	07:14 19:13	39	17:39 (8) 18:18 (8)	07:20 16:53	08:29 15:49	09:06 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	47	16:50 (8) 17:37 (8)			04:40 22:00	04:23 22:27	05:05 21:51	06:10 20:37	07:16 19:10	36	17:40 (8) 18:16 (8)	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:49	06:05 18:52	47	16:50 (8) 17:37 (8)			04:38 22:02	04:24 22:27	05:07 21:49	06:12 20:34	07:18 19:08	33	17:41 (8) 18:14 (8)	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:54	47	17:49 (8) 18:36 (8)			04:37 22:04	04:24 22:27	05:09 21:47	06:14 20:31	07:20 19:05	30	17:43 (8) 18:13 (8)	07:26 16:45	08:35 15:46	09:07 15:42
30	08:31 16:41		06:59 19:57	46	17:49 (8) 18:35 (8)			04:35 22:05	04:25 22:26	05:11 21:45	06:17 20:29	07:22 19:02	25	17:45 (8) 18:10 (8)	07:29 16:43	08:37 15:44	09:07 15:43
31	08:29 16:44		06:56 19:59	45	17:49 (8) 18:34 (8)			04:34 22:07	04:34 22:07	05:13 21:43	06:19 20:26			07:31 16:40		09:06 15:44	
Potential sun hours	227	262	365		429			515	539	538	474	386		321		241	207
Total, worst case				810	315							1115		30			
Sun reduction				0,37	0,46							0,43		0,31			
Oper. time red.				0,93	0,93							0,93		0,93			
Wind dir. red.				0,98	0,98							0,98		0,98			
Total reduction				0,33	0,42							0,39		0,28			
Total, real				270	132							435		8			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: BJ - Pucites
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46 45	09:53 (1) 10:56 (4) 16:46	08:27 17:52	07:20 20:01	06:54 21:08	05:34 22:09	04:33 22:26	05:15 21:42	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:43 42
2	09:06 15:47 45	09:53 (1) 10:56 (4) 16:48	08:25 17:54	07:17 20:03	06:51 21:10	05:31 22:10	04:32 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42 45
3	09:06 15:48 46	09:53 (1) 10:56 (4) 16:51	08:23 17:57	07:14 20:06	06:48 21:12	05:29 22:12	04:31 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41 45
4	09:06 15:50 45	09:53 (1) 10:56 (4) 16:53	08:21 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40 45
5	09:05 15:51 45	09:54 (1) 10:57 (4) 16:56	08:19 18:01	07:09 20:10	06:43 21:16	05:24 22:15	04:28 22:24	05:23 21:33	06:30 20:13	07:33 18:48	07:43 16:29	08:46 15:40 47
6	09:04 15:53 46	09:54 (1) 10:58 (4) 16:58	08:17 18:03	07:06 20:12	06:40 21:19	05:22 22:16	04:27 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39 46
7	09:04 15:54 47	09:54 (1) 10:58 (4) 17:00	08:14 18:06	07:03 20:14	06:37 21:21	05:19 22:17	04:26 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:24	08:49 15:38 47
8	09:03 15:56 45	09:55 (1) 10:58 (4) 17:03	08:12 18:08	07:01 20:17	06:34 21:23	05:17 22:18	04:26 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37 45
9	09:02 15:57 45	09:54 (1) 10:57 (4) 17:05	08:10 18:10	06:58 20:19	06:32 21:25	05:15 22:19	04:25 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37 46
10	09:01 15:59 45	09:55 (1) 10:58 (4) 17:07	08:08 18:13	06:55 20:21	06:29 21:27	05:13 22:21	04:24 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:55 16:18	08:54 15:36 45
11	09:00 16:01 43	09:56 (1) 10:58 (4) 17:10	08:05 18:15	06:53 20:23	06:26 21:29	05:10 22:22	04:23 22:18	05:36 19:56	06:42 18:32	07:46 16:16	07:57 16:16	08:55 15:36 45
12	08:59 16:03 42	09:55 (1) 10:57 (4) 17:12	08:03 18:17	06:50 20:26	06:23 21:31	05:08 22:22	04:23 22:17	05:38 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36 46
13	08:58 16:05 41	09:56 (1) 10:57 (4) 17:15	08:00 18:19	06:47 20:28	06:21 21:34	05:06 22:23	04:22 22:15	05:40 21:14	06:46 19:50	07:51 18:27	08:01 16:12	08:58 15:35 46
14	08:57 16:07 39	09:56 (1) 10:56 (4) 17:17	07:58 18:21	06:44 20:30	06:18 21:36	05:04 22:24	04:22 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:04 16:10	08:59 15:35 45
15	08:56 16:09 35	09:57 (1) 10:55 (4) 17:19	07:56 18:24	06:41 20:32	06:15 21:38	05:02 22:25	04:22 22:13	05:45 21:09	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35 45
16	08:55 16:11 31	09:58 (1) 10:54 (4) 17:22	07:53 18:26	06:39 20:34	06:13 21:40	05:00 22:25	04:21 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35 44
17	08:53 16:13 22	09:59 (1) 10:51 (1) 17:24	07:51 18:28	06:36 20:37	06:10 21:42	04:58 22:26	04:21 22:10	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:02 15:35 44
18	08:52 16:15 21	09:59 (1) 10:00 (1) 17:26	07:48 18:30	06:33 20:39	06:07 21:44	04:56 22:27	04:21 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:13 16:02	09:03 15:35 43
19	08:50 16:17 20	10:00 (1) 10:01 (1) 17:29	07:46 18:33	06:30 20:41	06:05 21:46	04:54 22:27	04:21 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:35 44
20	08:49 16:19 19	10:01 (1) 10:02 (1) 17:31	07:43 18:35	06:27 20:43	06:02 21:48	04:52 22:27	04:21 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36 43
21	08:47 16:21 17	10:02 (1) 10:03 (1) 17:33	07:41 18:37	06:25 20:45	05:59 21:50	04:50 22:28	04:21 22:03	05:58 20:53	07:03 19:28	08:09 18:05	08:19 15:57	09:05 15:36 43
22	08:46 16:23 15	10:03 (1) 10:04 (1) 17:36	07:38 18:39	06:22 20:48	05:57 21:52	04:48 22:28	04:21 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:36 42
23	08:44 16:25 12	10:05 (1) 10:06 (1) 17:38	07:35 18:41	06:19 20:50	05:54 21:54	04:47 22:28	04:21 22:00	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37 43
24	08:42 16:28 8	10:07 (1) 10:08 (1) 17:40	07:33 18:44	06:16 20:52	05:51 21:55	04:45 22:28	04:22 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:52	09:06 15:38 43
25	08:41 16:30 26	10:15 (1) 10:16 (1) 17:43	07:30 18:46	06:13 20:54	05:49 21:57	04:43 22:28	04:22 21:56	06:06 20:43	07:12 19:16	08:18 17:55	08:27 15:51	09:07 15:38 43
26	08:39 16:32 27	10:17 (1) 10:18 (1) 17:45	07:28 18:48	06:11 20:57	05:46 21:59	04:42 22:28	04:23 21:54	06:08 20:40	07:14 19:14	08:20 17:53	08:30 15:50	09:07 15:39 44
27	08:37 16:34 28	10:19 (1) 10:20 (1) 17:47	07:25 18:50	06:08 20:59	05:44 22:01	04:40 22:28	04:23 21:52	06:10 20:37	07:16 19:11	08:22 17:50	08:32 15:48	09:07 15:40 44
28	08:35 16:37 29	10:21 (1) 10:22 (1) 17:50	07:22 18:52	06:05 21:01	05:41 22:02	04:38 22:28	04:24 21:50	06:12 20:34	07:18 19:08	08:25 17:48	08:34 15:47	09:07 15:41 45
29	08:33 16:39 30	10:23 (1) 10:24 (1) 17:55	07:20 19:55	06:03 21:03	05:39 22:04	04:37 22:27	04:24 21:48	06:15 20:32	07:20 19:05	08:27 17:45	08:35 15:46	09:07 15:42 46
30	08:31 16:41 31	10:25 (1) 10:26 (1) 17:57	07:18 19:57	06:01 21:05	05:36 22:06	04:36 22:27	04:25 21:46	06:17 20:29	07:22 19:02	08:37 17:43	08:45 15:44	09:07 15:44 41
Potential sun hours	227	262	365	429	515	539	538	475	386	321	241	207
Total, worst case	819											1381
Sun reduction	0,13											0,13
Oper. time red.	0,93											0,93
Wind dir. red.	0,45											0,43
Total reduction	0,05											0,05
Total, real	45											70

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BK - Raudupes
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December	
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:24	06:58 (2) 07:18 (2)	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	05:32 21:10	04:32 22:10	04:27 22:26	05:18 21:39	06:23 20:21	06:59 (2) 07:17 (2)	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:00 (2) 07:15 (2)	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:28 20:15	07:02 (2) 07:11 (2)	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:15	04:30 22:24	05:24 21:33	06:30 20:13		07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:19	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10		07:35 18:46	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:01	07:04 18:06	06:37 20:15	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07		07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	07:05 (2) 07:14 (2)	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26		07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	07:02 (2) 07:17 (2)	05:15 21:25	04:25 22:19	05:32 22:20	06:38 20:01		07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:08 17:08	06:55 18:13	06:29 20:21	07:00 (2) 07:18 (2)	05:13 21:27	04:24 22:20	05:34 21:21	06:40 19:59		07:44 18:35	07:54 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	06:59 (2) 07:19 (2)	05:11 21:29	04:24 22:21	05:36 21:18	06:42 19:56		07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	06:57 (2) 07:20 (2)	05:09 21:31	04:23 22:22	05:39 21:16	06:44 19:53		07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	06:57 (2) 07:21 (2)	05:06 21:34	04:23 22:23	05:41 21:14	06:47 19:50		07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	06:56 (2) 07:20 (2)	05:04 21:36	04:22 22:24	05:43 21:11	06:49 19:47		07:53 18:24	08:04 16:10	08:59 15:35
15	08:56 16:09	07:56 17:20	06:42 18:24	06:16 20:32	06:55 (2) 07:20 (2)	05:02 21:38	04:22 22:25	05:45 21:09	06:51 19:45		07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	06:55 (2) 07:20 (2)	05:00 21:40	04:22 22:25	05:47 21:06	06:53 19:42		07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	06:55 (2) 07:20 (2)	04:58 21:42	04:21 22:26	05:49 21:03	06:55 19:39		08:00 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:31	06:07 20:39	06:55 (2) 07:20 (2)	04:56 21:44	04:21 22:26	05:51 21:01	06:57 19:36	07:09 (2)	08:02 18:13	08:13 16:03	09:03 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	06:55 (2) 07:18 (2)	04:54 21:46	04:21 22:27	05:53 20:58	06:59 19:33	07:06 (2)	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	06:55 (2) 07:17 (2)	04:52 21:48	04:21 22:27	05:56 20:56	07:01 19:31	07:03 (2)	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	06:00 20:45	06:56 (2) 07:17 (2)	04:50 21:50	04:21 22:27	05:58 20:53	07:03 19:28	07:02 (2)	08:09 18:06	08:19 15:57	09:05 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	06:56 (2) 07:15 (2)	04:49 21:52	04:22 22:28	06:00 20:51	07:06 19:25	07:00 (2)	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:36 17:38	06:19 18:42	05:54 20:50	06:58 (2) 07:13 (2)	04:47 21:53	04:22 22:28	06:02 20:48	07:08 19:22	06:59 (2)	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	07:00 (2) 07:11 (2)	04:45 21:55	04:22 22:28	06:04 20:45	07:10 19:19	06:59 (2)	08:15 17:58	08:25 15:53	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54		04:43 21:57	04:22 22:28	06:06 20:43	07:12 19:16	06:58 (2)	08:18 17:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:57		04:42 21:59	04:23 22:28	06:08 20:40	07:14 19:14	06:57 (2)	08:20 17:52	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59		04:40 22:01	04:23 22:28	06:11 20:37	07:16 19:11	06:57 (2)	08:22 17:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	05:41 21:01		04:39 22:02	04:24 22:27	06:13 20:34	07:18 19:08	06:57 (2)	08:25 17:58	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03		04:37 22:04	04:25 22:27	06:15 20:32	07:20 19:05	06:57 (2)	08:27 17:57	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:37 21:05		04:36 22:06	04:26 22:27	06:17 20:29	07:23 19:02	06:57 (2)	08:29 17:59	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59			04:35 22:07	05:13 21:44	06:19 20:26	06:57 (2) 07:19 (2)		07:31 16:41	08:39 15:44	09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207	
Total, worst case				344				285					
Sun reduction				0,46				0,55		0,43			
Oper. time red.				0,93				0,93		0,93			
Wind dir. red.				0,99				0,99		0,99			
Total reduction				0,43				0,50		0,40			
Total, real				147				144		25			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BL - Rudzi š i 1
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:45	08:27 16:46	07:19 17:52	06:54 20:01	05:33 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:34 16:38	08:39 15:43
2	09:06 15:46	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:10	04:31 22:10	04:26 22:26	05:17 21:39	06:23 20:21	07:27 18:56	07:36 16:35	08:41 15:42
3	09:06 15:48	08:23 16:50	07:14 17:56	06:48 20:05	05:29 21:12	04:30 22:12	04:27 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	09:05 15:49	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	04:29 22:13	04:28 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:40
5	09:05 15:51	08:19 16:55	07:09 18:01	06:42 20:10	05:24 21:16	04:28 22:15	04:29 22:24	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39
6	09:04 15:52	08:16 16:58	07:06 18:03	06:40 20:12	05:21 21:18	04:27 22:16	04:31 22:23	05:25 21:30	06:31 20:09	07:35 18:45	07:45 16:26	08:48 15:38
7	09:04 15:54	08:14 17:00	07:03 18:05	06:37 20:14	05:19 21:21	04:26 22:17	04:32 22:22	05:27 21:28	06:33 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:03 15:55	08:12 17:02	07:01 18:08	06:34 20:16	05:17 21:23	04:25 22:18	04:33 22:21	05:29 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37
9	09:02 15:57	08:10 17:05	06:58 18:10	06:31 20:19	05:15 21:25	04:24 22:19	04:34 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:36
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:12 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:34	07:54 16:18	08:54 15:36
11	09:00 16:01	08:05 17:09	06:52 18:14	06:26 20:23	05:10 21:29	04:23 22:21	04:37 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:15	08:55 15:36
12	08:59 16:02	08:03 17:12	06:49 18:17	06:23 20:25	05:08 21:31	04:22 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:13	08:56 15:35
13	08:58 16:04	08:00 17:14	06:47 18:19	06:20 20:28	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:51 18:26	08:01 16:11	08:57 15:35
14	08:57 16:06	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:42 21:11	06:48 19:47	07:53 18:24	08:03 16:09	08:59 15:35
15	08:56 16:08	07:55 17:19	06:41 18:23	06:15 20:32	05:02 21:38	04:21 22:25	04:43 22:12	05:44 21:08	06:50 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:10	07:53 17:21	06:38 18:26	06:12 20:34	04:59 21:40	04:21 22:25	04:45 22:11	05:46 21:06	06:52 19:41	07:57 18:18	08:08 16:06	09:01 15:35
17	08:53 16:12	07:50 17:24	06:36 18:28	06:10 20:36	04:57 21:42	04:21 22:26	04:46 22:09	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:02 15:35
18	08:52 16:14	07:48 17:26	06:33 18:30	06:07 20:39	04:55 21:44	04:21 22:26	04:48 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	08:50 16:16	07:45 17:28	06:30 18:32	06:04 20:41	04:54 21:46	04:20 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:10	08:15 16:00	09:03 15:35
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:20 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:58	09:04 15:35
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	04:50 21:50	04:21 22:28	04:53 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 17:35	06:22 18:39	05:56 20:47	04:48 21:51	04:21 22:28	04:55 22:01	05:59 20:50	07:05 19:25	08:11 18:03	08:21 15:55	09:05 15:36
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:50	04:46 21:53	04:21 22:28	04:57 21:59	06:01 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:27	07:33 17:40	06:16 18:43	05:51 20:52	04:44 21:55	04:21 22:28	04:59 21:58	06:04 20:45	07:09 19:19	08:15 17:57	08:25 15:52	09:06 15:37
25	08:40 16:30	07:30 17:42	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:42	07:12 19:16	07:17 16:55	08:27 15:51	09:06 15:38
26	08:39 16:32	07:27 17:45	06:10 18:48	05:46 20:56	04:41 21:59	04:22 22:28	05:03 21:54	06:08 20:40	07:14 19:13	07:20 16:52	08:29 15:49	09:07 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:43 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:10	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:36	07:22 17:49	06:05 18:52	05:41 21:01	04:38 22:02	04:23 22:27	05:07 21:50	06:12 20:34	07:18 19:08	07:24 16:47	08:33 15:47	09:07 15:40
29	08:33 16:39		07:02 19:54	05:38 21:03	04:37 22:04	04:24 22:27	05:09 21:48	06:14 20:32	07:20 19:05	07:27 16:45	08:35 15:45	09:07 15:41
30	08:31 16:41		06:59 19:57	05:36 21:05	04:35 22:06	04:25 22:27	05:11 21:46	06:16 20:29	07:22 19:02	07:29 16:43	08:37 15:44	09:07 15:42
31	08:29 16:43		06:56 19:59		04:34 22:07		05:13 21:44	06:19 20:26		07:31 16:40		09:07 15:44
Potential sun hours	227	262	365	430	516	539	539	475	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BM - Saulkrasti
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	04:26 22:26	05:15 21:42	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	05:32 21:10	04:32 22:10	04:27 22:26	05:18 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:15	04:30 22:24	05:24 21:33	06:30 20:13	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:19	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:36 18:46	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:01	07:04 18:06	06:37 20:15	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:08 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:55 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	05:09 21:31	04:23 22:22	04:39 22:16	05:39 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:34	04:23 22:23	04:41 22:15	05:41 21:14	06:47 19:50	07:51 18:27	08:01 16:12	08:58 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:36	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:04 16:10	08:59 15:35
15	08:56 16:09	07:56 17:20	06:42 18:24	06:16 20:32	05:02 21:38	04:22 22:25	04:44 22:12	05:45 21:09	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
16	08:55 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	04:21 22:26	04:47 22:10	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:31	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:13 16:03	09:03 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:51 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:31	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	06:00 20:45	04:50 21:50	04:21 22:28	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:05 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:52	04:22 22:28	04:56 22:01	06:00 20:51	07:06 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:36 17:38	06:19 18:42	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:02 21:56	06:06 20:43	07:12 19:16	07:18 16:55	08:27 15:51	09:07 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:57	04:42 21:59	04:23 22:28	05:04 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:11 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	05:42 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:35	07:18 19:08	07:25 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:46	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:37 21:05	04:36 22:06	04:26 22:27	05:11 21:46	06:17 20:29	07:23 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:44	06:19 20:26		07:32 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BN - Silkaleji
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

		January	February	March	April	May	June	July	August	September	October	November	December	
1	09:07	09:50 (13)	08:27	07:20	06:54	05:34	04:33	04:26	05:15	06:21	07:24	07:34	08:39	09:29 (13)
	15:45	10	10:00 (13)	16:46	17:52	20:01	21:07	22:09	22:26	21:41	20:23	18:59	16:38	15:43
2	09:06	09:49 (13)	08:25	07:17	06:51	05:31	04:31	04:27	05:17	06:23	07:27	07:36	08:41	09:29 (13)
	15:47	11	10:00 (13)	16:48	17:54	20:03	21:10	22:10	22:26	21:39	20:21	18:57	16:36	15:42
3	09:06	09:48 (13)	08:23	07:14	06:48	05:29	04:30	04:28	05:19	06:25	07:29	07:38	08:43	09:30 (13)
	15:48	13	10:01 (13)	16:51	17:56	20:06	21:12	22:12	22:25	21:37	20:18	18:54	16:33	15:41
4	09:05	09:47 (13)	08:21	07:11	06:45	05:26	04:29	04:29	05:21	06:27	07:31	07:41	08:44	09:31 (13)
	15:49	15	10:02 (13)	16:53	17:59	20:08	21:14	22:13	22:24	21:35	20:15	18:51	16:31	15:40
5	09:05	09:47 (13)	08:19	07:09	06:43	05:24	04:28	04:30	05:23	06:29	07:33	07:43	08:46	09:32 (13)
	15:51	17	10:04 (13)	16:55	18:01	20:10	21:16	22:15	22:24	21:33	20:12	18:48	16:29	15:39
6	09:04	09:47 (13)	08:16	07:06	06:40	05:22	04:27	04:31	05:25	06:31	07:35	07:45	08:48	09:32 (13)
	15:52	17	10:04 (13)	16:58	18:03	20:12	21:18	22:17	22:23	21:30	20:10	18:45	16:26	15:38
7	09:04	09:47 (13)	08:14	07:03	06:37	05:19	04:26	04:32	05:27	06:34	07:37	07:48	08:49	09:33 (13)
	15:54	18	10:05 (13)	17:00	18:06	20:14	21:21	22:17	22:22	21:28	20:07	18:43	16:24	15:38
8	09:03	09:46 (13)	08:12	07:01	06:34	05:17	04:25	04:33	05:30	06:36	07:40	07:50	08:51	09:35 (13)
	15:56	19	10:05 (13)	17:02	18:08	20:17	21:23	22:18	22:21	21:26	20:04	18:40	16:22	15:37
9	09:02	09:46 (13)	08:10	06:58	06:32	05:15	04:25	04:34	05:32	06:38	07:42	07:52	08:52	09:37 (13)
	15:57	20	10:06 (13)	17:05	18:10	20:19	21:25	22:19	22:20	21:23	20:01	18:37	16:20	15:37
10	09:01	09:46 (13)	08:07	06:55	06:29	05:12	04:24	04:36	05:34	06:40	07:44	07:54	08:54	09:38 (13)
	15:59	21	10:07 (13)	17:07	18:12	20:21	21:27	22:20	22:19	21:21	19:58	18:35	16:18	15:36
11	09:00	09:47 (13)	08:05	06:52	06:26	05:10	04:23	04:37	05:36	06:42	07:46	07:57	08:55	09:40 (13)
	16:01	21	10:08 (13)	17:10	18:15	20:23	21:29	22:21	22:18	21:18	19:56	18:32	16:16	15:36
12	08:59	09:46 (13)	08:03	06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:48	07:59	08:56	09:41 (13)
	16:03	22	10:08 (13)	17:12	18:17	20:25	21:31	22:22	22:16	21:16	19:53	18:29	16:14	15:35
13	08:58	09:47 (13)	08:00	06:47	06:21	05:06	04:22	04:40	05:40	06:46	07:51	08:01	08:58	09:42 (13)
	16:04	22	10:09 (13)	17:14	18:19	20:28	21:33	22:23	22:15	21:13	19:50	18:26	16:12	15:35
14	08:57	09:46 (13)	07:58	06:44	06:18	05:04	04:22	04:42	05:42	06:48	07:53	08:04	08:59	09:44 (13)
	16:06	24	10:10 (13)	17:17	18:21	20:30	21:36	22:24	22:14	21:11	19:47	18:24	16:10	15:35
15	08:56	09:47 (13)	07:55	06:41	06:15	05:02	04:21	04:43	05:44	06:50	07:55	08:06	08:56	09:45 (13)
	16:08	24	10:11 (13)	17:19	18:24	20:32	21:38	22:25	22:12	21:08	19:44	18:21	16:08	15:35
16	08:54	09:47 (13)	07:53	06:38	06:12	05:00	04:21	04:45	05:47	06:53	07:57	08:08	08:56	09:46 (13)
	16:10	24	10:11 (13)	17:21	18:26	20:34	21:40	22:25	22:11	21:06	19:42	18:18	16:06	15:35
17	08:53	09:47 (13)	07:51	06:36	06:10	04:58	04:21	04:47	05:49	06:55	07:59	08:10	08:56	09:47 (13)
	16:12	24	10:11 (13)	17:24	18:28	20:36	21:42	22:26	22:10	21:03	19:39	18:16	16:04	15:35
18	08:52	09:48 (13)	07:48	06:33	06:07	04:56	04:21	04:48	05:51	06:57	08:02	08:12	08:56	09:48 (13)
	16:14	24	10:12 (13)	17:26	18:30	20:39	21:44	22:27	22:08	21:01	19:36	18:13	16:02	15:35
19	08:50	09:48 (13)	07:46	06:30	06:04	04:54	04:21	04:50	05:53	06:59	08:04	08:15	08:56	09:48 (13)
	16:17	24	10:12 (13)	17:29	18:32	20:41	21:46	22:27	22:06	20:58	19:33	18:10	16:00	15:35
20	08:49	09:49 (13)	07:43	06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:17	08:56	09:48 (13)
	16:19	23	10:12 (13)	17:31	18:35	20:43	21:48	22:27	22:05	20:56	19:30	18:08	15:59	15:35
21	08:47	09:49 (13)	07:40	06:25	05:59	04:50	04:21	04:54	05:57	07:03	08:08	08:19	08:56	09:48 (13)
	16:21	23	10:12 (13)	17:33	18:37	20:45	21:50	22:28	22:03	20:53	19:27	18:05	15:57	15:36
22	08:46	09:50 (13)	07:38	06:22	05:56	04:48	04:21	04:55	05:59	07:05	08:11	08:21	08:56	09:48 (13)
	16:23	22	10:12 (13)	17:36	18:39	20:48	21:52	22:28	22:01	20:50	19:25	18:03	15:55	15:36
23	08:44	09:50 (13)	07:35	06:19	05:54	04:46	04:21	04:57	06:02	07:07	08:13	08:23	08:56	09:48 (13)
	16:25	22	10:12 (13)	17:38	18:41	20:50	21:53	22:28	21:59	20:48	19:22	18:00	15:54	15:37
24	08:42	09:51 (13)	07:33	06:16	05:51	04:45	04:21	04:59	06:04	07:09	08:15	08:25	08:56	09:48 (13)
	16:27	21	10:12 (13)	17:40	18:43	20:52	21:55	22:28	21:58	20:45	19:19	17:58	15:52	15:37
25	08:41	09:52 (13)	07:30	06:13	05:49	04:43	04:22	05:01	06:06	07:12	08:18	08:27	08:56	09:48 (13)
	16:30	19	10:11 (13)	17:43	18:46	20:54	21:57	22:28	21:56	20:42	19:16	16:55	15:51	15:38
26	08:39	09:53 (13)	07:27	06:10	05:46	04:41	04:22	05:03	06:08	07:14	08:20	08:29	08:56	09:48 (13)
	16:32	18	10:11 (13)	17:45	18:48	20:56	21:59	22:28	21:54	20:40	19:13	16:52	15:49	15:39
27	08:37	09:55 (13)	07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	08:22	08:31	08:56	09:48 (13)
	16:34	15	10:10 (13)	17:47	18:50	20:59	22:01	22:28	21:52	20:37	19:11	16:50	15:48	15:40
28	08:35	09:57 (13)	07:22	06:05	05:41	04:38	04:23	05:07	06:12	07:18	08:24	08:33	08:56	09:48 (13)
	16:37	12	10:09 (13)	17:50	18:52	21:01	22:02	22:27	21:50	20:34	19:08	16:48	15:47	15:41
29	08:33	09:58 (13)		07:02	05:39	04:37	04:24	05:09	06:14	07:20	08:27	08:35	08:56	09:48 (13)
	16:39	8	10:06 (13)		19:55	21:03	22:04	22:27	21:48	20:32	19:05	16:45	15:45	15:42
30	08:31			06:59	05:36	04:35	04:25	05:11	06:17	07:22	08:29	08:37	08:56	09:48 (13)
	16:41			19:57	21:05	22:06	22:27	21:46	20:29	19:02	16:43	15:44	15:43	15:43
31	08:29			06:56		04:34		05:13	06:19		07:31		08:56	09:48 (13)
	16:43			19:59		22:07		21:44	20:26		16:40		15:44	15:44
Potential sun hours	227		262	365	429	516	539	539	475	386	321	241	207	234
Total, worst case		553											374	0,13
Sun reduction		0,13											0,15	0,13
Oper. time red.		0,93											0,93	0,93
Wind dir. red.		0,55											0,55	0,55
Total reduction		0,07											0,08	0,06
Total, real		37											29	15

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BO - Silkalni
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:19 17:52	06:54 20:01	05:34 21:07	04:33 22:08	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:33 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:09	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:20	07:27 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:56	06:48 20:05	05:29 21:12	04:31 22:11	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:42 15:41
4	09:05 15:50	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	04:29 22:13	04:29 22:24	05:21 21:34	06:27 20:15	07:31 18:51	07:40 16:31	08:44 15:40
5	09:05 15:51	08:18 16:55	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:14	04:30 22:23	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:27 22:15	04:31 22:22	05:26 21:30	06:31 20:09	07:35 18:46	07:45 16:27	08:47 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:19 21:20	04:27 22:17	04:32 22:21	05:28 21:28	06:34 20:07	07:37 18:43	07:47 16:24	08:49 15:38
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9	09:02 15:58	08:09 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:18	05:34 21:20	06:40 19:58	07:44 18:35	07:54 16:18	08:53 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:24 22:21	04:38 22:17	05:36 21:18	06:42 19:55	07:46 18:32	07:56 16:16	08:55 15:36
12	08:59 16:03	08:02 17:12	06:49 18:17	06:23 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:14	06:47 18:19	06:21 20:27	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:50 18:26	08:01 16:12	08:57 15:35
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:13	05:42 21:11	06:48 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:55 16:09	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:24	04:44 22:12	05:45 21:08	06:50 19:44	07:55 18:21	08:05 16:08	08:59 15:35
16	08:54 16:11	07:53 17:22	06:38 18:26	06:13 20:34	05:00 21:39	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:41	07:57 18:18	08:08 16:06	09:00 15:35
17	08:53 16:13	07:50 17:24	06:36 18:28	06:10 20:36	04:58 21:41	04:21 22:25	04:47 22:09	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:01 15:35
18	08:51 16:15	07:48 17:26	06:33 18:30	06:07 20:38	04:56 21:43	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:45 17:29	06:30 18:32	06:05 20:41	04:54 21:45	04:21 22:26	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:14 16:01	09:03 15:35
20	08:48 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:47	04:21 22:27	04:52 22:04	05:55 20:55	07:01 19:30	08:06 18:08	08:16 15:59	09:04 15:36
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:04 15:36
22	08:45 16:23	07:38 17:36	06:22 18:39	05:57 20:47	04:48 21:51	04:21 22:27	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:27	04:58 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:05 15:37
24	08:42 16:28	07:33 17:40	06:16 18:43	05:51 20:52	04:45 21:55	04:22 22:27	04:59 21:57	06:04 20:45	07:09 19:19	08:15 17:58	08:25 15:52	09:06 15:38
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:27	05:01 21:55	06:06 20:42	07:12 19:16	07:17 18:55	08:27 15:51	09:06 15:38
26	08:38 16:32	07:27 17:45	06:10 18:48	05:46 20:56	04:42 21:58	04:23 22:27	05:03 21:53	06:08 20:40	07:14 19:13	07:20 18:53	08:29 15:50	09:06 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:58	04:40 22:00	04:23 22:27	05:05 21:51	06:10 20:37	07:16 19:11	07:22 18:50	08:31 15:48	09:06 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:49	06:12 20:34	07:18 19:08	07:24 18:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:54	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:47	06:15 20:31	07:20 19:05	07:27 18:45	08:35 15:46	09:07 15:42
30	08:31 16:41		06:59 19:57	05:36 21:05	04:36 22:05	04:25 22:26	05:11 21:45	06:17 20:29	07:22 19:02	07:29 18:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:34 22:07		05:13 21:43	06:19 20:26		07:31 16:40		09:06 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: BP - Silveveri
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January		February		March		April		May		June		July		August		September		October		November		December		
1	09:07		11:29 (3)	08:27	09:00 (1)	07:20	06:54	05:34	04:33	04:26	05:15	06:21	07:25		07:34		08:26 (1)	08:39	09:29 (4)		07:34		08:26 (1)	08:39	
	15:46	30	11:59 (3)	16:46	10:12 (4)	17:52	20:01	21:08	22:09	22:26	21:42	20:24	19:00		16:38	25	08:51 (1)	15:43	38	11:41 (3)		16:38	25	08:51 (1)	15:43
2	09:06		11:30 (3)	08:25	08:57 (1)	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27		07:36		08:25 (1)	08:41	09:31 (4)		07:36		08:25 (1)	08:41	
	15:47	28	11:58 (3)	16:48	10:11 (4)	17:54	20:03	21:10	22:10	22:26	21:39	20:21	18:57		16:36	25	08:50 (1)	15:42	36	11:42 (3)		16:36	25	08:50 (1)	15:42
3	09:06		11:30 (3)	08:23	08:57 (1)	07:14	06:48	05:29	04:31	04:28	05:19	06:25	07:29		07:38		08:25 (1)	08:43	09:32 (4)		07:38		08:25 (1)	08:43	
	15:48	28	11:58 (3)	16:51	10:10 (4)	17:57	20:06	21:12	22:12	22:25	21:37	20:18	18:54		16:33	26	08:51 (1)	15:41	35	11:43 (3)		16:33	26	08:51 (1)	15:41
4	09:06		11:30 (3)	08:21	08:57 (1)	07:12	06:46	05:27	04:29	04:29	05:21	06:27	07:31		07:41		08:25 (1)	08:44	09:34 (4)		07:41		08:25 (1)	08:44	
	15:50	28	11:58 (3)	16:53	10:08 (4)	17:59	20:08	21:14	22:13	22:24	21:35	20:15	18:51		16:31	25	08:50 (1)	15:40	33	11:44 (3)		16:31	25	08:50 (1)	15:40
5	09:05		11:32 (3)	08:19	08:56 (1)	07:09	06:43	05:24	04:28	04:30	05:24	06:30	07:33		07:43		08:26 (1)	08:46	09:35 (4)		07:43		08:26 (1)	08:46	
	15:51	27	11:59 (3)	16:56	10:05 (4)	18:01	20:10	21:16	22:15	22:24	21:33	20:13	18:48		16:29	24	08:50 (1)	15:40	26	11:45 (3)		16:29	24	08:50 (1)	15:40
6	09:04		11:33 (3)	08:17	08:56 (1)	07:06	06:40	05:22	04:27	04:31	05:26	06:32	07:35		07:45		08:25 (1)	08:48	09:36 (4)		07:45		08:25 (1)	08:48	
	15:53	26	11:59 (3)	16:58	09:21 (1)	18:03	20:12	21:19	22:16	22:23	21:30	20:10	18:46		16:27	33	09:35 (4)	15:39	26	11:45 (3)		16:27	33	09:35 (4)	15:39
7	09:04		11:34 (3)	08:14	08:55 (1)	07:03	06:37	05:19	04:26	04:32	05:28	06:34	07:38		07:48		08:26 (1)	08:49	09:37 (4)		07:48		08:26 (1)	08:49	
	15:54	25	11:59 (3)	17:00	09:21 (1)	18:06	20:15	21:21	22:17	22:22	21:28	20:07	18:43		16:24	37	09:38 (4)	15:38	27	11:45 (3)		16:24	37	09:38 (4)	15:38
8	09:03		09:50 (4)	08:12	08:56 (1)	07:01	06:34	05:17	04:26	04:33	05:30	06:36	07:40		07:50		08:28 (1)	08:51	09:38 (4)		07:50		08:28 (1)	08:51	
	15:56	34	12:00 (3)	17:03	09:21 (1)	18:08	20:17	21:23	22:18	22:21	21:26	20:04	18:40		16:22	39	09:41 (4)	15:37	27	11:46 (3)		16:22	39	09:41 (4)	15:37
9	09:02		09:48 (4)	08:10	08:55 (1)	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42		07:52		08:28 (1)	08:52	09:39 (4)		07:52		08:28 (1)	08:52	
	15:58	35	11:59 (3)	17:05	09:21 (1)	18:10	20:19	21:25	22:19	22:20	21:23	20:01	18:37		16:20	40	09:41 (4)	15:37	28	11:47 (3)		16:20	40	09:41 (4)	15:37
10	09:01		09:48 (4)	08:08	08:56 (1)	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44		07:55		08:31 (1)	08:54	09:40 (4)		07:55		08:31 (1)	08:54	
	15:59	36	11:59 (3)	17:07	09:21 (1)	18:13	20:21	21:27	22:21	22:19	21:21	19:59	18:35		16:18	39	09:43 (4)	15:36	28	11:47 (3)		16:18	39	09:43 (4)	15:36
11	09:00		09:47 (4)	08:05	08:56 (1)	06:53	06:26	05:10	04:23	04:38	05:36	06:42	07:46		07:57		08:33 (1)	08:55	09:41 (4)		07:57		08:33 (1)	08:55	
	16:01	38	11:59 (3)	17:10	09:20 (1)	18:15	20:23	21:29	22:22	22:18	21:18	19:56	18:32		16:16	37	09:43 (4)	15:36	29	11:49 (3)		16:16	37	09:43 (4)	15:36
12	08:59		09:46 (4)	08:03	08:57 (1)	06:50	06:24	05:08	04:23	04:39	05:38	06:44	07:49		07:59		08:36 (1)	08:56	09:42 (4)		07:59		08:36 (1)	08:56	
	16:03	37	11:58 (3)	17:12	09:20 (1)	18:17	20:26	21:31	22:22	22:17	21:16	19:53	18:29		16:14	35	09:45 (4)	15:36	30	11:49 (3)		16:14	35	09:45 (4)	15:36
13	08:58		09:46 (4)	08:00	08:58 (1)	06:47	06:21	05:06	04:22	04:40	05:40	06:46	07:51		08:01		08:39 (1)	08:58	09:43 (4)		08:01		08:39 (1)	08:58	
	16:05	36	11:57 (3)	17:15	09:19 (1)	18:19	20:28	21:34	22:23	22:15	21:14	19:50	18:27		16:12	30	09:46 (4)	15:35	30	11:49 (3)		16:12	30	09:46 (4)	15:35
14	08:57		09:45 (4)	07:58	08:58 (1)	06:44	06:18	05:04	04:22	04:42	05:43	06:49	07:53		08:04		08:39 (1)	08:59	09:44 (4)		08:04		08:39 (1)	08:59	
	16:07	36	11:56 (3)	17:17	09:18 (1)	18:22	20:30	21:36	22:24	22:14	21:11	19:47	18:24		16:10	27	09:46 (4)	15:35	29	11:50 (3)		16:10	27	09:46 (4)	15:35
15	08:56		09:45 (4)	07:56	09:00 (1)	06:41	06:15	05:02	04:22	04:44	05:45	06:51	07:55		08:06		08:39 (1)	09:00	09:45 (4)		08:06		08:39 (1)	09:00	
	16:09	34	11:55 (3)	17:19	09:17 (1)	18:24	20:32	21:38	22:25	22:13	21:09	19:45	18:21		16:08	27	09:46 (4)	15:35	30	11:51 (3)		16:08	27	09:46 (4)	15:35
16	08:55		09:45 (4)	07:53	09:02 (1)	06:39	06:13	05:00	04:21	04:45	05:47	06:53	07:57		08:08		08:39 (1)	09:01	09:46 (4)		08:08		08:39 (1)	09:01	
	16:11	29	11:52 (3)	17:22	09:14 (1)	18:26	20:34	21:40	22:25	22:11	21:06	19:42	18:19		16:06	28	09:46 (4)	15:35	30	11:51 (3)		16:06	28	09:46 (4)	15:35
17	08:53		09:44 (4)	07:51	09:06 (1)	06:36	06:10	04:58	04:21	04:47	05:49	06:55	08:00		08:10		08:39 (1)	09:02	09:47 (4)		08:10		08:39 (1)	09:02	
	16:13	24	10:08 (4)	17:24	09:11 (1)	18:28	20:37	21:42	22:26	22:10	21:03	19:39	18:16		16:04	28	09:47 (4)	15:35	31	11:52 (3)		16:04	28	09:47 (4)	15:35
18	08:52		09:45 (4)	07:48	08:52 (1)	06:07	04:56	04:21	04:49	05:51	06:57	08:02		08:13		08:39 (1)	09:03	09:48 (4)		08:13		08:39 (1)	09:03		
	16:15	25	10:10 (4)	17:26	09:13 (1)	18:30	20:39	21:44	22:27	22:08	21:01	19:36	18:13		16:02	28	09:47 (4)	15:35	30	11:52 (3)		16:02	28	09:47 (4)	15:35
19	08:50		09:45 (4)	07:46	08:50 (1)	06:05	04:54	04:21	04:50	05:53	06:59	08:04		08:15		08:39 (1)	09:03	09:49 (4)		08:15		08:39 (1)	09:03		
	16:17	26	10:11 (4)	17:29	09:13 (1)	18:33	20:41	21:46	22:27	22:06	20:58	19:33	18:11		16:01	27	09:47 (4)	15:35	30	11:52 (3)		16:01	27	09:47 (4)	15:35
20	08:49		09:44 (4)	07:43	08:49 (1)	06:02	04:52	04:21	04:52	05:55	07:01	08:06		08:17		08:39 (1)	09:04	09:50 (4)		08:17		08:39 (1)	09:04		
	16:19	27	10:11 (4)	17:31	09:15 (1)	18:35	20:43	21:48	22:27	22:05	20:56	19:30	18:08		15:59	28	09:47 (4)	15:36	31	11:53 (3)		15:59	28	09:47 (4)	15:36
21	08:47		09:44 (4)	07:41	08:47 (1)	06:05	05:59	04:50	04:21	04:54	05:58	07:03	08:09		08:19		08:39 (1)	09:05	09:51 (4)		08:19		08:39 (1)	09:05	
	16:21	27	10:11 (4)	17:33	09:16 (1)	18:37	20:45	21:50	22:28	22:03	20:53	19:28	18:05		15:57	28	09:48 (4)	15:36	31	11:54 (3)		15:57	28	09:48 (4)	15:36
22	08:46		09:44 (4)	07:38	08:46 (1)	06:02	05:57	04:48	04:21	04:56	06:00	07:05	08:11		08:21		08:39 (1)	09:05	09:52 (4)		08:21		08:39 (1)	09:05	
	16:23	28	10:12 (4)	17:36	09:17 (1)	18:39	20:48	21:52	22:28	22:01	20:50	19:25	18:03		15:56	27	09:47 (4)	15:37	31	11:54 (3)		15:56	27	09:47 (4)	15:37
23	08:44		09:45 (4)	07:35	08:44 (1)	06:01	05:54	04:47	04:21	04:58	06:02	07:08	08:13		08:23		08:39 (1)	09:06	09:53 (4)		08:23		08:39 (1)	09:06	
	16:25	27	10:12 (4)	17:38	09:18 (1)	18:41	20:50	21:54	22:28	22:00	20:48	19:22	18:00		15:54	26	09:48 (4)	15:37	31	11:55 (3)		15:54	26	09:48 (4)	15:37
24	08:42		09:45 (4)	07:33	08:42 (1)	06:06	05:52	04:45	04:22	04:59	06:04	07:10	08:15		08:25		08:39 (1)	09:06	09:54 (4)		08:25		08:39 (1)	09:06	
	16:28	28	10:13 (4)	17:40	09:19 (1)	18:44	20:52	21:55	22:28	21:58	20:45	19:19	17:58		15:52	25	09:47 (4)	15:38	30	11:55 (3)		15:5			

Shadow receptor: BQ - Smilgas
Assumptions for shadow calculations

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

		January	February	March	April	May	June	July	August	September	October	November	December
1	09:07	10:39 (3)	08:27	09:14 (4)	07:20	06:54	05:34	04:33	04:26	05:15	06:21	07:25	07:34
	15:46	30	11:09 (3)	16:46	25	09:39 (4)	17:52	20:01	22:09	22:26	21:42	20:24	19:00
2	09:06	10:39 (3)	08:25	09:14 (4)	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36
	15:47	30	11:09 (3)	16:48	25	09:39 (4)	17:54	20:04	22:10	22:26	21:39	20:21	18:57
3	09:06	10:39 (3)	08:23	09:14 (4)	07:14	06:48	05:29	04:31	04:28	05:19	06:25	07:29	07:38
	15:48	30	11:09 (3)	16:51	25	09:39 (4)	17:57	20:06	22:12	22:22	21:37	20:18	18:54
4	09:06	10:39 (3)	08:21	09:15 (4)	07:12	06:46	05:27	04:29	04:29	05:21	06:27	07:31	07:41
	15:50	31	11:10 (3)	16:53	25	09:40 (4)	17:59	20:08	22:14	22:13	21:35	20:15	18:51
5	09:05	10:40 (3)	08:19	09:15 (4)	07:09	06:43	05:24	04:28	04:30	05:24	06:30	07:33	07:43
	15:51	31	11:11 (3)	16:56	24	09:39 (4)	18:07	20:10	22:16	22:15	21:33	20:13	18:48
6	09:04	10:41 (3)	08:17	09:15 (4)	07:06	06:40	05:22	04:27	04:31	05:26	06:32	07:35	07:45
	15:53	30	11:11 (3)	16:58	24	09:39 (4)	18:03	20:12	22:19	22:16	21:30	20:10	18:46
7	09:04	10:41 (3)	08:14	09:15 (4)	07:04	06:37	05:20	04:26	04:32	05:28	06:34	07:38	07:48
	15:54	31	11:12 (3)	17:00	23	09:38 (4)	18:06	20:15	22:21	22:17	21:28	20:07	18:43
8	09:03	10:42 (3)	08:12	09:17 (4)	07:01	06:34	05:17	04:26	04:33	05:30	06:36	07:40	07:50
	15:56	30	11:12 (3)	17:03	21	09:38 (4)	18:08	20:17	22:23	22:18	21:26	20:04	18:40
9	09:02	10:42 (3)	08:10	09:40 (1)	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52
	15:58	30	11:12 (3)	17:05	21	09:37 (4)	18:10	20:19	22:25	22:19	21:20	20:01	18:37
10	09:01	10:43 (3)	08:08	09:38 (1)	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44	07:55
	15:59	29	11:12 (3)	17:07	23	09:36 (4)	18:13	20:21	22:27	22:21	21:19	21:01	18:35
11	09:00	10:43 (3)	08:05	08:35 (1)	06:53	06:26	05:10	04:23	04:38	05:36	06:42	07:46	07:57
	16:01	30	11:13 (3)	17:10	24	09:34 (4)	18:15	20:23	22:29	22:22	21:18	19:56	18:32
12	08:59	10:43 (3)	08:03	08:33 (1)	06:50	06:24	05:08	04:23	04:39	05:38	06:44	07:49	07:59
	16:03	29	11:07 (3)	17:12	23	09:32 (4)	18:17	20:21	22:27	22:21	21:16	19:53	18:29
13	08:58	10:45 (3)	08:00	08:30 (1)	06:47	06:21	05:06	04:22	04:40	05:40	06:46	07:51	08:01
	16:05	28	11:13 (3)	17:15	18	08:48 (1)	18:19	20:28	22:34	22:23	21:15	19:50	18:27
14	08:57	10:45 (3)	07:58	08:27 (1)	06:44	06:18	05:04	04:22	04:42	05:43	06:49	07:53	08:04
	16:07	27	11:12 (3)	17:17	21	08:48 (1)	18:22	20:30	22:36	22:24	21:11	19:47	18:24
15	08:56	10:46 (3)	07:56	08:28 (1)	06:41	06:15	05:02						

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: BR - Soles
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December		
1	09:06 15:45	08:27 16:46	07:19 17:52	06:54 20:01	19:22 (8) 19:32 (8)	05:34 21:07	04:33 22:08	04:26 22:26	05:15 21:41	06:21 20:23	19:15 (8) 19:33 (8)	07:24 18:59	07:33 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	19:20 (8) 19:34 (8)	05:31 21:09	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:20	19:15 (8) 19:34 (8)	07:26 18:56	07:36 16:36	08:40 15:42
3	09:05 15:48	08:23 16:51	07:14 17:56	06:48 20:05	19:18 (8) 19:36 (8)	05:29 21:12	04:30 22:11	04:28 22:25	05:19 21:37	06:25 20:18	19:14 (8) 19:34 (8)	07:29 18:54	07:38 16:33	08:42 15:41
4	09:05 15:49	08:21 16:53	07:11 17:59	06:45 20:07	19:17 (8) 19:37 (8)	05:26 21:14	04:29 22:13	04:29 22:24	05:21 21:34	06:27 20:15	19:13 (8) 19:35 (8)	07:31 18:51	07:40 16:31	08:44 15:40
5	09:04 15:51	08:18 16:55	07:09 18:01	06:42 20:10	19:17 (8) 19:38 (8)	05:24 21:16	04:28 22:14	04:30 22:23	05:23 21:32	06:29 20:12	19:12 (8) 19:34 (8)	07:33 18:48	07:43 16:29	08:46 15:39
6	09:04 15:52	08:16 16:58	07:06 18:03	06:40 20:12	19:16 (8) 19:38 (8)	05:22 21:18	04:27 22:15	04:31 22:22	05:25 21:30	06:31 20:09	19:12 (8) 19:34 (8)	07:35 18:45	07:45 16:26	08:47 15:39
7	09:03 15:54	08:14 17:00	07:03 18:05	06:37 20:14	19:15 (8) 19:37 (8)	05:19 21:20	04:26 22:17	04:32 22:21	05:27 21:28	06:33 20:07	19:12 (8) 19:33 (8)	07:37 18:43	07:47 16:24	08:49 15:38
8	09:02 15:56	08:12 17:02	07:00 18:08	06:34 20:16	19:15 (8) 19:37 (8)	05:17 21:22	04:25 22:18	04:33 22:20	05:30 21:25	06:36 20:04	19:12 (8) 19:33 (8)	07:39 18:40	07:49 16:22	08:50 15:37
9	09:02 15:57	08:09 17:05	06:58 18:10	06:31 20:19	19:16 (8) 19:36 (8)	05:15 21:25	04:25 22:19	04:35 22:19	05:32 21:23	06:38 20:01	19:12 (8) 19:30 (8)	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	19:16 (8) 19:35 (8)	05:12 21:27	04:24 22:20	04:36 22:18	05:34 21:20	06:40 19:58	19:13 (8) 19:27 (8)	07:44 18:34	07:54 16:18	08:53 15:36
11	09:00 16:01	08:05 17:10	06:52 18:14	06:26 20:23	19:16 (8) 19:34 (8)	05:10 21:29	04:23 22:21	04:37 22:17	05:36 21:18	06:42 19:55	19:14 (8) 19:25 (8)	07:46 18:32	07:56 16:16	08:55 15:36
12	08:59 16:03	08:02 17:12	06:49 18:17	06:23 20:25	19:18 (8) 19:33 (8)	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	19:15 (8) 19:22 (8)	07:48 18:29	07:59 16:14	08:56 15:35
13	08:58 16:05	08:00 17:14	06:47 18:19	06:20 20:27	19:20 (8) 19:30 (8)	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	19:20 (8) 18:26	07:50 18:26	08:01 16:12	08:57 15:35
14	08:57 16:06	07:58 17:17	06:44 18:21	06:18 20:30	19:30 (8) 21:35	05:04 22:24	04:22 22:13	04:42 22:11	05:42 21:11	06:48 19:47	18:26 18:24	07:53 18:24	08:03 16:10	08:58 15:35
15	08:55 16:08	07:55 17:19	06:41 18:23	06:15 20:32	21:37 22:37	05:02 22:24	04:21 22:12	04:43 22:12	05:44 21:08	06:50 19:44	18:24 18:21	07:55 18:21	08:05 16:08	08:59 15:35
16	08:54 16:10	07:53 17:21	06:38 18:26	06:12 20:34	21:39 22:39	05:00 22:25	04:21 22:11	04:45 21:06	05:47 21:06	06:52 19:41	18:21 18:18	07:57 18:18	08:08 16:06	09:00 15:35
17	08:53 16:12	07:50 17:24	06:36 18:28	06:10 20:36	21:41 22:41	04:58 22:25	04:21 22:09	04:47 21:03	05:49 21:03	06:55 19:39	18:17 18:16	07:59 18:16	08:10 16:04	09:01 15:35
18	08:51 16:15	07:48 17:26	06:33 18:30	06:07 20:38	21:43 22:43	04:56 22:26	04:21 22:08	04:48 21:00	05:51 21:00	06:57 19:36	18:16 18:13	08:01 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:45 17:28	06:30 18:32	06:04 20:41	21:45 22:45	04:54 22:26	04:21 22:06	04:50 20:58	05:53 20:58	06:59 19:33	18:14 18:10	08:14 18:04	09:03 16:00	15:35
20	08:48 16:19	07:43 17:31	06:27 18:34	06:02 20:43	21:47 22:47	04:52 22:27	04:21 22:04	04:52 20:55	05:55 20:55	07:01 19:30	18:08 18:08	08:16 18:08	09:04 15:59	15:36
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	21:49 22:49	04:50 22:27	04:21 22:03	04:54 20:53	05:57 20:53	07:03 19:27	18:08 18:05	08:19 18:05	09:04 15:57	15:36
22	08:45 16:23	07:38 17:36	06:22 18:39	05:56 20:47	21:51 22:51	04:48 22:27	04:21 22:01	04:55 20:50	05:59 20:50	07:05 19:24	18:10 18:03	08:21 18:03	09:05 15:55	15:36
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:49	21:53 22:53	04:46 22:27	04:21 21:59	04:57 20:47	06:02 20:47	07:07 19:22	18:13 18:00	08:23 18:00	09:05 15:54	15:37
24	08:42 16:27	07:32 17:40	06:16 18:43	05:51 20:52	21:55 22:55	04:45 22:27	04:22 21:57	04:59 20:45	06:04 20:45	07:09 19:19	18:15 17:57	08:25 18:02	09:06 15:52	15:38
25	08:40 16:30	07:30 17:42	06:13 18:46	05:49 20:54	21:57 22:57	04:43 22:27	04:22 21:55	05:01 20:42	06:06 20:42	07:11 19:16	18:17 18:05	08:27 18:02	09:06 15:51	15:38
26	08:38 16:32	07:27 17:45	06:10 18:48	05:46 20:56	21:58 22:58	04:41 22:27	04:22 21:53	05:03 20:39	06:08 20:39	07:14 19:13	18:18 18:02	08:29 18:02	09:06 15:49	15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:58	21:59 22:59	04:40 22:27	04:23 21:51	05:05 20:37	06:10 20:37	07:16 19:10	18:19 18:03	08:31 18:03	09:06 15:48	15:40
28	08:35 16:37	07:22 17:49	06:05 18:52	05:41 21:01	22:02 22:02	04:38 22:27	04:24 21:49	05:07 20:34	06:12 20:34	07:18 19:08	18:24 18:07	08:33 18:07	09:07 15:47	15:41
29	08:33 16:39		07:02 19:54	05:39 21:03	22:04 22:04	04:37 22:27	04:24 21:47	05:09 20:31	06:14 20:31	07:20 19:05	18:26 18:05	08:35 18:05	09:07 15:45	15:42
30	08:31 16:41		06:59 19:56	05:36 21:05	22:05 22:05	04:35 22:26	04:25 21:45	05:11 20:29	06:16 20:29	07:22 19:02	18:27 18:04	08:37 18:04	09:07 15:44	15:43
31	08:29 16:44		06:56 19:59	19:23 (8) 19:29 (8)	21:05	04:34 22:07	05:13 21:43	06:19 20:26	19:17 (8) 19:32 (8)	07:22 19:02	18:28 18:05	08:38 18:05	09:07 15:44	15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207		
Total, worst case			6	231				26	215					
Sun reduction			0,37	0,46				0,55	0,43					
Oper. time red.			0,93	0,93				0,93	0,93					
Wind dir. red.			0,99	0,99				0,99	0,99					
Total reduction			0,34	0,43				0,50	0,40					
Total, real			2	98				13	85					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BS - Stienu žī
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January		February		March	April	May	June	July	August	September	October	November	December						
1	09:07	10:02 (3)	08:27		07:20	06:54	05:34	04:33	04:26	05:15	06:21	07:25	07:34	08:08 (1)	08:39	09:48 (3)				
	15:46	22	10:24 (3)	16:46	17:52	20:01	21:08	22:09	22:26	21:42	20:24	19:00	16:38	6	08:14 (1)	15:43	23	10:11 (3)		
2	09:06	10:02 (3)	08:25		07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36		08:10 (1)	08:41		09:48 (3)		
	15:47	22	10:24 (3)	16:48	17:54	20:04	21:10	22:10	22:26	21:39	20:21	18:57	16:36	2	08:12 (1)	15:42	23	10:11 (3)		
3	09:06	10:02 (3)	08:23		07:14	06:48	05:29	04:31	04:28	05:19	06:25	07:29	07:38			08:43		09:48 (3)		
	15:48	23	10:25 (3)	16:51	17:57	20:06	21:12	22:12	22:25	21:37	20:18	18:54	16:33			15:41	23	10:11 (3)		
4	09:06	10:03 (3)	08:21		07:12	06:46	05:27	04:29	04:29	05:21	06:27	07:31	07:41			08:45		09:49 (3)		
	15:50	23	10:26 (3)	16:53	17:59	20:08	21:14	22:13	22:25	21:35	20:15	18:51	16:31			15:40	23	10:12 (3)		
5	09:05	10:03 (3)	08:19		07:09	06:43	05:24	04:28	04:30	05:24	06:30	07:33	07:43			08:46		09:49 (3)		
	15:51	23	10:26 (3)	16:56	18:01	20:10	21:16	22:15	22:24	21:33	20:13	18:49	16:29			15:40	23	10:12 (3)		
6	09:04	10:04 (3)	08:17		07:06	06:40	05:22	04:27	04:31	05:26	06:32	07:35	07:45			08:48		09:50 (3)		
	15:53	23	10:27 (3)	16:58	18:04	20:12	21:19	22:16	22:23	21:30	20:10	18:46	16:27			15:39	23	10:13 (3)		
7	09:04	10:04 (3)	08:14		07:04	06:37	05:20	04:27	04:32	05:28	06:34	07:38	07:48			08:49		09:50 (3)		
	15:54	23	10:27 (3)	17:00	18:06	20:15	21:21	22:17	22:22	21:28	20:07	18:43	16:24			15:38	22	10:12 (3)		
8	09:03	10:05 (3)	08:12		07:01	06:35	05:17	04:26	04:33	05:30	06:36	07:40	07:50			08:51		09:50 (3)		
	15:56	23	10:28 (3)	17:03	18:08	20:17	21:23	22:18	22:21	21:26	20:04	18:40	16:22			15:37	23	10:13 (3)		
9	09:02	10:04 (3)	08:10		06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52			08:52		09:51 (3)		
	15:58	23	10:27 (3)	17:05	3	08:43 (1)	18:10	20:19	21:25	22:20	21:23	20:01	16:20			15:37	23	10:14 (3)		
10	09:01	10:05 (3)	08:08		08:38 (1)	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:55			08:54		09:51 (3)		
	15:59	23	10:28 (3)	17:07	6	08:44 (1)	18:13	20:21	21:27	22:21	21:21	19:59	16:18			15:36	22	10:13 (3)		
11	09:00	10:06 (3)	08:05		08:35 (1)	06:53	06:26	05:10	04:24	04:38	05:36	06:42	07:57			08:55		09:52 (3)		
	16:01	23	10:29 (3)	17:10	10	08:45 (1)	18:15	20:23	21:29	22:22	21:19	19:56	16:16			15:36	22	10:14 (3)		
12	08:59	10:06 (3)	08:03		08:33 (1)	06:50	06:24	05:08	04:23	04:39	05:38	06:44	07:59			08:56		09:52 (3)		
	16:03	22	10:28 (3)	17:12	12	08:45 (1)	18:17	20:26	21:32	22:23	21:16	19:53	16:14			15:36	22	10:14 (3)		
13	08:58	10:07 (3)	08:01		08:30 (1)	06:47	06:21	05:06	04:22	04:40	05:40	06:46	07:51			08:58		09:53 (3)		
	16:05	22	10:29 (3)	17:15	15	08:45 (1)	18:19	20:28	21:34	22:23	21:15	19:50	16:12			15:35	21	10:14 (3)		
14	08:57	10:07 (3)	07:58		08:30 (1)	06:44	06:18	05:04	04:22	04:42	05:43	06:49	07:53			08:59		09:54 (3)		
	16:07	22	10:29 (3)	17:17	16	08:46 (1)	18:22	20:30	21:36	22:24	21:11	19:47	16:10			15:35	21	10:15 (3)		
15	08:56	10:08 (3)	07:56		08:30 (1)	06:41	06:15	05:02	04:22	04:44	05:45	06:51	07:55			09:00		09:54 (3)		
	16:09	21	10:29 (3)	17:19	15	08:45 (1)	18:24	20:32	21:38	22:25	21:09	19:45	16:08			15:35	21	10:15 (3)		
16	08:55	10:08 (3)	07:53		08:30 (1)	06:39	06:13	05:00	04:21	04:45	05:47	06:53	07:57			09:01		09:55 (3)		
	16:11	21	10:29 (3)	17:22	14	08:44 (1)	18:26	20:34	21:40	22:26	21:16	19:42	16:06			15:35	21	10:16 (3)		
17	08:53	10:10 (3)	07:51		08:32 (1)	06:36	06:10	04:58	04:21	04:47	05:49	06:55	08:00			09:02		09:55 (3)		
	16:13	19	10:29 (3)	17:24	11	08:43 (1)	18:28	20:37	21:42	22:26	21:10	19:39	16:16			15:35	21	10:16 (3)		
18	08:52	10:11 (3)	07:48		08:34 (1)	06:33	06:07	04:56	04:21	04:49	05:51	06:57	08:02			09:03		09:56 (3)		
	16:15	18	10:29 (3)	17:26	6	08:40 (1)	18:30	20:39	21:44	22:27	22:08	21:01	19:36			16:02	15:35	21	10:17 (3)	
19	08:50	10:11 (3)	07:46		06:30	06:05	04:54	04:21	04:50	05:53	06:59	08:04	08:15			09:03		09:57 (3)		
	16:17	17	10:28 (3)	17:29	18	08:33	20:41	21:46	22:27	22:07	20:58	19:33	16:01			15:35	20	10:17 (3)		
20	08:49	10:13 (3)	07:43		06:28	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:17		09:51 (3)	09:04		09:57 (3)		
	16:19	14	10:27 (3)	17:31	18	08:35	20:43	21:48	22:27	22:05	20:56	19:31	16:08		8	09:59 (3)	15:36	20	10:17 (3)	
21	08:47	10:14 (3)	07:41		06:25	05:59	04:50	04:21	04:54	05:58	07:03	08:09	08:19		09:50 (3)	09:05		09:58 (3)		
	16:21	12	10:26 (3)	17:34	18	08:37	20:46	21:50	22:28	22:03	20:53	19:28	16:05		12	10:02 (3)	15:36	20	10:18 (3)	
22	08:46	10:16 (3)	07:38		06:22	05:57	04:48	04:21	04:56	06:00	07:05	08:11	08:21		09:49 (3)	09:05		09:58 (3)		
	16:23	8	10:24 (3)	17:36	18	08:39	20:48	21:52	22:28	22:01	20:51	19:25	16:03		14	10:03 (3)	15:37	20	10:18 (3)	
23	08:44		07:36		06:19	05:54	04:47	04:21	04:58	06:02	07:08	08:13	08:23		09:49 (3)	09:06		09:59 (3)		
	16:26		17:38		18:42	20:50	21:54	22:28	22:00	20:48	19:22	18:00	15:54		16	10:05 (3)	15:37	20	10:19 (3)	
24	08:42		07:33		06:16	05:52	04:45	04:22	04:59	06:04	07:10	08:15	08:25		09:48 (3)	09:06		09:59 (3)		
	16:28		17:41		18:44	20:52	21:55	22:28	21:58	20:45	19:19	17:58	8	09:11 (1)	15:52	18	10:06 (3)	15:38	20	10:19 (3)
25	08:41		07:30		06:14	05:49	04:43	04:22	05:01	06:06	07:12	08:18	08:28		09:47 (3)	09:07		09:59 (3)		
	16:30		17:43		18:46	20:54	21:57	22:28	21:56	20:43	19:16	16:55	12	08:13 (1)	15:51	19	10:06 (3)	15:38	20	10:19 (3)
26	08:39		07:28		06:11	05:46	04:42	04:23	05:03	06:08	07:14	08:20	08:30		09:47 (3)	09:07		09:59 (3)		
	16:32		17:45		18:48	20:57	21:59	22:28	21:54	20:40	19:14	16:53	14	08:14 (1)	15:50	21	10:08 (3)	15:39	21	10:20 (3)
27	08:37		07:25		06:08	05:44	04:40	04:23	05:05	06:10	07:16	08:22	07:59		09:47 (3)	09:07		10:00 (3)		
	16:35		17:47		18:50	20:59	22:01	22:28	21:52	20:37	19:11	16:50	15	08:14 (1)	15:48	21	10:08 (3)	15:40	20	10:20 (3)
28	08:35		07:22		06:05	05:41	04:39	04:24	05:07	06:13	07:18	08:24	07:59		09:47 (3)	09:07		10:00 (3)		
	16:37		17:50		18:53	21:01	22:03	22:28	21:50	20:35	19:08	16:48	16	08:15 (1)	15:47	22	10:09 (3)	15:41	21	10:21 (3)
29	08:33				07:02	05:39	04:37	04:24	05:09	06:15	07:20	08:27	08:00		09:47 (3)	09:07		10:01 (3)		
	16:39				19:55	21:03	22:04	22:27	21:48	20:32	19:05	16:45	15	08:15 (1)	15:46	22	10:09 (3)	15:42	21	10:22 (3)
30	08:31				07:00	05:36	04:36	04:25	05:11	06:17	07:23	08:29	08:03		09:48 (3)	09:07		10:01 (3)		
	16:41				19:57	21:05	22:06	22:27	21:46	20:29	19:02	16:43	12	08:15 (1)	15:45	22	10:10 (3)	15:43	22	10:23 (3)
31	08:29				06:57		04:34		05:13	06:19		07:32	08:05			09:07		10:01 (3)		
	16:44				19:59		22:07		21:44	20:26		16:41	9	08:14 (1)		15:44	22	10:23 (3)		
Potential sun hours	227		262		365	429	515	539		538	474	386		321		241		207		665
Total, worst case	447		108										101		203					0,13
Sun reduction	0,13		0,22										0,31		0,15					0

Table layout: For each day in each month the following matrix apply

SHADOW - Calendar

Shadow receptor: BT - Straujupites
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:03	05:32 21:10	04:32 22:10	04:27 22:25	05:18 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:49	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:32	06:30 20:12	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:47 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:53 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:39 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	04:41 22:15	05:41 21:13	06:47 19:50	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:56 16:09	07:56 17:19	06:41 18:24	06:15 20:32	05:02 21:38	04:22 22:25	04:44 22:12	05:45 21:08	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	04:21 22:26	04:47 22:09	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:01 15:35
18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:03	09:02 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:51 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:05 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:51	04:22 22:28	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:57	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:40 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:43 21:57	04:23 22:28	05:02 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:56	04:42 21:59	04:23 22:28	05:04 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:00	04:24 22:27	05:05 21:52	06:11 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:36 21:05	04:36 22:06	04:26 22:26	05:11 21:46	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:43	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: BU - Sunuki
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46	08:27 16:46	09:14 (1) 17:52	07:20 20:01	06:54 21:08	05:34 22:09	04:33 22:26	05:15 21:42	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	09:15 (1) 17:54	07:17 20:04	06:51 21:10	05:31 22:10	04:32 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	09:17 (1) 17:57	07:14 20:06	06:48 21:12	05:29 22:12	04:31 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	09:06 15:50	08:21 16:53	09:19 (1) 17:59	07:12 20:08	06:46 21:14	05:27 22:13	04:29 22:25	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:45 15:40
5	09:05 15:51	08:19 16:56	09:26 (1) 17:59	07:09 20:08	06:43 21:16	05:24 22:15	04:30 22:24	05:24 21:33	06:30 20:13	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58		07:06 20:12	06:40 21:19	05:22 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:00		07:04 20:15	06:37 21:21	05:19 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:24	08:49 (1) 15:38
8	09:03 15:56	08:12 17:03		07:01 20:17	06:34 21:23	05:17 22:18	04:33 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 (1) 15:37
9	09:02 15:58	08:10 17:05		06:58 20:19	06:32 21:25	05:15 22:20	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 (1) 15:37
10	09:01 15:59	08:08 17:07		06:55 20:21	06:29 21:27	05:13 22:21	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:55 16:18	08:54 (1) 15:36
11	09:00 16:01	08:05 17:10		06:53 20:23	06:26 21:29	05:10 22:22	04:37 22:18	05:36 21:19	06:42 19:56	07:46 18:32	07:57 16:16	08:55 (1) 15:36
12	08:59 16:03	08:03 17:12		06:50 20:26	06:24 21:31	05:08 22:23	04:39 22:17	05:38 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 (1) 15:36
13	08:58 16:05	08:00 17:15		06:47 20:28	06:21 21:34	05:06 22:23	04:40 22:15	05:40 21:14	06:46 19:50	07:51 18:27	08:01 16:12	08:58 (1) 15:35
14	08:57 16:07	07:58 17:17		06:44 20:30	06:18 21:36	05:04 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:04 16:10	08:59 (1) 15:35
15	08:56 16:09	07:56 17:19		06:41 20:32	06:15 21:38	05:02 22:25	04:44 22:13	05:45 21:09	06:51 19:45	07:55 18:21	08:06 16:08	09:00 (1) 15:35
16	08:55 16:11	07:53 17:22		06:39 20:34	06:13 21:40	05:00 22:26	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 (1) 15:35
17	08:53 16:13	07:51 17:24		06:36 20:37	06:10 21:42	04:58 22:26	04:47 22:10	05:49 21:04	06:55 19:39	08:00 18:16	08:10 16:04	09:02 (1) 15:35
18	08:52 16:15	07:48 17:26		06:33 20:39	06:07 21:44	04:56 22:27	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:13 16:02	09:03 (1) 15:35
19	08:50 16:17	07:46 17:29		06:30 20:41	06:05 21:46	04:54 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 (1) 15:35
20	08:49 16:19	07:43 17:31		06:28 20:43	06:02 21:48	04:52 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 (1) 15:36
21	08:47 16:21	09:23 (1) 17:33		06:25 20:45	05:59 21:50	04:50 22:28	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:05	08:19 15:57	09:05 (1) 15:36
22	08:46 16:23	09:21 (1) 17:36		06:22 20:48	05:57 21:52	04:48 22:28	04:56 22:01	06:00 20:51	07:05 19:25	08:11 18:03	08:21 15:56	09:06 (1) 15:37
23	08:44 16:25	09:19 (1) 17:38		06:19 20:50	05:54 21:54	04:47 22:28	04:58 22:00	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:07 (1) 15:37
24	08:42 16:28	09:17 (1) 17:40		06:16 20:52	05:52 21:55	04:45 22:28	04:59 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:52	09:08 (1) 15:38
25	08:41 16:30	09:15 (1) 17:43		06:14 20:54	05:49 21:57	04:43 22:28	05:01 21:56	06:06 20:43	07:12 19:16	08:18 16:55	08:28 15:51	09:09 (1) 15:38
26	08:39 16:32	09:13 (1) 17:45		06:11 20:57	05:46 21:59	04:42 22:28	05:03 21:54	06:08 20:40	07:14 19:14	08:20 16:53	08:30 15:50	09:10 (1) 15:39
27	08:37 16:35	09:12 (1) 17:47		06:08 20:59	05:44 22:01	04:40 22:28	05:05 21:52	06:10 20:37	07:16 19:11	08:22 16:50	08:32 15:48	09:11 (1) 15:40
28	08:35 16:37	09:11 (1) 17:50		06:05 21:01	05:41 22:03	04:38 22:28	05:07 21:50	06:13 20:34	07:18 19:08	08:25 16:48	08:34 15:47	09:12 (1) 15:41
29	08:33 16:39	09:10 (1) 17:51		07:02 21:03	05:39 22:04	04:37 22:27	05:09 21:48	06:15 20:32	07:20 19:05	08:27 16:45	08:35 15:46	09:13 (1) 15:42
30	08:31 16:41	09:12 (1) 17:52		07:00 21:05	05:36 22:06	04:36 22:27	05:11 21:46	06:17 20:29	07:23 19:02	08:29 16:43	08:37 15:44	09:14 (1) 15:43
31	08:29 16:44	09:13 (1) 17:53		06:57 21:06	05:34 22:07	04:34 22:27	05:13 21:44	06:19 20:26	07:32 16:41	08:31 15:41	08:40 15:44	09:15 (1) 15:44
Potential sun hours	227	262	365	429	515	539	538	475	386	321	241	207
Total, worst case	147	48									195	
Sun reduction	0,13	0,22									0,15	
Oper. time red.	0,93	0,93									0,93	
Wind dir. red.	0,68	0,68									0,68	
Total reduction	0,08	0,14									0,10	
Total, real	12	7									19	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BV - Svetupe
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06	08:27	07:19	06:54	05:34	04:33	04:26	05:15	06:21	07:24	07:33	08:39
	15:46	16:46	17:52	20:01	21:07	22:08	22:26	21:41	20:23	18:59	16:38	15:43
2	09:06	08:25	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36	08:41
	15:47	16:48	17:54	20:03	21:09	22:10	22:25	21:39	20:21	18:57	16:36	15:42
3	09:06	08:23	07:14	06:48	05:29	04:31	04:28	05:19	06:25	07:29	07:38	08:42
	15:48	16:51	17:56	20:05	21:12	22:11	22:25	21:37	20:18	18:54	16:33	15:41
4	09:05	08:21	07:11	06:45	05:27	04:30	04:29	05:21	06:27	07:31	07:40	08:44
	15:50	16:53	17:59	20:08	21:14	22:13	22:24	21:35	20:15	18:51	16:31	15:40
5	09:05	08:18	07:09	06:43	05:24	04:28	04:30	05:24	06:29	07:33	07:43	08:46
	15:51	16:56	18:01	20:10	21:16	22:14	22:23	21:32	20:12	18:48	16:29	15:40
6	09:04	08:16	07:06	06:40	05:22	04:27	04:31	05:26	06:32	07:35	07:45	08:47
	15:53	16:58	18:03	20:12	21:18	22:15	22:22	21:30	20:09	18:46	16:27	15:39
7	09:03	08:14	07:03	06:37	05:19	04:27	04:32	05:28	06:34	07:37	07:47	08:49
	15:54	17:00	18:06	20:14	21:20	22:17	22:22	21:28	20:07	18:43	16:24	15:38
8	09:03	08:12	07:01	06:34	05:17	04:26	04:34	05:30	06:36	07:40	07:50	08:50
	15:56	17:03	18:08	20:16	21:23	22:18	22:21	21:25	20:04	18:40	16:22	15:38
9	09:02	08:10	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52	08:52
	15:58	17:05	18:10	20:19	21:25	22:19	22:20	21:23	20:01	18:37	16:20	15:37
10	09:01	08:07	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44	07:54	08:53
	15:59	17:07	18:12	20:21	21:27	22:20	22:18	21:21	19:58	18:35	16:18	15:36
11	09:00	08:05	06:52	06:26	05:10	04:24	04:38	05:36	06:42	07:46	07:56	08:55
	16:01	17:10	18:15	20:23	21:29	22:21	22:17	21:18	19:56	18:32	16:16	15:36
12	08:59	08:03	06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:48	07:59	08:56
	16:03	17:12	18:17	20:25	21:31	22:22	22:16	21:16	19:53	18:29	16:14	15:36
13	08:58	08:00	06:47	06:21	05:06	04:23	04:41	05:40	06:46	07:50	08:01	08:57
	16:05	17:15	18:19	20:27	21:33	22:23	22:15	21:13	19:50	18:26	16:12	15:35
14	08:57	07:58	06:44	06:18	05:04	04:22	04:42	05:43	06:48	07:53	08:03	08:58
	16:07	17:17	18:21	20:30	21:35	22:24	22:13	21:11	19:47	18:24	16:10	15:35
15	08:55	07:55	06:41	06:15	05:02	04:22	04:44	05:45	06:50	07:55	08:05	08:59
	16:09	17:19	18:24	20:32	21:37	22:24	22:12	21:08	19:44	18:21	16:08	15:35
16	08:54	07:53	06:38	06:13	05:00	04:21	04:45	05:47	06:53	07:57	08:08	09:00
	16:11	17:22	18:26	20:34	21:39	22:25	22:11	21:06	19:41	18:18	16:06	15:35
17	08:53	07:50	06:36	06:10	04:58	04:21	04:47	05:49	06:55	07:59	08:10	09:01
	16:13	17:24	18:28	20:36	21:41	22:26	22:09	21:03	19:39	18:16	16:04	15:35
18	08:51	07:48	06:33	06:07	04:56	04:21	04:49	05:51	06:57	08:02	08:12	09:02
	16:15	17:26	18:30	20:39	21:43	22:26	22:08	21:01	19:36	18:13	16:02	15:35
19	08:50	07:45	06:30	06:05	04:54	04:21	04:50	05:53	06:59	08:04	08:14	09:03
	16:17	17:29	18:32	20:41	21:45	22:26	22:06	20:58	19:33	18:11	16:01	15:36
20	08:48	07:43	06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:17	09:04
	16:19	17:31	18:35	20:43	21:47	22:27	22:04	20:55	19:30	18:08	15:59	15:36
21	08:47	07:40	06:25	05:59	04:50	04:21	04:54	05:57	07:03	08:08	08:19	09:04
	16:21	17:33	18:37	20:45	21:49	22:27	22:03	20:53	19:27	18:05	15:57	15:36
22	08:45	07:38	06:22	05:57	04:48	04:21	04:56	06:00	07:05	08:11	08:21	09:05
	16:23	17:36	18:39	20:47	21:51	22:27	22:01	20:50	19:25	18:03	15:56	15:37
23	08:44	07:35	06:19	05:54	04:47	04:22	04:58	06:02	07:07	08:13	08:23	09:05
	16:26	17:38	18:41	20:50	21:53	22:27	21:59	20:48	19:22	18:00	15:54	15:37
24	08:42	07:33	06:16	05:51	04:45	04:22	04:59	06:04	07:09	08:15	08:25	09:06
	16:28	17:40	18:43	20:52	21:55	22:28	21:57	20:45	19:19	17:58	15:52	15:38
25	08:40	07:30	06:13	05:49	04:43	04:22	05:01	06:06	07:12	07:17	08:27	09:06
	16:30	17:43	18:46	20:54	21:57	22:27	21:55	20:42	19:16	16:55	15:51	15:38
26	08:38	07:27	06:11	05:46	04:42	04:23	05:03	06:08	07:14	07:20	08:29	09:06
	16:32	17:45	18:48	20:56	21:59	22:27	21:53	20:40	19:13	16:53	15:50	15:39
27	08:37	07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	07:22	08:31	09:07
	16:34	17:47	18:50	20:58	22:00	22:27	21:52	20:37	19:11	16:50	15:48	15:40
28	08:35	07:22	06:05	05:41	04:39	04:24	05:07	06:12	07:18	07:24	08:33	09:07
	16:37	17:50	18:52	21:01	22:02	22:27	21:50	20:34	19:08	16:48	15:47	15:41
29	08:33		07:02	05:39	04:37	04:25	05:09	06:15	07:20	07:27	08:35	09:07
	16:39		19:54	21:03	22:04	22:27	21:47	20:31	19:05	16:45	15:46	15:42
30	08:31		06:59	05:36	04:36	04:25	05:11	06:17	07:22	07:29	08:37	09:07
	16:41		19:57	21:05	22:05	22:26	21:45	20:29	19:02	16:43	15:45	15:43
31	08:29		06:57		04:34		05:13	06:19		07:31		09:06
	16:44		19:59		22:07		21:43	20:26		16:40		15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BW - Tamisari
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

January		February		March		April		May		June	
1	09:07	10:03 (2)	08:27	07:20	07:51 (5)	06:54	07:47 (3)	05:34	06:30 (1)	04:33	
	15:46	21 10:24 (2)	16:46	17:52	15 08:06 (5)	20:01	30 08:17 (3)	21:08	4 06:34 (1)	22:09	
2	09:06	10:04 (2)	08:25	07:17	07:49 (5)	06:51	07:23 (4)	05:31		04:32	
	15:47	21 10:25 (2)	16:49	17:54	18 08:07 (5)	20:04	41 08:18 (3)	21:10		22:10	
3	09:06	10:04 (2)	08:23	07:14	07:47 (5)	06:48	07:19 (4)	05:29		04:31	
	15:48	22 10:26 (2)	16:51	17:57	21 08:08 (5)	20:06	51 08:19 (3)	21:12		22:12	
4	09:05	10:04 (2)	08:21	07:12	07:47 (5)	06:46	07:18 (4)	05:27		04:30	
	15:50	22 10:26 (2)	16:53	17:59	22 08:09 (5)	20:08	57 08:21 (3)	21:14		22:13	
5	09:05	10:04 (2)	08:19	07:09	07:46 (5)	06:43	07:16 (4)	05:24		04:29	
	15:51	24 10:28 (2)	16:56	18:01	24 08:10 (5)	20:10	62 08:21 (3)	21:16		22:15	
6	09:04	10:04 (2)	08:17	07:06	07:45 (5)	06:40	07:14 (4)	05:22		04:28	
	15:53	25 10:29 (2)	16:58	18:04	25 08:10 (5)	20:12	67 08:22 (3)	21:19		22:16	
7	09:04	10:05 (2)	08:14	07:04	07:44 (5)	06:37	07:14 (4)	05:20		04:27	
	15:54	24 10:29 (2)	17:00	18:06	25 08:09 (5)	20:15	69 08:23 (3)	21:21		22:17	
8	09:03	10:04 (2)	08:12	07:01	07:44 (5)	06:35	07:13 (4)	05:17		04:26	
	15:56	25 10:29 (2)	17:03	18:08	25 08:09 (5)	20:17	70 08:23 (3)	21:23		22:18	
9	09:02	10:04 (2)	08:10	06:58	07:45 (5)	06:32	07:12 (4)	05:15		04:25	
	15:58	26 10:30 (2)	17:05	18:10	24 08:09 (5)	20:19	71 08:23 (3)	21:25		22:19	
10	09:01	10:04 (2)	08:08	06:55	07:45 (5)	06:29	07:11 (4)	05:13		04:24	
	15:59	27 10:31 (2)	17:08	18:13	24 08:09 (5)	20:21	72 08:23 (3)	21:27		22:20	
11	09:00	10:05 (2)	08:05	06:53	07:45 (5)	06:26	07:11 (4)	05:11		04:24	
	16:01	27 10:32 (2)	17:10	18:15	22 08:07 (5)	20:23	72 08:23 (3)	21:29		22:21	
12	08:59	10:04 (2)	08:03	06:50	07:45 (5)	06:24	07:11 (4)	05:08		04:23	
	16:03	28 10:32 (2)	17:12	18:17	21 08:06 (5)	20:26	72 08:23 (3)	21:31		22:22	
13	08:58	10:05 (2)	08:00	06:47	07:46 (5)	06:21	07:11 (4)	05:06		04:23	
	16:05	28 10:33 (2)	17:15	18:19	18 08:04 (5)	20:28	71 08:22 (3)	21:34		22:23	
14	08:57	10:05 (2)	07:58	06:44	07:48 (5)	06:18	07:12 (4)	05:04		04:22	
	16:07	28 10:33 (2)	17:17	18:22	15 08:03 (5)	20:30	70 08:22 (3)	21:36		22:24	
15	08:56	10:05 (2)	07:56	06:41	07:51 (5)	06:15	07:12 (4)	05:02		04:22	
	16:09	29 10:34 (2)	17:19	18:24	9 08:00 (5)	20:32	70 08:22 (3)	21:38		22:25	
16	08:55	10:05 (2)	07:53	06:39		06:13	07:13 (4)	05:00		04:21	
	16:11	29 10:34 (2)	17:22	18:26		20:34	69 08:22 (3)	21:40		22:25	
17	08:53	10:05 (2)	07:51	06:36		06:10	06:37 (1)	04:58		04:21	
	16:13	30 10:35 (2)	17:24	18:28		20:37	68 08:21 (3)	21:42		22:26	
18	08:52	10:06 (2)	07:48	06:33		06:07	06:34 (1)	04:56		04:21	
	16:15	30 10:36 (2)	17:26	18:30		20:39	70 08:20 (3)	21:44		22:26	
19	08:50	10:06 (2)	07:46	06:30		06:05	06:32 (1)	04:54		04:21	
	16:17	30 10:36 (2)	17:29	18:33		20:41	66 08:19 (3)	21:46		22:27	
20	08:49	10:07 (2)	07:43	06:28		06:02	06:29 (1)	04:52		04:21	
	16:19	29 10:36 (2)	17:31	18:35		20:43	58 08:18 (3)	21:48		22:27	
21	08:47	10:07 (2)	07:41	06:25		05:59	06:27 (1)	04:50		04:21	
	16:21	29 10:36 (2)	17:34	18:37		20:45	60 08:18 (3)	21:50		22:28	
22	08:46	10:08 (2)	07:38	06:22		05:57	06:24 (1)	04:48		04:21	
	16:23	28 10:36 (2)	17:36	18:39		20:48	60 08:16 (3)	21:52		22:28	
23	08:44	10:08 (2)	07:35	06:19		05:54	06:24 (1)	04:47		04:22	
	16:26	28 10:36 (2)	17:38	18:42		20:50	59 08:15 (3)	21:53		22:28	
24	08:42	10:09 (2)	07:33	06:16		05:52	06:23 (1)	04:45		04:22	
	16:28	27 10:36 (2)	17:41	18:44		20:52	57 08:13 (3)	21:55		22:28	
25	08:41	10:10 (2)	07:30	06:14		05:49	06:24 (1)	04:43		04:22	
	16:30	26 10:36 (2)	17:43	18:46		20:54	54 08:12 (3)	21:57		22:28	
26	08:39	10:11 (2)	07:28	06:11		05:46	06:24 (1)	04:42		04:23	
	16:32	24 10:35 (2)	17:45	18:48		20:57	51 08:11 (3)	21:59		22:28	
27	08:37	10:12 (2)	07:25	06:08		05:44	06:24 (1)	04:40		04:23	
	16:35	23 10:35 (2)	17:47	18:50		20:59	48 08:09 (3)	22:01		22:28	
28	08:35	10:13 (2)	07:22	06:05		05:41	06:25 (1)	04:39		04:24	
	16:37	21 10:34 (2)	17:50	10 08:04 (5)	18:53	21:01	42 08:07 (3)	22:02		22:27	
29	08:33	10:14 (2)	07:02	07:02	07:58 (3)	05:39	06:26 (1)	04:37		04:25	
	16:39	19 10:33 (2)	19:55	10 08:08 (3)	21:03	05:36	35 08:05 (3)	22:04		22:27	
30	08:31	10:16 (2)	07:00	07:00	07:53 (3)	05:36	06:27 (1)	04:36		04:25	
	16:42	15 10:31 (2)	19:57	20 08:13 (3)	21:05	21:05	25 08:01 (3)	22:06		22:27	
31	08:29	10:18 (2)	06:57	06:57	07:50 (3)	04:34		04:34			
	16:44	11 10:29 (2)	19:59	26 08:16 (3)		22:07					
Potential sun hours	227		262	365		429		515		539	
Total, worst case	776		10	364		1767		4			
Sun reduction	0,13		0,22	0,37		0,46		0,58			
Oper. time red.	0,93		0,93	0,93		0,93		0,93			
Wind dir. red.	0,48		0,92	0,93		0,99		0,97			
Total reduction	0,06		0,19	0,32		0,43		0,52			
Total, real	45		2	116		752		2			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BW - Tamisari
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	July	August	September	October	November	December
1	04:26 22:26	05:15 21:42	06:21 20:24	07:10 (4) 08:22 (3)	07:25 19:00	08:39 15:44
2	04:27 22:26	05:17 21:39	06:23 20:21	07:10 (4) 08:22 (3)	07:27 18:57	08:41 15:42
3	04:28 22:25	05:19 21:37	06:25 20:18	07:10 (4) 08:21 (3)	07:29 18:54	08:43 15:41
4	04:29 22:24	05:22 21:35	06:27 20:15	07:10 (4) 08:20 (3)	07:31 18:51	08:44 15:41
5	04:30 22:24	05:24 21:33	06:30 20:13	07:10 (4) 08:19 (3)	07:33 18:49	08:46 15:40
6	04:31 22:23	05:26 21:30	06:32 20:10	07:10 (4) 08:18 (3)	07:35 18:46	08:48 15:39
7	04:32 22:22	05:28 21:28	06:34 20:07	07:11 (4) 08:17 (3)	07:38 18:43	08:49 15:38
8	04:34 22:21	05:30 21:26	06:36 20:04	07:12 (4) 08:15 (3)	07:40 18:40	08:51 15:38
9	04:35 22:20	05:32 21:23	06:38 20:01	07:13 (4) 08:14 (3)	07:42 18:38	08:52 15:37
10	04:36 22:19	05:34 21:21	06:40 19:59	07:16 (4) 08:12 (3)	07:44 18:35	08:54 15:37
11	04:38 22:18	05:36 21:18	06:42 19:56	07:39 (3) 08:10 (3)	07:46 18:32	08:55 15:36
12	04:39 22:17	05:38 21:16	06:37 (1) 08:05 (3)	06:44 19:53	07:49 18:29	08:56 15:36
13	04:41 22:15	05:41 21:14	06:35 (1) 08:10 (3)	06:46 19:50	07:51 18:27	08:58 15:35
14	04:42 22:14	05:43 21:11	06:33 (1) 08:13 (3)	06:49 19:47	07:53 18:24	08:59 15:35
15	04:44 22:13	05:45 21:09	06:32 (1) 08:15 (3)	06:51 19:45	07:55 18:21	09:00 15:35
16	04:45 22:11	05:47 21:06	06:31 (1) 08:17 (3)	06:53 19:42	07:57 18:19	09:01 15:35
17	04:47 22:10	05:49 21:03	06:31 (1) 08:18 (3)	06:55 19:39	08:00 18:16	09:02 15:35
18	04:49 22:08	05:51 21:01	06:30 (1) 08:19 (3)	06:57 19:36	08:02 18:13	09:03 15:35
19	04:50 22:06	05:53 20:58	06:30 (1) 08:20 (3)	06:59 19:33	08:04 18:11	09:03 15:36
20	04:52 22:05	05:55 20:56	06:30 (1) 08:21 (3)	07:01 19:30	08:06 18:08	09:04 15:36
21	04:54 22:03	05:58 20:53	06:30 (1) 08:22 (3)	07:03 19:28	08:09 18:06	09:05 15:36
22	04:56 22:01	06:00 20:50	06:32 (1) 08:22 (3)	07:05 19:25	08:11 18:03	09:05 15:37
23	04:58 21:59	06:02 20:48	06:34 (1) 08:23 (3)	07:08 19:22	08:13 18:00	09:06 15:37
24	05:00 21:58	06:04 20:45	06:36 (1) 08:23 (3)	07:10 19:19	08:15 17:58	09:06 15:38
25	05:01 21:56	06:06 20:43	06:38 (1) 08:23 (3)	07:12 19:16	08:17 16:55	09:07 15:38
26	05:03 21:54	06:08 20:40	06:40 (1) 08:24 (3)	07:14 19:14	08:20 16:53	09:07 15:39
27	05:05 21:52	06:10 20:37	07:15 (4) 08:24 (3)	07:16 19:11	07:22 16:50	09:07 15:40
28	05:07 21:50	06:13 20:34	07:13 (4) 08:23 (3)	07:18 19:08	07:25 16:48	09:07 15:41
29	05:09 21:48	06:15 20:32	07:12 (4) 08:23 (3)	07:20 19:05	07:27 16:45	09:07 15:42
30	05:11 21:46	06:17 20:29	07:12 (4) 08:23 (3)	07:23 19:02	07:29 16:43	09:07 15:43
31	05:13 21:44	06:19 20:26	07:11 (4) 08:23 (3)	07:25 19:00	07:31 16:41	09:07 15:44
Potential sun hours	538	474	386	321	241	207
Total, worst case		1126	762	290	513	607
Sun reduction		0,55	0,43	0,31	0,15	0,13
Oper. time red.		0,93	0,93	0,93	0,93	0,93
Wind dir. red.		0,99	0,99	0,92	0,48	0,48
Total reduction		0,50	0,40	0,26	0,07	0,06
Total, real		567	303	76	35	34

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BX - Tomsoni
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:08	04:33 22:09	05:26 (2) 05:53 (2)	04:26 22:26	05:32 (2) 05:58 (2)	06:21 20:24	07:25 19:00	07:34 16:38
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	05:32 21:10	04:32 22:10	05:26 (2) 05:53 (2)	04:27 22:26	05:32 (2) 05:59 (2)	06:23 20:21	07:27 18:57	07:36 16:36
3	09:06 15:49	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	05:26 (2) 05:54 (2)	04:28 22:25	05:32 (2) 05:59 (2)	06:25 20:18	07:29 18:54	07:38 16:34
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	05:26 (2) 05:54 (2)	04:29 22:24	05:32 (2) 06:00 (2)	06:28 20:15	07:31 18:51	07:41 16:31
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	05:26 (2) 05:54 (2)	04:30 22:24	05:33 (2) 06:00 (2)	06:30 20:13	07:33 18:49	07:43 16:29
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	05:26 (2) 05:54 (2)	04:31 22:23	05:33 (2) 06:00 (2)	06:32 20:10	07:35 18:46	07:45 16:27
7	09:04 15:54	08:14 17:01	07:04 18:06	06:37 20:15	05:20 21:21	04:27 22:17	05:27 (2) 05:54 (2)	04:33 22:22	05:33 (2) 06:00 (2)	06:34 20:07	07:38 18:43	07:48 16:25
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	05:27 (2) 05:54 (2)	04:34 22:21	05:33 (2) 06:00 (2)	06:36 20:04	07:40 18:40	07:50 16:22
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	05:27 (2) 05:54 (2)	04:35 22:20	05:34 (2) 06:01 (2)	06:38 20:01	07:42 18:38	07:52 16:20
10	09:01 16:00	08:08 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	05:28 (2) 05:55 (2)	04:36 22:19	05:34 (2) 06:01 (2)	06:40 19:59	07:44 18:35	07:54 16:18
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	05:11 21:29	04:24 22:21	05:27 (2) 05:54 (2)	04:38 22:18	05:34 (2) 06:01 (2)	06:42 19:56	07:46 18:32	07:57 16:16
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	05:09 21:31	04:23 22:22	05:28 (2) 05:55 (2)	04:39 22:16	05:34 (2) 06:01 (2)	06:44 19:53	07:49 18:29	07:59 16:14
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	05:28 (2) 05:55 (2)	04:41 22:15	05:35 (2) 06:01 (2)	06:47 19:50	07:51 18:27	08:01 16:12
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:36	04:22 22:24	05:28 (2) 05:55 (2)	04:42 22:14	05:35 (2) 06:01 (2)	06:49 19:47	07:53 18:24	08:04 16:10
15	08:56 16:09	07:56 17:20	06:42 18:24	06:16 20:32	05:02 21:38	04:22 22:25	05:28 (2) 05:55 (2)	04:44 22:12	05:34 (2) 06:00 (2)	06:51 19:45	07:55 18:21	08:06 16:08
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	05:29 (2) 05:55 (2)	04:46 22:11	05:35 (2) 06:01 (2)	06:53 19:42	07:57 18:19	08:08 16:06
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	04:21 22:26	05:29 (2) 05:56 (2)	04:47 22:09	05:35 (2) 06:00 (2)	06:55 19:39	08:00 18:16	08:10 16:04
18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	05:29 (2) 05:56 (2)	04:49 22:08	05:36 (2) 06:00 (2)	06:57 19:36	08:02 18:13	08:12 16:03
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	05:30 (2) 05:56 (2)	04:51 22:06	05:36 (2) 05:59 (2)	06:59 19:33	08:04 18:11	08:15 16:01
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	05:30 (2) 05:56 (2)	04:52 22:05	05:37 (2) 05:59 (2)	07:01 19:31	08:06 18:08	08:17 15:59
21	08:47 16:21	07:41 17:34	06:25 18:37	06:00 20:45	04:50 21:50	04:21 22:27	05:29 (2) 05:56 (2)	04:54 22:03	05:39 (2) 05:59 (2)	07:03 19:28	08:09 18:06	08:19 15:57
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:51	04:22 22:28	05:31 (2) 05:57 (2)	04:56 22:01	05:39 (2) 05:58 (2)	07:06 19:25	08:11 18:03	08:21 15:56
23	08:44 16:26	07:35 17:38	06:19 18:42	05:54 20:50	04:47 21:53	04:22 22:28	05:31 (2) 05:57 (2)	04:58 21:59	05:40 (2) 05:57 (2)	07:08 19:22	08:13 18:00	08:23 15:54
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:30 (2) 05:57 (2)	05:00 21:58	05:42 (2) 05:56 (2)	07:10 19:19	08:15 17:58	08:25 15:53
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:43 21:57	04:23 22:28	05:31 (2) 05:58 (2)	05:02 21:56	05:43 (2) 05:54 (2)	07:12 19:16	08:18 16:55	08:27 15:51
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:57	04:42 21:59	04:23 22:28	05:31 (2) 05:57 (2)	05:04 21:54	05:46 (2) 05:51 (2)	07:14 19:14	08:20 16:53	08:29 15:50
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:01	04:24 22:28	05:32 (2) 05:58 (2)	05:05 21:52	06:11 20:37	07:16 19:11	08:22 16:50	08:31 15:48
28	08:35 16:37	07:22 17:50	06:05 18:53	05:42 21:01	04:39 22:02	04:24 22:27	05:31 (2) 05:58 (2)	05:07 21:50	06:13 20:34	07:18 19:08	08:25 16:48	08:33 15:47
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:26	05:32 (2) 05:58 (2)	05:09 21:48	06:15 20:32	07:20 19:05	08:27 16:46	08:35 15:46
30	08:31 16:42		07:00 19:57	05:37 21:05	04:36 22:06	04:26 22:27	05:32 (2) 05:59 (2)	05:11 21:46	06:17 20:29	07:23 19:02	08:29 16:43	08:37 15:45
31	08:29 16:44		06:57 19:59		04:35 22:07	05:26 (2) 05:53 (2)		05:13 21:44	06:19 20:26		07:31 16:41	08:07 15:44
Potential sun hours	227	262	365	429	515	539	805	538	474	386	321	241
Total, worst case					293		805		608			207
Sun reduction					0,58		0,53		0,57			
Oper. time red.					0,93		0,93		0,93			
Wind dir. red.					0,86		0,86		0,86			
Total reduction					0,47		0,43		0,45			
Total, real					136		344		276			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BY - Tuiskas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

		January		February		March	April	May	June	July	August	September	October	November		December		
1	09:07	10:29 (13)	08:27		10:49 (13)	07:19	06:54	05:34	04:33	04:26	05:15	06:21	07:24	07:34	08:39	10:14 (13)		
	15:45	31	11:00 (13)	16:46	13	11:02 (13)	17:52	20:01	21:07	22:09	22:26	21:41	20:23	18:59	16:38	15:43	35	10:49 (13)
2	09:06	10:30 (13)	08:25			07:17	06:51	05:31	04:31	04:27	05:17	06:23	07:27	07:36	08:41	10:14 (13)		
	15:47	32	11:02 (13)	16:48		17:54	20:03	21:10	22:10	22:26	21:39	20:21	18:57	16:36	15:42	36	10:50 (13)	
3	09:06	10:29 (13)	08:23			07:14	06:48	05:29	04:30	04:27	05:19	06:25	07:29	07:38	08:43	10:15 (13)		
	15:48	33	11:02 (13)	16:51		17:56	20:05	21:12	22:12	22:25	21:37	20:18	18:54	16:33	15:41	35	10:50 (13)	
4	09:05	10:29 (13)	08:21			07:11	06:45	05:26	04:29	04:29	05:21	06:27	07:31	07:41	08:44	10:15 (13)		
	15:49	33	11:02 (13)	16:53		17:59	20:08	21:14	22:13	22:24	21:35	20:15	18:51	16:31	15:40	35	10:50 (13)	
5	09:05	10:30 (13)	08:19			07:09	06:43	05:24	04:28	04:30	05:23	06:29	07:33	07:43	08:46	10:16 (13)		
	15:51	33	11:03 (13)	16:55		18:01	20:10	21:16	22:15	22:24	21:32	20:12	18:48	16:29	15:39	34	10:50 (13)	
6	09:04	10:31 (13)	08:16			07:06	06:40	05:22	04:27	04:31	05:25	06:31	07:35	07:45	08:48	10:16 (13)		
	15:52	34	11:05 (13)	16:58		18:03	20:12	21:18	22:16	22:23	21:30	20:10	18:45	16:26	15:38	34	10:50 (13)	
7	09:04	10:31 (13)	08:14			07:03	06:37	05:19	04:26	04:32	05:27	06:34	07:37	07:47	08:49	10:17 (13)		
	15:54	34	11:05 (13)	17:00		18:06	20:14	21:21	22:17	22:22	21:28	20:07	18:43	16:24	15:38	33	10:50 (13)	
8	09:03	10:30 (13)	08:12			07:01	06:34	05:17	04:25	04:33	05:30	06:36	07:40	07:50	08:51	10:18 (13)		
	15:56	35	11:05 (13)	17:02		18:08	20:17	21:23	22:18	22:21	21:26	20:04	18:40	16:22	15:37	33	10:51 (13)	
9	09:02	10:31 (13)	08:10			06:58	06:31	05:15	04:25	04:34	05:32	06:38	07:42	07:52	08:52	10:19 (13)		
	15:57	35	11:06 (13)	17:05		18:10	20:19	21:25	22:19	22:22	21:23	20:01	18:37	16:20	3 10:24 (13)	10:24 (13)	32	10:51 (13)
10	09:01	10:31 (13)	08:07			06:55	06:29	05:12	04:24	04:36	05:34	06:40	07:44	07:54	08:54	10:20 (13)		
	15:59	35	11:06 (13)	17:07		18:12	20:21	21:27	22:20	22:19	21:21	19:58	18:34	16:18	13 10:33 (13)	10:33 (13)	32	10:51 (13)
11	09:00	10:32 (13)	08:05			06:52	06:26	05:10	04:23	04:37	05:36	06:42	07:46	07:57	08:55	10:20 (13)		
	16:01	35	11:07 (13)	17:10		18:15	20:23	21:29	22:21	22:18	21:18	19:56	18:32	16:16	18 10:35 (13)	10:35 (13)	32	10:52 (13)
12	08:59	10:31 (13)	08:03			06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:48	07:59	08:56	10:20 (13)		
	16:03	36	11:07 (13)	17:12		18:17	20:25	21:31	22:22	22:16	21:16	19:53	18:29	16:14	22 10:37 (13)	10:37 (13)	31	10:51 (13)
13	08:58	10:32 (13)	08:00			06:47	06:21	05:06	04:22	04:40	05:40	06:46	07:51	08:01	08:57	10:20 (13)		
	16:04	36	11:08 (13)	17:14		18:19	20:28	21:33	22:23	22:15	21:13	19:50	18:26	16:12	24 10:38 (13)	10:38 (13)	31	10:51 (13)
14	08:57	10:32 (13)	07:58			06:44	06:18	05:04	04:22	04:42	05:42	06:48	07:53	08:03	08:59	10:22 (13)		
	16:06	36	11:08 (13)	17:17		18:21	20:30	21:35	22:24	22:14	21:11	19:47	18:24	16:10	27 10:40 (13)	10:40 (13)	30	10:52 (13)
15	08:56	10:33 (13)	07:55			06:41	06:15	05:02	04:21	04:43	05:44	06:50	07:55	08:06	08:59	10:22 (13)		
	16:08	36	11:09 (13)	17:19		18:24	20:32	21:38	22:25	22:12	21:08	19:44	18:21	16:08	29 10:41 (13)	10:41 (13)	31	10:53 (13)
16	08:54	10:33 (13)	07:53			06:38	06:12	05:00	04:21	04:45	05:47	06:53	07:57	08:08	08:59	10:23 (13)		
	16:10	36	11:09 (13)	17:21		18:26	20:34	21:40	22:25	22:11	21:06	19:42	18:18	16:06	30 10:42 (13)	10:42 (13)	30	10:53 (13)
17	08:53	10:33 (13)	07:51			06:36	06:10	04:58	04:21	04:47	05:49	06:55	07:59	08:10	08:59	10:23 (13)		
	16:12	36	11:09 (13)	17:24		18:28	20:36	21:42	22:26	22:09	21:03	19:39	18:16	16:04	31 10:43 (13)	10:43 (13)	30	10:53 (13)
18	08:52	10:34 (13)	07:48			06:33	06:07	04:56	04:21	04:48	05:51	06:57	08:02	08:12	08:59	10:24 (13)		
	16:14	36	11:10 (13)	17:26		18:30	20:39	21:44	22:26	22:08	21:01	19:36	18:13	16:02	33 10:44 (13)	10:44 (13)	30	10:54 (13)
19	08:50	10:34 (13)	07:45			06:30	06:04	04:54	04:21	04:50	05:53	06:59	08:04	08:15	08:59	10:24 (13)		
	16:17	36	11:10 (13)	17:29		18:32	20:41	21:46	22:27	22:06	20:58	19:33	18:10	16:00	34 10:45 (13)	10:45 (13)	29	10:53 (13)
20	08:49	10:35 (13)	07:43			06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:17	08:59	10:25 (13)		
	16:19	35	11:10 (13)	17:31		18:35	20:43	21:48	22:27	22:05	20:56	19:30	18:08	15:59	34 10:45 (13)	10:45 (13)	29	10:54 (13)
21	08:48	10:35 (13)	07:40			06:24	05:59	04:50	04:21	04:54	05:57	07:03	08:08	08:19	08:59	10:25 (13)		
	16:21	35	11:10 (13)	17:33		18:37	20:45	21:50	22:28	22:03	20:53	19:27	18:05	15:57	35 10:46 (13)	10:46 (13)	30	10:55 (13)
22	08:46	10:36 (13)	07:38			06:22	05:56	04:48	04:21	04:55	05:59	07:05	08:11	08:21	08:59	10:25 (13)		
	16:23	34	11:10 (13)	17:36		18:39	20:47	21:51	22:28	22:01	20:50	19:25	18:03	15:55	35 10:46 (13)	10:46 (13)	30	10:55 (13)
23	08:44	10:36 (13)	07:35			06:19	05:54	04:46	04:21	04:57	06:02	07:07	08:13	08:23	08:59	10:26 (13)		
	16:25	34	11:10 (13)	17:38		18:41	20:50	21:53	22:28	22:01	20:48	19:22	18:00	15:54	36 10:46 (13)	10:46 (13)	30	10:56 (13)
24	08:42	10:37 (13)	07:33			06:16	05:51	04:45	04:21	04:59	06:04	07:09	08:15	08:25	08:59	10:27 (13)		
	16:27	33	11:10 (13)	17:40		18:43	20:52	21:55	22:28	22:01	20:45	19:19	17:58	15:52	36 10:47 (13)	10:47 (13)	29	10:56 (13)
25	08:40	10:38 (13)	07:30			06:13	05:49	04:43	04:22	05:01	06:06	07:12	08:18	08:27	08:59	10:27 (13)		
	16:30	31	11:09 (13)	17:43		18:46	20:54	21:57	22:28	22:01	20:42	19:16	17:55	15:51	36 10:47 (13)	10:47 (13)	30	10:57 (13)
26	08:39	10:39 (13)	07:27			06:10	05:46	04:41	04:22	05:03	06:08	07:14	08:20	08:29	08:59	10:27 (13)		
	16:32	30	11:09 (13)	17:45		18:48	20:56	21:59	22:28	22:01	20:40	19:13	17:52	15:49	36 10:48 (13)	10:48 (13)	30	10:57 (13)
27	08:37	10:40 (13)	07:25			06:08	05:44	04:40	04:23	05:05	06:10	07:16	08:22	08:31	08:59	10:27 (13)		
	16:34	29	11:09 (13)	17:47		18:50	20:59	22:01	22:28	22:01	20:37	19:11	17:50	15:48	36 10:48 (13)	10:48 (13)	31	10:58 (13)
28	08:35	10:41 (13)	07:22			06:05	05:41	04:38	04:23	05:07	06:12	07:18	08:24	08:33	08:59	10:28 (13)		
	16:37	27	11:08 (13)	17:49		18:52	21:01	22:02	22:27	22:01	20:34	19:08	17:48	15:47	36 10:48 (13)	10:48 (13)	30	10:58 (13)
29	08:33	10:42 (13)				07:02	05:39	04:37	04:24	05:09	06:14	07:20	08:27	08:35	08:59	10:28 (13)		
	16:39	24	11:06 (13)			19:54	21:03	22:04	22:27	22:01	20:32	19:05	17:45	15:45	36 10:48 (13)	10:48 (13)	31	10:59 (13)
30	08:31	10:44 (13)				06:59	05:36	04:35	04:25	05:11	06:17	07:22	08:29	08:37	08:59	10:28 (13)		
	16:41	21	11:05 (13)			19:57	21:05	22:06	22:27	22:01	20:29	19:02	17:43	15:44	35 10:48 (13)	10:48 (13)	31	10:59 (13)
31	08:29	10:46 (13)				06:56		04:34		05:13	06:19		07:31		08:59	10:29 (13)		
	16:43	18	11:04 (13)			19:59		22:07		21:44	20:26		16:40		15:44	15:44	31	11:00 (13)
Potential sun hours	227		262			365	429	516	539	539	475	386	321	241	655	975		
Total, worst case	1009		13												0,15	0,13		
Sun reduction	0,13		0,22												0,93	0,93		
Oper. time red.	0,93		0,36												0,36	0,36		
Wind dir. red.	0,36		0,07												0,05	0,04		
Total reduction	0,04		1												34	42		
Total, real	45																	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: BZ - Urgas

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1	09:07	11:59 (1)	08:27			
	15:45	54 14:13 (3)	16:46			
2	09:06	12:00 (1)	08:25			
	15:47	51 14:14 (3)	16:48			
3	09:06	12:01 (1)	08:23			
	15:48	49 14:14 (3)	16:51			
4	09:06	12:03 (1)	08:21			
	15:50	43 14:14 (3)	16:53			
5	09:05	12:05 (1)	08:19			
	15:51	39 14:15 (3)	16:55			
6	09:04	12:08 (1)	08:17			
	15:53	30 14:15 (3)	16:58			
7	09:04	13:57 (3)	08:14			
	15:54	18 14:15 (3)	17:00			
8	09:03	13:57 (3)	08:12			
	15:56	17 14:14 (3)	17:03			
9	09:02	13:58 (3)	08:10			
	15:57	16 14:14 (3)	17:05			
10	09:01	14:00 (3)	08:07			
	15:59	14 14:14 (3)	17:07			
11	09:00	14:01 (3)	08:05			
	16:01	13 14:14 (3)	17:10			
12	08:59	14:03 (3)	08:03			
	16:03	9 14:12 (3)	17:12			
13	08:58	14:06 (3)	08:00			
	16:05	5 14:11 (3)	17:15			
14	08:57		07:58			
	16:07		17:17			
15	08:56		07:56			
	16:09		17:19			
16	08:55		07:53			
	16:11		17:22			
17	08:53		07:51			
	16:13		17:24			
18	08:52		07:48			
	16:15		17:26			
19	08:50		07:46			
	16:17		17:29			
20	08:49		07:43			
	16:19		17:31			
21	08:47		07:41			
	16:21		17:33			
22	08:46		07:38			
	16:23		17:36			
23	08:44		07:35			
	16:25		17:38			
24	08:42		07:33			
	16:28		17:40			
25	08:41		07:30			
	16:30		17:43			
26	08:39		07:28			
	16:32		17:45			
27	08:37		07:25			
	16:34		17:47			
28	08:35		07:22			
	16:37		17:50			
29	08:33					
	16:39					
30	08:31					
	16:41					
31	08:29					
	16:44					
Potential sun hours	227	262	365	429	515	539
Total, worst case	358	202	133			
Sun reduction	0,13	0,22	0,37			
Oper. time red.	0,93	0,93	0,93			
Wind dir. red.	0,27	0,87	0,87			
Total reduction	0,03	0,18	0,30			
Total, real	12	36	40			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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SHADOW - Calendar

Shadow receptor: BZ - Urgas

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	July	August	September	October	November	December
1	04:26 22:26	05:15 21:41	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:43
2	04:27 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	04:29 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:40
5	04:30 22:24	05:23 21:33	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39
6	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	04:32 22:22	05:28 21:28	06:34 20:07	07:38 18:43	08:49 (10) 09:00 (10)	07:48 16:24
8	04:33 22:21	05:30 21:26	06:36 20:04	07:40 18:40	08:47 (10) 09:03 (10)	07:50 16:22
9	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	08:45 (10) 09:04 (10)	07:52 16:20
10	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	08:43 (10) 09:05 (10)	07:54 16:18
11	04:37 22:18	05:36 21:18	06:42 19:56	07:46 18:32	08:43 (10) 09:06 (10)	07:57 16:16
12	04:39 22:17	05:38 21:16	06:44 19:53	07:48 18:29	08:42 (10) 09:06 (10)	07:59 16:14
13	04:40 22:15	05:40 21:13	06:46 19:50	07:51 18:27	08:41 (10) 09:06 (10)	08:01 16:12
14	04:42 22:14	05:43 21:11	06:48 19:47	07:53 18:24	08:41 (10) 09:07 (10)	08:04 16:10
15	04:43 22:13	05:45 21:08	06:51 19:44	07:55 18:21	08:41 (10) 09:06 (10)	08:06 16:08
16	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:40 (10) 09:05 (10)	08:08 16:06
17	04:47 22:10	05:49 21:03	06:55 19:39	08:00 18:16	08:41 (10) 09:05 (10)	08:10 16:04
18	04:48 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:41 (10) 09:04 (10)	08:13 16:02
19	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:41 (10) 09:03 (10)	08:15 16:00
20	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:43 (10) 09:02 (10)	08:17 15:59
21	04:54 22:03	05:57 20:53	07:03 19:28	08:09 18:05	08:44 (10) 09:00 (10)	08:19 15:57
22	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:47 (10) 08:58 (10)	08:21 15:55
23	04:57 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:51 (10) 08:52 (10)	08:23 15:54
24	04:59 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:52	08:25 15:52
25	05:01 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:07 15:38
26	05:03 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:49	09:07 15:39
27	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	05:07 21:50	06:12 20:34	07:18 19:08	07:25 16:48	08:33 15:47	09:07 15:41
29	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	05:11 21:46	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:44	09:07 15:43
31	05:13 21:44	06:19 20:26		07:31 16:40		09:07 15:44
Potential sun hours	538	474	386	321	241	207
Total, worst case				332	13	1586
Sun reduction				0,31	0,15	0,13
Oper. time red.				0,93	0,93	0,93
Wind dir. red.				0,87	0,42	0,20
Total reduction				0,25	0,06	0,02
Total, real				83	1	37

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CA - Vaverites

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

January		February		March		April	May	June
1	09:07	11:08 (11)	08:27	12:52 (10)	07:20	06:54	05:34	04:33
	15:45	13:10 (10)	16:46	15:54 (1)	17:52	20:01	21:07	22:09
2	09:06	11:10 (11)	08:25	12:58 (10)	07:17	06:51	05:31	04:32
	15:47	13:11 (10)	16:48	15:51 (1)	17:54	20:03	21:10	22:10
3	09:06	11:10 (11)	08:23		07:14	06:48	05:29	04:30
	15:48	13:11 (10)	16:51		17:56	20:06	21:12	22:12
4	09:05	11:10 (11)	08:21	08:52 (12)	07:11	06:45	05:26	04:29
	15:49	13:11 (10)	16:53	08:58 (12)	17:59	20:08	21:14	22:13
5	09:05	11:11 (11)	08:19	08:50 (12)	07:09	06:43	05:24	04:28
	15:51	13:12 (10)	16:55	09:02 (12)	18:01	20:10	21:16	22:15
6	09:04	11:13 (11)	08:16	08:48 (12)	07:06	06:40	05:22	04:27
	15:52	13:13 (10)	16:58	09:04 (12)	18:03	20:12	21:18	22:16
7	09:04	11:13 (11)	08:14	08:47 (12)	07:03	06:37	05:19	04:26
	15:54	13:14 (10)	17:00	09:05 (12)	18:06	20:14	21:21	22:17
8	09:03	11:13 (11)	08:12	08:46 (12)	07:01	06:34	05:17	04:25
	15:56	13:13 (10)	17:02	09:07 (12)	18:08	20:17	21:23	22:18
9	09:02	11:14 (11)	08:10	08:45 (12)	06:58	06:32	05:15	04:25
	15:57	13:14 (10)	17:05	09:07 (12)	18:10	20:19	21:25	22:19
10	09:01	11:16 (11)	08:07	08:45 (12)	06:55	06:29	05:12	04:24
	15:59	13:15 (10)	17:07	09:08 (12)	18:12	20:21	21:27	22:20
11	09:00	11:17 (11)	08:05	08:44 (12)	06:52	06:26	05:10	04:23
	16:01	13:15 (10)	17:10	09:08 (12)	18:15	20:23	21:29	22:21
12	08:59	11:18 (11)	08:03	08:44 (12)	06:50	06:23	05:08	04:23
	16:03	13:15 (10)	17:12	09:08 (12)	18:17	20:25	21:31	22:22
13	08:58	11:19 (11)	08:00	08:44 (12)	06:47	06:21	05:06	04:22
	16:05	13:16 (10)	17:14	09:08 (12)	18:19	20:28	21:33	22:23
14	08:57	11:21 (11)	07:58	08:44 (12)	06:44	07:15 (13)	06:18	05:04
	16:06	13:16 (10)	17:17	09:08 (12)	18:21	20:30	21:36	22:24
15	08:56	11:23 (11)	07:55	08:45 (12)	06:41	07:13 (13)	06:15	05:02
	16:08	13:17 (10)	17:19	09:08 (12)	18:24	20:32	21:38	22:25
16	08:54	11:26 (11)	07:53	08:45 (12)	06:38	07:11 (13)	06:12	05:00
	16:10	13:16 (10)	17:22	09:07 (12)	18:26	20:34	21:40	22:25
17	08:53	12:33 (10)	07:51	08:45 (12)	06:36	07:10 (13)	06:10	04:58
	16:12	13:16 (10)	17:24	09:06 (12)	18:28	20:36	21:42	22:26
18	08:52	12:34 (10)	07:48	08:47 (12)	06:33	07:09 (13)	06:07	04:56
	16:15	13:17 (10)	17:26	09:06 (12)	18:30	20:39	21:44	22:26
19	08:50	12:35 (10)	07:46	08:48 (12)	06:30	07:08 (13)	06:04	04:54
	16:17	13:17 (10)	17:29	09:04 (12)	18:32	20:41	21:46	22:27
20	08:49	12:35 (10)	07:43	08:49 (12)	06:27	07:07 (13)	06:02	04:52
	16:19	13:17 (10)	17:31	09:02 (12)	18:35	20:43	21:48	22:27
21	08:47	12:36 (10)	07:40	08:54 (12)	06:25	07:07 (13)	05:59	04:51
	16:21	15:41 (1)	17:33	08:58 (12)	18:37	20:45	21:50	22:28
22	08:46	12:36 (10)	07:38		06:22	07:07 (13)	05:57	04:48
	16:23	15:43 (1)	17:36		18:39	20:48	21:51	22:28
23	08:44	12:37 (10)	07:35		06:19	07:06 (13)	05:54	04:46
	16:25	15:46 (1)	17:38		18:41	20:50	21:53	22:28
24	08:42	12:38 (10)	07:33		06:16	07:06 (13)	05:51	04:45
	16:28	15:48 (1)	17:40		18:44	20:52	21:55	22:28
25	08:41	12:39 (10)	07:30		06:13	07:06 (13)	05:49	04:43
	16:30	15:51 (1)	17:43		18:46	20:54	21:57	22:28
26	08:39	12:40 (10)	07:27		06:11	07:06 (13)	05:46	04:41
	16:32	15:54 (1)	17:45		18:48	20:56	21:59	22:28
27	08:37	12:42 (10)	07:25		06:08	07:08 (13)	05:44	04:40
	16:34	15:56 (1)	17:47		18:50	20:59	22:01	22:28
28	08:35	12:43 (10)	07:22		06:05	07:09 (13)	05:41	04:38
	16:37	15:57 (1)	17:50		18:52	21:01	22:02	22:27
29	08:33	12:44 (10)			07:02	08:10 (13)	05:39	04:37
	16:39	15:56 (1)			19:55	21:03	22:04	22:27
30	08:31	12:46 (10)			06:59	08:13 (13)	05:36	04:35
	16:41	15:56 (1)			19:57	21:05	22:06	22:27
31	08:29	12:48 (10)			06:57		04:34	
	16:44	15:55 (1)			19:59		22:07	
Potential sun hours	227		262		365	429	515	539
Total, worst case	1706		361		395			
Sun reduction	0,13		0,22		0,37			
Oper. time red.	0,93		0,93		0,93			
Wind dir. red.	0,19		0,75		0,98			
Total reduction	0,02		0,15		0,33			
Total, real	40		55		131			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)		First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Minutes with flicker	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CA - Vaverites
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	July	August	September	October	November	December
1	04:26	05:15	06:21	07:24	07:34	08:15 (12)
	22:26	21:41	20:23	18:59	16:38	08:37 (12)
2	04:27	05:17	06:23	07:27	07:36	08:15 (12)
	22:26	21:39	20:21	18:57	16:36	08:36 (12)
3	04:28	05:19	06:25	07:29	07:38	08:16 (12)
	22:25	21:37	20:18	18:54	16:33	08:36 (12)
4	04:29	05:21	06:27	07:31	07:41	08:16 (12)
	22:24	21:35	20:15	18:51	16:31	08:34 (12)
5	04:30	05:23	06:29	07:33	07:43	08:18 (12)
	22:24	21:33	20:12	18:48	16:29	08:34 (12)
6	04:31	05:25	06:31	07:35	07:45	08:20 (12)
	22:23	21:30	20:10	18:46	16:26	08:31 (12)
7	04:32	05:28	06:34	07:37	07:47	08:23 (12)
	22:22	21:28	20:07	18:43	16:24	08:29 (12)
8	04:33	05:30	06:36	07:40	07:50	08:29 (12)
	22:21	21:26	20:04	18:40	16:22	08:51
9	04:35	05:32	06:38	07:42	07:52	12:27 (10)
	22:20	21:23	20:01	18:37	16:20	15:22 (1)
10	04:36	05:34	06:40	07:44	07:54	12:22 (10)
	22:19	21:21	19:58	18:35	16:18	15:25 (1)
11	04:37	05:36	06:42	07:46	07:57	12:19 (10)
	22:18	21:18	19:56	18:32	16:16	15:26 (1)
12	04:39	05:38	06:44	07:48	07:59	12:18 (10)
	22:16	21:16	19:53	18:29	16:14	15:28 (1)
13	04:40	05:40	06:46	07:51	08:01	12:16 (10)
	22:15	21:13	19:50	08:12 (13)	16:12	15:28 (1)
14	04:42	05:42	06:48	08:01 (13)	08:03	12:15 (10)
	22:14	21:11	19:47	08:15 (13)	16:10	15:29 (1)
15	04:43	05:45	06:50	07:59 (13)	08:06	12:13 (10)
	22:12	21:08	19:44	08:17 (13)	16:08	15:28 (1)
16	04:45	05:47	06:53	07:57 (13)	08:08	12:13 (10)
	22:11	21:06	19:42	08:18 (13)	16:06	15:27 (1)
17	04:47	05:49	06:55	07:55 (13)	08:10	12:13 (10)
	22:09	21:03	19:39	08:19 (13)	16:04	15:25 (1)
18	04:48	05:51	06:57	07:54 (13)	08:12	12:12 (10)
	22:08	21:01	19:36	08:19 (13)	16:02	15:22 (1)
19	04:50	05:53	06:59	07:53 (13)	08:15	12:12 (10)
	22:06	20:58	19:33	08:20 (13)	16:00	15:21 (1)
20	04:52	05:55	07:01	07:53 (13)	08:17	12:11 (10)
	22:05	20:56	19:30	08:20 (13)	15:59	15:18 (1)
21	04:54	05:57	07:03	07:52 (13)	08:19	12:12 (10)
	22:03	20:53	19:27	08:20 (13)	09:22 (12)	15:17 (1)
22	04:55	06:00	07:05	07:52 (13)	08:21	12:11 (10)
	22:01	20:50	19:25	08:20 (13)	09:33 (12)	15:55
23	04:57	06:02	07:07	07:51 (13)	08:23	12:11 (10)
	21:59	20:48	19:22	08:19 (13)	09:35 (12)	15:54
24	04:59	06:04	07:10	07:51 (13)	08:25	12:11 (10)
	21:58	20:45	19:19	08:18 (13)	09:35 (12)	15:52
25	05:01	06:06	07:12	07:51 (13)	08:27	12:11 (10)
	21:56	20:42	19:16	08:17 (13)	08:15 (12)	15:51
26	05:03	06:08	07:14	07:51 (13)	08:29	12:54 (10)
	21:54	20:40	19:13	08:16 (13)	08:37 (12)	15:49
27	05:05	06:10	07:16	07:52 (13)	08:31	11:02 (11)
	21:52	20:37	19:11	08:15 (13)	08:38 (12)	15:48
28	05:07	06:12	07:18	07:54 (13)	08:33	11:01 (11)
	21:50	20:34	19:08	08:14 (13)	08:37 (12)	15:47
29	05:09	06:14	07:20	07:55 (13)	08:35	11:00 (11)
	21:48	20:32	19:05	08:12 (13)	08:38 (12)	15:45
30	05:11	06:17	07:22	07:57 (13)	08:37	10:59 (11)
	21:46	20:29	19:02	08:09 (13)	08:37 (12)	15:44
31	05:13	06:19		07:31	08:14 (12)	09:07
	21:44	20:26		16:40	08:37 (12)	15:44
Potential sun hours	539	475	386	321	241	207
Total, worst case			397	221	1094	2200
Sun reduction			0,43	0,31	0,15	0,13
Oper. time red.			0,93	0,93	0,93	0,93
Wind dir. red.			0,98	0,78	0,28	0,16
Total reduction			0,39	0,22	0,04	0,02
Total, real			155	49	44	43

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CB - Vecjennas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:16 21:41	06:21 20:24	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:04	05:32 21:10	04:32 22:10	04:27 22:26	05:18 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:43
3	09:06 15:49	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:20 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:42
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:28 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:33	06:30 20:13	07:33 18:49	07:43 16:29	08:46 15:40
6	09:04 15:53	08:17 16:58	07:06 18:04	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:04 15:55	08:14 17:01	07:04 18:06	06:37 20:15	05:20 21:21	04:27 22:17	04:33 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:48 16:25	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:35 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:38	07:52 16:20	08:52 15:37
10	09:01 16:00	08:07 17:08	06:55 18:13	06:29 20:21	05:13 21:27	04:25 22:20	04:36 22:19	05:34 21:21	06:40 19:59	07:44 18:35	07:54 16:18	08:54 15:37
11	09:00 16:01	08:05 17:10	06:53 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:26	05:09 21:31	04:23 22:22	04:39 22:16	05:39 21:16	06:44 19:53	07:49 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	04:41 22:15	05:41 21:13	06:47 19:50	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:22	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:03 16:10	08:58 15:36
15	08:56 16:09	07:56 17:20	06:41 18:24	06:16 20:32	05:02 21:38	04:22 22:25	04:44 22:12	05:45 21:08	06:51 19:45	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:46 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:37	04:58 21:42	04:22 22:26	04:47 22:09	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:27	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:03	09:02 15:36
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:51 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:28 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:56 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 17:34	06:25 18:37	06:00 20:45	04:50 21:50	04:21 22:27	04:54 22:03	05:58 20:53	07:03 19:28	08:09 18:06	08:19 15:57	09:05 15:36
22	08:46 16:24	07:38 17:36	06:22 18:39	05:57 20:48	04:49 21:51	04:22 22:28	04:56 22:01	06:00 20:50	07:06 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:42	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:41	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:41 16:30	07:30 17:43	06:14 18:46	05:49 20:54	04:44 21:57	04:23 22:28	05:02 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:47 20:56	04:42 21:59	04:23 22:28	05:04 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:48	06:08 18:50	05:44 20:59	04:40 22:01	04:24 22:27	05:06 21:52	06:11 20:37	07:16 19:11	07:22 16:50	08:31 15:49	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:53	05:42 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:25 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:46	08:35 15:46	09:07 15:42
30	08:31 16:42		07:00 19:57	05:37 21:05	04:36 22:06	04:26 22:27	05:11 21:46	06:17 20:29	07:23 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:35 22:07		05:13 21:44	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	228	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CC - Veckastani
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January		February		March		April		May		June					
1	09:07 15:46		08:27 16:46		09:25 (2) 09:56 (2)	07:20 17:52		06:54 20:01		07:58 (5) 08:11 (5)	05:34 21:08		06:24 (4) 06:49 (4)	04:33 22:09		06:15 (3) 06:55 (3)
2	09:06 15:47		08:25 16:49	31	09:24 (2) 09:56 (2)	07:17 17:54		06:51 20:04	13	08:02 (5) 08:06 (5)	05:31 21:10	25	06:23 (3) 06:48 (4)	04:32 22:10	40	06:16 (3) 06:55 (3)
3	09:06 15:48		08:23 16:51	32	09:24 (2) 09:57 (2)	07:14 17:57		06:48 20:06	4		05:29 21:12	31	05:58 (1) 06:48 (3)	04:31 22:12	38	06:16 (3) 06:54 (3)
4	09:05 15:50		08:21 16:53	33	09:24 (2) 09:57 (2)	07:12 17:59		06:46 20:08			05:27 21:14	36	05:56 (1) 06:49 (3)	04:30 22:13	37	06:17 (3) 06:54 (3)
5	09:05 15:51		08:19 16:56	34	09:23 (2) 09:57 (2)	07:09 18:01		06:43 20:10			05:24 21:16	41	05:54 (1) 06:50 (3)	04:29 22:15		06:17 (3) 06:54 (3)
6	09:04 15:53		08:17 16:58		09:24 (2) 09:58 (2)	07:06 18:04		06:40 20:12			05:22 21:19	46	05:52 (1) 06:51 (3)	04:28 22:16	37	06:17 (3) 06:53 (3)
7	09:04 15:54		08:14 17:00	34	09:23 (2) 09:58 (2)	07:04 18:06		06:37 20:15			05:20 21:21	46	05:50 (1) 06:52 (3)	04:27 22:17	36	06:18 (3) 06:54 (3)
8	09:03 15:56		08:12 17:03	35	09:24 (2) 09:58 (2)	07:01 18:08		06:35 20:17			05:17 21:23	50	05:48 (1) 06:53 (3)	04:26 22:18	36	06:18 (3) 06:53 (3)
9	09:02 15:58		08:10 17:05	34	09:24 (2) 09:57 (2)	06:58 18:10		06:32 20:19			05:15 21:25	55	05:47 (1) 06:54 (3)	04:25 22:19	35	06:18 (3) 06:53 (3)
10	09:01 15:59		08:08 17:08	33	09:25 (2) 09:58 (2)	06:55 18:13		06:29 20:21	57		05:13 21:27	57	05:47 (1) 06:54 (3)	04:24 22:20	35	06:19 (3) 06:53 (3)
11	09:00 16:01		08:05 17:10	33	09:25 (2) 09:57 (2)	06:53 18:15		06:26 20:23	58		05:11 21:29	58	05:47 (1) 06:55 (3)	04:24 22:21	34	06:19 (3) 06:53 (3)
12	08:59 16:03		08:03 17:12	32	09:26 (2) 09:57 (2)	06:50 18:17		06:24 20:26	58		05:08 21:31	58	05:47 (1) 06:55 (3)	04:23 22:22	34	06:20 (3) 06:53 (3)
13	08:58 16:05		08:00 17:15	31	09:26 (2) 09:56 (2)	06:47 18:19		06:21 20:28	59		05:06 21:34	59	05:47 (1) 06:55 (3)	04:23 22:23	33	06:21 (3) 06:53 (3)
14	08:57 16:07		07:58 17:17	30	09:26 (2) 09:55 (2)	06:44 18:22		06:18 20:30	58		05:04 21:36	58	05:48 (1) 06:55 (3)	04:22 22:24	32	06:21 (3) 06:52 (3)
15	08:56 16:09		07:56 17:19	29	09:28 (2) 09:54 (2)	06:41 18:24		06:15 20:32	57		05:02 21:38	57	05:48 (1) 06:55 (3)	04:22 22:25	31	06:21 (3) 06:53 (3)
16	08:55 16:11		07:53 17:22	26	09:29 (2) 09:52 (2)	06:39 18:26		06:13 20:34	57		05:00 21:40	54	05:49 (1) 06:55 (3)	04:22 22:25	32	06:22 (3) 06:53 (3)
17	08:53 16:13		07:51 17:24	23	09:31 (2) 09:51 (2)	06:36 18:28		06:10 20:37	54		04:58 21:42	54	05:51 (1) 06:55 (3)	04:21 22:26	31	06:22 (3) 06:53 (3)
18	08:52 16:15		07:48 17:27	20	09:33 (2) 09:48 (2)	06:33 18:30	12	06:07 07:03 (5)	45		04:56 21:44	52	05:55 (1) 06:56 (3)	04:21 22:26	31	06:22 (3) 06:53 (3)
19	08:50 16:17		07:46 17:29	15	09:37 (2) 09:43 (2)	06:30 18:33	17	06:05 07:15 (5)	45		04:54 21:46	45	06:07 (5) 06:56 (3)	04:21 22:27	31	06:23 (3) 06:53 (3)
20	08:49 16:19		07:43 17:31	6		18:33	17	06:02 07:17 (5)	44		04:52 21:48	44	06:12 (3) 06:56 (3)	04:21 22:27	30	06:23 (3) 06:53 (3)
21	08:47 16:21		07:41 17:34			18:35	20	06:02 06:58 (5)	44	06:32 (4) 06:44 (4)	04:50 21:48	44	06:11 (3) 06:55 (3)	04:21 22:27	30	06:23 (3) 06:53 (3)
22	08:46 16:23		07:38 17:36			18:37	21	05:59 07:19 (5)	44	06:30 (4) 06:46 (4)	04:50 21:50	44	06:12 (3) 06:56 (3)	04:21 22:28	30	06:23 (3) 06:53 (3)
23	08:44 16:26		07:35 17:38			18:39	24	05:57 07:20 (5)	43	06:28 (4) 06:47 (4)	04:49 21:52	43	06:12 (3) 06:55 (3)	04:21 22:28	30	06:23 (3) 06:53 (3)
24	08:42 16:28		07:33 17:41			18:42	25	05:54 07:20 (5)	42	06:27 (4) 06:48 (4)	04:47 21:53	44	06:12 (3) 06:56 (3)	04:22 22:28	30	06:24 (3) 06:54 (3)
25	08:41 16:30	10	09:33 (2) 09:43 (2)		07:33 17:41	06:16 18:44	26	05:52 07:20 (5)	44	06:26 (4) 06:48 (4)	04:45 21:55	43	06:12 (3) 06:55 (3)	04:22 22:28	30	06:24 (3) 06:54 (3)
26	08:39 16:32	15	09:46 (2) 09:29 (2)		07:43 17:45	06:14 18:46	25	05:49 07:19 (5)	43	06:25 (4) 06:49 (4)	04:43 21:57	42	06:13 (3) 06:55 (3)	04:22 22:28	31	06:24 (3) 06:55 (3)
27	08:37 16:35	19	09:48 (2) 09:28 (2)		07:28 17:45	06:11 18:48	26	05:46 07:20 (5)	42	06:25 (4) 06:50 (4)	04:42 21:59	43	06:13 (3) 06:56 (3)	04:23 22:28	31	06:24 (3) 06:55 (3)
28	08:35 16:37	22	09:50 (2) 09:27 (2)		17:48 17:50	06:08 18:50	25	05:44 07:19 (5)	42	06:24 (4) 06:49 (4)	04:40 22:01	42	06:13 (3) 06:55 (3)	04:23 22:28	32	06:24 (3) 06:56 (3)
29	08:33 16:39	25	09:52 (2) 09:26 (2)		17:50 17:52	06:05 18:53	24	05:41 07:18 (5)	42	06:24 (4) 06:50 (4)	04:39 22:02	42	06:13 (3) 06:55 (3)	04:24 22:27	32	06:24 (3) 06:56 (3)
30	08:31 16:42	26	09:52 (2) 09:25 (2)			07:02 19:55	22	05:39 07:54 (5)	41	06:24 (4) 06:50 (4)	04:37 22:04	41	06:14 (3) 06:55 (3)	04:25 22:27	32	06:24 (3) 06:56 (3)
31	08:29 16:44	28	09:53 (2) 09:25 (2)			19:57 06:57	20	05:36 07:56 (5)	40	06:24 (4) 06:49 (4)	04:36 22:06	40	06:15 (3) 06:55 (3)	04:25 22:27	33	06:24 (3) 06:57 (3)
Potential sun hours	227		262			365		429			515		539			
Total, worst case		175		544		304		258			1417				993	
Sun reduction		0,13		0,22		0,37		0,46			0,58				0,53	
Oper. time red.		0,93		0,93		0,93		0,93			0,93				0,93	
Wind dir. red.		0,65		0,65		0,99		0,97			0,95				0,95	
Total reduction		0,08		0,13		0,34		0,42			0,51				0,47	
Total, real		14		72		102		107			725				468	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CC - Veckastani
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

July		August		September		October		November		December	
1	04:26	06:24 (3)	05:15	05:57 (1)	06:21		07:25		07:34	08:54 (2)	08:39
	22:26	06:57 (3)	21:41	07:05 (3)	20:24		19:00		16:38	09:27 (2)	15:44
2	04:27	06:24 (3)	05:17	05:57 (1)	06:23		07:27		07:36	08:53 (2)	08:41
	22:26	06:57 (3)	21:39	07:05 (3)	20:21		18:57		16:36	09:27 (2)	15:42
3	04:28	06:24 (3)	05:19	05:57 (1)	06:25		07:29		07:38	08:54 (2)	08:43
	22:25	06:58 (3)	21:37	07:04 (3)	20:18		18:54		16:34	09:28 (2)	15:42
4	04:29	06:24 (3)	05:22	05:56 (1)	06:27		07:31		07:41	08:53 (2)	08:44
	22:24	06:59 (3)	21:35	07:03 (3)	20:15		18:51		16:31	09:27 (2)	15:41
5	04:30	06:24 (3)	05:24	05:58 (1)	06:30		07:33		07:43	08:54 (2)	08:46
	22:24	06:59 (3)	21:33	07:02 (3)	20:13		18:49		16:29	09:28 (2)	15:40
6	04:31	06:24 (3)	05:26	06:00 (1)	06:32		07:35		07:45	08:53 (2)	08:48
	22:23	07:00 (3)	21:30	07:01 (3)	20:10		18:46		16:27	09:27 (2)	15:39
7	04:32	06:23 (3)	05:28	06:02 (1)	06:34		07:38		07:48	08:54 (2)	08:49
	22:22	07:00 (3)	21:28	07:00 (3)	20:07		18:43		16:25	09:27 (2)	15:38
8	04:34	06:23 (3)	05:30	06:04 (1)	06:36		07:40		07:50	08:55 (2)	08:51
	22:21	07:00 (3)	21:26	06:59 (3)	20:04		18:40		16:22	09:27 (2)	15:38
9	04:35	06:23 (3)	05:32	06:06 (1)	06:38		07:42		07:52	08:55 (2)	08:52
	22:20	07:01 (3)	21:23	06:58 (3)	20:01		18:38		16:20	09:26 (2)	15:37
10	04:36	06:24 (3)	05:34	06:08 (1)	06:40		07:44		07:54	08:56 (2)	08:54
	22:19	07:02 (3)	21:21	06:57 (3)	19:59	2	07:58 (5)	18:35	16:18	09:26 (2)	15:37
11	04:38	06:23 (3)	05:36	06:32 (3)	06:42		07:51 (5)	18:35	16:18	09:26 (2)	15:37
	22:18	07:02 (3)	21:18	06:57 (4)	19:56	12	08:03 (5)	18:32	16:16	09:25 (2)	15:36
12	04:39	06:23 (3)	05:38	06:32 (4)	06:44		07:48 (5)	18:32	16:16	09:25 (2)	15:36
	22:16	07:02 (3)	21:16	06:57 (4)	19:53	17	08:05 (5)	18:29	16:14	09:25 (2)	15:36
13	04:41	06:22 (3)	05:41	06:32 (4)	06:47		07:46 (5)	18:29	16:14	09:25 (2)	15:36
	22:15	07:02 (3)	21:14	06:57 (4)	19:50	20	08:06 (5)	18:27	16:12	09:24 (2)	15:36
14	04:42	06:23 (3)	05:43	06:32 (4)	06:49		07:45 (5)	18:27	16:12	09:24 (2)	15:36
	22:14	07:04 (3)	21:11	06:57 (4)	19:47	22	08:07 (5)	18:24	16:10	09:23 (2)	15:35
15	04:44	06:22 (3)	05:45	06:32 (4)	06:51		07:44 (5)	18:24	16:10	09:23 (2)	15:35
	22:12	07:04 (3)	21:09	06:57 (4)	19:45	23	08:07 (5)	18:21	16:08	09:23 (2)	15:35
16	04:45	06:23 (3)	05:47	06:32 (4)	06:53		07:43 (5)	18:21	16:08	09:23 (2)	15:35
	22:11	07:04 (3)	21:06	06:57 (4)	19:42	24	08:07 (5)	18:19	16:06	09:21 (2)	15:35
17	04:47	06:22 (3)	05:49	06:32 (4)	06:55		07:43 (5)	18:19	16:06	09:21 (2)	15:35
	22:10	07:04 (3)	21:03	06:56 (4)	19:39	25	08:08 (5)	18:16	16:04	09:20 (2)	15:35
18	04:49	06:22 (3)	05:51	06:32 (4)	06:57		07:42 (5)	18:16	16:04	09:20 (2)	15:35
	22:08	07:05 (3)	21:01	06:56 (4)	19:36	26	08:08 (5)	18:13	16:02	09:17 (2)	15:35
19	04:50	06:22 (3)	05:53	06:32 (4)	06:59		07:42 (5)	18:13	16:02	09:17 (2)	15:35
	22:06	07:05 (3)	20:58	06:55 (4)	19:33	25	08:07 (5)	18:11	16:01	09:17 (2)	15:35
20	04:52	06:22 (3)	05:56	06:33 (4)	07:01		07:42 (5)	18:11	16:01	09:17 (2)	15:35
	22:05	07:06 (3)	20:56	06:54 (4)	19:30	25	08:07 (5)	18:08	15:59	09:16 (2)	15:34
21	04:54	06:22 (3)	05:58	06:34 (4)	07:03		07:42 (5)	18:08	15:59	09:16 (2)	15:34
	22:03	07:06 (3)	20:53	06:52 (4)	19:28	24	08:06 (5)	18:06	15:57	09:15 (2)	15:33
22	04:56	06:22 (3)	06:00	06:35 (4)	07:05		07:42 (5)	18:06	15:57	09:15 (2)	15:33
	22:01	07:06 (3)	20:50	06:50 (4)	19:25	22	08:04 (5)	18:03	15:56	09:14 (2)	15:32
23	04:58	06:22 (3)	06:02	06:37 (4)	07:08		07:43 (5)	18:03	15:56	09:14 (2)	15:32
	21:59	07:06 (3)	20:48	06:48 (4)	19:22	20	08:03 (5)	18:00	15:54	09:13 (2)	15:31
24	05:00	06:22 (3)	06:04		07:10		07:43 (5)	18:00	15:54	09:13 (2)	15:31
	21:58	07:07 (3)	20:45		19:19	18	08:01 (5)	17:58	15:53	09:12 (2)	15:30
25	05:01	06:22 (3)	06:06		07:12		07:45 (5)	17:58	15:53	09:12 (2)	15:30
	21:56	07:06 (3)	20:43		19:16	14	07:59 (5)	17:55	15:51	09:11 (2)	15:29
26	05:03	06:03 (1)	06:08		07:14		07:48 (5)	17:55	15:51	09:11 (2)	15:29
	21:54	07:06 (3)	20:40		19:14	7	07:55 (5)	17:53	15:50	09:10 (2)	15:28
27	05:05	06:01 (1)	06:10		07:16		07:22	17:53	15:50	09:10 (2)	15:28
	21:52	07:06 (3)	20:37		19:11		16:50	17:52	15:48	09:09 (2)	15:27
28	05:07	06:00 (1)	06:13		07:18		07:25	17:52	15:48	09:09 (2)	15:27
	21:50	07:07 (3)	20:34		19:08		16:48	17:51	15:47	09:08 (2)	15:26
29	05:09	05:58 (1)	06:15		07:20		07:27	17:51	15:47	09:08 (2)	15:26
	21:48	07:06 (3)	20:32		19:05		16:45	17:50	15:46	09:07 (2)	15:25
30	05:11	05:58 (1)	06:17		07:23		07:29	17:50	15:46	09:07 (2)	15:25
	21:46	07:05 (3)	20:29		19:02		16:43	17:49	15:45	09:06 (2)	15:24
31	05:13	05:57 (1)	06:19		07:25		07:31	17:49	15:45	09:06 (2)	15:24
	21:44	07:05 (3)	20:26		19:02		16:41	17:48	15:44	09:05 (2)	15:23
Potential sun hours	538		474		386		321		241		207
Total, worst case	1324		765		326		220		502		207
Sun reduction	0,57		0,55		0,43		0,31		0,15		0,15
Oper. time red.	0,93		0,93		0,93		0,93		0,93		0,93
Wind dir. red.	0,95		0,95		0,99		0,65		0,65		0,65
Total reduction	0,50		0,48		0,39		0,18		0,09		0,09
Total, real	662		371		129		40		47		47

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CD - Vecmelderi
 Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
 0 1 Sum
 4 076 4 076 8 152

	January	February	March	April	May	June
1	09:07	11:55 (11) 08:27	09:19 (12) 07:20	07:57 (13) 06:54	05:34	04:33
	15:45	13:47 (10) 16:46	09:44 (12) 17:52	08:07 (13) 20:01	21:07	22:09
2	09:06	11:57 (11) 08:25	09:18 (12) 07:17	07:53 (13) 06:51	05:31	04:31
	15:47	13:48 (10) 16:48	09:43 (12) 17:54	08:10 (13) 20:03	21:10	22:10
3	09:06	11:59 (11) 08:23	09:19 (12) 07:14	07:50 (13) 06:48	05:29	04:30
	15:48	13:48 (10) 16:51	09:43 (12) 17:56	08:11 (13) 20:06	21:12	22:12
4	09:05	12:00 (11) 08:21	09:19 (12) 07:11	07:48 (13) 06:45	05:26	04:29
	15:49	13:48 (10) 16:53	09:42 (12) 17:59	08:12 (13) 20:08	21:14	22:13
5	09:05	13:12 (10) 08:19	09:20 (12) 07:09	07:48 (13) 06:43	05:24	04:28
	15:51	13:49 (10) 16:55	09:43 (12) 18:01	08:14 (13) 20:10	21:16	22:15
6	09:04	13:13 (10) 08:16	09:21 (12) 07:06	07:47 (13) 06:40	05:22	04:27
	15:52	13:50 (10) 16:58	09:42 (12) 18:03	08:15 (13) 20:12	21:18	22:16
7	09:04	13:14 (10) 08:14	09:21 (12) 07:03	07:45 (13) 06:37	05:19	04:26
	15:54	13:50 (10) 17:00	09:41 (12) 18:06	08:15 (13) 20:14	21:21	22:17
8	09:03	13:14 (10) 08:12	09:23 (12) 07:01	07:44 (13) 06:34	05:17	04:25
	15:56	13:50 (10) 17:02	09:40 (12) 18:08	08:15 (13) 20:17	21:23	22:18
9	09:02	13:14 (10) 08:10	09:24 (12) 06:58	07:44 (13) 06:32	05:15	04:25
	15:57	13:50 (10) 17:05	09:38 (12) 18:10	08:15 (13) 20:19	21:25	22:19
10	09:01	13:15 (10) 08:07	09:27 (12) 06:55	07:44 (13) 06:29	05:12	04:24
	15:59	13:51 (10) 17:07	09:36 (12) 18:12	08:16 (13) 20:21	21:27	22:20
11	09:00	13:16 (10) 08:05	06:52	07:44 (13) 06:26	05:10	04:23
	16:01	13:52 (10) 17:10	18:15	08:15 (13) 20:23	21:29	22:21
12	08:59	13:16 (10) 08:03	06:50	07:43 (13) 06:23	05:08	04:23
	16:03	13:51 (10) 17:12	18:17	08:15 (13) 20:25	21:31	22:22
13	08:58	13:17 (10) 08:00	06:47	07:43 (13) 06:21	05:06	04:22
	16:05	13:52 (10) 17:14	18:19	08:14 (13) 20:28	21:33	22:23
14	08:57	13:17 (10) 07:58	06:44	07:43 (13) 06:18	05:04	04:22
	16:06	13:51 (10) 17:17	18:21	08:13 (13) 20:30	21:35	22:24
15	08:56	13:18 (10) 07:55	06:41	07:44 (13) 06:15	05:02	04:21
	16:08	13:52 (10) 17:19	18:24	08:12 (13) 20:32	21:38	22:25
16	08:54	13:18 (10) 07:53	06:38	07:45 (13) 06:12	05:00	04:21
	16:10	13:52 (10) 17:21	18:26	08:11 (13) 20:34	21:40	22:25
17	08:53	13:19 (10) 07:51	06:36	07:46 (13) 06:10	04:58	04:21
	16:12	13:51 (10) 17:24	18:28	08:10 (13) 20:36	21:42	22:26
18	08:52	13:21 (10) 07:48	06:33	07:47 (13) 06:07	04:56	04:21
	16:15	13:52 (10) 17:26	18:30	08:08 (13) 20:39	21:44	22:26
19	08:50	13:21 (10) 07:46	06:30	07:48 (13) 06:04	04:54	04:21
	16:17	13:52 (10) 17:29	18:32	08:05 (13) 20:41	21:46	22:27
20	08:49	13:22 (10) 07:43	06:27	07:51 (13) 06:02	04:52	04:21
	16:19	13:51 (10) 17:31	18:35	08:01 (13) 20:43	21:48	22:27
21	08:47	09:24 (12) 07:40	06:25	05:59	04:50	04:21
	16:21	13:50 (10) 17:33	18:37	20:45	21:50	22:28
22	08:46	09:22 (12) 07:38	06:22	05:57	04:48	04:21
	16:23	13:50 (10) 17:36	18:39	20:48	21:51	22:28
23	08:44	09:21 (12) 07:35	06:19	05:54	04:46	04:21
	16:25	13:49 (10) 17:38	18:41	20:50	21:53	22:28
24	08:42	09:20 (12) 07:33	06:16	05:51	04:45	04:22
	16:27	13:48 (10) 17:40	18:43	20:52	21:55	22:28
25	08:41	09:19 (12) 07:30	06:13	05:49	04:43	04:22
	16:30	13:46 (10) 17:43	18:46	20:54	21:57	22:28
26	08:39	09:19 (12) 07:27	06:11	05:46	04:41	04:22
	16:32	13:44 (10) 17:45	18:48	20:56	21:59	22:28
27	08:37	09:19 (12) 07:25	06:08	05:44	04:40	04:23
	16:34	09:41 (12) 17:47	18:50	20:59	22:01	22:28
28	08:35	09:19 (12) 07:22	06:05	05:41	04:38	04:24
	16:37	09:42 (12) 17:50	18:52	21:01	22:02	22:27
29	08:33	09:18 (12)	07:02	05:39	04:37	04:24
	16:39	09:42 (12)	19:55	21:03	22:04	22:27
30	08:31	09:18 (12)	06:59	05:36	04:35	04:25
	16:41	09:42 (12)	19:57	21:05	22:06	22:27
31	08:29	09:18 (12)	06:57		04:34	
	16:44	09:43 (12)	19:59		22:07	
Potential sun hours	227	262	365	429	515	539
Total, worst case	1071	201	500			
Sun reduction	0,13	0,22	0,37			
Oper. time red.	0,93	0,93	0,93			
Wind dir. red.	0,36	0,66	0,92			
Total reduction	0,04	0,14	0,31			
Total, real	47	27	157			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CD - Vecmolderi
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	July	August	September	October	November	December
1	04:26	05:15	06:21	07:24	08:23 (13)	07:34
	22:26	21:41	20:23	18:59	08:54 (13)	16:38
2	04:27	05:17	06:23	07:27	08:22 (13)	07:36
	22:26	21:39	20:21	18:57	08:53 (13)	16:36
3	04:28	05:19	06:25	07:29	08:21 (13)	07:38
	22:25	21:37	20:18	18:54	08:53 (13)	16:33
4	04:29	05:21	06:27	07:31	08:22 (13)	07:41
	22:24	21:35	20:15	18:51	08:53 (13)	16:31
5	04:30	05:23	06:29	07:33	08:22 (13)	07:43
	22:24	21:32	20:12	18:48	08:52 (13)	16:29
6	04:31	05:25	06:31	07:35	08:21 (13)	07:45
	22:23	21:30	20:10	18:46	08:51 (13)	16:26
7	04:32	05:27	06:34	07:37	08:21 (13)	07:47
	22:22	21:28	20:07	18:43	08:50 (13)	16:24
8	04:33	05:30	06:36	07:40	08:23 (13)	07:50
	22:21	21:26	20:04	18:40	08:50 (13)	16:22
9	04:35	05:32	06:38	07:42	08:23 (13)	07:52
	22:20	21:23	20:01	18:37	08:48 (13)	16:20
10	04:36	05:34	06:40	07:44	08:24 (13)	07:54
	22:19	21:21	19:58	18:35	08:47 (13)	16:18
11	04:37	05:36	06:42	07:46	08:25 (13)	07:57
	22:18	21:18	19:56	18:32	08:44 (13)	16:16
12	04:39	05:38	06:44	07:48	08:28 (13)	07:59
	22:16	21:16	19:53	18:29	08:42 (13)	16:14
13	04:40	05:40	06:46	07:51	08:32 (13)	08:01
	22:15	21:13	19:50	18:26	08:37 (13)	16:12
14	04:42	05:42	06:48	07:53		08:03
	22:14	21:11	19:47	18:24		16:10
15	04:43	05:45	06:50	07:55		08:06
	22:12	21:08	19:44	18:21		16:08
16	04:45	05:47	06:53	07:57		08:08
	22:11	21:06	19:42	18:18		16:06
17	04:47	05:49	06:55	07:59		08:10
	22:09	21:03	19:39	18:16		16:04
18	04:48	05:51	06:57	08:02		08:12
	22:08	21:01	19:36	18:13		16:02
19	04:50	05:53	06:59	08:04		08:15
	22:06	20:58	19:33	18:10		16:00
20	04:52	05:55	07:01	08:06		08:17
	22:05	20:56	19:30	18:08		15:59
21	04:54	05:57	07:03	08:08		08:19
	22:03	20:53	19:27	18:05		15:57
22	04:55	05:59	07:05	08:11		08:21
	22:01	20:50	19:25	18:03		15:55
23	04:57	06:02	07:07	08:13		08:23
	21:59	20:48	19:22	08:44 (13)		15:54
24	04:59	06:04	07:10	08:15		08:25
	21:58	20:45	19:19	08:48 (13)		15:52
25	05:01	06:06	07:12	08:30 (13)		08:27
	21:56	20:42	19:16	08:50 (13)		15:51
26	05:03	06:08	07:14	08:28 (13)		08:29
	21:54	20:40	19:13	08:51 (13)		15:49
27	05:05	06:10	07:16	08:26 (13)		08:31
	21:52	20:37	19:11	08:52 (13)		15:48
28	05:07	06:12	07:18	08:26 (13)		08:33
	21:50	20:34	19:08	08:53 (13)		15:47
29	05:09	06:14	07:20	08:24 (13)		08:35
	21:48	20:32	19:05	08:54 (13)		15:45
30	05:11	06:17	07:22	08:23 (13)		08:37
	21:46	20:29	19:02	08:54 (13)		15:44
31	05:13	06:19		07:31		
	21:44	20:26		16:40		15:44
Potential sun hours	539	475	386	321	241	207
Total, worst case			178	327	839	1504
Sun reduction			0,43	0,31	0,15	0,13
Oper. time red.			0,93	0,93	0,93	0,93
Wind dir. red.			0,92	0,92	0,48	0,23
Total reduction			0,37	0,26	0,07	0,03
Total, real			66	86	58	42

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CE - Vecsilupites
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

January		February		March		April		May		June	
1	09:07	10:37 (11)	08:27	12:01 (10)	07:20	06:54	07:52 (13)	05:34	04:33		
	15:45	12:31 (10)	16:46	15:50 (1)	17:52	20:01	08:10 (13)	21:07	22:09		
2	09:06	10:38 (11)	08:25	12:02 (10)	07:17	06:51	07:53 (13)	05:31	04:32		
	15:47	12:33 (10)	16:48	15:47 (1)	17:54	20:03	08:07 (13)	21:10	22:10		
3	09:06	10:38 (11)	08:23	12:04 (10)	07:14	06:48	07:56 (13)	05:29	04:30		
	15:48	12:33 (10)	16:51	12:36 (10)	17:56	20:06	08:04 (13)	21:12	22:12		
4	09:05	10:39 (11)	08:21	12:05 (10)	07:11	06:45		05:26	04:29		
	15:49	12:33 (10)	16:53	12:34 (10)	17:59	20:08		21:14	22:13		
5	09:05	10:39 (11)	08:19	12:08 (10)	07:09	06:43		05:24	04:28		
	15:51	12:34 (10)	16:55	12:32 (10)	18:01	20:10		21:16	22:15		
6	09:04	10:40 (11)	08:16	12:11 (10)	07:06	06:40		05:22	04:27		
	15:52	12:35 (10)	16:58	12:30 (10)	18:03	20:12		21:18	22:16		
7	09:04	10:41 (11)	08:14	12:16 (10)	07:03	06:37		05:19	04:26		
	15:54	12:36 (10)	17:00	12:24 (10)	18:06	20:14		21:21	22:17		
8	09:03	10:41 (11)	08:12		07:01	06:34		05:17	04:25		
	15:56	12:36 (10)	17:03		18:08	20:17		21:23	22:18		
9	09:02	10:41 (11)	08:10		06:58	06:32		05:15	04:25		
	15:57	12:36 (10)	17:05		18:10	20:19		21:25	22:19		
10	09:01	10:42 (11)	08:07		06:55	06:29		05:12	04:24		
	15:59	12:37 (10)	17:07		18:12	20:21		21:27	22:20		
11	09:00	10:43 (11)	08:05		06:52	06:26		05:10	04:23		
	16:01	12:38 (10)	17:10		18:15	20:23		21:29	22:21		
12	08:59	10:43 (11)	08:03	08:33 (12)	06:50	06:23		05:08	04:23		
	16:03	12:38 (10)	17:12	08:42 (12)	18:17	20:25		21:31	22:22		
13	08:58	10:44 (11)	08:00	08:30 (12)	06:47	06:21		05:06	04:22		
	16:05	12:39 (10)	17:14	08:44 (12)	18:19	20:28		21:33	22:23		
14	08:57	10:44 (11)	07:58	08:27 (12)	06:44	06:18		05:04	04:22		
	16:06	12:39 (10)	17:17	08:45 (12)	18:21	20:30		21:36	22:24		
15	08:56	10:46 (11)	07:55	08:27 (12)	06:41	06:15		05:02	04:21		
	16:08	12:40 (10)	17:19	08:47 (12)	18:24	20:32		21:38	22:25		
16	08:54	10:46 (11)	07:53	08:26 (12)	06:39	06:12		05:00	04:21		
	16:10	12:40 (10)	17:22	08:47 (12)	18:26	20:34		21:40	22:25		
17	08:53	10:47 (11)	07:51	08:25 (12)	06:36	06:10		04:58	04:21		
	16:12	12:40 (10)	17:24	08:47 (12)	18:28	20:36		21:42	22:26		
18	08:52	10:49 (11)	07:48	08:25 (12)	06:33	06:07		04:56	04:21		
	16:15	12:41 (10)	17:26	08:48 (12)	18:30	20:39		21:44	22:26		
19	08:50	10:50 (11)	07:46	08:25 (12)	06:30	06:04	06:59 (13)	04:54	04:21		
	16:17	15:36 (1)	17:29	08:48 (12)	18:32	20:41	07:11 (13)	21:46	22:27		
20	08:49	10:51 (11)	07:43	08:24 (12)	06:27	06:02	06:56 (13)	04:52	04:21		
	16:19	15:38 (1)	17:31	08:47 (12)	18:35	20:43	07:13 (13)	21:48	22:27		
21	08:47	10:52 (11)	07:40	08:25 (12)	06:25	06:55 (13)	05:59	04:50	04:21		
	16:21	15:41 (1)	17:33	08:48 (12)	18:37	20:45	07:15 (13)	21:50	22:28		
22	08:46	10:54 (11)	07:38	08:25 (12)	06:22	06:53 (13)	05:57	04:48	04:21		
	16:23	15:43 (1)	17:36	08:47 (12)	18:39	20:48	07:15 (13)	21:51	22:28		
23	08:44	10:57 (11)	07:35	08:26 (12)	06:19	06:52 (13)	05:54	04:46	04:21		
	16:25	15:46 (1)	17:38	08:46 (12)	18:41	20:50	07:16 (13)	21:53	22:28		
24	08:42	11:54 (10)	07:33	08:27 (12)	06:16	06:51 (13)	05:51	04:45	04:22		
	16:28	15:48 (1)	17:40	08:45 (12)	18:44	20:52	07:16 (13)	21:55	22:28		
25	08:41	11:55 (10)	07:30	08:28 (12)	06:13	06:50 (13)	05:49	04:43	04:22		
	16:30	15:51 (1)	17:43	08:43 (12)	18:46	20:54	07:16 (13)	21:57	22:28		
26	08:39	11:56 (10)	07:27	08:30 (12)	06:11	06:49 (13)	05:46	04:41	04:22		
	16:32	15:52 (1)	17:45	08:40 (12)	18:48	20:56	07:15 (13)	21:59	22:28		
27	08:37	11:56 (10)	07:25		06:08	06:50 (13)	05:44	04:40	04:23		
	16:34	15:53 (1)	17:47		18:50	20:59	07:16 (13)	22:01	22:28		
28	08:35	11:57 (10)	07:22		06:05	06:50 (13)	05:41	04:38	04:24		
	16:37	15:53 (1)	17:50		18:52	21:01	07:15 (13)	22:02	22:27		
29	08:33	11:57 (10)			07:02	07:50 (13)	05:39	04:37	04:24		
	16:39	15:52 (1)			19:55	21:03	08:14 (13)	22:04	22:27		
30	08:31	11:59 (10)			06:59	07:50 (13)	05:36	04:35	04:25		
	16:41	15:51 (1)			19:57	21:05	08:12 (13)	22:06	22:27		
31	08:29	12:00 (10)			06:57	07:51 (13)		04:34			
	16:44	15:51 (1)			19:59	21:08	08:12 (13)	22:07			
Potential sun hours	227		262		365		429		515		539
Total, worst case	2225		480		290		40				
Sun reduction	0,13		0,22		0,37		0,46				
Oper. time red.	0,93		0,93		0,93		0,93				
Wind dir. red.	0,16		0,52		0,99		0,99				
Total reduction	0,02		0,11		0,34		0,42				
Total, real	44		51		98		17				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CE - Vecsilupites
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	July	August	September	October	November	December	
1	04:26	05:15	06:21	07:24	07:34	08:39	10:25 (11)
	22:26	21:41	20:23	18:59	16:38	15:43	78 12:20 (10)
2	04:27	05:17	06:23	07:27	07:36	08:41	10:25 (11)
	22:26	21:39	20:21	18:57	16:36	15:42	78 12:20 (10)
3	04:28	05:19	06:25	07:29	07:38	08:43	10:25 (11)
	22:25	21:37	20:18	18:54	16:33	15:41	78 12:20 (10)
4	04:29	05:21	06:27	07:31	07:41	11:44 (10)	08:44 10:26 (11)
	22:24	21:35	20:15	18:51	16:31	11:55 (10)	15:40 78 12:21 (10)
5	04:30	05:23	06:29	07:33	07:43	11:40 (10)	08:46 10:26 (11)
	22:24	21:33	20:12	18:48	16:29	12:00 (10)	15:39 78 12:21 (10)
6	04:31	05:25	06:31	07:35	07:45	11:37 (10)	08:48 10:26 (11)
	22:23	21:30	20:10	18:46	16:26	12:02 (10)	15:39 77 12:20 (10)
7	04:32	05:28	06:34	07:37	07:47	11:36 (10)	08:49 10:26 (11)
	22:22	21:28	20:07	18:43	16:24	12:05 (10)	15:38 78 12:21 (10)
8	04:33	05:30	06:36	07:40	07:50	11:35 (10)	08:51 10:27 (11)
	22:21	21:26	20:04	18:40	16:22	12:07 (10)	15:37 77 12:21 (10)
9	04:35	05:32	06:38	07:50 (13)	07:52	11:33 (10)	08:52 10:28 (11)
	22:20	21:23	20:01	18:37	16:20	15:18 (1)	15:37 77 12:22 (10)
10	04:36	05:34	06:40	07:47 (13)	07:44	11:32 (10)	08:54 10:27 (11)
	22:19	21:21	19:58	18:35	16:18	15:21 (1)	15:36 78 12:22 (10)
11	04:37	05:36	06:42	07:44 (13)	07:46	11:31 (10)	08:55 10:28 (11)
	22:18	21:18	19:56	18:32	16:16	15:22 (1)	15:36 78 12:23 (10)
12	04:39	05:38	06:44	07:43 (13)	07:48	11:30 (10)	08:56 10:28 (11)
	22:16	21:16	19:53	18:29	16:14	15:23 (1)	15:35 76 12:22 (10)
13	04:40	05:40	06:46	07:41 (13)	07:51	11:29 (10)	08:57 10:29 (11)
	22:15	21:13	19:50	18:26	16:12	15:23 (1)	15:35 75 12:22 (10)
14	04:42	05:42	06:48	07:40 (13)	07:53	11:29 (10)	08:59 10:30 (11)
	22:14	21:11	19:47	18:24	16:10	15:25 (1)	15:35 75 12:23 (10)
15	04:43	05:45	06:50	07:39 (13)	07:55	09:05 (12)	08:06 11:28 (10)
	22:12	21:08	19:44	18:21	16:08	15:25 (1)	15:35 75 12:24 (10)
16	04:45	05:47	06:53	07:38 (13)	07:57	09:01 (12)	08:08 11:29 (10)
	22:11	21:06	19:42	18:18	16:06	15:25 (1)	15:35 75 12:24 (10)
17	04:47	05:49	06:55	07:38 (13)	07:59	08:59 (12)	08:10 11:29 (10)
	22:09	21:03	19:39	18:16	16:04	15:25 (1)	15:35 74 12:24 (10)
18	04:48	05:51	06:57	07:37 (13)	08:02	08:58 (12)	08:12 11:28 (10)
	22:08	21:01	19:36	18:13	16:02	15:22 (1)	15:35 75 12:25 (10)
19	04:50	05:53	06:59	07:37 (13)	08:04	08:57 (12)	08:15 10:32 (11)
	22:06	20:58	19:33	18:10	16:00	15:21 (1)	15:35 74 12:24 (10)
20	04:52	05:55	07:01	07:38 (13)	08:06	08:56 (12)	08:17 10:29 (11)
	22:05	20:56	19:30	18:08	16:00	15:18 (1)	15:36 74 12:25 (10)
21	04:54	05:57	07:03	07:39 (13)	08:08	08:55 (12)	08:19 10:28 (11)
	22:03	20:53	19:27	18:05	16:00	15:17 (1)	15:36 74 12:26 (10)
22	04:55	06:00	07:05	07:39 (13)	08:11	08:56 (12)	08:21 10:27 (11)
	22:01	20:50	19:25	18:03	16:00	15:14 (1)	15:36 74 12:26 (10)
23	04:57	06:02	07:07	07:40 (13)	08:13	08:55 (12)	08:23 10:26 (11)
	21:59	20:48	19:22	18:00	16:00	15:12 (1)	15:37 74 12:27 (10)
24	04:59	06:04	07:10	07:42 (13)	08:15	08:55 (12)	08:25 10:26 (11)
	21:58	20:45	19:19	17:58	16:00	15:11 (1)	15:37 74 12:27 (10)
25	05:01	06:06	07:12	07:45 (13)	08:18	08:55 (12)	08:27 10:25 (11)
	21:56	20:42	19:16	17:55	16:00	15:11 (1)	15:38 74 12:28 (10)
26	05:03	06:08	07:14	07:50	16:00	15:11 (1)	15:39 74 12:28 (10)
	21:54	20:40	19:13	17:53	16:00	15:10 (1)	15:39 74 12:28 (10)
27	05:05	06:10	07:16	07:52	16:00	15:10 (1)	15:40 75 12:29 (10)
	21:52	20:37	19:11	17:50	16:00	15:09 (1)	15:41 75 12:29 (10)
28	05:07	06:12	07:18	07:52	16:00	15:09 (1)	15:42 75 12:30 (10)
	21:50	20:34	19:08	17:48	16:00	15:08 (1)	15:43 75 12:30 (10)
29	05:09	06:14	07:20	07:54	16:00	15:08 (1)	15:44 75 12:31 (10)
	21:48	20:32	19:05	17:45	16:00	15:07 (1)	15:45 75 12:31 (10)
30	05:11	06:17	07:22	07:56	16:00	15:07 (1)	15:46 75 12:32 (10)
	21:46	20:29	19:02	17:43	16:00	15:06 (1)	15:47 75 12:33 (10)
31	05:13	06:19		07:58	16:00	15:06 (1)	15:48 75 12:34 (10)
	21:44	20:26		17:40	16:00	15:05 (1)	15:49 75 12:35 (10)
Potential sun hours	538	475	386	321	241	207	
Total, worst case			339	286	1572		2348
Sun reduction			0,43	0,31	0,15		0,13
Oper. time red.			0,93	0,93	0,93		0,93
Wind dir. red.			0,99	0,83	0,16		0,15
Total reduction			0,40	0,24	0,02		0,02
Total, real			134	68	36		41

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CF - Vecspridi šī
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:45	08:27 16:46	07:19 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:34 16:38	08:39 15:43
2	09:06 15:46	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:10	04:31 22:10	04:26 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:35	08:41 15:42
3	09:06 15:48	08:23 16:50	07:14 17:56	06:48 20:05	05:29 21:12	04:30 22:12	04:27 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	09:05 15:49	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	04:29 22:13	04:28 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:40
5	09:05 15:51	08:19 16:55	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:15	04:30 22:24	05:23 21:33	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39
6	09:04 15:52	08:16 16:58	07:06 18:03	06:40 20:12	05:21 21:18	04:27 22:16	04:31 22:23	05:25 21:30	06:31 20:10	07:35 18:45	07:45 16:26	08:48 15:38
7	09:04 15:54	08:14 17:00	07:03 18:05	06:37 20:14	05:19 21:21	04:26 22:17	04:32 22:22	05:27 21:28	06:33 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:03 15:55	08:12 17:02	07:01 18:08	06:34 20:17	05:17 21:23	04:25 22:18	04:33 22:21	05:29 21:26	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37
9	09:02 15:57	08:10 17:05	06:58 18:10	06:31 20:19	05:15 21:25	04:24 22:19	04:34 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:36
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:12 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:34	07:54 16:18	08:54 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:23 22:21	04:37 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:22 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:13	08:56 15:35
13	08:58 16:04	08:00 17:14	06:47 18:19	06:20 20:28	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:51 18:26	08:01 16:11	08:57 15:35
14	08:57 16:06	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:36	04:22 22:24	04:42 22:14	05:42 21:11	06:48 19:47	07:53 18:24	08:03 16:09	08:59 15:35
15	08:56 16:08	07:55 17:19	06:41 18:23	06:15 20:32	05:02 21:38	04:21 22:25	04:43 22:12	05:44 21:08	06:50 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:10	07:53 17:21	06:38 18:26	06:12 20:34	04:59 21:40	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:41	07:57 18:18	08:08 16:06	09:01 15:35
17	08:53 16:12	07:51 17:24	06:36 18:28	06:10 20:36	04:57 21:42	04:21 22:26	04:46 22:10	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:02 15:35
18	08:52 16:14	07:48 17:26	06:33 18:30	06:07 20:39	04:55 21:44	04:21 22:26	04:48 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:03 15:35
19	08:50 16:16	07:46 17:28	06:30 18:32	06:04 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:10	08:15 16:00	09:03 15:35
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:58	09:04 15:35
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	04:50 21:50	04:21 22:28	04:53 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	05:56 20:48	04:48 21:52	04:21 22:28	04:55 22:01	05:59 20:50	07:05 19:25	08:11 18:03	08:21 15:55	09:05 15:36
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:50	04:46 21:53	04:21 22:28	04:57 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:27	07:33 17:40	06:16 18:43	05:51 20:52	04:44 21:55	04:21 22:28	04:59 21:58	06:04 20:45	07:09 19:19	08:15 17:57	08:25 15:52	09:06 15:37
25	08:41 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:38
26	08:39 16:32	07:27 17:45	06:10 18:48	05:46 20:56	04:41 21:59	04:22 22:28	05:03 21:54	06:08 20:40	07:14 19:13	07:20 16:52	08:29 15:49	09:07 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:36	07:22 17:49	06:05 18:52	05:41 21:01	04:38 22:02	04:23 22:27	05:07 21:50	06:12 20:34	07:18 19:08	07:24 16:47	08:33 15:47	09:07 15:40
29	08:33 16:39		07:02 19:54	05:38 21:03	04:37 22:04	04:24 22:27	05:09 21:48	06:14 20:32	07:20 19:05	07:27 16:45	08:35 15:45	09:07 15:41
30	08:31 16:41		06:59 19:57	05:36 21:05	04:35 22:06	04:25 22:27	05:11 21:46	06:16 20:29	07:22 19:02	07:29 16:43	08:37 15:44	09:07 15:43
31	08:29 16:43		06:56 19:59		04:34 22:07		05:13 21:44	06:19 20:26		07:31 16:40		09:07 15:44
Potential sun hours	227	262	365	430	516	539	539	475	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: CG - Vecto šeni
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January		February		March		April		May		June	
1	09:06		08:27	15:27 (9)	07:19	06:54			05:34		19:06 (12)	04:33
	15:45		16:46	24 15:51 (9)	17:52	20:01			21:07	39	19:45 (12)	22:09
2	09:06		08:25	15:27 (9)	07:17	06:51			05:31		19:06 (12)	04:31
	15:47		16:48	24 15:51 (9)	17:54	20:03			21:09	37	19:43 (12)	22:10
3	09:06		08:23	15:28 (9)	07:14	06:48			05:29		19:07 (12)	04:30
	15:48		16:51	24 15:52 (9)	17:56	20:05			21:12	36	19:43 (12)	22:12
4	09:05		08:21	15:28 (9)	07:11	06:45			05:26		19:08 (12)	04:29
	15:49		16:53	23 15:51 (9)	17:59	20:08			21:14	34	19:42 (12)	22:13
5	09:05		08:18	15:29 (9)	07:09	06:42			05:24		19:09 (12)	04:28
	15:51		16:55	22 15:51 (9)	18:01	20:10			21:16	32	19:41 (12)	22:14
6	09:04		08:16	15:30 (9)	07:06	06:40			05:22		19:09 (12)	04:27
	15:52		16:58	19 15:49 (9)	18:03	20:12			21:18	31	19:40 (12)	22:16
7	09:03		08:14	15:32 (9)	07:03	06:37			05:19		19:10 (12)	04:26
	15:54		17:00	17 15:49 (9)	18:05	20:14			21:20	28	19:38 (12)	22:17
8	09:03		08:12	15:33 (9)	07:00	06:34			05:17		19:12 (12)	04:25
	15:56		17:02	14 15:47 (9)	18:08	20:16			21:23	25	19:37 (12)	22:18
9	09:02		08:10	15:36 (9)	06:58	06:31			05:15		19:13 (12)	04:25
	15:57		17:05	9 15:45 (9)	18:10	20:19			21:25	23	19:36 (12)	22:19
10	09:01		08:07		06:55	06:29		19:25 (12)	05:12		19:15 (12)	04:24
	15:59		17:07		18:12	20:21	8	19:33 (12)	21:27	19	19:34 (12)	22:20
11	09:00		08:05		06:52	06:26		19:20 (12)	05:10		19:18 (12)	04:23
	16:01		17:10		18:14	20:23	17	19:37 (12)	21:29	13	19:31 (12)	22:21
12	08:59		08:03		06:49	06:23		19:18 (12)	05:08			04:23
	16:03		17:12		18:17	20:25	22	19:40 (12)	21:31			22:22
13	08:58		08:00		06:47	06:20		19:15 (12)	05:06			04:22
	16:04		17:14		18:19	20:27	27	19:42 (12)	21:33			22:23
14	08:57		07:58		06:44	06:18		19:13 (12)	05:04			04:22
	16:06		17:17		18:21	20:30	30	19:43 (12)	21:35			22:24
15	08:55		07:55		06:41	06:15		19:12 (12)	05:02			04:21
	16:08		17:19		18:23	20:32	33	19:45 (12)	21:37			22:24
16	08:54		07:53		06:38	06:12		19:10 (12)	05:00			04:21
	16:10		17:21		18:26	20:34	35	19:45 (12)	21:39			22:25
17	08:53		07:50		06:36	06:10		19:09 (12)	04:58			04:21
	16:12		17:24		18:28	20:36	37	19:46 (12)	21:41			22:26
18	08:51		07:48		06:33	06:07		19:08 (12)	04:56			04:21
	16:14		17:26		18:30	20:38	38	19:46 (12)	21:43			22:26
19	08:50	15:35 (9)	07:45		06:30	06:04		19:08 (12)	04:54			04:21
	16:17	1 15:36 (9)	17:28		18:32	20:41	39	19:47 (12)	21:45			22:27
20	08:49	15:32 (9)	07:43		06:27	06:02		19:06 (12)	04:52			04:21
	16:19	6 15:38 (9)	17:31		18:35	20:43	41	19:47 (12)	21:47			22:27
21	08:47	15:30 (9)	07:40		06:24	05:59		19:05 (12)	04:50			04:21
	16:21	11 15:41 (9)	17:33		18:37	20:45	42	19:47 (12)	21:49			22:27
22	08:45	15:29 (9)	07:38		06:22	05:56		19:05 (12)	04:48			04:21
	16:23	14 15:43 (9)	17:35		18:39	20:47	42	19:47 (12)	21:51			22:27
23	08:44	15:28 (9)	07:35		06:19	05:54		19:05 (12)	04:46			04:21
	16:25	18 15:46 (9)	17:38		18:41	20:50	43	19:48 (12)	21:53			22:28
24	08:42	15:28 (9)	07:33		06:16	05:51		19:05 (12)	04:45			04:21
	16:27	19 15:47 (9)	17:40		18:43	20:52	42	19:47 (12)	21:55			22:28
25	08:40	15:27 (9)	07:30		06:13	05:49		19:05 (12)	04:43			04:22
	16:30	21 15:48 (9)	17:42		18:46	20:54	42	19:47 (12)	21:57			22:28
26	08:39	15:27 (9)	07:27		06:10	05:46		19:04 (12)	04:41			04:22
	16:32	22 15:49 (9)	17:45		18:48	20:56	43	19:47 (12)	21:59			22:28
27	08:37	15:27 (9)	07:25		06:08	05:44		19:05 (12)	04:40			04:23
	16:34	23 15:50 (9)	17:47		18:50	20:58	42	19:47 (12)	22:00			22:27
28	08:35	15:26 (9)	07:22		06:05	05:41		19:04 (12)	04:38			04:23
	16:37	24 15:50 (9)	17:49		18:52	21:01	42	19:46 (12)	22:02			22:27
29	08:33	15:26 (9)			07:02	05:38		19:05 (12)	04:37			04:24
	16:39	25 15:51 (9)			19:54	21:03	40	19:45 (12)	22:04			22:27
30	08:31	15:27 (9)			06:59	05:36		19:05 (12)	04:35			04:25
	16:41	24 15:51 (9)			19:57	21:05	40	19:45 (12)	22:05			22:26
31	08:29	15:27 (9)			06:56				04:34			
	16:43	25 15:52 (9)			19:59				22:07			
Potential sun hours	227		262		365	429		515				539
Total, worst case	233		176			745		317				
Sun reduction	0,13		0,22			0,46		0,58				
Oper. time red.	0,93		0,93			0,93		0,93				
Wind dir. red.	0,72		0,72			0,98		0,98				
Total reduction	0,09		0,15			0,42		0,53				
Total, real	20		26			314		168				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: CG - Vecto šeni

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	July	August			September			October	November			December
1	04:26	05:15		19:31 (12)	06:21		19:20 (12)	07:24	07:33			08:39
	22:26	21:41	7	19:38 (12)	20:23	17	19:37 (12)	18:59	16:38			15:43
2	04:27	05:17		19:27 (12)	06:23		19:24 (12)	07:26	07:36		15:05 (9)	08:41
	22:25	21:39	15	19:42 (12)	20:20	8	19:32 (12)	18:56	16:35	10	15:15 (9)	15:42
3	04:28	05:19		19:25 (12)	06:25			07:29	07:38		15:02 (9)	08:42
	22:25	21:37	20	19:45 (12)	20:18			18:54	16:33	14	15:16 (9)	15:41
4	04:29	05:21		19:23 (12)	06:27			07:31	07:40		15:01 (9)	08:44
	22:24	21:35	23	19:46 (12)	20:15			18:51	16:31	17	15:18 (9)	15:40
5	04:30	05:23		19:21 (12)	06:29			07:33	07:43		15:00 (9)	08:46
	22:23	21:32	27	19:48 (12)	20:12			18:48	16:29	20	15:20 (9)	15:39
6	04:31	05:25		19:20 (12)	06:31			07:35	07:45		14:59 (9)	08:47
	22:23	21:30	29	19:49 (12)	20:09			18:45	16:26	21	15:20 (9)	15:39
7	04:32	05:27		19:19 (12)	06:33			07:37	07:47		14:59 (9)	08:49
	22:22	21:28	31	19:50 (12)	20:07			18:43	16:24	22	15:21 (9)	15:38
8	04:33	05:30		19:18 (12)	06:36			07:39	07:50		14:58 (9)	08:51
	22:21	21:25	33	19:51 (12)	20:04			18:40	16:22	23	15:21 (9)	15:37
9	04:34	05:32		19:17 (12)	06:38			07:42	07:52		14:58 (9)	08:52
	22:20	21:23	35	19:52 (12)	20:01			18:37	16:20	24	15:22 (9)	15:37
10	04:36	05:34		19:16 (12)	06:40			07:44	07:54		14:57 (9)	08:53
	22:19	21:21	36	19:52 (12)	19:58			18:34	16:18	25	15:22 (9)	15:36
11	04:37	05:36		19:15 (12)	06:42			07:46	07:56		14:58 (9)	08:55
	22:17	21:18	38	19:53 (12)	19:55			18:32	16:16	25	15:23 (9)	15:36
12	04:39	05:38		19:14 (12)	06:44			07:48	07:59		14:59 (9)	08:56
	22:16	21:16	39	19:53 (12)	19:53			18:29	16:14	24	15:23 (9)	15:35
13	04:40	05:40		19:14 (12)	06:46			07:50	08:01		14:58 (9)	08:57
	22:15	21:13	40	19:54 (12)	19:50			18:26	16:12	25	15:23 (9)	15:35
14	04:42	05:42		19:12 (12)	06:48			07:53	08:03		14:59 (9)	08:58
	22:14	21:11	41	19:53 (12)	19:47			18:24	16:10	24	15:23 (9)	15:35
15	04:43	05:44		19:12 (12)	06:50			07:55	08:06		14:59 (9)	08:59
	22:12	21:08	41	19:53 (12)	19:44			18:21	16:08	23	15:22 (9)	15:35
16	04:45	05:47		19:11 (12)	06:52			07:57	08:08		15:00 (9)	09:00
	22:11	21:06	42	19:53 (12)	19:41			18:18	16:06	22	15:22 (9)	15:35
17	04:47	05:49		19:11 (12)	06:55			07:59	08:10		15:00 (9)	09:01
	22:09	21:03	42	19:53 (12)	19:39			18:16	16:04	21	15:21 (9)	15:35
18	04:48	05:51		19:10 (12)	06:57			08:02	08:12		15:02 (9)	09:02
	22:08	21:01	43	19:53 (12)	19:36			18:13	16:02	19	15:21 (9)	15:35
19	04:50	05:53		19:10 (12)	06:59			08:04	08:14		15:02 (9)	09:03
	22:06	20:58	43	19:53 (12)	19:33			18:10	16:00	18	15:20 (9)	15:35
20	04:52	05:55		19:10 (12)	07:01			08:06	08:17		15:04 (9)	09:04
	22:04	20:55	42	19:52 (12)	19:30			18:08	15:59	14	15:18 (9)	15:35
21	04:54	05:57		19:10 (12)	07:03			08:08	08:19		15:05 (9)	09:04
	22:03	20:53	42	19:52 (12)	19:27			18:05	15:57	11	15:16 (9)	15:36
22	04:55	05:59		19:10 (12)	07:05			08:11	08:21		15:08 (9)	09:05
	22:01	20:50	41	19:51 (12)	19:24			18:03	15:55	7	15:15 (9)	15:36
23	04:57	06:02		19:10 (12)	07:07			08:13	08:23		15:11 (9)	09:05
	21:59	20:48	41	19:51 (12)	19:22			18:00	15:54	1	15:12 (9)	15:37
24	04:59	06:04		19:10 (12)	07:09			08:15	08:25			09:06
	21:57	20:45	40	19:50 (12)	19:19			17:57	15:52			15:37
25	05:01	06:06		19:11 (12)	07:11			07:17	08:27			09:06
	21:55	20:42	38	19:49 (12)	19:16			16:55	15:51			15:38
26	05:03	06:08		19:11 (12)	07:14			07:20	08:29			09:06
	21:54	20:40	37	19:48 (12)	19:13			16:52	15:49			15:39
27	05:05	06:10		19:12 (12)	07:16			07:22	08:31			09:07
	21:52	20:37	35	19:47 (12)	19:10			16:50	15:48			15:40
28	05:07	06:12		19:13 (12)	07:18			07:24	08:33			09:07
	21:50	20:34	32	19:45 (12)	19:08			16:47	15:47			15:41
29	05:09	06:14		19:14 (12)	07:20			07:27	08:35			09:07
	21:48	20:31	30	19:44 (12)	19:05			16:45	15:45			15:42
30	05:11	06:16		19:15 (12)	07:22			07:29	08:37			09:07
	21:45	20:29	27	19:42 (12)	19:02			16:43	15:44			15:43
31	05:13	06:19		19:17 (12)				07:31				09:07
	21:43	20:26	22	19:39 (12)				16:40				15:44
Potential sun hours	538	474			386			321	241			207
Total, worst case			1052		25				410			
Sun reduction			0,55		0,43				0,15			
Oper. time red.			0,93		0,93				0,93			
Wind dir. red.			0,98		0,98				0,72			
Total reduction			0,50		0,39				0,10			
Total, real			525		10				42			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)		First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Minutes with flicker	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CH - Vecupites
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:45	08:27 16:46	07:19 17:52	06:54 20:01	05:33 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:34 16:38	08:39 15:43
2	09:06 15:46	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:10	04:31 22:10	04:26 22:26	05:17 21:39	06:23 20:21	07:27 18:56	07:36 16:35	08:41 15:42
3	09:06 15:48	08:23 16:50	07:14 17:56	06:48 20:05	05:29 21:12	04:30 22:12	04:27 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	09:05 15:49	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	04:29 22:13	04:28 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:40 16:31	08:44 15:40
5	09:05 15:51	08:19 16:55	07:09 18:01	06:42 20:10	05:24 21:16	04:28 22:15	04:29 22:24	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39
6	09:04 15:52	08:16 16:58	07:06 18:03	06:40 20:12	05:21 21:18	04:27 22:16	04:31 22:23	05:25 21:30	06:31 20:09	07:35 18:45	07:45 16:26	08:48 15:38
7	09:04 15:54	08:14 17:00	07:03 18:05	06:37 20:14	05:19 21:21	04:26 22:17	04:32 22:22	05:27 21:28	06:33 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:03 15:55	08:12 17:02	07:01 18:08	06:34 20:16	05:17 21:23	04:25 22:18	04:33 22:21	05:29 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37
9	09:02 15:57	08:10 17:05	06:58 18:10	06:31 20:19	05:15 21:25	04:24 22:19	04:34 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:36
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:12 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:34	07:54 16:18	08:54 15:36
11	09:00 16:01	08:05 17:09	06:52 18:14	06:26 20:23	05:10 21:29	04:23 22:21	04:37 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:15	08:55 15:36
12	08:59 16:02	08:03 17:12	06:49 18:17	06:23 20:25	05:08 21:31	04:22 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:13	08:56 15:35
13	08:58 16:04	08:00 17:14	06:47 18:19	06:20 20:28	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:51 18:26	08:01 16:11	08:57 15:35
14	08:57 16:06	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:42 21:11	06:48 19:47	07:53 18:24	08:03 16:09	08:59 15:35
15	08:56 16:08	07:55 17:19	06:41 18:23	06:15 20:32	05:02 21:38	04:21 22:25	04:43 22:12	05:44 21:08	06:50 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:10	07:53 17:21	06:38 18:26	06:12 20:34	04:59 21:40	04:21 22:25	04:45 22:11	05:46 21:06	06:52 19:41	07:57 18:18	08:08 16:06	09:01 15:35
17	08:53 16:12	07:50 17:24	06:36 18:28	06:10 20:36	04:57 21:42	04:21 22:26	04:46 22:09	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:02 15:35
18	08:52 16:14	07:48 17:26	06:33 18:30	06:07 20:39	04:55 21:44	04:21 22:26	04:48 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	08:50 16:16	07:45 17:28	06:30 18:32	06:04 20:41	04:54 21:46	04:20 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:10	08:15 16:00	09:03 15:35
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:20 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:58	09:04 15:35
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 20:45	04:50 21:50	04:21 22:28	04:53 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 17:35	06:22 18:39	05:56 20:47	04:48 21:51	04:21 22:28	04:55 22:01	05:59 20:50	07:05 19:25	08:11 18:03	08:21 15:55	09:05 15:36
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:50	04:46 21:53	04:21 22:28	04:57 21:59	06:01 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:27	07:33 17:40	06:16 18:43	05:51 20:52	04:44 21:55	04:21 22:28	04:59 21:58	06:04 20:45	07:09 19:19	08:15 17:57	08:25 15:52	09:06 15:37
25	08:40 16:30	07:30 17:42	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:42	07:12 19:16	07:17 16:55	08:27 15:51	09:06 15:38
26	08:39 16:32	07:27 17:45	06:10 18:48	05:46 20:56	04:41 21:59	04:22 22:28	05:03 21:54	06:08 20:40	07:14 19:13	07:20 16:52	08:29 15:49	09:07 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:43 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:10	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:36	07:22 17:49	06:05 18:52	05:41 21:01	04:38 22:02	04:23 22:27	05:07 21:50	06:12 20:34	07:18 19:08	07:24 16:47	08:33 15:47	09:07 15:40
29	08:33 16:39		07:02 19:54	05:38 21:03	04:37 22:04	04:24 22:27	05:09 21:48	06:14 20:32	07:20 19:05	07:27 16:45	08:35 15:45	09:07 15:41
30	08:31 16:41		06:59 19:57	05:36 21:05	04:35 22:06	04:25 22:27	05:11 21:46	06:16 20:29	07:22 19:02	07:29 16:43	08:37 15:44	09:07 15:42
31	08:29 16:43		06:56 19:59		04:34 22:07		05:13 21:44	06:19 20:26	07:31 16:40			09:07 15:44
Potential sun hours	227	262	365	430	516	539	539	475	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CI - Vedomurgas
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:03	05:31 21:10	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:41
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:32	06:30 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:20 21:21	04:27 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:47 16:24	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:34 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:35	07:54 16:18	08:53 15:37
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:17	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	04:41 22:15	05:41 21:13	06:46 19:50	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:56 16:09	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:25	04:44 22:12	05:45 21:08	06:51 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:36	04:58 21:42	04:21 22:26	04:47 22:09	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:01 15:35
18	08:52 16:15	07:48 17:26	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:40 17:33	06:25 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:58 20:53	07:03 19:28	08:08 18:05	08:19 15:57	09:04 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	05:57 20:48	04:48 21:51	04:21 22:28	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:40	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:57	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:46 20:56	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:00	04:23 22:27	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:42		06:59 19:57	05:36 21:05	04:36 22:05	04:25 22:26	05:11 21:46	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:34 22:07		05:13 21:43	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

SHADOW - Calendar

Shadow receptor: CJ - Vejini
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December		
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	20:59 (2) 21:23 (2)	04:26 22:26	21:03 (2) 21:41	05:15 20:23	06:21 18:59	07:25 16:38	07:34 15:44	
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:03	05:31 21:10	04:32 22:10	20:59 (2) 21:23 (2)	04:27 22:25	21:03 (2) 21:39	05:17 20:21	06:23 18:57	07:27 16:36	08:41 15:42	
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	20:59 (2) 21:23 (2)	04:28 22:25	21:04 (2) 21:37	05:19 20:18	06:25 18:54	07:29 16:33	08:42 15:41	
4	09:05 15:50	08:21 16:53	07:11 17:59	06:46 20:08	05:27 21:14	04:30 22:13	20:59 (2) 21:24 (2)	04:29 22:24	21:04 (2) 21:35	05:22 20:15	06:27 18:51	07:31 16:31	08:44 15:41	
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	20:58 (2) 21:24 (2)	04:30 22:23	21:04 (2) 21:32	05:24 20:12	06:29 18:48	07:33 16:29	08:46 15:40	
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:28 22:16	20:58 (2) 21:24 (2)	04:31 22:23	21:05 (2) 21:30	05:26 20:10	06:32 18:46	07:35 16:27	08:47 15:39	
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:20 21:20	04:27 22:17	20:58 (2) 21:24 (2)	04:32 22:22	21:05 (2) 21:28	05:28 20:07	06:34 18:43	07:37 16:24	08:49 15:38	
8	09:03 15:56	08:12 17:03	07:01 18:08	06:34 20:17	05:17 21:23	04:26 22:18	20:59 (2) 21:25 (2)	04:34 22:21	21:05 (2) 21:25	05:30 20:04	06:36 18:40	07:40 16:22	08:51 15:38	
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	20:58 (2) 21:25 (2)	04:35 22:20	21:05 (2) 21:23	05:32 20:01	06:38 18:37	07:42 16:20	08:52 15:37	
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:20	20:59 (2) 21:26 (2)	04:36 22:19	21:07 (2) 21:21	05:34 19:58	06:40 18:35	07:44 16:18	08:53 15:37	
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:11 21:29	04:24 22:21	20:58 (2) 21:26 (2)	04:38 22:17	21:07 (2) 21:18	05:36 19:56	06:42 18:32	07:46 16:16	08:55 15:36	
12	08:59 16:03	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:23 22:22	20:59 (2) 21:26 (2)	04:39 22:16	21:07 (2) 21:16	05:38 19:53	06:44 18:29	07:48 16:14	08:56 15:36	
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	20:59 (2) 21:27 (2)	04:41 22:15	21:07 (2) 21:13	05:40 19:50	06:46 18:27	07:51 16:12	08:57 15:36	
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	20:59 (2) 21:26 (2)	04:42 22:14	21:09 (2) 21:11	05:43 19:47	06:48 18:24	07:53 16:10	08:58 15:35	
15	08:56 16:09	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:24	20:59 (2) 21:27 (2)	04:44 22:12	21:09 (2) 21:08	05:45 19:44	06:51 18:21	07:55 16:08	08:59 15:35	
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:39	04:22 22:25	21:00 (2) 21:27 (2)	04:45 22:11	21:10 (2) 21:06	05:47 19:42	06:53 18:19	07:57 16:06	09:00 15:35	
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:36	04:58 21:42	04:21 22:26	21:00 (2) 21:27 (2)	04:47 22:09	21:11 (2) 21:03	05:49 19:39	06:55 18:16	07:59 16:04	09:01 15:35	
18	08:52 16:15	07:48 17:26	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	21:00 (2) 21:28 (2)	04:49 22:08	21:13 (2) 21:01	05:51 19:36	06:57 18:13	08:02 16:02	09:02 15:35	
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:45	04:21 22:27	21:00 (2) 21:28 (2)	04:50 22:06	21:14 (2) 21:04	05:53 19:33	06:59 18:11	08:04 16:01	09:03 15:36	
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:47	04:21 22:27	21:00 (2) 21:28 (2)	04:52 22:04	21:17 (2) 21:22 (2)	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:40 17:33	06:25 18:37	05:59 20:45	04:50 21:49	04:21 22:27	21:00 (2) 21:28 (2)	04:54 22:03	20:58 (2) 20:53	05:58 19:28	07:03 18:05	08:08 15:57	08:19 15:36	09:04 15:36
22	08:45 16:23	07:38 17:36	06:22 18:39	05:57 20:47	04:48 21:51	04:21 22:27	21:00 (2) 21:28 (2)	04:56 22:01	20:00 (2) 20:50	06:00 19:25	07:05 18:03	08:11 15:56	08:21 15:37	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:28	21:01 (2) 21:29 (2)	04:58 21:59	20:02 (2) 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:05 15:37	09:05 15:37
24	08:42 16:28	07:33 17:40	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	21:01 (2) 21:29 (2)	05:00 21:57	20:04 (2) 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38	09:06 15:38
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	21:02 (2) 21:30 (2)	05:01 21:56	20:06 (2) 20:42	07:12 19:16	08:17 16:55	08:27 15:51	09:06 15:39	09:06 15:39
26	08:39 16:32	07:27 17:45	06:11 18:48	05:46 20:56	04:42 21:59	04:23 22:28	21:03 (2) 21:29 (2)	05:03 21:54	20:08 (2) 20:40	07:14 19:13	08:20 16:53	08:29 15:50	09:06 15:39	09:06 15:39
27	08:37 16:35	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:00	04:23 22:27	21:02 (2) 21:30 (2)	05:05 21:52	20:10 (2) 20:37	07:16 19:11	08:22 16:50	08:31 15:48	09:07 15:40	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	21:02 (2) 21:29 (2)	05:07 21:50	20:13 (2) 20:34	07:18 19:08	08:24 16:48	08:33 15:47	09:07 15:41	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	21:00 (2) 21:20 (2)	05:09 21:48	20:15 (2) 20:32	07:20 19:05	08:27 16:45	08:35 15:46	09:07 15:42	09:07 15:42
30	08:31 16:41		06:59 19:57	05:36 21:05	04:36 22:05	04:25 22:26	21:00 (2) 21:21 (2)	05:11 21:46	20:17 (2) 20:29	07:22 19:02	08:29 16:43	08:37 15:45	09:07 15:43	09:07 15:43
31	08:29 16:44		06:57 19:59	05:34 22:07	04:34 22:07	04:26 22:22	21:00 (2) 21:22 (2)	05:13 21:43	20:19 (2) 20:26	07:21 16:41	08:31 15:41	08:39 15:44	09:07 15:44	09:07 15:44
Potential sun hours	227	262	365	429	515	539	807	429	474	386	321	241	207	
Total, worst case					133		807	429						
Sun reduction					0,58		0,53	0,57						
Oper. time red.					0,93		0,93	0,93						
Wind dir. red.					0,79		0,79	0,79						
Total reduction					0,43		0,39	0,42						
Total, real					57		316	179						

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)

SHADOW - Calendar

Shadow receptor: CK - Zvaigznes
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

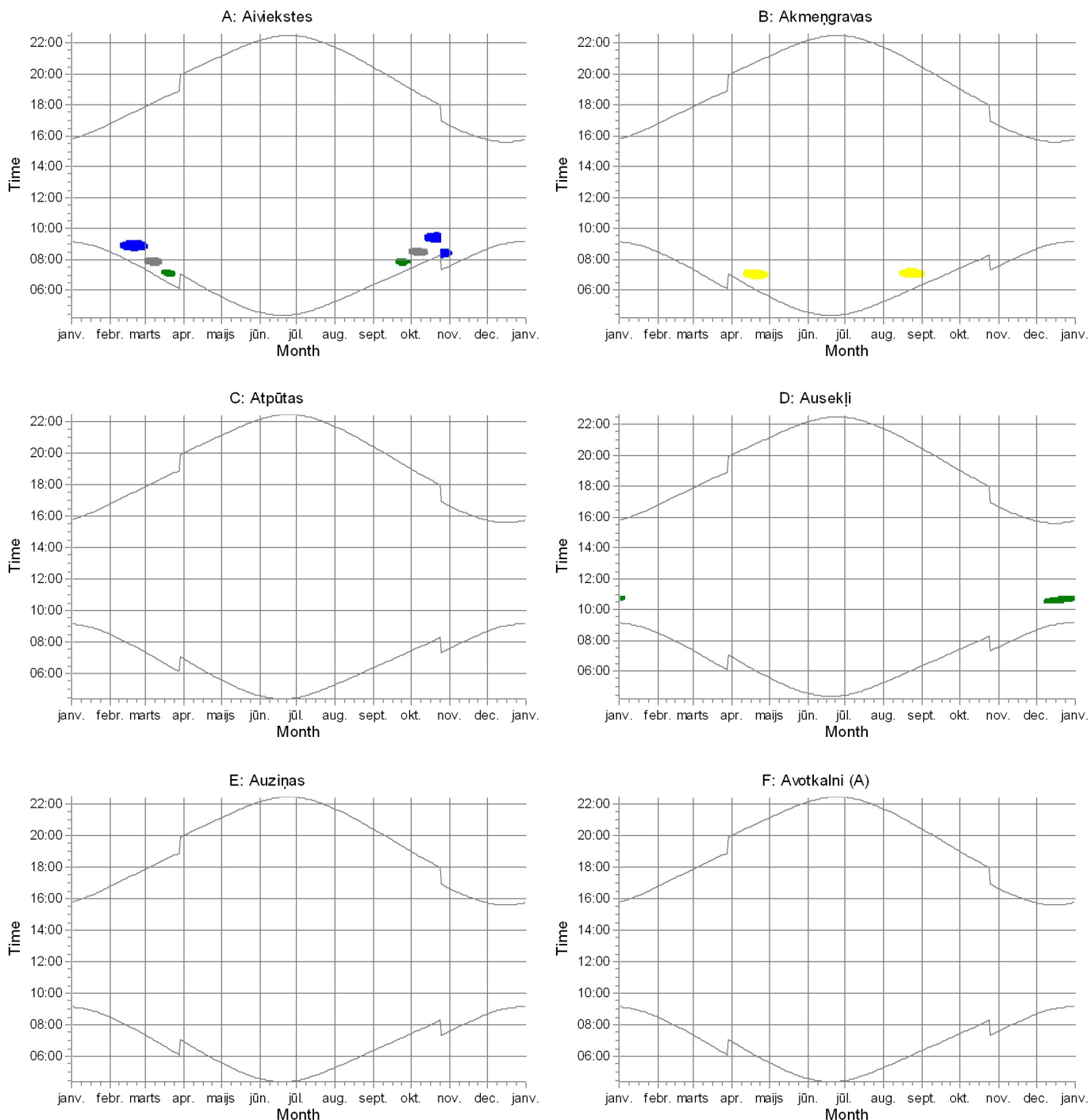
Operational time
0 1 Sum
4 076 4 076 8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:25 19:00	07:34 16:38	08:39 15:44
2	09:06 15:47	08:25 16:49	07:17 17:54	06:51 20:03	05:31 21:10	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:34	08:43 15:41
4	09:05 15:50	08:21 16:53	07:12 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:22 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:41
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:29 22:14	04:30 22:23	05:24 21:32	06:30 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:28 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:20 21:21	04:27 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:38 18:43	07:47 16:24	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:34 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:13	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:35	07:54 16:18	08:53 15:37
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:11 21:29	04:24 22:21	04:38 22:17	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:24 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:23 22:23	04:41 22:15	05:41 21:13	06:46 19:50	07:51 18:27	08:01 16:12	08:57 15:36
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:56 16:09	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:25	04:44 22:12	05:45 21:08	06:51 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:22 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:36	04:58 21:42	04:21 22:26	04:47 22:09	05:49 21:03	06:55 19:39	08:00 18:16	08:10 16:04	09:01 15:35
18	08:52 16:15	07:48 17:26	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
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22	08:46 16:23	07:38 17:36	06:22 18:39	05:57 20:48	04:48 21:51	04:21 22:28	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:40	06:16 18:44	05:52 20:52	04:45 21:55	04:22 22:28	05:00 21:57	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:53	09:06 15:38
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:39
26	08:39 16:32	07:28 17:45	06:11 18:48	05:46 20:56	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 19:14	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:00	04:23 22:27	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:42		06:59 19:57	05:36 21:05	04:36 22:05	04:25 22:26	05:11 21:46	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:34 22:07		05:13 21:43	06:19 20:26		07:31 16:41		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

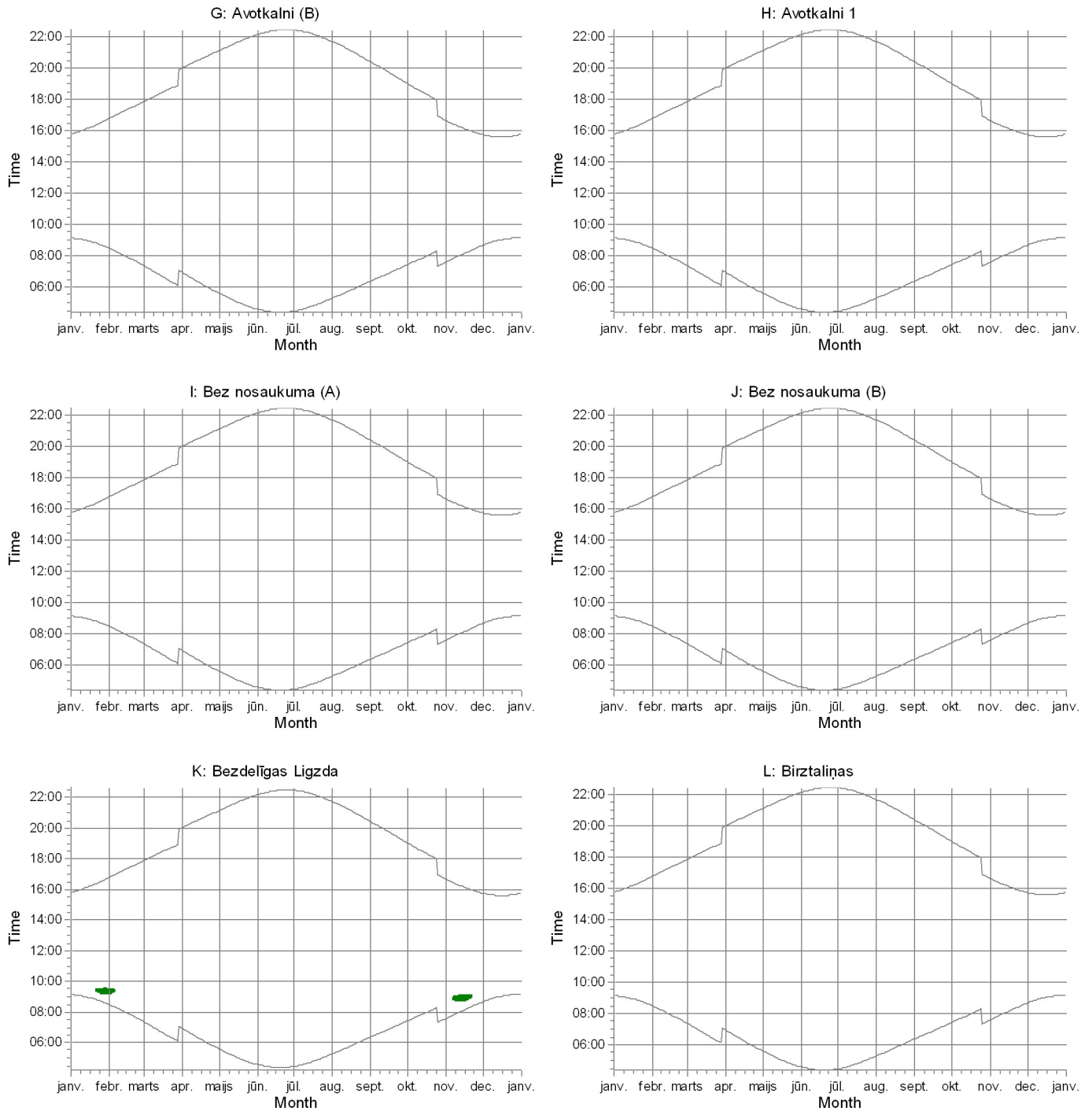
SHADOW - Calendar, graphical



WTGs



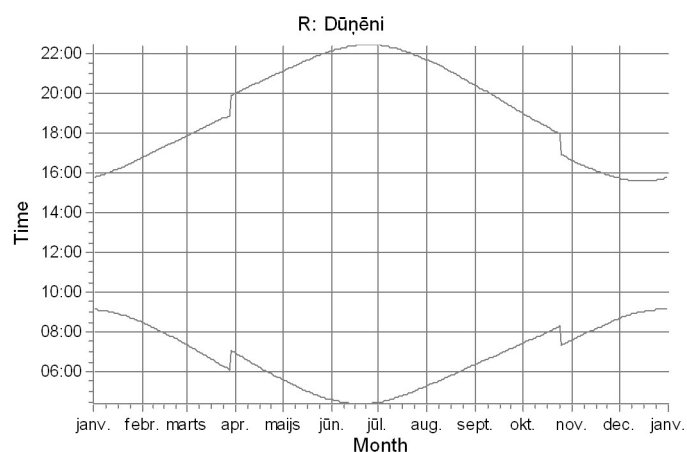
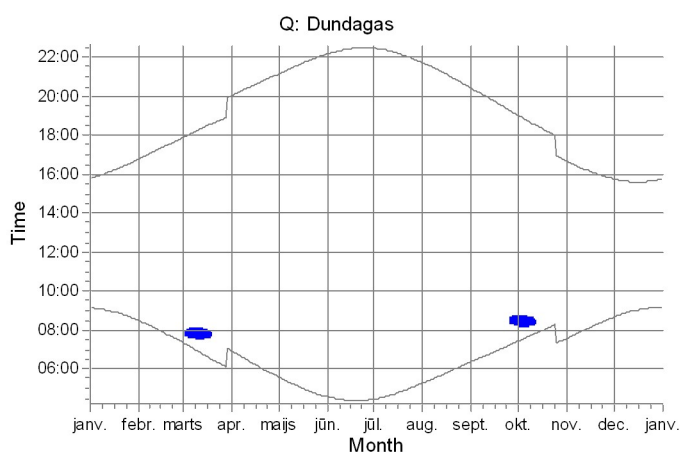
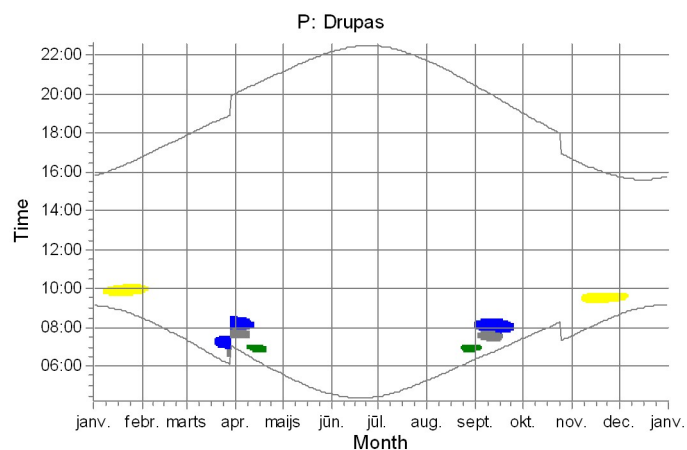
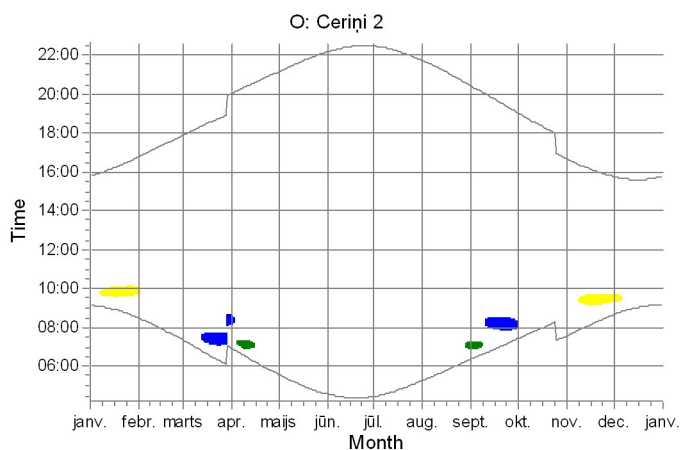
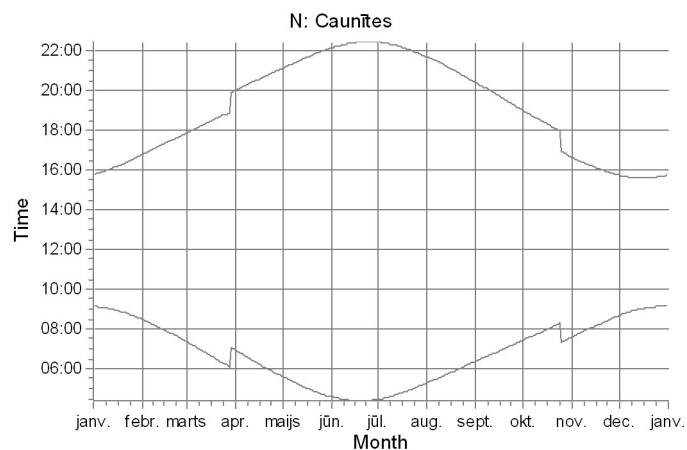
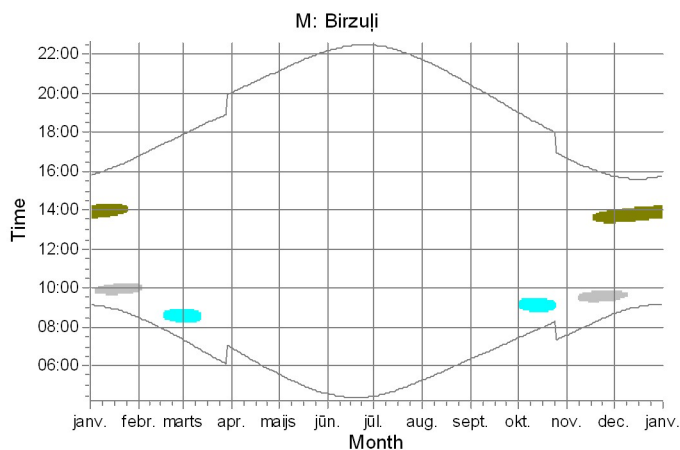
SHADOW - Calendar, graphical



WTGs

1: VES "Senlejas"

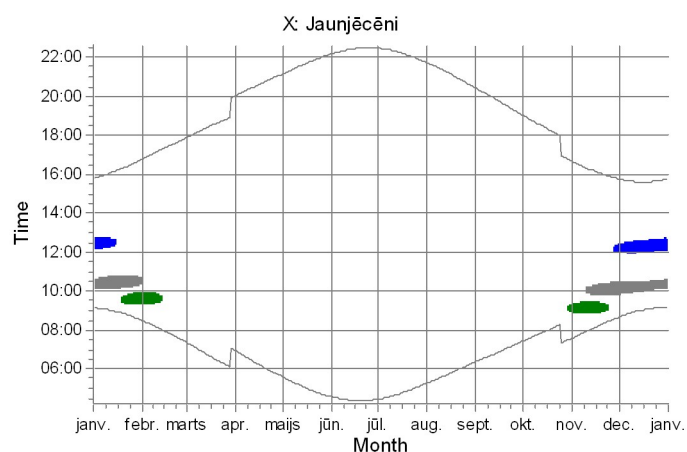
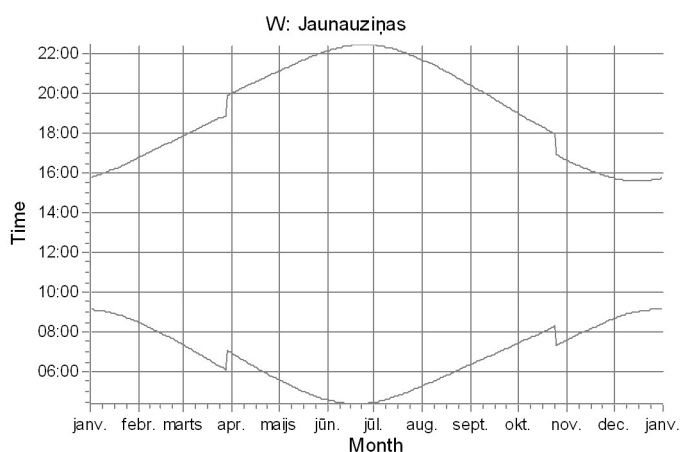
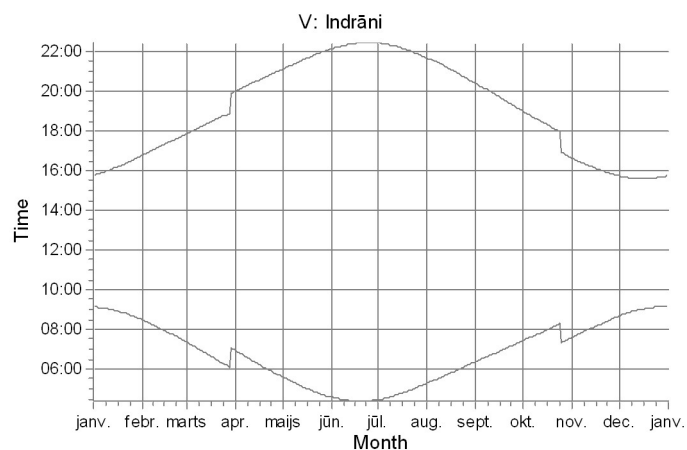
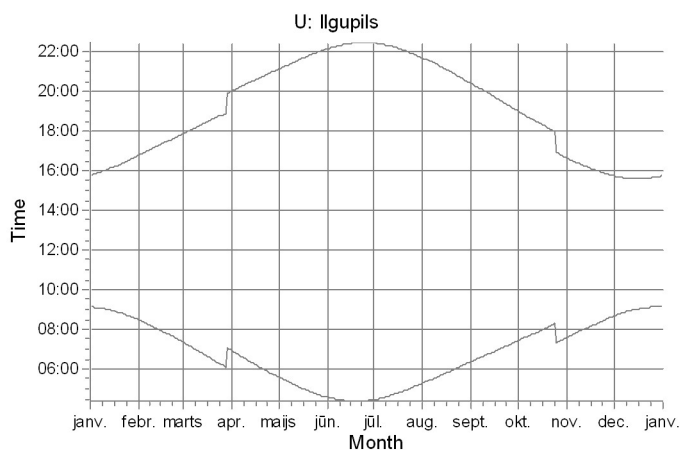
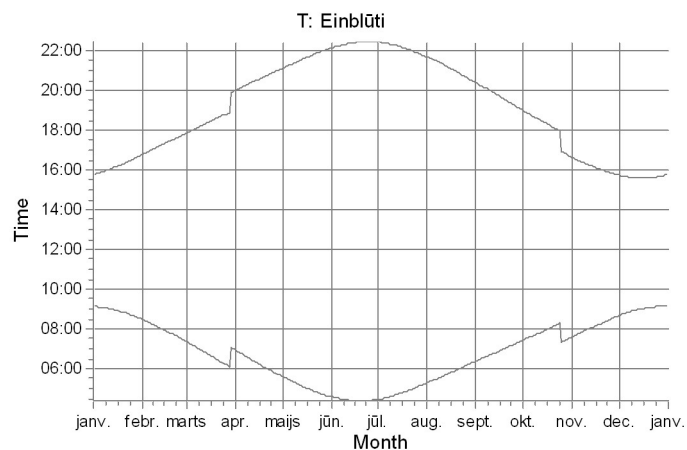
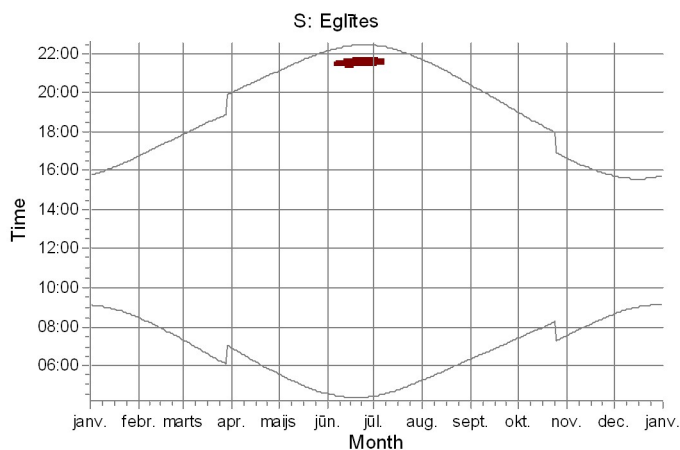
SHADOW - Calendar, graphical



WTGs

1: VES "Senlejas"	3: Z2	10: Z12	13: Z17
2: Z1	4: Z3	12: Z16	

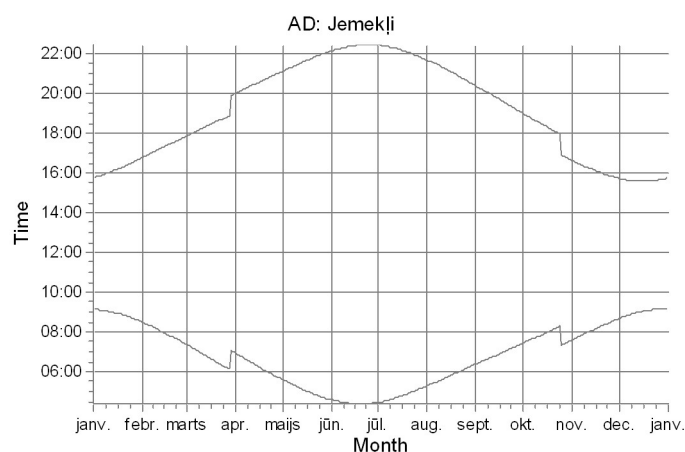
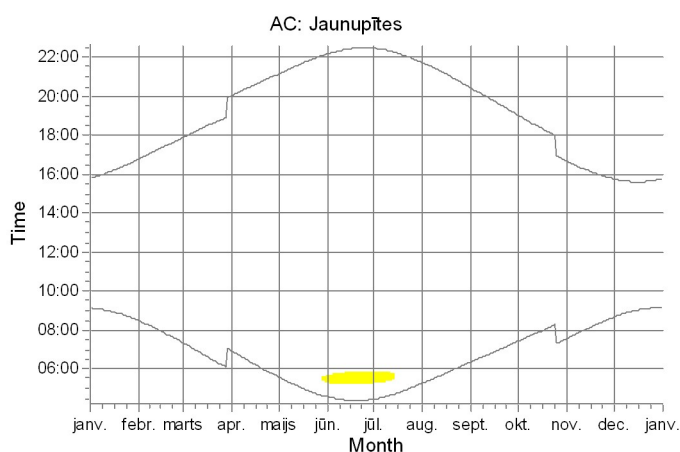
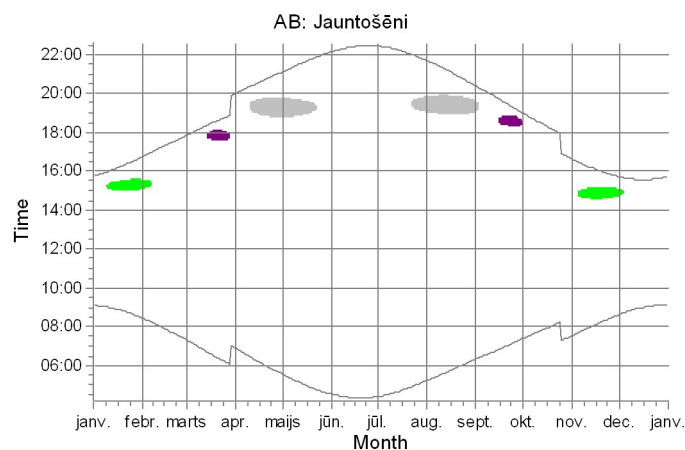
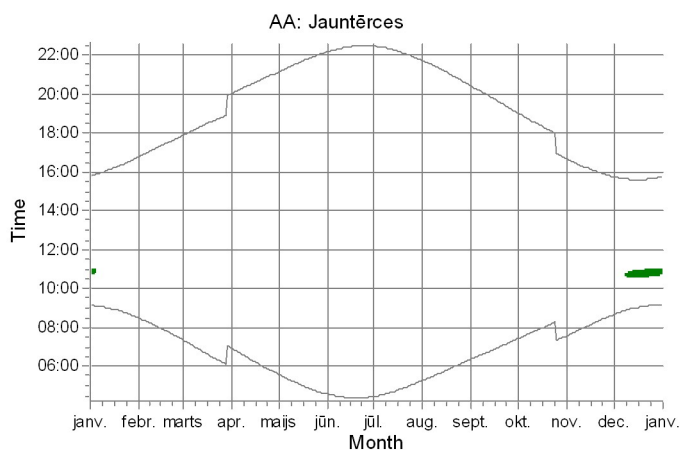
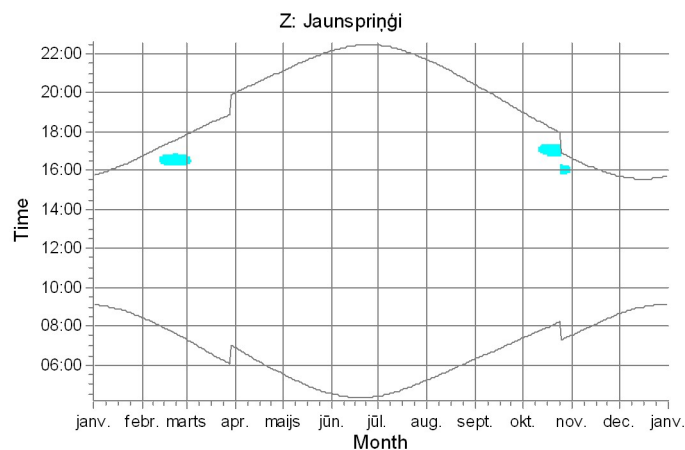
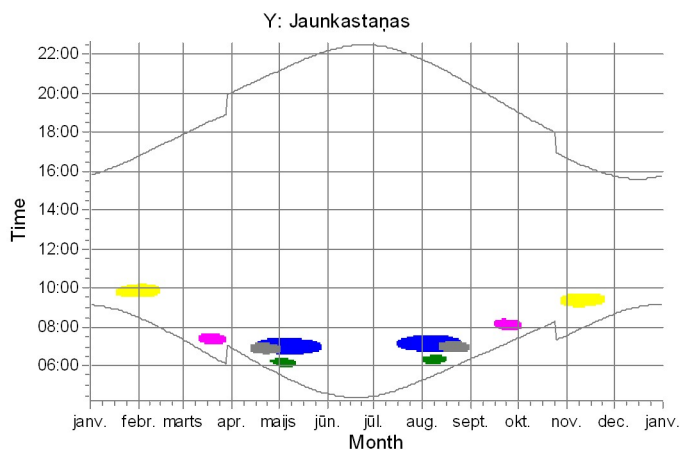
SHADOW - Calendar, graphical



WTGs



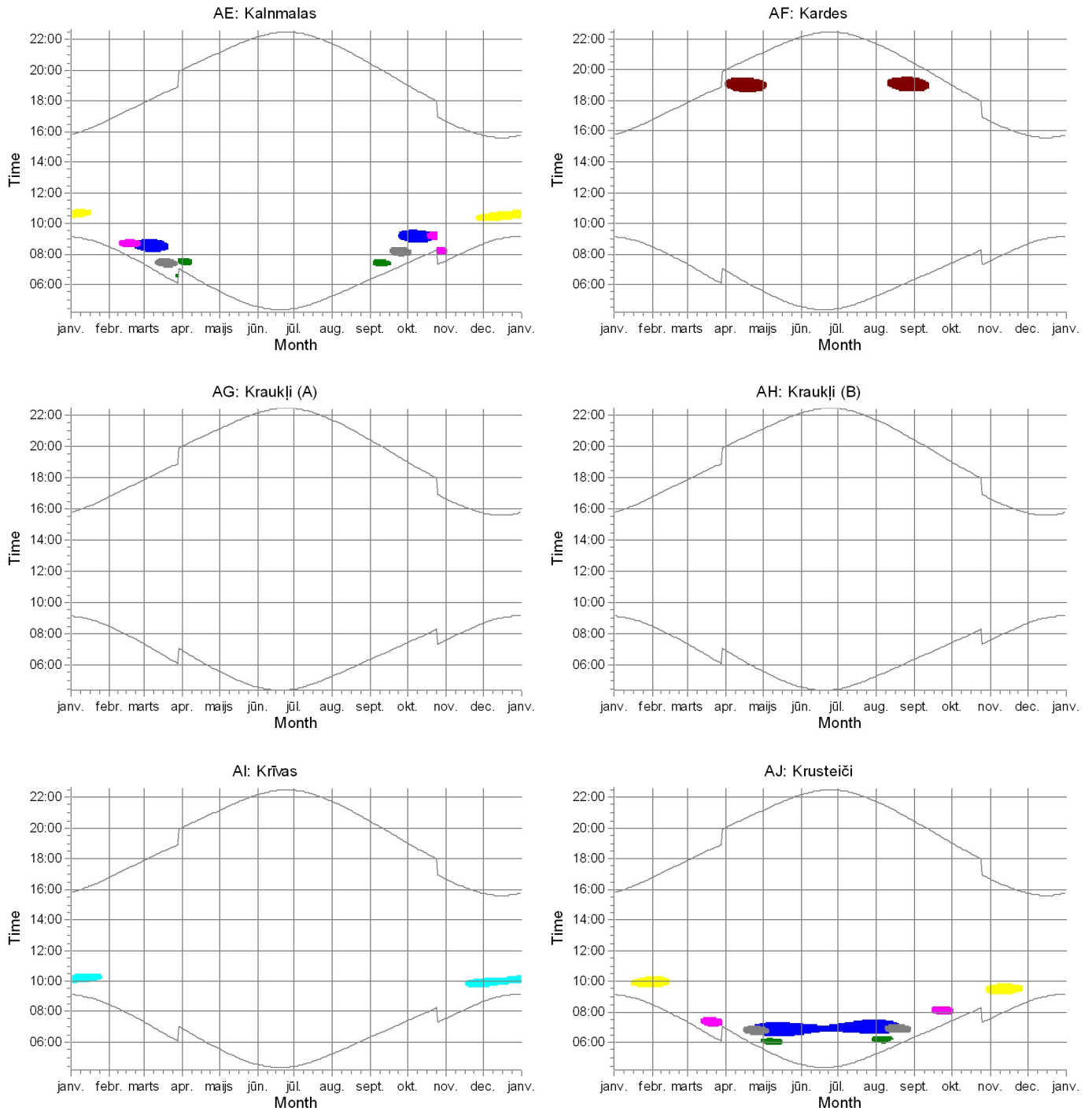
SHADOW - Calendar, graphical



WTGs

	1: VES "Senlejas"		4: Z3		11: Z13
	2: Z1		5: Z4		12: Z16
	3: Z2		9: Z10		13: Z17

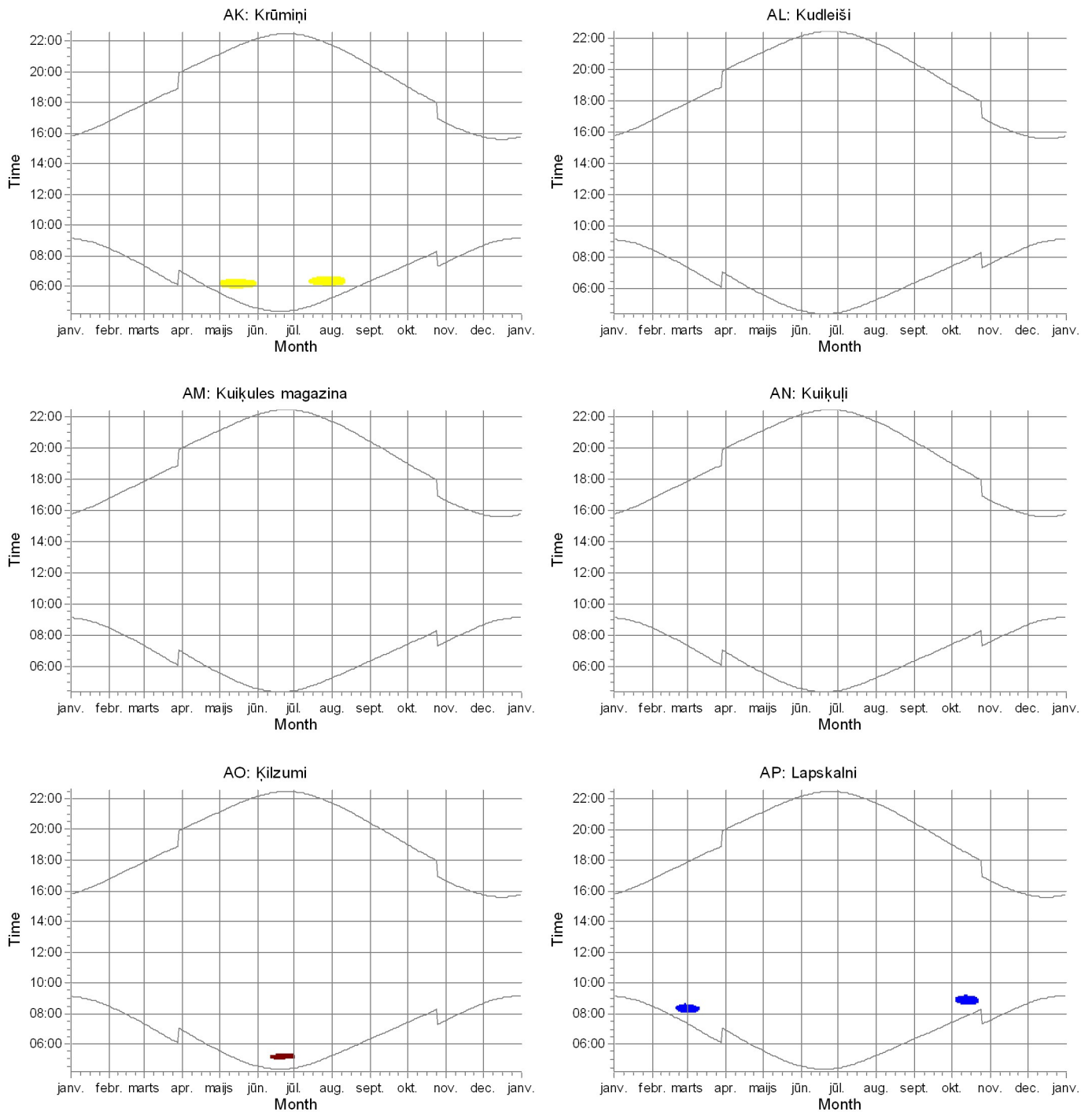
SHADOW - Calendar, graphical



WTGs



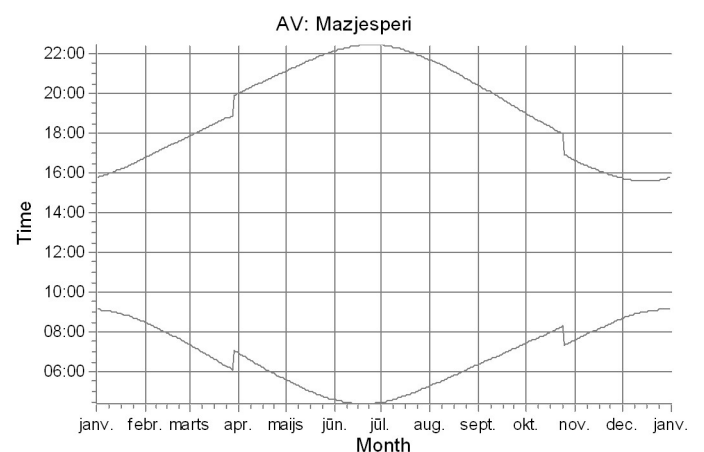
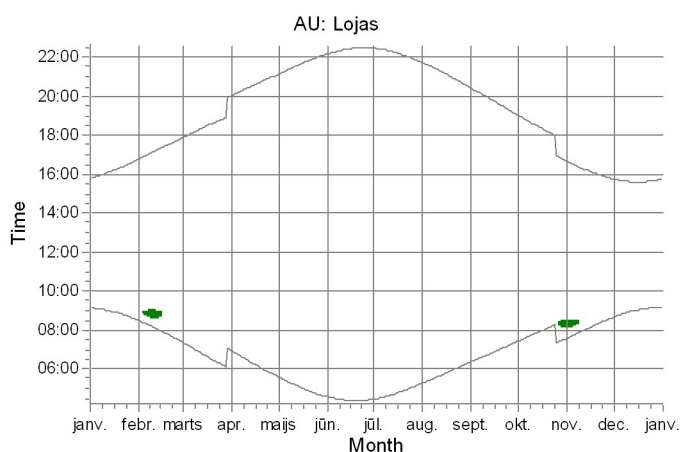
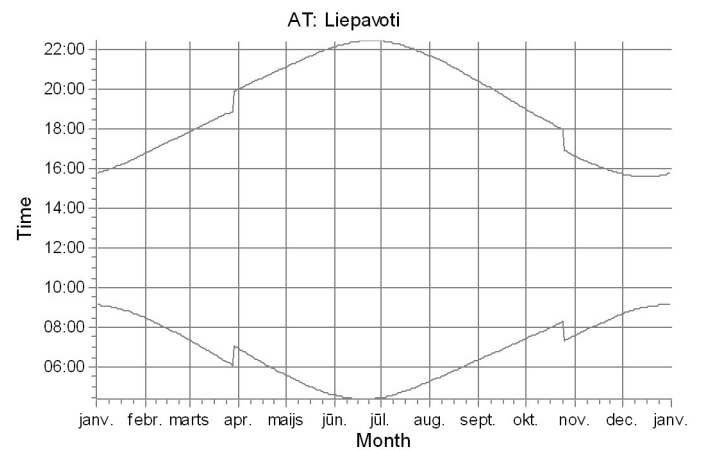
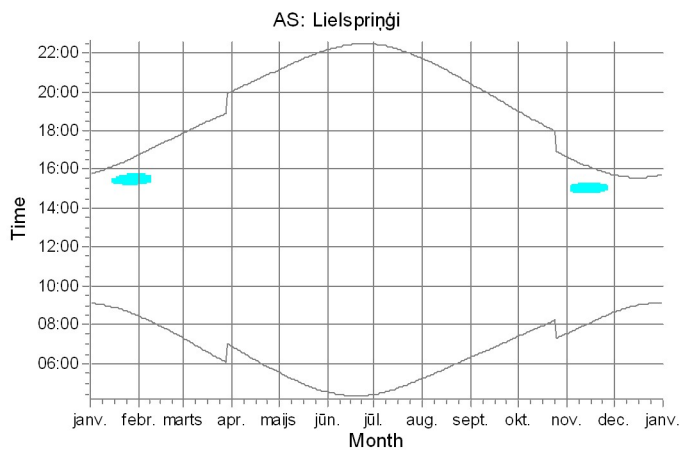
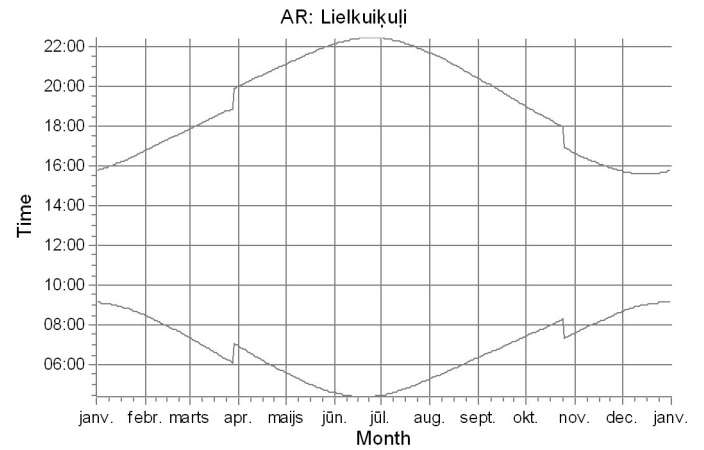
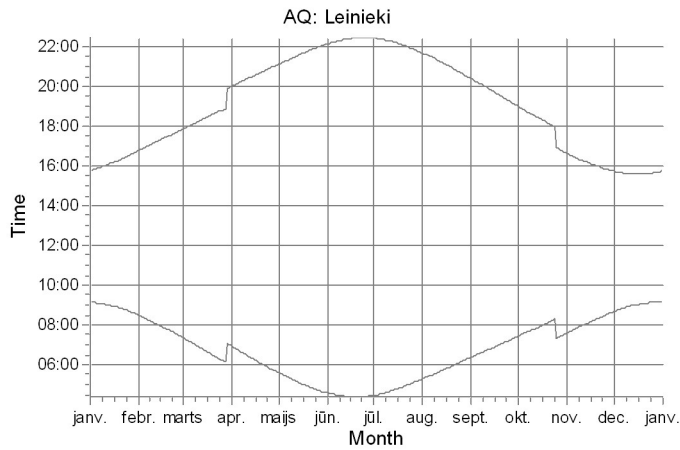
SHADOW - Calendar, graphical



WTGs



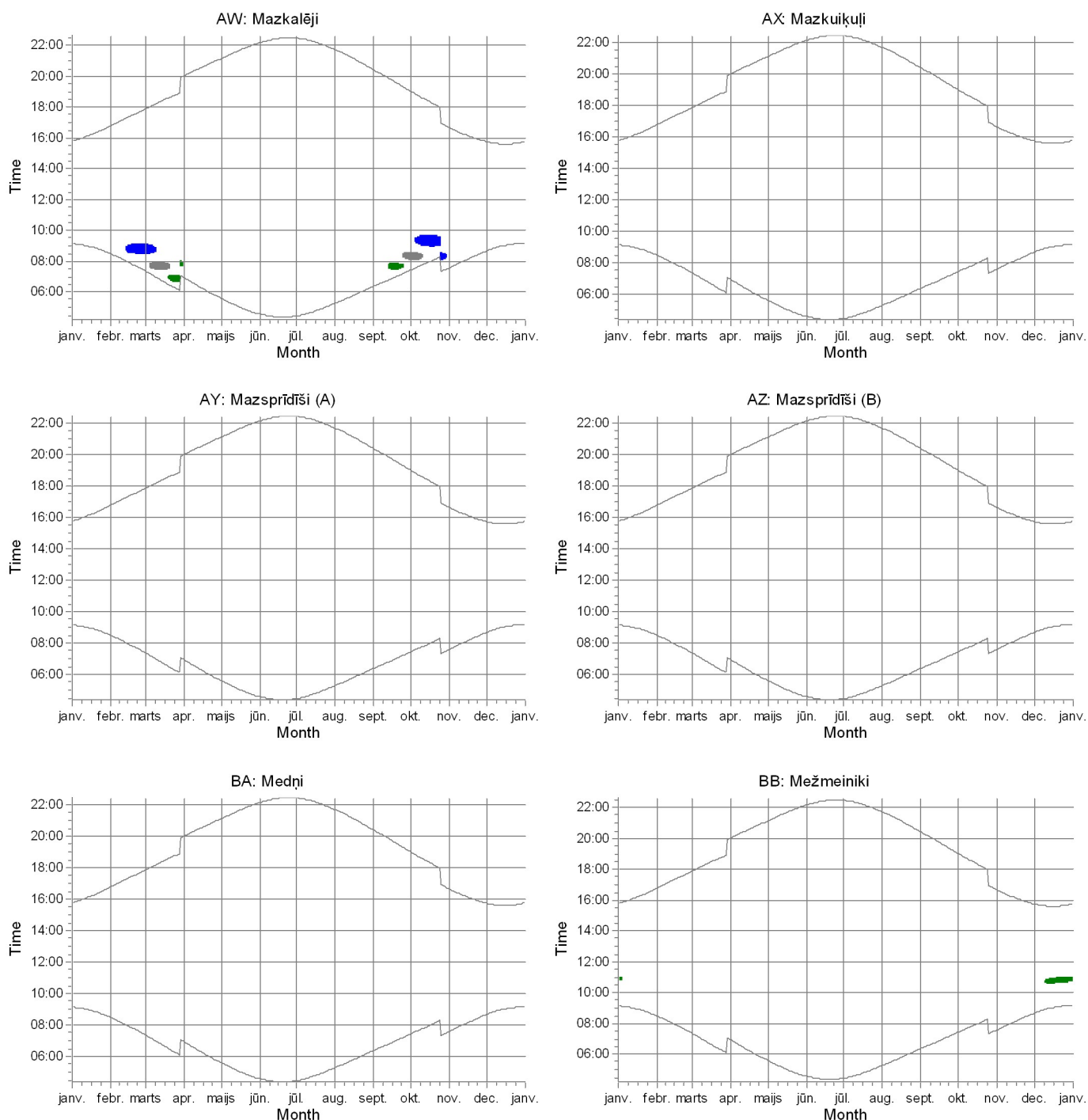
SHADOW - Calendar, graphical



WTGs

1: VES "Senlejas" 13: Z17

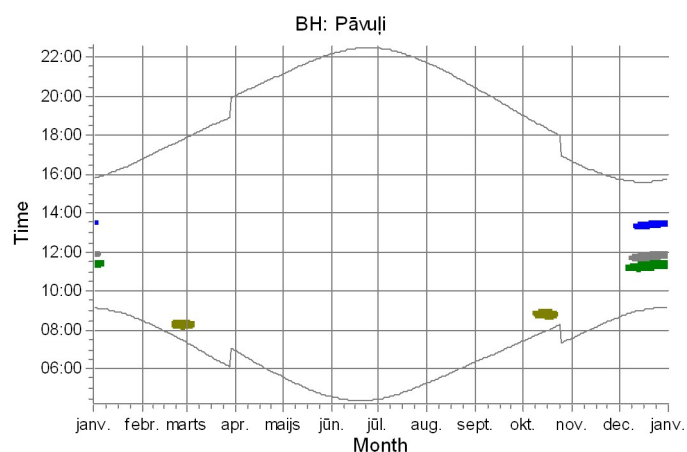
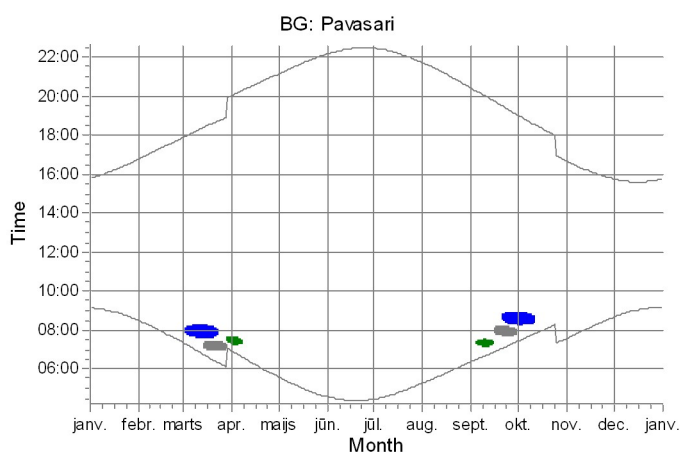
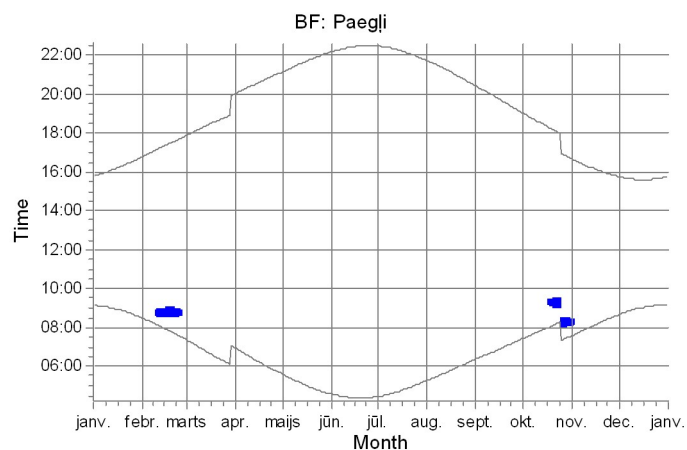
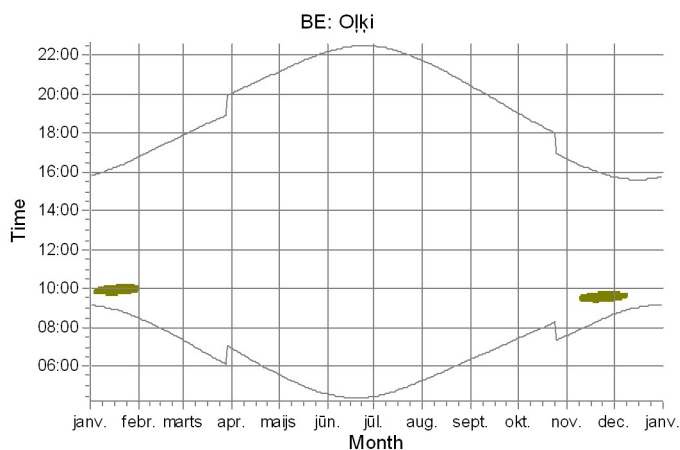
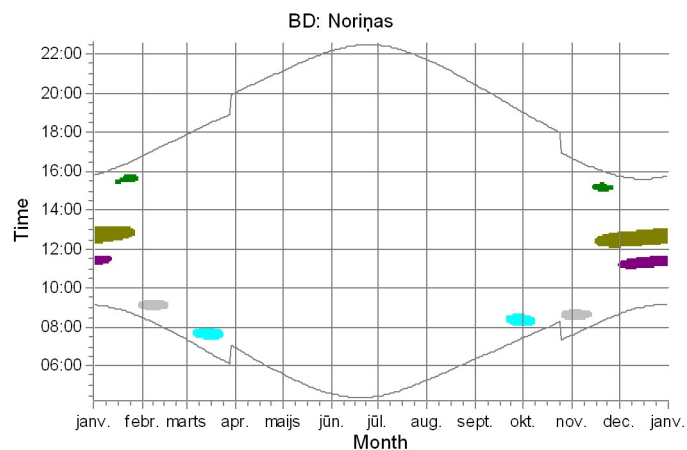
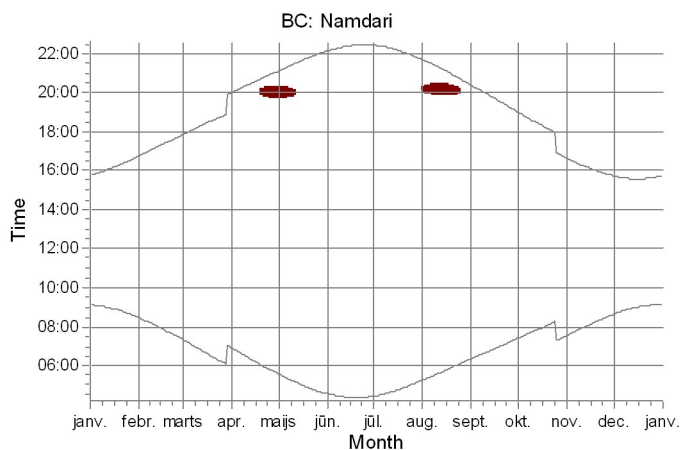
SHADOW - Calendar, graphical



WTGs



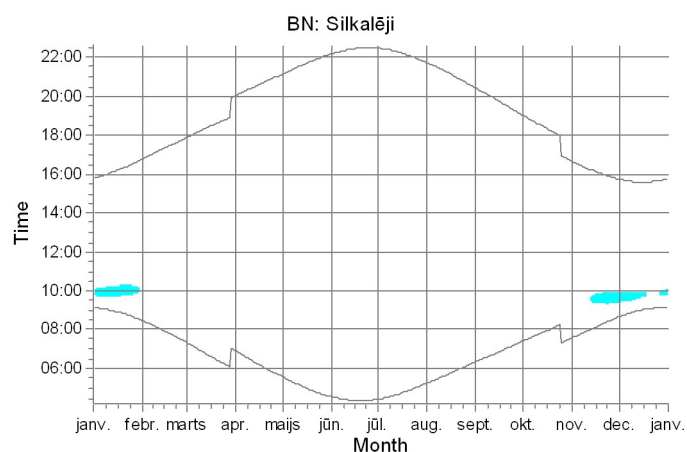
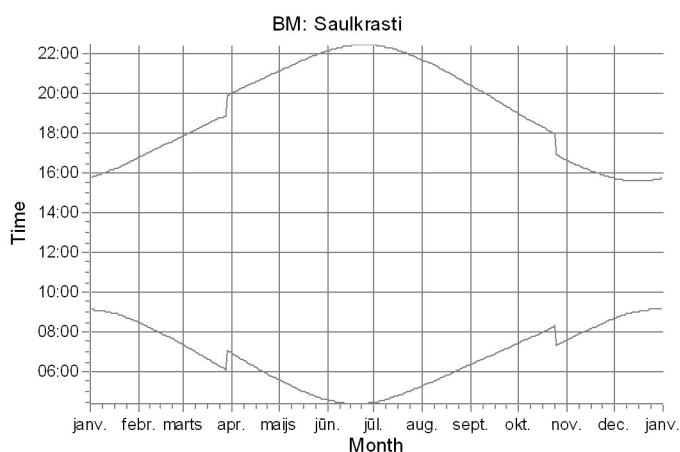
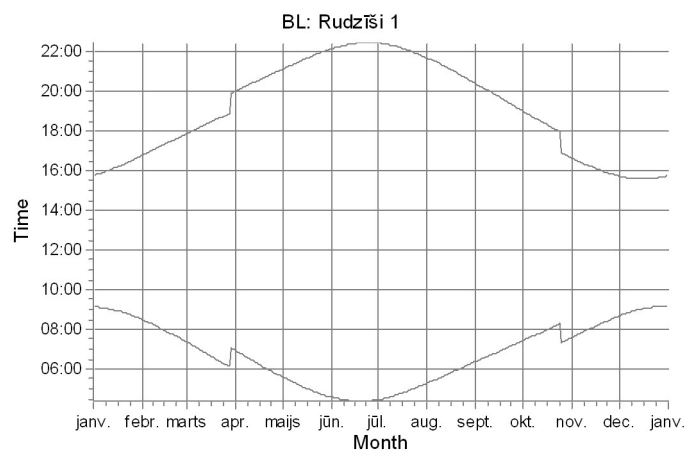
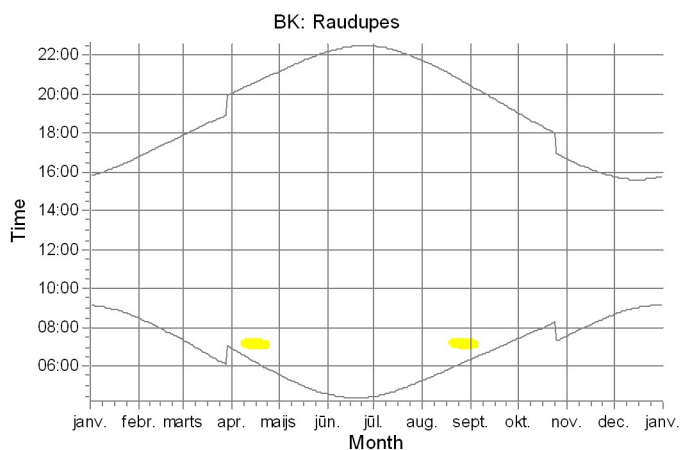
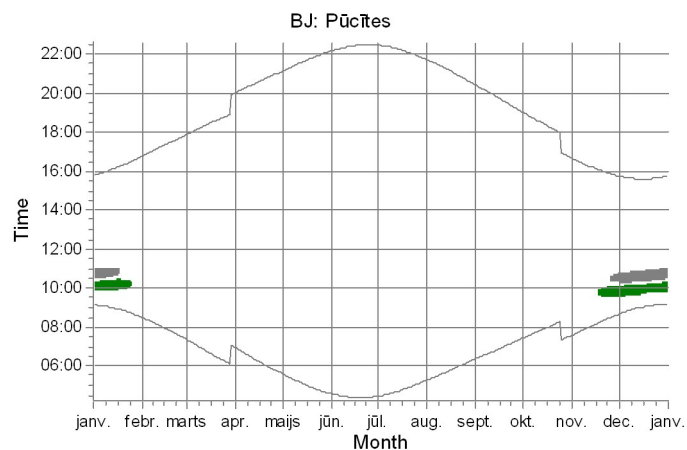
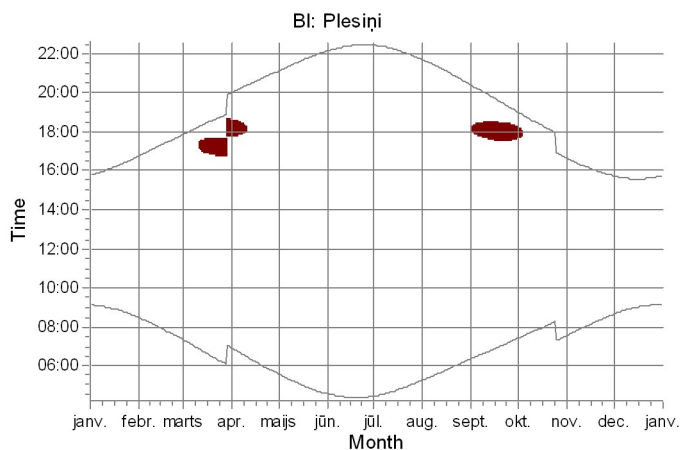
SHADOW - Calendar, graphical



WTGs

1: VES "Senlejas"	4: Z3	10: Z12	12: Z16
3: Z2	8: Z9	11: Z13	13: Z17

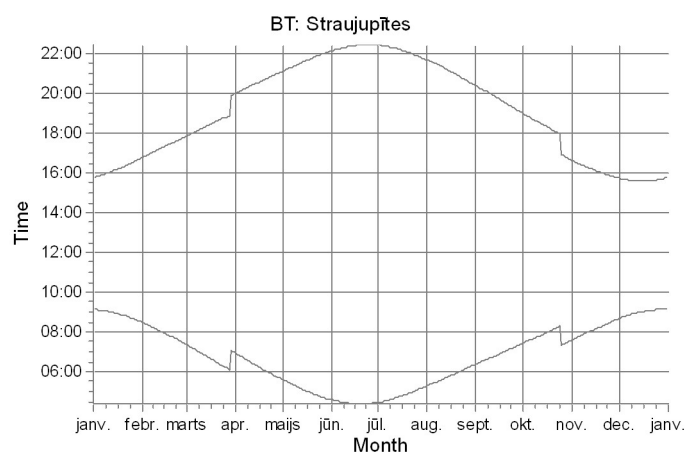
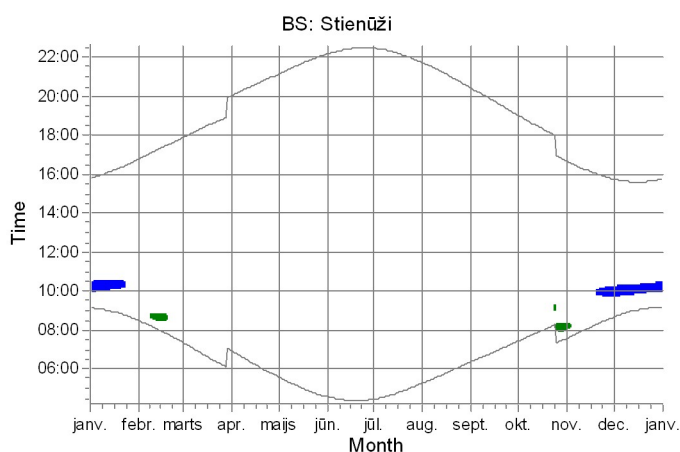
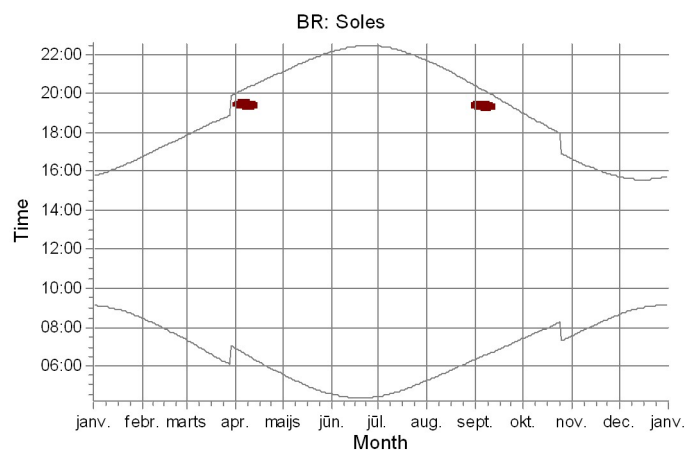
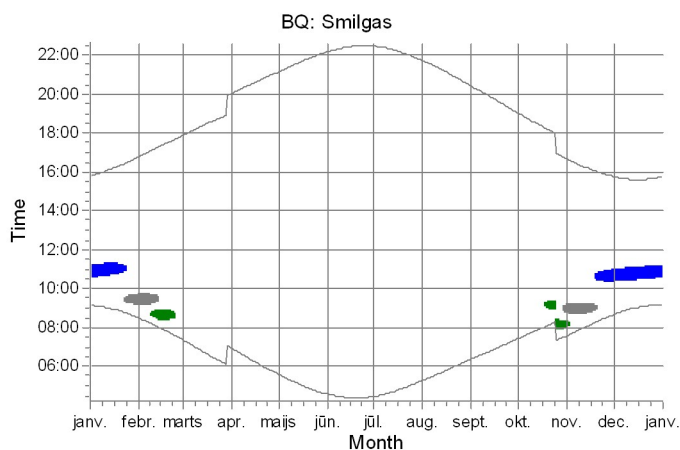
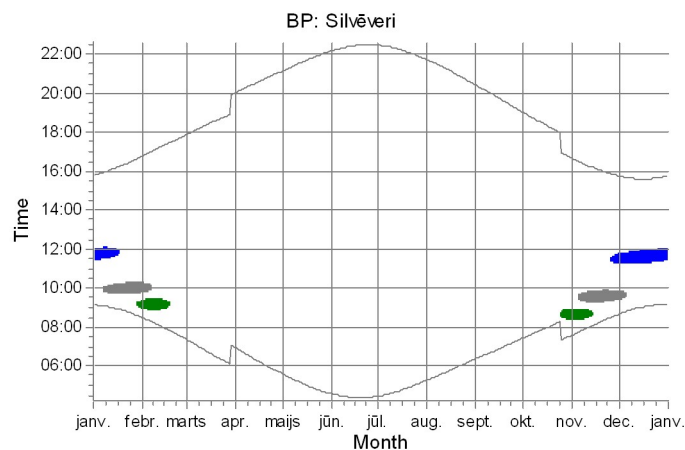
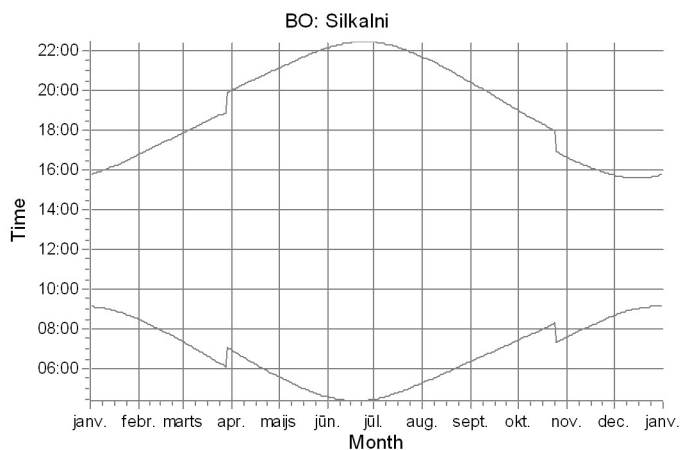
SHADOW - Calendar, graphical



WTGs

 1: VES "Senlejas"	 4: Z3	 13: Z17
 2: Z1	 8: Z9	

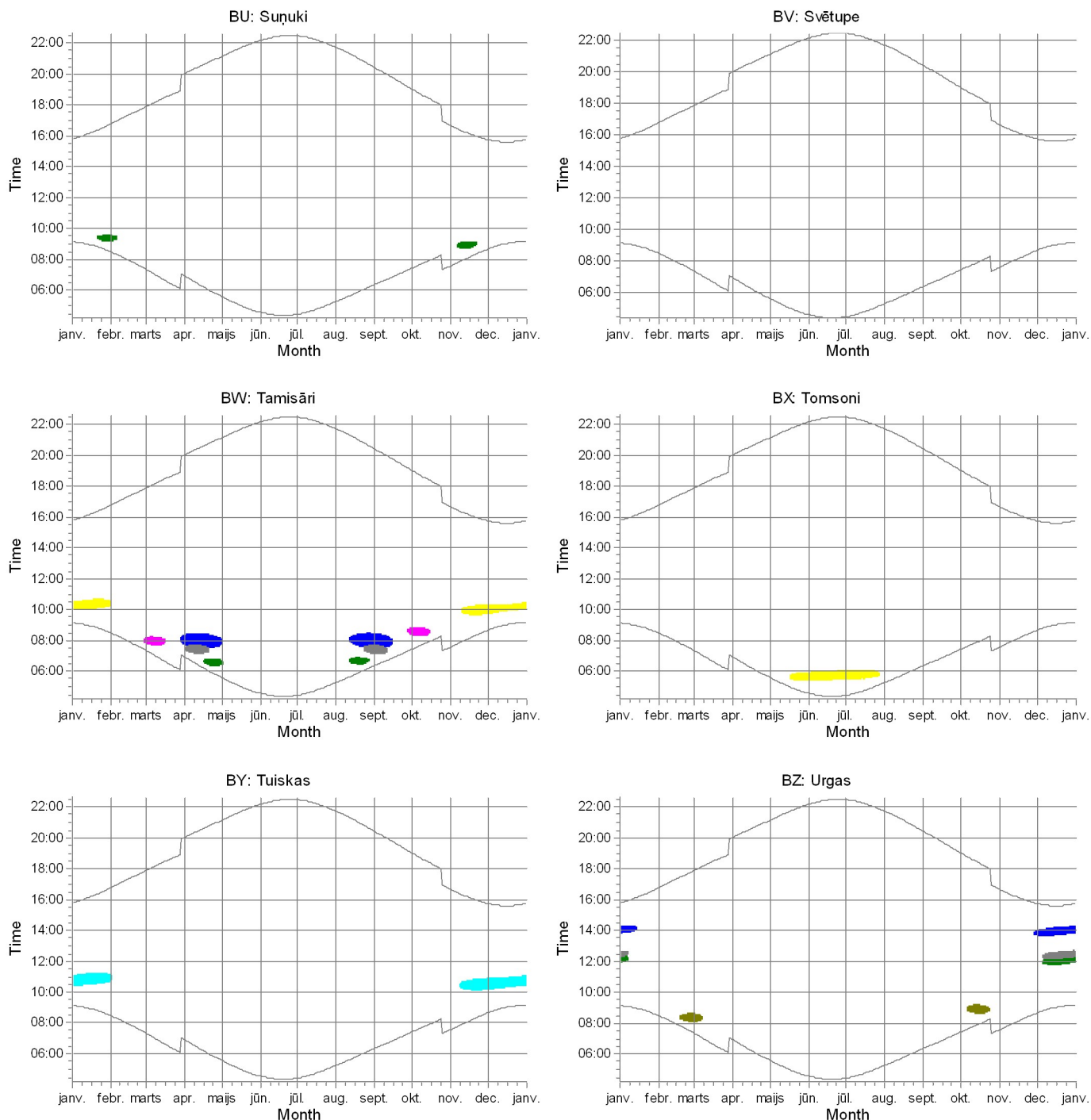
SHADOW - Calendar, graphical



WTGs



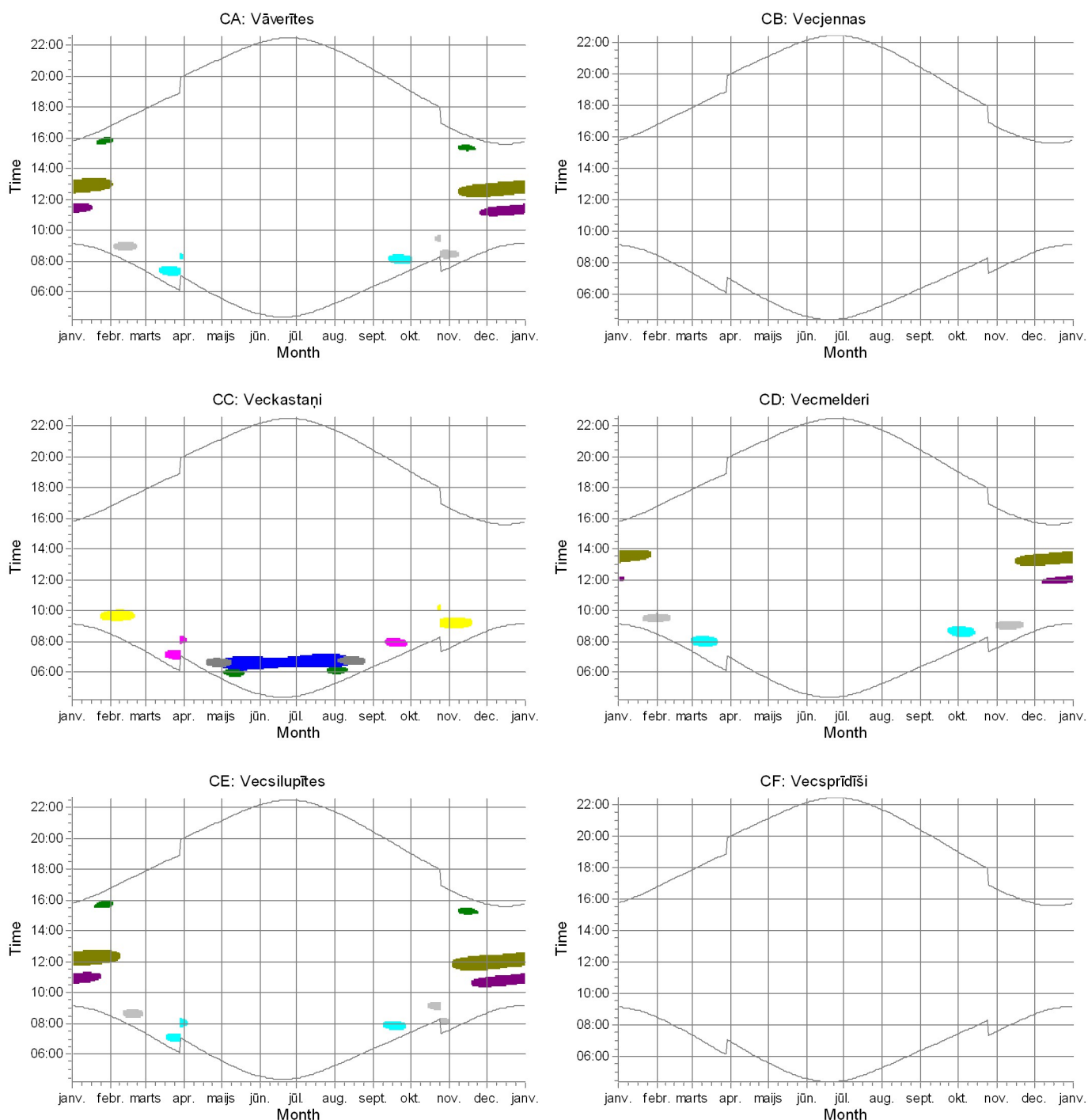
SHADOW - Calendar, graphical



WTGs

1: VES "Senlejas"	3: Z2	5: Z4	13: Z17
2: Z1	4: Z3	10: Z12	

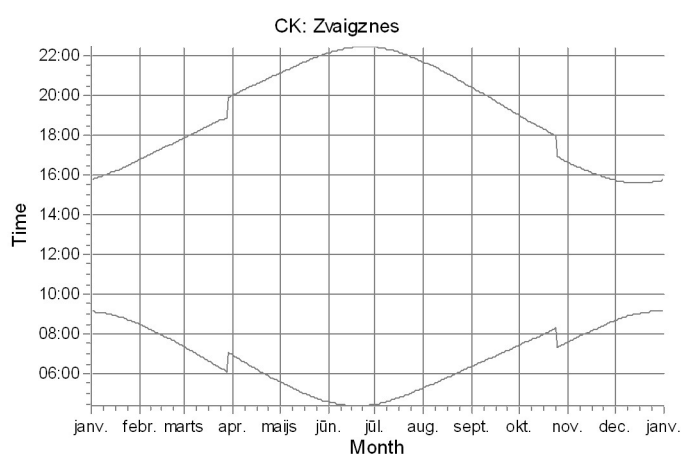
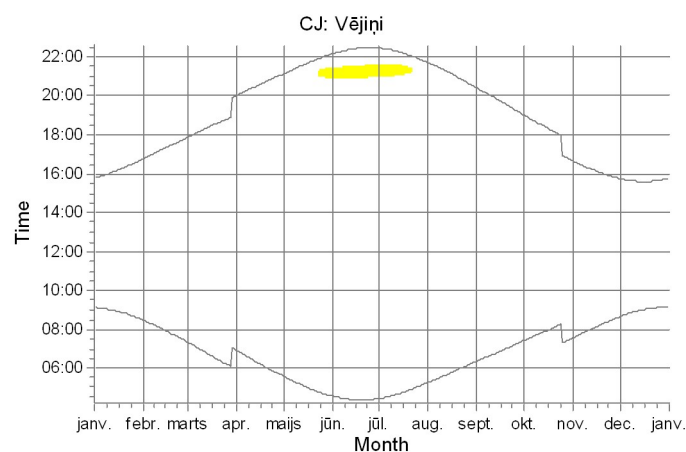
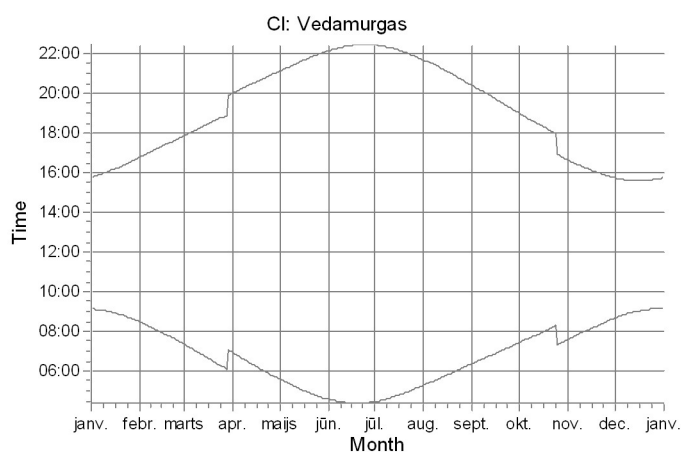
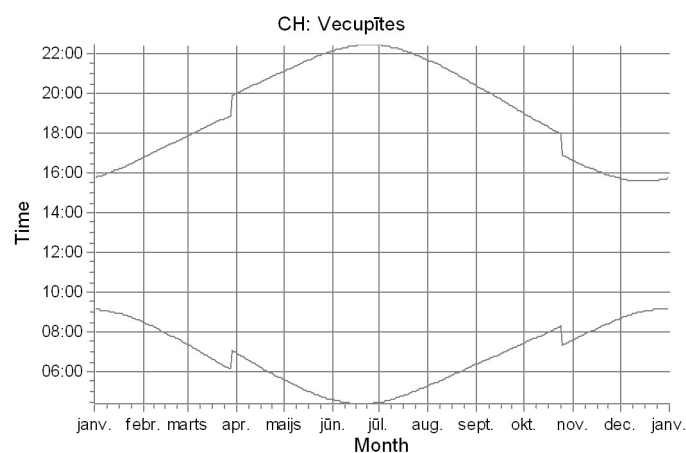
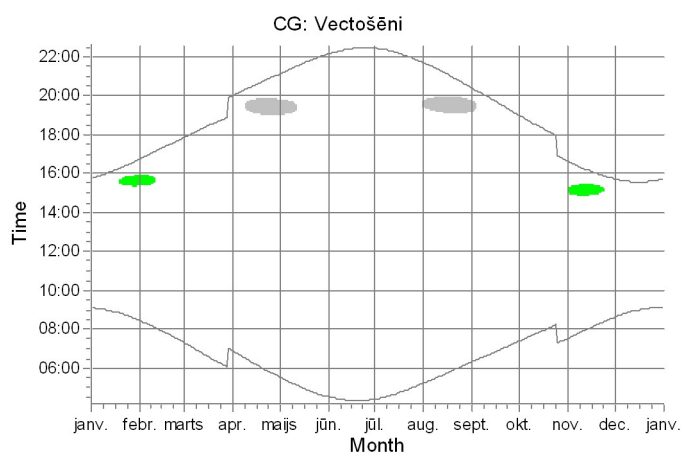
SHADOW - Calendar, graphical



WTGs

1: VES "Senlejas"	4: Z3	11: Z13
2: Z1	5: Z4	12: Z16
3: Z2	10: Z12	13: Z17

SHADOW - Calendar, graphical



WTGs



2: Z1



9: Z10



12: Z16

SHADOW - Calendar per WTG

WTG: 1 - VES "Senlejas"

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1	09:07 11:59-12:15/16 11:14-11:30/16 15:46 09:53-10:14/21 10:38-10:57/19	08:27 15:40-15:54/14 16:46 09:00-09:50/50	07:20 17:52	06:54 07:20-07:41/21 20:01	05:34 06:30-06:34/4 21:07 06:03-06:17/14	04:33 22:09
2	09:06 12:00-12:15/15 11:15-11:30/15 15:47 09:53-10:14/21 10:39-10:56/17	08:25 15:42-15:47/5 08:57-09:50/53 16:48 15:48-15:51/3	07:17 17:54	06:51 07:17-07:40/23 20:03	05:31 06:01-06:18/17 21:10	04:32 22:10
3	09:06 12:01-12:15/14 11:15-11:29/14 10:40-10:47/7 15:48 09:53-10:15/22 10:50-10:54/4	08:23 08:57-09:50/53 16:51	07:14 17:57	06:48 07:16-07:39/23 20:06	05:29 05:58-06:17/19 21:12	04:31 22:12
4	09:05 12:03-12:14/11 11:16-11:29/13 15:50 09:53-10:15/22 10:41-10:46/5	08:21 08:57-09:50/53 16:53 08:53-08:54/1	07:12 17:59	06:46 07:17-07:39/22 20:08	05:27 05:56-06:17/21 21:14	04:29 22:13
5	09:05 12:05-12:14/9 11:19-11:29/10 15:51 09:54-10:16/22	08:19 08:56-09:20/24 09:22-09:50/28 16:56 08:50-08:55/5	07:09 18:01	06:43 07:18-07:38/20 20:10 07:09-07:13/4	05:24 05:54-06:17/23 21:16	04:28 22:15
6	09:04 12:08-12:12/4 11:21-11:28/7 15:53 09:54-10:17/23	08:17 08:48-09:21/33 16:58 09:23-09:50/27	07:06 18:03	06:40 07:18-07:37/19 20:12 07:06-07:14/8	05:22 05:52-06:17/25 21:18	04:27 22:16
7	09:04 09:54-10:18/24 15:54	08:14 08:45-09:21/36 17:00 09:23-09:48/25	07:03 18:06	06:37 07:22-07:35/13 20:14 07:04-07:15/11	05:19 05:50-06:16/26 21:21	04:26 22:17
8	09:03 09:55-10:18/23 15:56	08:12 08:43-09:21/38 17:03 09:25-09:48/23	07:01 18:08	06:34 07:25-07:32/7 20:17 07:01-07:14/13	05:17 05:48-06:15/27 21:23	04:26 22:18
9	09:02 09:54-10:18/24 15:58	08:10 08:40-09:21/41 17:05 09:26-09:47/21	06:58 18:10	06:32 06:58-07:14/16 20:19	05:15 05:47-06:14/27 21:25	04:25 22:19
10	09:01 09:55-10:19/24 15:59	08:07 08:38-09:21/43 17:07 09:28-09:46/18	06:55 18:12	06:29 06:55-07:13/18 20:21	05:13 05:47-06:13/26 21:27	04:24 22:20
11	09:00 09:56-10:19/23 16:01	08:05 08:35-09:20/45 17:10 09:29-09:43/14	06:52 18:15	06:26 06:53-07:13/20 20:23	05:10 05:47-06:10/23 21:29	04:23 22:21
12	08:59 09:55-10:19/24 16:03	08:03 08:33-08:56/23 09:33-09:40/7 17:12 08:57-09:20/23	06:50 18:17	06:23 06:50-07:11/21 20:25	05:08 05:47-06:09/22 21:31	04:23 22:22
13	08:58 09:56-10:20/24 16:05	08:00 08:30-08:54/24 17:15 08:58-09:19/21	06:47 18:19	06:21 06:47-07:09/22 20:28	05:06 05:47-06:08/21 21:33	04:22 22:23
14	08:57 09:56-10:20/24 16:07	07:58 08:27-08:53/26 17:17 08:58-09:18/20	06:44 18:21	06:18 06:45-07:02/17 20:30 07:03-07:07/4	05:04 05:48-06:07/19 21:36	04:22 22:24
15	08:56 09:57-10:20/23 16:09	07:56 08:28-08:49/21 17:19 09:00-09:17/17	06:41 07:08-07:12/4 18:24	06:15 06:45-07:01/16 20:32	05:02 05:48-06:04/16 21:38	04:22 22:25
16	08:54 09:58-10:20/22 16:11 15:26-15:28/2	07:53 08:27-08:49/22 17:22 09:02-09:14/12	06:39 07:05-07:13/8 18:26	06:13 06:45-07:01/16 20:34	05:00 05:49-06:00/11 21:40	04:21 22:25
17	08:53 09:59-10:21/22 16:13 15:26-15:31/5	07:51 08:28-08:49/21 17:24 09:06-09:11/5	06:36 07:02-07:13/11 18:28	06:10 06:37-06:39/2 20:37 06:45-07:00/15	04:58 05:51-05:59/8 21:42	04:21 22:26
18	08:52 09:59-10:20/21 16:15 15:27-15:34/7	07:48 08:27-08:49/22 17:26	06:33 06:59-07:13/14 18:30	06:07 06:34-06:41/7 20:39 06:46-06:58/12	04:56 05:55-05:56/1 21:44	04:21 22:26
19	08:50 15:27-15:36/9 09:28-09:37/9 16:17 10:00-10:20/20	07:46 08:27-08:48/21 17:29	06:30 06:56-07:13/17 18:33	06:05 06:32-06:42/10 20:41 06:48-06:57/9	04:54 21:46	04:21 22:27
20	08:49 15:27-15:38/11 09:26-09:39/13 16:19 10:01-10:20/19	07:43 08:29-08:48/19 17:31	06:27 06:54-07:13/19 18:35	06:02 06:29-06:43/14 20:43	04:52 21:48	04:21 22:27
21	08:47 15:27-15:41/14 10:02-10:19/17 16:21 09:23-09:41/18	07:41 08:29-08:46/17 17:33	06:25 06:51-07:12/21 18:37	05:59 06:27-06:44/17 20:45	04:50 21:50	04:21 22:27
22	08:46 15:27-15:43/16 10:03-10:18/15 16:23 09:21-09:43/22	07:38 08:30-08:45/15 17:36	06:22 06:48-07:11/23 18:39	05:57 06:24-06:43/19 20:48	04:48 21:52	04:21 22:28
23	08:44 15:28-15:46/18 10:05-10:17/12 16:25 09:19-09:44/25	07:35 08:32-08:42/10 17:38	06:19 06:45-07:10/25 18:41	05:54 06:24-06:44/20 20:50	04:47 21:53	04:21 22:28
24	08:42 15:29-15:48/19 10:07-10:15/8 16:28 09:17-09:45/28	07:33 17:40	06:16 06:42-07:07/25 18:44	05:51 06:23-06:43/20 20:52	04:45 21:55	04:22 22:28
25	08:41 15:30-15:51/21 16:30 09:15-09:46/31	07:30 17:43	06:13 06:41-06:59/18 18:46	05:49 06:24-06:43/19 20:54	04:43 21:57	04:22 22:28
26	08:39 15:31-15:54/23 16:32 09:13-09:47/34	07:28 17:45	06:11 06:42-07:00/18 18:48	05:46 06:24-06:43/19 20:56	04:42 21:59	04:23 22:28
27	08:37 15:33-15:56/23 16:34 09:11-09:48/37	07:25 17:47	06:08 06:41-06:59/18 18:50 06:34-06:36/2	05:44 06:24-06:42/18 20:59 06:12-06:13/1	04:40 22:01	04:23 22:28
28	08:35 15:35-15:57/22 16:37 09:12-09:49/37	07:22 17:50	06:05 06:42-06:57/15 18:52 06:31-06:38/7	05:41 06:25-06:41/16 21:01 06:10-06:15/5	04:38 22:02	04:24 22:27
29	08:33 15:35-15:56/21 09:07-09:11/4 16:39 09:12-09:49/37		07:02 07:28-07:39/11 19:55 07:42-07:56/14	05:39 06:26-06:40/14 21:03 06:08-06:17/9	04:37 22:04	04:24 22:27
30	08:31 15:36-15:56/20 16:41 09:04-09:49/45		06:59 07:26-07:41/15 19:57 07:45-07:54/9	05:36 06:27-06:37/10 21:05 06:05-06:17/12	04:36 22:06	04:25 22:27
31	08:29 15:38-15:55/17 16:44 09:02-09:50/48		06:57 07:23-07:41/18 19:59		04:34 22:07	
Potential sun hours	227	262	365	429	515	539
Sum of minutes with flicker	1332	999	312	602	350	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 1 - VES "Senlejas"

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	July	August	September	October	November	December
1	04:26	05:15 05:57-06:20/23	06:21 06:52-07:12/20	07:25	07:34 08:08-08:51/43	08:39 09:38-10:01/23
	22:26	21:41	20:23	19:00	16:38 08:57-09:15/18	15:43
2	04:27	05:17 05:57-06:22/25	06:23 06:54-07:12/18	07:27	07:36 08:10-08:50/40	08:41 09:38-10:02/24
	22:26	21:39	20:21	18:57	16:36 08:55-09:16/21	15:42
3	04:28	05:19 05:57-06:24/27	06:25 06:56-07:12/16	07:29	07:38 08:13-08:51/38	08:43 09:38-10:02/24
	22:25	21:37	20:18	18:54	16:33 08:54-09:18/24	15:41
4	04:29	05:21 05:56-06:24/28	06:27 07:22-07:29/7	07:31	07:41 08:15-08:50/35	08:44 09:39-10:02/23
	22:24	21:35	20:15 06:58-07:12/14	18:51	16:31 08:53-09:18/25	15:40
5	04:30	05:23 05:58-06:25/27	06:29 07:18-07:32/14	07:33	07:43 08:26-08:50/24 08:53-09:19/26	08:46 09:39-10:03/24
	22:24	21:33	20:12 07:00-07:11/11	18:48	16:29 08:18-08:25/7	15:40
6	04:31	05:26 06:00-06:26/26	06:32 07:15-07:33/18	07:35	07:45 08:21-08:49/28	08:48 11:54-11:56/2 11:07-11:14/7
	22:23	21:30	20:10 07:02-07:10/8	18:46	16:27 08:52-09:19/27	15:39 09:40-10:03/23
7	04:32	05:28 06:02-06:26/24	06:34 07:13-07:33/20	07:38	07:48 08:26-09:20/54	08:49 11:51-12:00/9 11:05-11:15/10
	22:22	21:28	20:07 07:04-07:08/4	18:43	16:24 08:23-08:24/1	15:38 09:40-10:03/23
8	04:33	05:30 06:04-06:26/22	06:36 07:11-07:34/23	07:40	07:50 08:28-09:21/53	08:51 11:51-12:02/11 11:05-11:17/12
	22:21	21:26	20:04	18:40	16:22	15:37 09:41-10:03/22 10:30-10:34/4
9	04:35	05:32 06:06-06:26/20	06:38 07:11-07:34/23	07:42	07:52 15:13-15:22/9	08:52 11:51-12:04/13 11:05-11:18/13 10:29-10:36/7
	22:20	21:23	20:01	18:37	16:20 08:28-09:21/53	15:37 09:42-10:04/22 10:40-10:43/3
10	04:36	05:34 06:08-06:26/18	06:40 07:10-07:33/23	07:44	07:54 15:11-15:25/14	08:54 11:50-12:04/14 11:04-11:19/15 10:28-10:37/9
	22:19	21:21	19:58	18:35	16:18 08:31-09:21/50	15:36 09:42-10:03/21 10:38-10:44/6
11	04:38	05:36 06:10-06:26/16	06:42 07:12-07:33/21	07:46	07:57 15:09-15:26/17	08:55 11:50-12:06/16 11:04-11:20/16
	22:18	21:18	19:56	18:32	16:16 08:33-09:21/48	15:36 09:43-10:04/21 10:28-10:47/19
12	04:39	05:38 06:37-06:44/7	06:44 07:14-07:32/18	07:48	07:59 15:08-15:28/20	08:56 11:49-12:07/18 11:04-11:21/17
	22:16	21:16 06:12-06:26/14	19:53	18:29	16:14 08:36-09:21/45	15:36 09:43-10:04/21 10:28-10:48/20
13	04:40	05:40 06:35-06:46/11	06:46 07:16-07:31/15	07:51	08:01 15:07-15:28/21 08:39-08:42/3	08:57 11:49-12:07/18 11:03-11:21/18
	22:15	21:13 06:14-06:25/11	19:50 07:35-07:44/9	18:27	16:12 08:44-09:20/36	15:35 09:43-10:04/21 10:27-10:49/22
14	04:42	05:43 06:33-06:48/15	06:48 07:18-07:30/12	07:53	08:04 15:07-15:29/22	08:59 11:50-12:09/19 11:04-11:23/19
	22:14	21:11 06:16-06:24/8	19:47 07:33-07:46/13	18:24	16:10 08:44-09:21/37	15:35 09:45-10:05/20 10:28-10:50/22
15	04:44	05:45 06:32-06:49/17	06:51 07:31-07:47/16	07:55	08:06 15:05-15:28/23	09:00 11:50-12:09/19 11:04-11:24/20
	22:12	21:08 06:18-06:23/5	19:44 07:20-07:28/8	18:21	16:08 08:44-09:21/37	15:35 09:45-10:05/20 10:28-10:51/23
16	04:45	05:47 06:31-06:49/18	06:53 07:30-07:47/17	07:57	08:08 15:04-15:27/23	09:01 11:50-12:10/20 11:05-11:24/19
	22:11	21:06	19:42 07:22-07:25/3	18:19	16:06 08:46-09:20/34	15:35 09:46-10:05/19 10:28-10:52/24
17	04:47	05:49 06:31-06:50/19	06:55 07:30-07:48/18	08:00	08:10 15:04-15:25/21	09:02 11:50-12:11/21 11:05-11:25/20
	22:09	21:03	19:39	18:16	16:04 08:49-09:20/31	15:35 09:47-10:06/19 10:29-10:53/24
18	04:49	05:51 06:30-06:50/20	06:57 07:29-07:48/19	08:02 09:06-09:11/5	08:12 15:03-15:22/19 09:41-09:49/8	09:02 11:51-12:10/20 11:05-11:26/21
	22:08	21:01	19:36	18:13	16:02 08:51-09:19/28	15:35 09:48-10:06/18 10:29-10:53/24
19	04:50	05:53 06:30-06:50/20	06:59 07:29-07:54/25	08:04 09:02-09:14/12	08:15 15:03-15:21/18 09:40-09:52/12	09:03 11:50-12:11/21 11:05-11:25/20
	22:06	20:58	19:33	18:11	16:01 08:54-09:19/25	15:35 09:49-10:07/18 10:30-10:54/24
20	04:52	05:55 06:30-06:49/19	07:01 07:31-07:56/25	08:06 09:01-09:16/15	08:17 15:02-15:18/16 09:38-09:53/15	09:04 11:51-12:12/21 11:06-11:26/20
	22:05	20:56	19:30	18:08	15:59 08:56-09:18/22	15:36 09:49-10:07/18 10:29-10:54/25
21	04:54	05:58 06:30-06:49/19	07:03 07:33-07:57/24	08:09 08:59-09:17/18	08:19 15:03-15:17/14 09:38-09:55/17	09:05 11:52-12:13/21 11:06-11:27/21
	22:03	20:53	19:28	18:05	15:57 08:59-09:17/18	15:36 09:50-10:08/18 10:30-10:55/25
22	04:56	06:00 06:32-06:48/16	07:05 07:35-07:57/22	08:11 08:59-09:18/19	08:21 15:03-15:14/11 09:02-09:15/13	09:05 11:52-12:13/21 11:06-11:27/21
	22:01	20:50	19:25	18:03	15:56 09:37-09:56/19	15:37 09:50-10:07/17 10:30-10:55/25
23	04:58	06:02 06:34-06:47/13	07:07 07:37-07:57/20	08:13 08:58-09:18/20	08:23 15:03-15:12/9 09:05-09:14/9	09:06 11:53-12:14/21 11:08-11:28/20
	21:59	20:48 06:55-06:57/2	19:22	18:00	15:54 09:37-09:57/20	15:37 09:51-10:09/18 10:31-10:56/25
24	04:59	06:04 06:36-06:46/10	07:10 07:40-07:57/17	08:15 08:58-09:19/21	08:25 09:37-09:58/21	09:06 11:53-12:14/21 11:08-11:28/20
	21:58	20:45 06:51-07:01/10	19:19	17:58	15:52 15:04-15:11/7	15:38 09:51-10:09/18 10:31-10:56/25
25	05:01	06:06 06:38-06:44/6	07:12 07:41-07:56/15	07:18 07:57-08:19/22	08:27 09:36-09:58/22	09:06 11:54-12:14/20 11:08-11:28/20
	21:56	20:42 06:49-07:02/13	19:16	16:55 08:34-08:42/8	15:51 15:04-15:09/5	15:38 09:51-10:09/18 10:32-10:56/24
26	05:03 06:03-06:08/5	06:08 06:40-06:41/1	07:14 07:43-07:55/12	07:20 07:57-08:19/22	08:29 09:37-09:59/22	09:07 11:54-12:15/21 11:09-11:29/20
	21:54	20:40 06:48-07:03/15	19:13	16:53 08:32-08:45/13	15:50 15:05-15:08/3	15:39 09:51-10:10/19 10:32-10:57/25
27	05:05 06:01-06:11/10	06:10 06:47-07:03/16	07:16 07:46-07:55/9	07:22 07:57-08:19/22	08:31 09:37-09:59/22	09:07 11:55-12:15/20 11:09-11:29/20
	21:52	20:37	19:11	16:50 08:29-08:47/18	15:48	15:40 09:51-10:10/19 10:33-10:57/24
28	05:07 06:00-06:12/12	06:12 06:47-07:03/16	07:18 07:48-07:53/5	07:24 07:58-08:23/25	08:33 09:36-10:00/24	09:07 11:56-12:15/19 11:10-11:29/19
	21:50	20:34	19:08	16:48 08:28-08:48/20	15:47	15:41 09:51-10:11/20 10:34-10:57/23
29	05:09 05:58-06:15/17	06:15 06:46-07:08/22	07:20 07:50-07:51/1	07:27 08:00-08:24/24	08:35 09:36-10:00/24	09:07 11:56-12:16/20 11:11-11:30/19
	21:48	20:32	19:05	16:45 08:27-08:49/22	15:46	15:42 09:51-10:12/21 10:35-10:57/22
30	05:11 05:58-06:18/20	06:17 06:48-07:10/22	07:22	07:29 08:03-08:26/23 09:02-09:10/8	08:37 09:38-10:01/23	09:07 11:58-12:16/18 11:12-11:30/18
	21:46	20:29	19:02	16:43 08:27-08:50/23	15:44	15:43 09:52-10:13/21 10:36-10:58/22
31	05:13 05:57-06:19/22	06:19 06:50-07:11/21		07:31 08:05-08:50/45		09:07 11:58-12:15/17 11:12-11:30/18
	21:44	20:26		16:40 08:58-09:13/15		15:44 09:52-10:13/21 10:36-10:57/21
Potential sun hours	538	474	386	321	241	207
Sum of minutes with flicker	86	642	563	420	1474	2075

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

SHADOW - Calendar per WTG

WTG: 2 - Z1

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1	09:07 10:03-10:47/44 15:46	08:27 09:25-10:14/49 16:46	07:20 17:52 20:01	06:54 20:01 20:03	05:34 21:07 06:08-06:14/6	04:33 22:09 05:22-05:53/31 20:59-21:23/24
2	09:06 10:04-10:48/44 15:47	08:25 09:24-10:13/49 16:49	07:17 17:54 20:03	06:51 20:03 20:06	05:31 21:10 06:05-06:18/13	04:32 22:10 05:21-05:53/32 20:59-21:23/24
3	09:06 10:04-10:48/44 15:48	08:23 09:24-10:14/50 16:51	07:14 17:57 20:06	06:48 20:06 20:08	05:29 21:12 06:01-06:20/19	04:31 22:12 05:20-05:54/34 20:58-21:24/25
4	09:05 10:04-10:48/44 15:50	08:21 09:24-10:14/50 16:53	07:12 17:59 20:08	06:46 20:08 20:10	05:27 21:14 06:01-06:20/19	04:30 22:13 05:19-05:54/35 20:58-21:24/26
5	09:05 10:04-10:49/45 15:51	08:19 09:23-10:13/50 16:56	07:09 18:01 20:10	06:43 20:10 20:12	05:24 21:16 06:00-06:21/21	04:29 22:14 05:18-05:54/36 20:58-21:24/26
6	09:04 10:04-10:50/46 15:53	08:17 09:24-10:13/49 16:58	07:06 18:03 20:12	06:40 20:12 20:14	05:22 21:18 05:59-06:22/23	04:28 22:16 05:18-05:54/36 20:58-21:24/26
7	09:04 10:05-10:50/45 15:54	08:14 09:23-10:12/49 17:00	07:03 18:06 20:14	06:37 20:14 20:17	05:20 21:21 05:58-06:23/25	04:27 22:17 05:18-05:54/36 20:59-21:25/26
8	09:03 10:04-10:49/45 15:56 09:44-09:53/9	08:12 09:24-10:12/48 17:03	07:01 18:08 20:17	06:35 07:05-07:14/9 06:32 07:02-07:17/15	05:17 21:23 05:58-06:23/25	04:26 22:18 05:17-05:54/37 20:58-21:25/27
9	09:02 10:04-10:49/45 15:58 09:42-09:56/14	08:10 09:24-10:11/47 17:05	06:58 18:10 20:19	06:32 07:02-07:17/15 06:29 07:00-07:18/18	05:15 21:25 05:57-06:24/27	04:25 22:19 05:17-05:54/37 20:59-21:26/27
10	09:01 10:04-10:49/45 15:59 09:41-09:57/16	08:07 09:25-10:10/45 17:08	06:55 18:13 20:21	06:29 07:00-07:18/18 06:26 06:59-07:19/20	05:13 21:27 05:57-06:24/27	04:24 22:20 05:17-05:55/38 20:58-21:26/28
11	09:00 10:05-10:50/45 16:01 09:41-09:59/18	08:05 09:25-10:08/43 17:10	06:52 18:15 20:23	06:26 06:59-07:19/20 06:24 06:55-07:20/25	05:11 21:29 05:56-06:24/28	04:24 22:21 05:17-05:54/37 20:59-21:26/27
12	08:59 10:04-10:49/45 16:03 09:40-10:00/20	08:03 09:26-10:06/40 17:12	06:50 18:17 20:25	06:24 06:55-07:20/25 06:21 06:54-07:21/27	05:08 21:31 05:56-06:24/28	04:23 22:22 05:17-05:55/38 20:59-21:27/28
13	08:58 10:05-10:49/44 16:05 09:40-10:01/21	08:00 09:26-10:03/37 17:15	06:47 18:19 20:28	06:21 06:54-07:21/27 06:18 06:52-07:20/28	05:06 21:33 05:56-06:24/28	04:23 22:23 05:17-05:55/38 20:59-21:27/28
14	08:57 10:05-10:33/28 09:39-10:02/23 16:07 10:34-10:48/14	07:58 09:26-09:55/29 17:17	06:44 18:22 20:30	06:18 06:52-07:20/28 06:15 06:50-07:20/30	05:04 21:35 05:56-06:24/28	04:22 22:24 05:17-05:55/38 20:59-21:27/28
15	08:56 10:05-10:34/29 09:39-10:03/24 16:09 10:37-10:47/10	07:56 09:28-09:54/26 17:19	06:41 18:24 20:32	06:15 06:50-07:20/30 06:13 06:50-07:20/30	05:02 21:38 05:56-06:24/28	04:22 22:25 05:17-05:55/38 21:00-21:27/27
16	08:54 10:05-10:34/29 10:38-10:45/7 16:11 09:39-10:04/25	07:53 09:29-09:52/23 17:22	06:39 18:26 20:34	06:13 06:50-07:20/30 06:10 06:49-07:20/31	05:00 21:40 05:57-06:24/27	04:22 22:26 05:17-05:56/39 21:00-21:28/28
17	08:53 10:05-10:35/30 16:13 09:38-10:04/26	07:51 09:31-09:51/20 17:24	06:36 18:28 20:37	06:10 06:49-07:20/31 06:07 06:49-07:20/31	04:58 21:42 05:57-06:24/27	04:21 22:27 05:17-05:56/39 21:00-21:28/28
18	08:52 09:39-10:36/57 16:15	07:48 09:33-09:48/15 17:26	06:33 18:30 20:39	06:07 06:49-07:20/31 06:05 06:48-07:18/30	04:56 21:44 05:57-06:23/26	04:21 22:28 05:17-05:56/39 21:00-21:28/28
19	08:50 09:39-10:36/57 16:17	07:46 09:37-09:43/6 17:29	06:30 18:33 20:41	06:05 06:48-07:18/30 06:02 06:47-07:17/30	04:54 21:46 05:57-06:23/26	04:21 22:29 05:17-05:56/39 21:00-21:28/28
20	08:49 09:39-10:36/57 16:19	07:43 17:31 17:31	06:27 18:35 20:43	06:02 06:47-07:17/30 05:59 06:48-07:17/29	04:52 21:48 05:58-06:23/25	04:21 22:27 05:18-05:56/38 21:00-21:28/28
21	08:47 09:38-10:36/58 16:21	07:41 17:34 17:34	06:25 18:37 20:45	05:59 06:48-07:17/29 05:57 06:47-07:15/28	04:50 21:50 05:58-06:22/24	04:21 22:27 05:18-05:56/38 21:00-21:28/28
22	08:46 10:08-10:36/28 16:23 09:37-10:07/30	07:38 17:36 17:36	06:22 18:39 20:48	05:57 06:47-07:15/28 05:54 06:48-07:13/25	04:49 21:51 05:58-06:21/23	04:21 22:28 05:19-05:57/38 21:01-21:29/28
23	08:44 09:36-10:36/60 16:26	07:35 17:38 17:38	06:19 18:41 20:50	05:54 06:48-07:13/25 05:52 06:49-07:12/23	04:47 21:53 05:59-06:21/22	04:22 22:28 05:18-05:57/39 21:01-21:29/28
24	08:42 09:33-10:36/63 16:28	07:33 17:41 17:41	06:16 18:44 20:52	05:52 06:49-07:12/23 05:49 06:49-07:11/22	04:45 21:55 05:59-06:20/21	04:22 22:28 05:18-05:57/39 21:02-21:30/28
25	08:41 09:31-10:36/65 16:30	07:30 17:43 17:43	06:13 18:46 20:54	05:49 06:49-07:11/22 05:46 06:50-07:10/20	04:43 21:57 05:57-05:50/23	04:22 22:28 05:19-05:58/39 21:02-21:29/27
26	08:39 09:29-10:35/66 16:32	07:28 17:45 17:45	06:11 18:48 20:56	05:46 06:50-07:10/20 05:44 06:50-07:08/18	04:42 21:59 05:57-05:51/24	04:23 22:28 05:19-05:57/38 21:02-21:30/28
27	08:37 09:28-10:35/67 16:35	07:25 17:47 17:47	06:08 18:50 20:59	05:44 06:50-07:08/18 05:41 06:52-07:06/14	04:40 22:01 05:56-05:51/25	04:23 22:28 05:20-05:58/38 21:02-21:29/27
28	08:35 09:27-10:12/45 16:37 10:13-10:34/21	07:22 17:50 17:50	06:05 18:52 21:01	05:41 06:52-07:06/14 05:39 06:55-07:03/8	04:39 22:02 05:56-05:51/25	04:24 22:27 05:20-05:58/38 21:03-21:30/27
29	08:33 09:26-10:12/46 16:39 10:14-10:33/19		07:02 19:55 21:03	05:39 06:55-07:03/8 05:36 21:05	04:37 22:04 05:56-05:52/26	04:25 22:27 05:20-05:58/38 21:03-21:30/27
30	08:31 09:25-10:13/48 16:42 10:16-10:31/15		07:00 19:57 21:05	05:36 21:05 21:05	04:36 22:06 05:56-05:53/27	04:25 22:27 05:21-05:59/38
31	08:29 09:25-10:13/48 16:44 10:18-10:29/11		06:57 19:59 21:05	21:05 21:05	04:34 22:07 05:23-05:53/30	
Potential sun hours	227	262	365	429	515	539
Sum of minutes with flicker	1785	725	0	511	1047	1924

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 2 - Z1

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	July	August	September	October	November	December
1	04:26 21:03-21:30/27 22:26 05:21-05:58/37	05:15 06:07-06:34/27 21:41	06:21 06:58-07:18/20 20:23	07:25 19:00	07:34 08:54-09:40/46 16:38	08:39 09:47-10:32/45 15:44 09:23-09:41/18
2	04:27 21:03-21:30/27 22:26 05:21-05:59/38	05:17 06:07-06:34/27 21:39	06:23 06:59-07:17/18 20:21	07:27 18:57	07:36 08:53-09:40/47 16:36	08:41 09:47-10:33/46 15:42 09:24-09:41/17
3	04:28 21:04-21:30/26 22:25 05:22-05:59/37	05:19 06:08-06:34/26 21:37	06:25 07:00-07:15/15 20:18	07:29 18:54	07:38 08:54-09:42/48 16:34	08:43 09:48-10:33/45 15:42 09:26-09:40/14
4	04:29 21:04-21:31/27 22:24 05:23-06:00/37	05:22 06:08-06:33/25 21:35	06:27 07:02-07:11/9 20:15	07:31 18:51	07:41 08:53-09:42/49 16:31	08:44 09:49-10:34/45 15:41 09:29-09:39/10
5	04:30 21:04-21:31/27 22:24 05:23-06:00/37	05:24 06:08-06:32/24 21:33	06:30 20:12	07:33 18:48	07:43 08:54-09:43/49 16:29	08:46 09:50-10:35/45 15:40 09:34-09:36/2
6	04:31 21:05-21:31/26 22:23 05:24-06:00/36	05:26 06:08-06:31/23 21:30	06:32 20:10	07:35 18:46	07:45 08:53-09:43/50 16:27	08:48 09:50-10:35/45 15:39
7	04:32 21:05-21:31/26 22:22 05:24-06:00/36	05:28 06:09-06:30/21 21:28	06:34 20:07	07:38 18:43	07:48 08:54-09:44/50 16:25	08:49 09:51-10:36/45 15:38
8	04:34 21:05-21:30/25 22:21 05:25-06:00/35	05:30 06:10-06:29/19 21:26	06:36 20:04	07:40 18:40	07:50 08:55-09:44/49 16:22	08:51 09:52-10:36/44 15:38
9	04:35 21:05-21:30/25 22:20 05:26-06:01/35	05:32 06:12-06:27/15 21:23	06:38 20:01	07:42 18:37	07:52 08:55-09:44/49 16:20	08:52 09:53-10:37/44 15:37
10	04:36 21:07-21:31/24 22:19 05:28-06:01/33	05:34 06:14-06:25/11 21:21	06:40 19:59	07:44 18:35	07:54 08:56-09:45/49 16:18	08:54 09:53-10:37/44 15:37
11	04:38 21:07-21:30/23 22:18 05:29-06:01/32	05:36 21:18	06:42 19:56	07:46 18:32	07:57 08:56-09:44/48 16:16	08:55 09:54-10:38/44 15:36
12	04:39 21:07-21:30/23 22:16 05:30-06:01/31	05:38 21:16	06:44 19:53	07:48 18:29	07:59 08:57-09:45/48 16:14	08:56 09:55-10:38/43 15:36
13	04:41 21:07-21:29/22 06:18-06:21/3 22:15 05:33-06:01/28	05:41 21:13	06:46 19:50	07:51 18:27	08:01 08:58-09:44/46 16:12	08:57 09:55-10:14/19 15:36 10:15-10:39/24
14	04:42 21:09-21:29/20 06:15-06:24/9 22:14 05:35-06:01/26	05:43 07:02-07:12/10 21:11	06:49 19:47	07:53 18:24	08:03 08:59-09:44/45 16:10	08:59 09:57-10:15/18 15:35 10:16-10:40/24
15	04:44 21:09-21:28/19 06:13-06:25/12 22:12 05:34-06:00/26	05:45 06:59-07:14/15 21:08	06:51 19:45	07:55 18:21	08:06 09:01-10:08/67 16:08	09:00 09:57-10:15/18 15:35 10:17-10:40/23
16	04:45 21:10-21:28/18 06:12-06:27/15 22:11 05:35-06:01/26	05:47 06:58-07:16/18 21:06	06:53 19:42	07:57 18:19	08:08 09:02-10:08/66 16:06	09:01 09:58-10:15/17 15:35 10:17-10:41/24
17	04:47 21:11-21:27/16 06:11-06:28/17 22:09 05:35-06:00/25	05:49 06:56-07:17/21 21:03	06:55 19:39	08:00 18:16	08:10 09:05-10:10/65 16:04	09:02 09:59-10:16/17 15:35 10:17-10:41/24
18	04:49 21:13-21:26/13 06:11-06:29/18 22:08 05:36-06:00/24	05:51 06:55-07:17/22 21:01	06:57 19:36	08:02 18:13	08:12 09:07-10:10/63 16:02	09:02 10:00-10:16/16 15:35 10:18-10:42/24
19	04:50 21:14-21:24/10 06:10-06:30/20 22:06 05:36-05:59/23	05:53 06:54-07:18/24 20:58	06:59 19:33	08:04 18:11	08:15 09:11-10:11/60 16:01	09:03 09:59-10:15/16 15:36 10:18-10:41/23
20	04:52 21:17-21:22/5 06:09-06:31/22 22:05 05:37-05:59/22	05:55 06:53-07:19/26 20:56	07:01 19:30	08:06 18:08	08:17 09:43-10:11/28 15:59 09:12-09:42/30	09:04 10:00-10:16/16 15:36 10:18-10:42/24
21	04:54 05:39-05:59/20 22:03 06:09-06:32/23	05:58 06:53-07:20/27 20:53	07:03 19:28	08:09 18:05	08:19 09:14-10:12/58 15:57	09:05 10:01-10:17/16 15:36 10:19-10:43/24
22	04:56 05:39-05:58/19 22:01 06:08-06:32/24	06:00 06:52-07:21/29 20:50	07:05 19:25	08:11 18:03	08:21 09:15-10:12/57 15:56	09:05 10:01-10:17/16 15:37 10:19-10:43/24
23	04:58 05:40-05:57/17 21:59 06:08-06:33/25	06:02 06:52-07:22/30 20:48	07:08 19:22	08:13 10:06-10:15/9 18:00	08:23 09:16-10:12/56 15:54	09:06 10:02-10:18/16 15:37 10:20-10:44/24
24	05:00 05:42-05:56/14 21:58 06:08-06:34/26	06:04 06:52-07:22/30 20:45	07:10 19:19	08:15 10:03-10:19/16 17:58	08:25 09:16-10:13/57 15:53	09:06 10:02-10:18/16 15:38 10:21-10:44/23
25	05:01 05:43-05:54/11 21:56 06:07-06:33/26	06:06 06:52-07:22/30 20:42	07:12 19:16	07:18 09:00-09:21/21 16:55	08:27 09:43-10:13/30 15:51 09:16-09:42/26	09:06 10:03-10:19/16 15:39 10:21-10:45/24
26	05:03 05:46-05:51/5 21:54 06:07-06:34/27	06:08 06:52-07:22/30 20:40	07:14 19:14	07:20 08:59-09:23/24 16:53	08:29 09:44-10:14/30 10:18-10:24/6 15:50 09:18-09:43/25	09:07 10:03-10:19/16 15:39 10:21-10:45/24
27	05:05 06:07-06:34/27 21:52	06:10 06:52-07:22/30 20:37	07:16 19:11	07:22 08:57-09:24/27 16:50	08:31 09:45-10:13/28 09:18-09:42/24 15:48 10:16-10:26/10	09:07 10:03-10:20/17 15:40 10:22-10:45/23
28	05:07 06:07-06:35/28 21:50	06:13 06:52-07:22/30 20:34	07:18 19:08	07:24 08:57-09:25/28 16:48	08:33 09:45-10:13/28 09:19-09:42/23 15:47 10:14-10:28/14	09:07 10:03-10:21/18 15:41 10:22-10:46/24
29	05:09 06:06-06:34/28 21:48	06:15 06:53-07:21/28 20:32	07:20 19:05	07:27 08:55-09:33/38 16:45	08:35 09:45-10:13/28 09:20-09:41/21 15:46 10:14-10:29/15	09:07 10:04-10:22/18 15:42 10:23-10:47/24
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31	05:13 06:07-06:34/27 21:44	06:19 06:55-07:19/24 20:26	07:24 19:02	07:31 08:54-09:38/44 16:41	08:39 09:47-10:32/45 15:44	09:07 10:04-10:23/19 15:44 10:24-10:47/23
Potential sun hours	538	474	386	321	241	207
Sum of minutes with flicker	1544	668	62	248	1720	1370

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 3 - Z2

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1	09:07 13:52-14:13/21 10:39-11:09/30 13:26-13:32/6 15:46 10:02-10:24/22 11:29-11:59/30 12:10-12:38/28	08:27 16:46	07:20 08:06-09:03/57 17:52	06:54 07:47-08:31/44 20:01	05:34 06:25-07:21/56 21:08	04:33 06:15-07:09/54 22:09
2	09:06 13:53-14:14/21 10:39-11:09/30 13:28-13:30/2 15:47 10:02-10:24/22 11:30-11:58/28 12:10-12:38/28	08:25 16:48	07:17 08:06-09:02/56 17:54	06:51 07:45-08:28/43 20:03	05:31 06:23-07:22/59 21:10	04:32 06:16-07:08/52 22:10
3	09:06 13:53-14:14/21 10:39-11:09/30 12:11-12:38/27 15:48 10:02-10:25/23 11:30-11:58/28	08:23 16:51	07:14 07:45-08:01/16 17:57 08:06-09:01/55	06:48 07:43-08:27/44 20:06	05:29 06:20-07:21/61 21:12	04:31 06:16-07:08/52 22:12
4	09:05 13:54-14:14/20 10:39-11:10/31 12:11-12:38/27 15:50 10:03-10:26/23 11:30-11:58/28	08:21 16:53	07:12 07:43-08:05/22 17:59 08:07-09:01/54	06:46 07:42-08:27/45 20:08	05:27 06:19-07:21/62 21:14	04:30 06:17-07:07/50 22:13
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8	09:03 13:57-14:14/17 10:42-11:12/30 12:15-12:38/23 15:56 10:05-10:28/23 11:34-12:00/26	08:12 17:03	07:01 07:37-08:10/33 18:08 08:11-08:52/41	06:34 07:37-08:23/46 20:17	05:17 06:15-07:21/66 21:23	04:26 06:18-07:05/47 22:18
9	09:02 13:58-14:14/16 10:42-11:12/30 12:16-12:38/22 15:58 10:04-10:27/23 11:35-11:59/24	08:10 17:05	06:58 07:37-08:11/34 18:10 08:12-08:53/41	06:32 07:36-08:23/47 20:19	05:15 06:15-07:21/66 21:25	04:25 06:18-07:04/46 22:19
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11	09:00 14:01-14:14/13 10:43-11:13/30 12:19-12:37/18 16:01 10:06-10:29/23 11:37-11:59/22	08:05 08:37-09:00/23 17:10	06:52 07:36-08:11/35 18:15 08:12-08:51/39	06:26 07:35-08:23/48 20:23	05:11 06:14-07:20/66 21:29	04:24 06:19-07:04/45 22:21
12	08:59 14:03-14:12/9 10:43-11:12/29 12:20-12:36/16 16:03 10:06-10:28/22 11:38-11:58/20	08:03 08:37-09:03/26 17:12	06:50 07:36-08:11/35 18:17 08:13-08:50/37	06:24 07:34-08:23/49 20:25	05:08 06:13-07:19/66 21:31	04:23 06:20-07:04/44 22:22
13	08:58 14:06-14:11/5 10:45-11:13/28 12:22-12:35/13 16:05 10:07-10:29/22 11:40-11:57/17	08:00 08:35-09:04/29 17:15	06:47 07:36-08:11/35 18:19 08:13-08:48/35	06:21 07:34-08:22/48 20:28	05:06 06:13-07:19/66 21:33	04:22 06:21-07:04/43 22:23
14	08:57 10:07-10:29/22 11:41-11:56/15 16:07 10:45-11:12/27 12:24-12:33/9	07:58 08:35-09:05/30 17:17	06:44 07:37-08:11/34 07:23-07:33/10 18:21 08:14-08:48/34	06:18 07:34-08:22/48 20:30	05:04 06:12-07:18/66 21:36	04:22 06:21-07:03/42 22:24
15	08:56 10:08-10:29/21 11:43-11:55/12 16:09 10:46-11:13/27	07:56 08:34-09:06/32 17:19	06:41 07:37-08:10/33 07:19-07:36/17 18:24 08:15-08:46/31	06:15 07:33-08:22/49 20:32	05:02 06:12-07:17/65 21:38	04:22 06:21-07:03/42 22:25
16	08:54 10:08-10:29/21 11:46-11:52/6 16:11 10:47-11:12/25	07:53 08:33-09:07/34 17:22	06:39 07:17-08:09/52 18:26 08:16-08:44/28	06:13 07:34-08:22/48 20:34	05:00 06:12-07:16/64 21:40	04:21 06:22-07:02/40 22:26
17	08:53 10:10-10:29/19 16:13 10:48-11:13/25	07:51 08:34-09:08/34 17:24	06:36 07:40-08:08/28 07:15-07:39/24 18:28 08:18-08:41/23	06:10 07:34-08:21/47 20:37	04:58 06:11-07:15/64 21:42	04:21 06:22-07:02/40 22:26
18	08:52 10:11-10:29/18 16:15 10:49-11:12/23	07:48 08:33-09:08/35 17:26	06:33 07:13-08:07/54 18:30 08:20-08:38/18	06:07 07:33-08:20/47 20:39	04:56 06:12-07:15/63 21:44	04:21 06:22-07:02/40 22:26
19	08:50 10:11-10:28/17 16:17 10:50-11:11/21	07:46 08:33-09:08/35 17:29	06:30 07:12-08:05/53 18:33 08:23-08:33/10	06:05 07:34-08:19/45 20:41	04:54 06:12-07:14/62 21:46	04:21 06:23-07:02/39 22:27
20	08:49 10:13-10:27/14 16:19 10:51-11:10/19	07:43 08:33-09:08/35 17:31 08:20-08:22/2	06:27 07:42-08:04/22 18:35 07:10-07:41/31	06:02 07:34-08:18/44 20:43	04:52 06:11-07:13/62 21:48	04:21 06:23-07:02/39 22:27
21	08:47 10:14-10:26/12 16:21 10:53-11:09/16	07:41 08:32-09:08/36 17:33 08:14-08:26/12	06:25 07:44-08:02/18 18:37 07:06-07:41/35	05:59 07:35-08:18/43 20:45	04:50 06:12-07:13/61 21:50	04:21 06:23-07:02/39 22:27
22	08:46 10:16-10:24/8 16:23 10:55-11:08/13	07:38 08:12-09:08/56 17:36	06:22 07:46-07:58/12 18:39 07:03-07:41/38	05:57 07:35-08:16/41 20:48	04:48 06:12-07:12/60 21:52	04:21 06:23-07:02/39 22:28
23	08:44 10:58-11:05/7 16:26	07:35 08:11-09:08/57 17:38	06:19 07:01-07:41/40 18:41	05:54 07:36-08:15/39 20:50	04:47 06:12-07:12/60 21:53	04:22 06:24-07:03/39 22:28
24	08:42 16:28	07:33 08:09-09:07/58 17:40	06:16 06:59-07:40/41 18:44	05:52 07:36-08:13/37 20:52	04:45 06:12-07:11/59 21:55	04:22 06:24-07:03/39 22:28
25	08:41 16:30	07:30 08:08-09:06/58 17:43	06:13 06:59-07:41/42 18:46	05:49 07:37-08:12/35 20:54	04:43 06:13-07:11/58 21:57	04:22 06:24-07:04/40 22:28
26	08:39 16:32	07:28 08:07-09:05/58 17:45	06:11 06:57-07:40/43 18:48	05:46 07:39-08:11/32 20:56	04:42 06:13-07:11/58 21:59	04:23 06:24-07:04/40 22:28
27	08:37 16:35	07:25 08:07-09:05/58 17:47	06:08 06:56-07:39/43 18:50	05:44 07:39-08:09/30 20:59	04:40 06:13-07:10/57 22:01	04:23 06:24-07:06/42 22:28
28	08:35 16:37	07:22 08:06-09:04/58 17:50	06:05 06:55-07:38/43 18:52	05:41 07:41-08:07/26 21:01	04:39 06:13-07:10/57 22:02	04:24 06:24-07:06/42 22:27
29	08:33 16:39	 19:55	07:02 07:54-08:36/42 19:55	05:39 07:44-08:05/21 21:03	04:37 06:14-07:10/56 22:04	04:25 06:24-07:07/43 22:27
30	08:31 16:41	 19:57	06:59 07:53-08:36/43 19:57	05:36 06:28-07:21/53 21:05	04:36 06:15-07:10/55 22:06	04:25 06:24-07:08/44 22:27
31	08:29 16:44	 19:59	06:57 07:50-08:34/44 19:59	 22:07	04:34 06:15-07:09/54 22:07	 22:27
Potential sun hours	227	262	365	429	515	539
Sum of minutes with flicker	1925	783	1918	1661	1907	1315

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 3 - Z2

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	July	August	September	October	November	December
1	04:26 06:24-07:08/44 22:26	05:15 06:23-07:30/67 21:41	06:21 07:34-08:22/48 20:24	07:25 08:15-08:50/35 19:00	07:34 08:10-08:19/9 18:38	08:10-08:19/9 15:43
2	04:27 06:24-07:09/45 22:26	05:17 06:24-07:30/66 21:39	06:23 07:34-08:22/48 20:21	07:27 08:14-08:49/35 18:57	07:36 18:36	08:20-08:26/6 15:42
3	04:28 06:24-07:09/45 22:25	05:19 06:25-07:31/66 21:37	06:25 07:34-08:21/47 20:18	07:29 08:14-08:50/36 18:54	07:38 18:33	10:26-10:55/29 15:41
4	04:29 06:24-07:10/46 22:24	05:21 06:24-07:30/66 21:35	06:27 07:34-08:20/46 20:15	07:31 08:14-08:49/35 18:51	07:41 18:31	12:00-12:22/22 15:41
5	04:30 06:24-07:11/47 22:24	05:24 06:25-07:30/65 21:33	06:30 07:35-08:20/45 20:12	07:33 08:14-08:47/33 18:48	07:43 18:29	12:00-12:23/23 15:40
6	04:31 06:24-07:12/48 22:23	05:26 06:26-07:30/64 21:30	06:32 07:35-08:20/45 20:10	07:35 08:14-09:29/75 18:46	07:45 18:27	12:00-12:24/24 15:39
7	04:32 06:23-07:13/50 22:22	05:28 06:27-07:30/63 21:28	06:34 07:35-08:21/46 20:07	07:38 08:15-09:32/77 18:43	07:48 18:24	12:00-12:25/25 15:38
8	04:34 06:23-07:13/50 22:21	05:30 06:28-07:30/62 21:26	06:36 07:36-08:21/45 20:04	07:40 08:15-09:33/78 18:40	07:50 18:22	12:00-12:26/26 15:38
9	04:35 06:23-07:14/51 22:20	05:32 06:29-07:30/61 21:23	06:38 07:37-08:22/45 20:01	07:42 08:16-08:41/25 18:37	07:52 18:20	12:00-12:27/27 15:37
10	04:36 06:24-07:15/51 22:19	05:34 06:30-07:30/60 21:21	06:40 07:38-08:22/44 19:59	07:44 08:18-08:38/20 18:35	07:54 18:18	12:00-12:27/28 15:36
11	04:38 06:23-07:16/53 22:18	05:36 06:32-07:30/58 21:18	06:42 07:39-08:23/44 19:56	07:46 08:40-09:36/56 18:32	07:57 18:16	12:00-12:28/28 15:35
12	04:39 06:23-07:16/53 22:16	05:38 06:34-07:30/56 21:16	06:44 07:41-08:25/44 19:53	07:49 08:40-09:36/56 18:29	07:59 18:14	12:00-12:29/29 15:34
13	04:41 06:22-07:17/55 22:15	05:40 06:38-07:29/51 21:13	06:46 07:43-08:26/43 19:50	07:51 08:39-09:36/57 18:27	08:01 18:12	12:00-12:30/30 15:33
14	04:42 06:23-07:18/55 22:14	05:43 07:51-08:13/22 21:11	06:49 07:45-08:27/42 19:47	07:53 08:39-09:37/58 18:24	08:04 18:10	12:00-12:31/31 15:32
15	04:44 06:22-07:18/56 22:12	05:45 07:48-08:15/27 21:08	06:51 07:45-08:27/42 19:45	07:55 08:39-09:37/58 18:21	08:06 18:08	12:00-12:32/32 15:31
16	04:45 06:23-07:20/57 22:11	05:47 07:47-08:17/30 21:06	06:53 07:45-08:27/42 19:42	07:57 08:39-09:37/58 18:19	08:08 18:06	12:00-12:33/33 15:30
17	04:47 06:22-07:20/58 22:09	05:49 07:45-08:18/33 21:03	06:55 07:46-08:28/42 19:39	08:00 08:40-09:38/58 18:16	08:10 18:04	12:00-12:34/34 15:29
18	04:49 06:22-07:21/59 22:08	05:51 07:44-08:19/35 21:01	06:57 07:46-08:28/42 19:36	08:02 08:41-09:38/57 18:13	08:12 18:02	12:00-12:35/35 15:28
19	04:50 06:22-07:21/59 22:06	05:53 07:42-08:20/38 20:58	06:59 07:46-08:28/42 19:33	08:04 08:41-09:38/57 18:11	08:15 18:01	12:00-12:36/36 15:27
20	04:52 06:22-07:22/60 22:05	05:55 07:41-08:21/40 20:56	07:01 07:47-08:28/41 19:30	08:06 09:01-09:39/38 18:08	08:17 18:00	12:00-12:37/37 15:26
21	04:54 06:22-07:23/61 22:03	05:58 07:40-08:22/42 20:53	07:03 08:33-08:43/10 19:28	08:09 09:02-09:39/36 18:05	08:19 18:00	12:00-12:38/38 15:25
22	04:56 06:22-07:22/60 22:01	06:00 07:39-08:22/43 20:50	07:05 08:29-08:46/17 19:25	08:11 09:03-09:39/36 18:03	08:21 18:00	12:00-12:39/39 15:24
23	04:58 06:22-07:23/61 21:59	06:02 07:38-08:23/45 20:48	07:08 08:27-08:47/20 19:22	08:13 09:03-09:38/35 18:00	08:23 18:00	12:00-12:40/40 15:23
24	04:59 06:22-07:25/63 21:58	06:04 07:38-08:23/45 20:45	07:10 08:25-08:49/24 19:19	08:15 09:04-09:38/34 17:58	08:25 18:00	12:00-12:41/41 15:22
25	05:01 06:22-07:25/63 21:56	06:06 07:37-08:23/46 20:42	07:12 07:55-08:49/54 19:16	08:17 08:03-08:37/34 17:58	08:27 18:00	12:00-12:42/42 15:21
26	05:03 06:22-07:26/64 21:54	06:08 07:36-08:24/48 20:40	07:14 08:22-08:50/28 19:14	08:20 08:04-08:37/33 17:54	08:29 18:00	12:00-12:43/43 15:20
27	05:05 06:22-07:27/65 21:52	06:10 07:36-08:24/48 20:37	07:16 08:21-08:51/30 19:11	07:22 08:03-08:35/32 17:50	08:31 18:00	12:00-12:44/44 15:19
28	05:07 06:23-07:28/65 21:50	06:13 07:35-08:23/48 20:34	07:18 08:19-08:51/32 19:08	07:25 08:05-08:35/30 17:48	08:33 18:00	12:00-12:45/45 15:18
29	05:09 06:22-07:28/66 21:48	06:15 07:35-08:23/48 20:32	07:20 08:17-08:51/34 19:05	07:27 08:05-08:33/28 18:45	08:35 18:00	12:00-12:46/46 15:17
30	05:11 06:23-07:29/66 21:46	06:17 07:35-08:23/48 20:29	07:22 08:16-08:51/35 19:02	07:29 08:06-08:32/26 18:43	08:37 18:00	12:00-12:47/47 15:16
31	05:13 06:23-07:29/66 21:44	06:19 07:34-08:23/49 20:26	07:24 08:16-08:51/36 19:00	07:31 08:07-08:29/22 18:41	08:39 18:00	12:00-12:48/48 15:15
Potential sun hours	538	474	386	321	241	207
Sum of minutes with flicker	1742	1917	1547	1679	588	4262

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 4 - Z3

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1	09:07 12:20-12:37/17 11:46-11:58/12 15:46 10:09-10:56/47	08:27 09:14-09:39/25 16:46 09:50-10:12/22	07:20 07:47-07:58/11 17:52	06:54 07:28-07:50/22 20:01	05:34 06:24-06:56/32 21:07	04:33 22:09
2	09:06 12:22-12:37/15 11:47-11:57/10 15:47 10:09-10:56/47	08:25 09:14-09:39/25 16:48 09:50-10:11/21	07:17 07:45-07:59/14 17:54	06:51 07:23-07:50/27 20:03	05:31 06:25-06:55/30 21:10	04:32 22:10
3	09:06 12:23-12:37/14 11:49-11:56/7 15:48 10:09-10:56/47	08:23 09:14-09:39/25 16:51 09:52-10:10/18	07:14 07:43-08:00/17 17:57	06:48 07:19-07:49/30 20:06	05:29 06:24-06:53/29 21:12	04:31 22:12
4	09:05 12:24-12:36/12 11:51-11:54/3 15:50 10:09-10:56/47	08:21 09:15-09:40/25 16:53 09:54-10:08/14	07:12 07:43-08:02/19 17:59	06:46 07:18-07:50/32 20:08	05:27 06:25-06:51/26 21:14	04:29 22:13
5	09:05 12:26-12:36/10 15:51 10:10-10:57/47	08:19 09:15-09:39/24 16:56 09:57-10:05/8	07:09 07:38-08:02/24 18:01	06:43 07:16-07:49/33 20:10	05:24 06:26-06:48/22 21:16	04:28 22:14
6	09:04 12:28-12:35/7 15:53 10:10-10:58/48	08:17 09:15-09:39/24 16:58	07:06 07:35-08:02/27 18:03	06:40 07:14-07:47/33 20:12	05:22 06:27-06:44/17 21:18	04:27 22:16
7	09:04 10:10-10:58/48 15:54	08:14 09:15-09:38/23 17:00	07:03 07:33-08:02/29 18:06	06:37 07:14-07:47/33 20:14	05:19 06:29-06:43/14 21:21	04:27 22:17
8	09:03 09:50-09:58/8 15:56 10:09-10:58/49	08:12 09:17-09:38/21 17:03	07:01 07:32-08:01/29 18:08	06:34 07:13-07:44/31 20:17	05:17 06:31-06:40/9 21:23	04:26 22:18
9	09:02 09:48-09:59/11 15:58 10:09-10:57/48	08:10 09:17-09:37/20 17:05	06:58 07:31-08:02/31 18:10	06:32 07:12-07:42/30 20:19	05:15 21:25	04:25 22:19
10	09:01 09:48-10:01/13 15:59 10:10-10:58/48	08:07 09:19-09:36/17 17:07	06:55 07:30-08:00/30 18:12	06:29 07:11-07:38/27 20:21	05:13 21:27	04:24 22:20
11	09:00 09:47-10:03/16 16:01 10:10-10:58/48	08:05 09:20-09:34/14 17:10	06:52 07:30-07:59/29 18:15	06:26 07:11-07:38/27 20:23	05:10 21:29	04:24 22:21
12	08:59 09:46-10:03/17 16:03 10:10-10:57/47	08:03 09:23-09:32/9 17:12	06:50 07:20-07:57/37 18:17	06:23 07:11-07:38/27 20:25	05:08 21:31	04:23 22:22
13	08:58 09:46-10:05/19 16:05 10:11-10:57/46	08:00 17:15	06:47 07:18-07:55/37 18:19	06:21 07:11-07:37/26 20:28	05:06 21:33	04:22 22:23
14	08:57 09:45-10:06/21 16:07 10:10-10:56/46	07:58 17:17	06:44 07:17-07:52/35 18:21	06:18 07:12-07:36/24 20:30	05:04 21:36	04:22 22:24
15	08:56 09:45-10:07/22 10:11-10:42/31 16:09 10:43-10:55/12	07:56 17:19	06:41 07:08-07:51/43 18:24	06:15 07:12-07:35/23 20:32	05:02 21:38	04:22 22:25
16	08:54 09:45-10:08/23 10:11-10:42/31 16:11 10:45-10:54/9	07:53 17:22	06:39 07:05-07:50/45 18:26	06:13 07:13-07:34/21 20:34	05:00 21:40	04:21 22:25
17	08:53 09:44-10:08/24 16:13 10:11-10:42/31	07:51 17:24	06:36 07:03-07:48/45 18:28	06:10 07:13-07:32/19 20:37	04:58 21:42	04:21 22:26
18	08:52 09:45-10:10/25 16:15 10:12-10:43/31	07:48 17:26	06:33 07:01-07:46/45 18:30	06:07 07:14-07:30/16 20:39	04:56 21:44	04:21 22:26
19	08:50 09:45-10:11/26 16:17 10:13-10:43/30	07:46 17:29	06:30 07:00-07:42/42 18:33	06:05 07:17-07:28/11 20:41	04:54 21:46	04:21 22:27
20	08:49 09:44-10:11/27 16:19 10:13-10:43/30	07:43 17:31	06:27 07:00-07:38/38 18:35	06:02 06:32-07:05/33 20:43	04:52 21:48	04:21 22:27
21	08:47 09:44-10:11/27 16:21 10:13-10:43/30	07:41 17:33	06:25 07:00-07:37/37 18:37	05:59 06:30-07:05/35 20:45	04:50 21:50	04:21 22:27
22	08:46 09:44-10:12/28 16:23 10:14-10:43/29	07:38 17:36	06:22 06:59-07:36/37 18:39	05:57 06:28-07:04/36 20:48	04:48 21:51	04:21 22:28
23	08:44 09:22-09:26/4 10:14-10:43/29 16:25 09:45-10:12/27	07:35 17:38	06:19 06:59-07:35/36 18:41	05:54 06:27-07:05/38 20:50	04:47 21:53	04:21 22:28
24	08:42 09:19-09:30/11 10:15-10:43/28 16:28 09:45-10:13/28	07:33 17:40	06:16 06:59-07:33/34 18:44	05:51 06:26-07:04/38 20:52	04:45 21:55	04:22 22:28
25	08:41 09:18-09:32/14 10:16-10:42/26 16:30 09:45-10:13/28	07:30 17:43	06:13 07:00-07:31/31 18:46	05:49 06:25-07:03/38 20:54	04:43 21:57	04:22 22:28
26	08:39 09:17-09:34/17 10:17-10:42/25 16:32 09:46-10:13/27	07:28 17:45	06:11 07:01-07:29/28 18:48	05:46 06:25-07:03/38 20:56	04:42 21:59	04:23 22:28
27	08:37 09:16-09:35/19 10:18-10:42/24 16:34 09:46-10:14/28	07:25 17:47	06:08 07:02-07:14/12 06:35-06:47/12 18:50	05:44 06:24-07:02/38 20:59	04:40 22:01	04:23 22:28
28	08:35 09:16-09:36/20 10:20-10:41/21 16:37 09:47-10:14/27	07:22 17:50	06:05 07:06-07:09/3 18:52	05:41 06:24-07:01/37 21:01	04:39 22:02	04:24 22:27
29	08:33 09:15-09:37/22 10:20-10:39/19 16:39 09:48-10:14/26		07:02 07:31-07:49/18 19:55	05:39 06:24-07:00/36 21:03	04:37 22:04	04:24 22:27
30	08:31 09:14-09:37/23 10:22-10:38/16 16:41 09:47-10:13/26		06:59 07:30-07:50/20 19:57	05:36 06:24-06:57/33 21:05	04:36 22:06	04:25 22:27
31	08:29 09:14-09:38/24 10:25-10:36/11 16:44 09:49-10:13/24		06:57 07:29-07:51/22 19:59		04:34 22:07	
Potential sun hours	227	262	365	429	515	539
Sum of minutes with flicker	1935	335	940	1013	179	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 4 - Z3

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	July	August	September	October	November	December
1	04:26 22:26	05:15 21:41	06:21 07:10-07:37/27 20:23	07:25 07:58-08:36/38 19:00	07:34 08:48-09:06/18 16:38	08:39 09:29-09:45/16 15:43 09:53-10:40/47
2	04:27 22:26	05:17 21:39	06:23 07:10-07:37/27 20:21	07:27 08:01-08:37/36 18:57	07:36 08:47-09:07/20 16:36	08:41 09:31-09:44/13 15:42 09:53-10:41/48
3	04:28 22:25	05:19 21:37	06:25 07:10-07:40/30 20:18	07:29 08:08-08:38/30 18:54	07:38 08:46-09:08/22 16:33	08:43 09:32-09:43/11 15:41 09:54-10:41/47
4	04:29 22:24	05:21 06:43-06:47/4 21:35	06:27 07:10-07:41/31 20:15	07:31 08:08-08:38/30 18:51	07:41 08:45-09:08/23 16:31	08:44 09:34-09:42/8 15:40 09:54-10:42/48
5	04:30 22:24	05:24 06:39-06:51/12 21:33	06:29 07:10-07:43/33 20:12	07:33 08:08-08:38/30 18:48	07:43 08:45-09:09/24 16:29	08:46 09:55-10:43/48 15:40
6	04:31 22:23	05:26 06:38-06:52/14 21:30	06:32 07:10-07:43/33 20:10	07:35 08:09-08:38/29 18:46	07:45 08:44-09:09/25 16:27 09:26-09:35/9	08:48 12:14-12:20/6 15:39 09:56-10:44/48
7	04:32 22:22	05:28 06:36-06:54/18 21:28	06:34 07:11-07:44/33 20:07	07:38 08:11-08:38/27 18:43	07:48 08:45-09:09/24 16:24 09:24-09:38/14	08:49 12:13-12:22/9 15:38 09:56-10:44/48
8	04:33 22:21	05:30 06:35-06:59/24 21:26	06:36 07:12-07:44/32 20:04	07:40 08:12-08:38/26 18:40	07:50 08:45-09:10/25 16:22 09:23-09:41/18	08:51 12:12-12:24/12 11:40-11:41/1 15:37 09:57-10:44/47
9	04:35 22:20	05:32 06:34-07:01/27 21:23	06:38 07:13-07:44/31 20:01	07:42 08:15-08:37/22 18:37	07:52 08:45-09:09/24 16:20 09:21-09:41/20	08:52 12:12-12:26/14 11:38-11:45/7 15:37 09:58-10:45/47
10	04:36 22:19	05:34 06:34-07:03/29 21:21	06:40 07:16-07:43/27 19:59	07:44 08:17-08:35/18 18:35	07:54 08:45-09:10/25 16:18 09:21-09:43/22	08:54 12:11-12:26/15 11:36-11:46/10 15:36 09:58-10:45/47
11	04:38 22:18	05:36 06:33-07:04/31 21:18	06:42 07:20-07:43/23 19:56	07:46 08:18-08:35/17 18:32	07:57 08:45-09:09/24 09:56-10:07/11 16:16 09:19-09:43/24	08:55 12:11-12:28/17 11:36-11:48/12 15:36 09:59-10:46/47
12	04:39 22:16	05:38 06:32-07:05/33 21:16	06:44 07:20-07:42/22 19:53	07:48 08:19-08:33/14 18:29	07:59 08:46-09:09/23 09:54-10:10/16 16:14 09:19-09:45/26	08:56 12:11-12:28/17 11:36-11:49/13 15:36 10:00-10:47/47
13	04:40 22:15	05:40 06:32-07:06/34 21:13	06:46 07:21-07:41/20 19:50	07:51 08:21-08:29/8 18:27	08:01 08:47-09:09/22 09:52-10:11/19 16:12 09:19-09:46/27	08:57 12:11-12:29/18 11:35-11:49/14 15:35 10:00-10:47/47
14	04:42 22:14	05:43 06:32-07:07/35 21:11	06:48 07:21-07:40/19 19:47	07:53 18:24 18:24	08:04 08:48-09:08/20 09:51-10:13/22 16:10 09:19-09:46/27	08:59 12:12-12:30/18 11:36-11:51/15 15:35 10:01-10:48/47
15	04:44 22:12	05:45 06:32-07:08/36 21:08	06:51 07:22-07:38/16 19:44	07:55 18:21 18:21	08:06 08:49-09:08/19 09:51-10:15/24 16:08 09:19-09:46/27	09:00 12:12-12:31/19 11:36-11:52/16 15:35 10:02-10:48/46
16	04:45 22:11	05:47 06:32-07:09/37 21:06	06:53 07:51-08:02/11 19:42 07:23-07:35/12	07:57 18:19 18:19	08:08 08:50-09:06/16 09:50-10:15/25 16:06 09:18-09:46/28	09:01 12:12-12:32/20 11:36-11:52/16 15:35 10:03-10:49/46
17	04:47 22:09	05:49 06:32-07:10/38 21:03	06:55 07:50-08:17/27 19:39 07:28-07:32/4	08:00 18:16 18:16	08:10 08:52-09:06/14 09:50-10:16/26 16:04 09:19-09:47/28	09:02 12:12-12:32/20 11:36-11:53/17 15:35 10:03-10:49/46
18	04:49 22:08	05:51 06:32-07:10/38 21:01	06:57 07:48-08:19/31 19:36	08:02 18:13 18:13	08:12 08:53-09:04/11 09:49-10:17/28 16:02 09:19-09:47/28	09:02 12:12-12:33/21 11:37-11:54/17 15:35 10:04-10:50/46
19	04:50 22:06	05:53 06:32-07:10/38 20:58	06:59 07:47-08:20/33 19:33	08:04 18:11 18:11	08:15 08:57-09:01/4 09:49-10:18/29 16:01 09:20-09:47/27	09:03 12:12-12:33/21 11:36-11:54/18 15:35 10:05-10:51/46
20	04:52 22:05	05:55 06:33-07:10/37 20:56	07:01 07:46-08:21/35 19:30	08:06 18:08 18:08	08:17 09:19-09:47/28 15:59 09:49-10:18/29	09:04 12:13-12:34/21 11:37-11:55/18 15:36 10:05-10:50/45
21	04:54 22:03	05:58 06:34-07:10/36 20:53	07:03 07:45-08:21/36 19:28	08:09 18:05 18:05	08:19 09:20-09:48/28 15:57 09:49-10:19/30	09:05 12:14-12:35/21 11:38-11:56/18 15:36 10:06-10:51/45
22	04:56 22:01	06:00 06:35-07:10/35 20:50	07:05 07:44-08:21/37 19:25	08:11 18:03 18:03	08:21 09:20-09:47/27 15:56 09:49-10:19/30	09:05 12:14-12:34/20 11:38-11:56/18 15:37 10:06-10:51/45
23	04:58 21:59	06:02 06:37-07:09/32 20:48	07:08 07:44-08:21/37 19:22	08:13 18:00 18:00	08:23 09:22-09:48/26 15:54 09:50-10:20/30	09:06 12:15-12:36/21 11:39-11:57/18 15:37 10:07-10:52/45
24	04:59 21:58	06:04 07:21-07:32/11 20:45 06:42-07:09/27	07:10 07:44-08:21/37 19:19	08:15 17:58 17:58	08:25 09:22-09:47/25 15:52 09:49-10:20/31	09:06 12:15-12:36/21 11:39-11:57/18 15:38 10:07-10:52/45
25	05:01 21:56	06:06 07:18-07:34/16 20:42 06:43-07:08/25	07:12 07:44-08:28/44 19:16	07:18 16:55 16:55	08:27 09:22-09:47/25 15:51 09:49-10:20/31	09:06 12:15-12:36/21 11:40-11:57/17 15:38 10:08-10:53/25 10:07-10:27/20
26	05:03 21:54	06:08 07:16-07:35/19 20:40 06:44-07:07/23	07:14 07:44-08:29/45 19:14	07:20 16:53 16:53	08:29 09:24-09:47/23 09:50-10:21/31 15:50 10:24-10:33/9	09:07 12:16-12:36/20 11:40-11:57/17 15:39 10:07-10:53/46
27	05:05 21:52	06:10 07:15-07:36/21 20:37 06:46-07:05/19	07:16 07:46-08:31/45 19:11	07:22 16:50 16:50	08:31 09:24-09:46/22 09:50-10:21/31 15:48 10:23-10:35/12	09:07 12:16-12:36/20 11:41-11:57/16 15:40 10:07-10:54/47
28	05:07 21:50	06:12 07:13-07:37/24 20:34 06:48-07:03/15	07:18 07:48-08:32/44 19:08	07:24 16:48 16:48	08:33 09:25-09:46/21 15:47 09:51-10:36/45	09:07 12:17-12:37/20 11:42-11:58/16 15:41 10:08-10:54/46
29	05:09 21:48	06:15 07:12-07:37/25 20:32 06:50-07:01/11	07:20 07:56-08:32/36 19:05	07:27 16:45 16:45	08:35 09:26-09:45/19 15:46 09:51-10:37/46	09:07 12:18-12:37/19 11:43-11:58/15 15:42 10:08-10:55/47
30	05:11 21:46	06:17 07:12-07:38/26 20:29	07:22 07:57-08:33/36 19:02	07:29 08:52-09:02/10 16:43	08:37 09:28-09:46/18 15:45 09:52-10:39/47	09:07 12:19-12:38/19 11:44-11:58/14 15:43 10:09-10:55/46
31	05:13 21:44	06:19 07:11-07:38/27 20:26		07:31 08:49-09:04/15 16:40		09:07 12:19-12:37/18 11:44-11:58/14 15:44 10:08-10:55/47
Potential sun hours	538	474	386	321	241	207
Sum of minutes with flicker	0	877	954	350	1572	2313

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 5 - Z4

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:07 15:46	08:27 16:46	07:20 07:51-08:06/15 17:52	06:54 07:58-08:11/13 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:25 08:25-08:45/20 19:00 07:58-08:09/11	07:34 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 07:49-08:07/18 17:54	06:51 08:02-08:06/4 20:03	05:31 21:10	04:32 22:10	04:27 22:26	05:17 21:39	06:23 20:21	07:27 08:23-08:45/22 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 07:47-08:08/21 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 08:23-08:46/23 18:54	07:38 16:33	08:43 15:41
4	09:05 15:50	08:21 16:53	07:12 07:47-08:09/22 17:59	06:46 20:08	05:27 21:14	04:30 22:13	04:29 22:24	05:21 21:35	06:27 20:15	07:31 08:22-08:46/24 18:51	07:41 16:31	08:44 15:40
5	09:05 15:51	08:19 16:56	07:09 07:46-08:10/24 18:01	06:43 20:10	05:24 21:16	04:28 22:14	04:30 22:24	05:24 21:32	06:30 20:12	07:33 08:21-08:46/25 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 07:45-08:10/25 18:03	06:40 20:12	05:22 21:18	04:27 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 08:20-08:46/26 18:46	07:45 16:27	08:48 15:39
7	09:04 15:54	08:14 17:00	07:03 07:44-08:09/25 18:06	06:37 20:14	05:20 21:21	04:27 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:38 08:21-08:46/25 18:43	07:47 16:24	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 07:44-08:09/25 18:08	06:34 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:26	06:36 20:04	07:40 08:21-08:45/24 18:40	07:50 16:22	08:51 15:38
9	09:02 15:58	08:10 17:05	06:58 07:45-08:09/24 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 08:21-08:44/23 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 08:39-08:44/5 17:07	06:55 07:45-08:09/24 18:12	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 07:56-07:58/2 19:58	07:44 08:21-08:43/22 18:35	07:54 16:18	08:54 15:36
11	09:00 16:01	08:05 08:35-08:47/12 17:10	06:52 07:45-08:07/22 18:15	06:26 20:23	05:10 21:29	04:24 22:21	04:38 22:18	05:36 21:18	06:42 07:51-08:03/12 19:56	07:46 08:22-08:42/20 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 08:34-08:49/15 17:12	06:50 07:45-08:06/21 18:17	06:23 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 07:48-08:05/17 19:53	07:48 08:23-08:40/17 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 08:32-08:50/18 17:15	06:47 07:46-08:04/18 18:19	06:21 20:28	05:06 21:33	04:22 22:23	04:41 22:15	05:40 21:13	06:46 07:46-08:06/20 19:50	07:51 08:25-08:38/13 18:27	08:01 16:12	08:57 15:35
14	08:57 16:07	07:58 08:31-08:51/20 17:17	06:44 07:48-08:03/15 18:21	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:49 07:45-08:07/22 19:47	07:53 08:29-08:35/6 18:24	08:03 16:10	08:59 15:35
15	08:56 16:09	07:56 08:31-08:52/21 17:19	06:41 07:51-08:00/9 18:24	06:15 20:32	05:02 21:38	04:22 22:25	04:44 22:12	05:45 21:08	06:51 07:44-08:13/29 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 08:30-08:52/22 17:22	06:39 07:11-07:34/23 18:26	06:13 20:34	05:00 21:40	04:21 22:25	04:45 22:11	05:47 21:06	06:53 07:43-08:15/32 19:42	07:57 18:19	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 08:31-08:53/22 17:24	06:36 07:10-07:35/25 18:28	06:10 20:36	04:58 21:42	04:21 22:26	04:47 22:09	05:49 21:03	06:55 07:43-08:17/34 19:39	08:00 09:07-09:18/11 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 08:30-08:53/23 17:26	06:33 07:03-07:35/32 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 07:42-08:18/36 19:36	08:02 09:05-09:19/14 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:46 08:30-08:52/22 17:29	06:30 07:00-07:34/34 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 07:42-08:18/36 19:33	08:04 09:03-09:20/17 18:11	08:15 16:01	09:03 15:36
20	08:49 16:19	07:43 08:31-08:52/21 17:31	06:27 06:59-07:35/36 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:55 20:56	07:01 07:42-08:18/36 19:30	08:06 09:02-09:22/20 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:41 08:31-08:51/20 17:33	06:25 06:58-07:34/36 18:37	05:59 20:45	04:50 21:50	04:21 22:27	04:54 22:03	05:58 20:53	07:03 07:42-08:19/37 19:28	08:09 09:01-09:22/21 18:05	08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 08:31-08:50/19 17:36	06:22 06:56-07:33/37 18:39	05:57 20:48	04:48 21:51	04:21 22:28	04:56 22:01	06:00 20:50	07:05 07:42-08:19/37 19:25	08:11 09:01-09:23/22 18:03	08:21 15:56	09:05 15:37
23	08:44 16:26	07:35 08:32-08:49/17 17:38	06:19 06:55-07:32/37 18:41	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:08 07:43-08:18/35 19:22	08:13 09:00-09:22/22 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 08:34-08:48/14 17:40	06:16 06:54-07:31/37 18:44	05:52 20:52	04:45 21:55	04:22 22:28	04:59 21:58	06:04 20:45	07:10 07:43-08:18/35 19:19	08:15 09:00-09:23/23 17:58	08:25 15:52	09:06 15:38
25	08:41 16:30	07:30 08:36-08:45/9 17:43	06:13 06:54-07:30/36 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:42	07:12 07:45-08:17/32 19:16	07:18 08:00-08:22/22 16:55	08:27 15:51	09:06 15:38
26	08:39 16:32	07:28 17:45	06:11 06:54-07:29/35 18:48	05:46 20:56	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 07:48-08:17/29 19:14	07:20 08:01-08:22/21 16:53	08:29 15:50	09:07 15:39
27	08:37 16:35	07:25 17:47	06:08 06:54-07:27/33 18:50	05:44 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 07:53-08:17/24 19:11	07:22 08:01-08:21/20 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 07:54-08:04/10 17:50	06:05 06:54-07:24/30 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:13 20:34	07:18 08:34-08:38/4 19:08	07:24 08:02-08:21/19 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 07:54-08:16/22 19:55	05:39 21:03	04:37 22:04	04:25 22:27	05:09 21:48	06:15 20:32	07:20 08:29-08:42/13 19:05	07:27 08:02-08:19/17 16:45	08:35 15:46	09:07 15:42
30	08:31 16:41		06:59 07:56-08:16/20 19:57	05:36 21:05	04:36 22:06	04:25 22:27	05:11 21:46	06:17 20:29	07:22 08:27-08:44/17 19:02	07:29 08:04-08:18/14 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 07:57-08:14/17 19:59		04:34 22:07		05:13 21:44	06:19 20:26		07:31 08:05-08:16/11 16:41		15:44 207
Potential sun hours	122	262	365	429	515	539	538	474	386	321	241	0
Sum of minutes with flicker	0	290	859	17	0	0	0	0	595	575	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 6 - Z5

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:25 18:59	07:34 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:10	04:32 22:10	04:27 22:25	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	09:05 15:50	08:21 16:53	07:11 17:59	06:45 20:08	05:27 21:14	04:29 22:13	04:29 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:40
5	09:05 15:51	08:19 16:56	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:14	04:30 22:23	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:27 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:19 21:21	04:27 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:34 20:17	05:17 21:23	04:26 22:18	04:34 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37
9	09:02 15:58	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:35	07:54 16:18	08:53 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:24 22:21	04:38 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:51 18:27	08:01 16:12	08:57 15:35
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:48 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:56 16:09	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:37	04:22 22:25	04:44 22:12	05:45 21:08	06:51 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:18	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:36	04:58 21:42	04:21 22:26	04:47 22:09	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:01 15:35
18	08:52 16:15	07:48 17:26	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:35
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:40 17:33	06:25 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:57 20:53	07:03 19:28	08:08 18:05	08:19 15:57	09:04 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	05:57 20:47	04:48 21:51	04:21 22:28	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:22 22:28	04:58 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:40	06:16 18:44	05:51 20:52	04:45 21:55	04:22 22:28	04:59 21:57	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:52	09:06 15:38
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:38
26	08:39 16:32	07:27 17:45	06:11 18:48	05:46 20:56	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 19:13	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:00	04:23 22:27	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:39 22:02	04:24 22:27	05:07 21:50	06:12 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:24 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:41		06:59 19:57	05:36 21:05	04:36 22:06	04:25 22:26	05:11 21:46	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:45	09:07 15:43
31	08:29 16:44		06:57 19:59		04:34 22:07		05:13 21:43	06:19 20:26		07:31 16:40		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Sum of minutes with flicker	0	0	0	0	0	0	0	0	0	0	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 7 - Z6

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 15:46	08:27 16:46	07:20 17:52	06:54 20:01	05:34 21:07	04:33 22:09	04:26 22:26	05:15 21:41	06:21 20:23	07:25 18:59	07:34 16:38	08:39 15:43
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 20:03	05:31 21:10	04:32 22:10	04:27 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	09:06 15:48	08:23 16:51	07:14 17:57	06:48 20:06	05:29 21:12	04:31 22:12	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	09:05 15:50	08:21 16:53	07:11 17:59	06:45 20:08	05:26 21:14	04:29 22:13	04:29 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:40
5	09:05 15:51	08:19 16:55	07:09 18:01	06:43 20:10	05:24 21:16	04:28 22:14	04:30 22:23	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:40
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 20:12	05:22 21:18	04:27 22:16	04:31 22:23	05:26 21:30	06:32 20:10	07:35 18:46	07:45 16:27	08:48 15:39
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 20:14	05:19 21:21	04:26 22:17	04:32 22:22	05:28 21:28	06:34 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	09:03 15:56	08:12 17:03	07:01 18:08	06:34 20:17	05:17 21:23	04:26 22:18	04:33 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37
9	09:02 15:57	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:20	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:35	07:54 16:18	08:54 15:36
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:23 22:21	04:37 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	08:59 16:03	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:23 22:22	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:36
13	08:58 16:05	08:00 17:15	06:47 18:19	06:21 20:28	05:06 21:33	04:22 22:23	04:40 22:15	05:40 21:13	06:46 19:50	07:51 18:27	08:01 16:12	08:57 15:35
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24	04:42 22:14	05:43 21:11	06:48 19:47	07:53 18:24	08:03 16:10	08:58 15:35
15	08:56 16:09	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:38	04:22 22:25	04:44 22:12	05:45 21:08	06:51 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	08:54 16:11	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:21 22:25	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:18	08:08 16:06	09:01 15:35
17	08:53 16:13	07:51 17:24	06:36 18:28	06:10 20:36	04:58 21:42	04:21 22:26	04:47 22:09	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:02 15:35
18	08:52 16:15	07:48 17:26	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26	04:49 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	08:50 16:17	07:46 17:29	06:30 18:33	06:05 20:41	04:54 21:46	04:21 22:27	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:01	09:03 15:35
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	08:47 16:21	07:40 17:33	06:25 18:37	05:59 20:45	04:50 21:49	04:21 22:27	04:54 22:03	05:57 20:53	07:03 19:28	08:08 18:05	08:19 15:57	09:05 15:36
22	08:46 16:23	07:38 17:36	06:22 18:39	05:57 20:48	04:48 21:51	04:21 22:28	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:56	09:05 15:37
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 20:50	04:47 21:53	04:21 22:28	04:57 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	08:42 16:28	07:33 17:40	06:16 18:44	05:51 20:52	04:45 21:55	04:22 22:28	04:59 21:57	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:52	09:06 15:38
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28	05:01 21:56	06:06 20:42	07:12 19:16	07:18 16:55	08:27 15:51	09:06 15:38
26	08:39 16:32	07:27 17:45	06:11 18:48	05:46 20:56	04:42 21:59	04:23 22:28	05:03 21:54	06:08 20:40	07:14 19:13	07:20 16:53	08:29 15:50	09:07 15:39
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 20:59	04:40 22:01	04:23 22:28	05:05 21:52	06:10 20:37	07:16 19:11	07:22 16:50	08:31 15:48	09:07 15:40
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 21:01	04:38 22:02	04:24 22:27	05:07 21:50	06:12 20:34	07:18 19:08	07:24 16:48	08:33 15:47	09:07 15:41
29	08:33 16:39		07:02 19:55	05:39 21:03	04:37 22:04	04:24 22:27	05:09 21:48	06:15 20:32	07:20 19:05	07:27 16:45	08:35 15:46	09:07 15:42
30	08:31 16:41		06:59 19:57	05:36 21:05	04:36 22:06	04:25 22:27	05:11 21:46	06:17 20:29	07:22 19:02	07:29 16:43	08:37 15:44	09:07 15:43
31	08:29 16:44		06:57 19:59		04:34 22:07		05:13 21:43	06:19 20:26		07:31 16:40		09:07 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Sum of minutes with flicker	0	0	0	0	0	0	0	0	0	0	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 8 - Z9

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1	09:06 15:46	08:27 16:46	07:19 17:52	06:54 19:22-19:32/10 20:01 17:50-18:34/44	05:34 19:48-20:17/29 21:07 18:48-19:11/23	04:33 22:08
2	09:06 15:47	08:25 16:48	07:17 17:54	06:51 19:20-19:34/14 20:03 17:51-18:33/42	05:31 19:47-20:16/29 21:09 18:50-19:08/18	04:32 22:10
3	09:06 15:48	08:23 16:51	07:14 17:56	06:48 19:18-19:36/18 20:05 17:51-18:31/40	05:29 19:48-20:15/27 21:12 18:54-19:04/10	04:31 22:11
4	09:05 15:50	08:21 16:53	07:11 17:59	06:45 18:50-19:37/47 20:08 17:52-18:30/38	05:26 19:48-20:15/27 21:14 22:13	04:29 22:13
5	09:05 15:51	08:18 16:55	07:09 18:01	06:43 18:49-19:38/49 20:10 17:53-18:29/36	05:24 19:49-20:15/26 21:16 22:14	04:28 22:14
6	09:04 15:53	08:16 16:58	07:06 18:03	06:40 18:47-19:38/51 20:12 17:54-18:27/33	05:22 19:50-20:14/24 21:18 22:15	04:27 21:28-21:33/5 22:15
7	09:03 15:54	08:14 17:00	07:03 18:06	06:37 18:45-19:37/52 20:14 17:56-18:25/29	05:19 19:50-20:12/22 21:20 22:17	04:26 21:26-21:34/8 22:17
8	09:03 15:56	08:12 17:03	07:00 18:08	06:34 18:43-19:37/54 20:16 17:58-18:22/24	05:17 19:51-20:11/20 21:23 22:18	04:26 21:26-21:36/10 22:18
9	09:02 15:57	08:10 17:05	06:58 18:10	06:32 18:43-19:36/53 20:19 18:01-18:20/19	05:15 19:52-20:10/18 21:25 22:19	04:25 21:25-21:37/12 22:19
10	09:01 15:59	08:07 17:07	06:55 18:12	06:29 18:41-19:35/54 20:21 18:05-18:15/10	05:13 19:54-20:08/14 21:27 22:20	04:24 21:25-21:38/13 22:20
11	09:00 16:01	08:05 17:10	06:52 18:15	06:26 18:40-19:34/54 20:23 22:23	05:10 19:56-20:06/10 21:29 22:21	04:23 21:24-21:38/14 22:21
12	08:59 16:03	08:03 17:12	06:50 18:17	06:23 18:40-19:33/53 20:25 22:25	05:08 22:22	04:23 05:08-05:11/3 22:22
13	08:58 16:05	08:00 17:14	06:47 18:19	06:21 18:39-19:30/51 20:27 22:27	05:06 22:23	04:22 05:07-05:13/6 22:23
14	08:57 16:07	07:58 17:17	06:44 18:21	06:18 18:38-19:24/46 20:30 22:29	05:04 22:24	04:22 05:06-05:13/7 22:24
15	08:55 16:09	07:55 17:19	06:41 18:24	06:15 18:38-19:25/47 20:32 22:31	05:02 22:25	04:22 05:05-05:14/9 22:24
16	08:54 16:11	07:53 17:22	06:38 18:26	06:12 18:38-19:24/46 20:34 22:33	05:00 22:26	04:21 05:05-05:15/10 22:25
17	08:53 16:13	07:50 17:24	06:36 18:28	06:10 18:38-19:25/47 20:36 22:35	04:58 22:27	04:21 05:05-05:16/11 22:26
18	08:51 16:15	07:48 17:26	06:33 18:30	06:07 18:38-19:24/46 20:39 22:37	04:56 22:28	04:21 05:05-05:16/11 22:26
19	08:50 16:17	07:45 17:29	06:30 18:32	06:04 18:38-19:24/46 20:41 22:39	04:54 22:29	04:21 05:05-05:17/12 22:27
20	08:49 16:19	07:43 17:31	06:27 18:35	06:02 19:58-20:10/12 20:43 18:38-19:23/45	04:52 22:30	04:21 05:05-05:17/12 22:27
21	08:47 16:21	07:40 17:33	06:24 18:37	05:59 19:56-20:12/16 20:45 18:39-19:23/44	04:50 22:31	04:21 05:05-05:17/12 22:27
22	08:45 16:23	07:38 17:36	06:22 18:39	05:57 19:53-20:13/20 20:47 18:38-19:22/44	04:48 22:32	04:21 05:05-05:17/12 22:27
23	08:44 16:25	07:35 17:38	06:19 18:41	05:54 19:52-20:15/23 20:50 18:39-19:21/42	04:47 22:33	04:21 05:06-05:18/12 22:28
24	08:42 16:28	07:33 17:40	06:16 18:43	05:51 19:51-20:15/24 20:52 18:39-19:20/41	04:45 22:34	04:22 05:06-05:17/11 22:28
25	08:40 16:30	07:30 17:43	06:13 18:46	05:49 19:50-20:16/26 20:54 18:40-19:20/40	04:43 22:35	04:22 05:07-05:18/11 22:28
26	08:39 16:32	07:27 17:45	06:10 18:48	05:46 19:49-20:16/27 20:56 18:41-19:18/37	04:42 22:36	04:23 05:07-05:17/10 22:27
27	08:37 16:34	07:25 17:47	06:08 18:50	05:44 19:49-20:17/28 20:58 18:42-19:17/35	04:40 22:37	04:23 05:08-05:18/10 22:27
28	08:35 16:37	07:22 17:50	06:05 18:52	05:41 19:49-20:17/28 21:01 18:43-19:16/33	04:38 22:38	04:24 05:08-05:17/9 22:27
29	08:33 16:39		07:02 19:54	05:39 19:48-20:16/28 21:03 18:44-19:14/30	04:37 22:39	04:24 05:10-05:16/6 22:27
30	08:31 16:41		06:59 19:57	05:36 19:48-20:17/29 21:05 18:46-19:13/27	04:36 22:40	04:25 05:10-05:15/5 22:26
31	08:29 16:44		06:56 19:59	19:23-19:29/6 17:49-18:34/45	04:34 22:41	21:27-21:43/16
Potential sun hours	227	262	365	429	515	539
Sum of minutes with flicker	0	0	816	1882	297	585

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 8 - Z9

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time
 0 1 Sum
 4 076 4 076 8 152

	July		August		September		October		November		December
1	04:26	21:28-21:43/15	05:15	20:09-20:15/6	06:21	18:40-19:33/53	07:24	17:47-18:07/20	07:33	08:39	
	22:26		21:41		20:23		18:59		16:38	15:43	
2	04:27	21:29-21:43/14	05:17	20:05-20:17/12	06:23	18:40-19:34/54	07:27	17:51-18:01/10	07:36	08:41	
	22:25		21:39		20:21	18:04-18:14/10	18:57		16:36	15:42	
3	04:28	21:30-21:42/12	05:19	20:03-20:19/16	06:25	18:41-19:34/53	07:29		07:38	08:42	
	22:25		21:37		20:18	17:59-18:18/19	18:54		16:33	15:41	
4	04:29	21:31-21:42/11	05:21	20:02-20:21/19	06:27	18:41-19:35/54	07:31		07:40	08:44	
	22:24		21:35		20:15	17:56-18:20/24	18:51		16:31	15:40	
5	04:30	21:32-21:41/9	05:23	20:01-20:22/21	06:29	18:42-19:34/52	07:33		07:43	08:46	
	22:23		21:32		20:12	17:53-18:22/29	18:48		16:29	15:40	
6	04:31	21:33-21:40/7	05:26	20:00-20:23/23	06:31	18:43-19:34/51	07:35		07:45	08:47	
	22:22		21:30		20:09	17:51-18:23/32	18:45		16:26	15:39	
7	04:32		05:28	19:59-20:23/24	06:34	18:44-19:33/49	07:37		07:47	08:49	
	22:22		21:28		20:07	17:49-18:24/35	18:43		16:24	15:38	
8	04:33		05:30	19:58-20:24/26	06:36	18:45-19:33/48	07:40		07:50	08:50	
	22:21		21:25		20:04	17:47-18:25/38	18:40		16:22	15:37	
9	04:35		05:32	19:58-20:24/26	06:38	19:12-19:30/18 18:47-19:11/24	07:42		07:52	08:52	
	22:20		21:23		20:01	17:45-18:26/41	18:37		16:20	15:37	
10	04:36		05:34	19:57-20:25/28	06:40	19:13-19:27/14 18:49-19:08/19	07:44		07:54	08:53	
	22:19		21:21	19:02-19:15/13	19:58	17:44-18:26/42	18:35		16:18	15:36	
11	04:37		05:36	19:57-20:25/28	06:42	19:14-19:25/11 18:53-19:03/10	07:46		07:56	08:55	
	22:17		21:18	18:59-19:18/19	19:56	17:43-18:26/43	18:32		16:16	15:36	
12	04:39		05:38	19:56-20:25/29	06:44	19:15-19:22/7	07:48		07:59	08:56	
	22:16		21:16	18:56-19:20/24	19:53	17:42-18:26/44	18:29		16:14	15:36	
13	04:40		05:40	19:56-20:25/29	06:46	17:41-18:26/45	07:50		08:01	08:57	
	22:15		21:13	18:54-19:21/27	19:50		18:26		16:12	15:35	
14	04:42		05:42	19:56-20:25/29	06:48	17:40-18:26/46	07:53		08:03	08:58	
	22:14		21:11	18:52-19:23/31	19:47		18:24		16:10	15:35	
15	04:44		05:45	19:56-20:24/28	06:50	17:39-18:26/47	07:55		08:06	08:59	
	22:12		21:08	18:51-19:24/33	19:44		18:21		16:08	15:35	
16	04:45		05:47	19:55-20:23/28	06:53	17:38-18:26/48	07:57		08:08	09:00	
	22:11		21:06	18:49-19:25/36	19:41		18:18		16:06	15:35	
17	04:47		05:49	19:56-20:22/26	06:55	17:38-18:26/48	07:59		08:10	09:01	
	22:09		21:03	18:48-19:26/38	19:39		18:16		16:04	15:35	
18	04:48		05:51	19:56-20:22/26	06:57	17:37-18:25/48	08:02		08:12	09:02	
	22:08		21:01	18:46-19:25/39	19:36		18:13		16:02	15:35	
19	04:50		05:53	19:57-20:21/24	06:59	17:37-18:24/47	08:04		08:14	09:03	
	22:06		20:58	18:45-19:26/41	19:33		18:10		16:00	15:35	
20	04:52		05:55	19:57-20:19/22	07:01	17:37-18:24/47	08:06		08:17	09:04	
	22:04		20:55	18:44-19:26/42	19:30		18:08		15:59	15:36	
21	04:54		05:57	19:58-20:18/20	07:03	17:38-18:24/46	08:08		08:19	09:04	
	22:03		20:53	18:43-19:26/43	19:27		18:05		15:57	15:36	
22	04:56		06:00	20:00-20:16/16	07:05	17:38-18:23/45	08:11		08:21	09:05	
	22:01		20:50	18:42-19:27/45	19:25		18:03		15:55	15:36	
23	04:57		06:02	20:02-20:13/11	07:07	17:38-18:22/44	08:13		08:23	09:05	
	21:59		20:48	18:41-19:27/46	19:22		18:00		15:54	15:37	
24	04:59		06:04	18:41-19:27/46	07:09	17:38-18:21/43	08:15		08:25	09:06	
	21:57		20:45		19:19		17:58		15:52	15:38	
25	05:01		06:06	18:40-19:27/47	07:12	17:38-18:19/41	07:17		08:27	09:06	
	21:55		20:42		19:16		16:55		15:51	15:38	
26	05:03		06:08	18:40-19:26/46	07:14	17:39-18:18/39	07:20		08:29	09:06	
	21:53		20:40		19:13		16:53		15:49	15:39	
27	05:05		06:10	18:40-19:26/46	07:16	17:40-18:16/36	07:22		08:31	09:07	
	21:52		20:37		19:11		16:50		15:48	15:40	
28	05:07		06:12	18:40-19:27/47	07:18	17:41-18:14/33	07:24		08:33	09:07	
	21:50		20:34		19:08		16:48		15:47	15:41	
29	05:09		06:14	18:40-19:26/46	07:20	17:43-18:13/30	07:27		08:35	09:07	
	21:47		20:31		19:05		16:45		15:46	15:42	
30	05:11		06:17	18:40-19:30/50	07:22	17:45-18:10/25	07:29		08:37	09:07	
	21:45		20:29		19:02		16:43		15:44	15:43	
31	05:13		06:19	18:40-19:32/52			07:31			09:07	
	21:43		20:26				16:40			15:44	
Potential sun hours	538		474		386		321		241	207	
Sum of minutes with flicker	68		1374		1632		30		0	0	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 9 - Z10

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1 09:06		08:27 15:09-15:51/42	07:19	06:54	05:34	04:33	04:26	05:15	06:21	07:24	07:33	08:39 14:51-14:59/8
15:45		16:46	17:52	20:01	21:07	22:09	22:26	21:41	20:23	18:59	16:38	15:43
2 09:06		08:25 15:11-15:51/40	07:17	06:51	05:31	04:32	04:27	05:17	06:23	07:27	07:36 15:05-15:15/10	08:41 14:54-14:57/3
15:47		16:48	17:54	20:03	21:09	22:10	22:25	21:39	20:21	18:57	16:36	15:42
3 09:06		08:23 15:13-15:52/39	07:14	06:48	05:29	04:30	04:28	05:19	06:25	07:29	07:38 15:02-15:16/14	08:42
15:48		16:51	17:56	20:05	21:12	22:12	22:25	21:37	20:18	18:54	16:33	15:41
4 09:05		08:21 15:28-15:51/23	07:11	06:45	05:26	04:29	04:29	05:21	06:27	07:31	07:40 15:01-15:18/17	08:44
15:49		16:53 15:14-15:27/13	17:59	20:08	21:14	22:13	22:24	21:35	20:15	18:51	16:31	15:40
5 09:05		08:18 15:29-15:51/22	07:09	06:43	05:24	04:28	04:30	05:23	06:29	07:33	07:43 15:00-15:20/20	08:46
15:51		16:55 15:18-15:24/6	18:01	20:10	21:16	22:14	22:23	21:32	20:12	18:48	16:29	15:39
6 09:04		08:16 15:30-15:49/19	07:06	06:40	05:22	04:27	04:31	05:25	06:31	07:35	07:45 14:59-15:20/21	08:47
15:52		16:58	18:03	20:12	21:18	22:16	22:23	21:30	20:09	18:45	16:26 14:47-14:54/7	15:39
7 09:03		08:14 15:32-15:49/17	07:03	06:37	05:19	04:26	04:32	05:28	06:34	07:37	07:47 14:59-15:21/22	08:49
15:54		17:00	18:06	20:14	21:20	22:17	22:22	21:28	20:07	18:43	16:24 14:45-14:57/12	15:38
8 09:03		08:12 15:33-15:47/14	07:00	06:34	05:17	04:26	04:33	05:30	06:36	07:40	07:50 14:42-15:21/39	08:51
15:56		17:03	18:08	20:16	21:23	22:18	22:21	21:25	20:04	18:40	16:22	15:37
9 09:02		08:10 15:36-15:45/9	06:58	06:32	05:15	04:25	04:35	05:32	06:38	07:42	07:52 14:42-15:22/40	08:52
15:57		17:05	18:10	20:19	21:25	22:19	22:20	21:23	20:01	18:37	16:20	15:37
10 09:01 15:13-15:15/2		08:07	06:55	06:29	05:13	04:24	04:36	05:34	06:40	07:44	07:54 14:40-15:22/42	08:53
15:59		17:07	18:12	20:21	21:27	22:20	22:19	21:21	19:58	18:35	16:18	15:36
11 09:00 15:09-15:17/8		08:05	06:52	06:26	05:10	04:23	04:37	05:36	06:42	07:46	07:56 14:40-15:23/43	08:55
16:01		17:10	18:15	20:23	21:29	22:21	22:17	21:18	19:56	18:32	16:16	15:36
12 08:59 15:08-15:19/11		08:03	06:50	06:23	05:08	04:23	04:39	05:38	06:44	07:48	07:59 14:40-15:23/43	08:56
16:03		17:12	18:17	20:25	21:31	22:22	22:16	21:16	19:53	18:29	16:14	15:36
13 08:58 15:08-15:22/14		08:00	06:47	06:21	05:06	04:22	04:40	05:40	06:46	07:50	08:01 14:39-15:23/44	08:57
16:05		17:14	18:19	20:27	21:33	22:23	22:15	21:13	19:50	18:26	16:12	15:35
14 08:57 15:07-15:23/16		07:58	06:44	06:18	05:04	04:22	04:42	05:42	06:48	07:53	08:03 14:39-15:23/44	08:58
16:07		17:17	18:21	20:30	21:35	22:24	22:14	21:11	19:47	18:24	16:10	15:35
15 08:55 15:06-15:24/18		07:55	06:41	06:15	05:02	04:22	04:43	05:45	06:50	07:55	08:06 14:39-15:22/43	08:59
16:09		17:19	18:24	20:32	21:37	22:24	22:12	21:08	19:44	18:21	16:08	15:35
16 08:54 15:06-15:26/20		07:53	06:38	06:12	05:00	04:21	04:45	05:47	06:53	07:57	08:08 14:39-15:22/43	09:00
16:11		17:21	18:26	20:34	21:39	22:25	22:11	21:06	19:41	18:18	16:06	15:35
17 08:53 15:06-15:26/20		07:50	06:36	06:10	04:58	04:21	04:47	05:49	06:55	07:59	08:10 14:39-15:21/42	09:01
16:13		17:24	18:28	20:36	21:41	22:26	22:09	21:03	19:39	18:16	16:04	15:35
18 08:51 15:05-15:27/22		07:48	06:33	06:07	04:56	04:21	04:48	05:51	06:57	08:02	08:12 14:39-15:21/42	09:02
16:15		17:26	18:30	20:39	21:43	22:26	22:08	21:01	19:36	18:13	16:02	15:35
19 08:50 15:35-15:36/1		07:45	06:30	06:04	04:54	04:21	04:50	05:53	06:59	08:04	08:14 14:39-15:20/41	09:03
16:17 15:06-15:29/23		17:29	18:32	20:41	21:45	22:27	22:06	20:58	19:33	18:10	16:00	15:35
20 08:49 15:32-15:38/6		07:43	06:27	06:02	04:52	04:21	04:52	05:55	07:01	08:06	08:17 14:40-15:18/38	09:04
16:19 15:05-15:29/24		17:31	18:35	20:43	21:47	22:27	22:04	20:55	19:30	18:08	15:59	15:36
21 08:47 15:05-15:41/36		07:40	06:24	05:59	04:50	04:21	04:54	05:57	07:03	08:08	08:19 14:40-15:16/36	09:04
16:21		17:33	18:37	20:45	21:49	22:27	22:03	20:53	19:27	18:05	15:57	15:36
22 08:45 15:05-15:43/38		07:38	06:22	05:57	04:48	04:21	04:56	06:00	07:05	08:11	08:21 15:08-15:15/7	09:05
16:23		17:36	18:39	20:47	21:51	22:27	22:01	20:50	19:25	18:03	15:55 14:42-15:05/23	15:36
23 08:44 15:05-15:46/41		07:35	06:19	05:54	04:46	04:21	04:57	06:02	07:07	08:13	08:23 15:11-15:12/11	09:05
16:25		17:38	18:41	20:50	21:53	22:28	21:59	20:48	19:22	18:00	15:54 14:42-15:05/23	15:37
24 08:42 15:06-15:47/41		07:33	06:16	05:51	04:45	04:22	04:59	06:04	07:09	08:15	08:25 14:43-15:05/22	09:06
16:28		17:40	18:43	20:52	21:55	22:28	21:57	20:45	19:19	17:58	15:52	15:38
25 08:40 15:06-15:48/42		07:30	06:13	05:49	04:43	04:22	05:01	06:06	07:12	07:17	08:27 14:44-15:05/21	09:06
16:30		17:43	18:46	20:54	21:57	22:28	21:55	20:42	19:16	16:55	15:51	15:38
26 08:39 15:06-15:49/43		07:27	06:10	05:46	04:41	04:23	05:03	06:08	07:14	07:20	08:29 14:44-15:04/20	09:06
16:32		17:45	18:48	20:56	21:59	22:28	21:54	20:40	19:13	16:53	15:49	15:39
27 08:37 15:07-15:50/43		07:25	06:08	05:44	04:40	04:23	05:05	06:10	07:16	07:22	08:31 14:46-15:04/18	09:07
16:34		17:47	18:50	20:58	22:00	22:27	21:52	20:37	19:11	16:50	15:48	15:40
28 08:35 15:06-15:50/44		07:22	06:05	05:41	04:38	04:24	05:07	06:12	07:18	07:24	08:33 14:47-15:03/16	09:07
16:37		17:50	18:52	21:01	22:02	22:27	21:50	20:34	19:08	16:48	15:47	15:41
29 08:33 15:07-15:51/44			07:02	05:39	04:37	04:24	05:09	06:14	07:20	07:27	08:35 14:48-15:02/14	09:07
16:39			19:54	21:03	22:04	22:27	21:48	20:31	19:05	16:45	15:46	15:42
30 08:31 15:08-15:51/43			06:59	05:36	04:35	04:25	05:11	06:17	07:22	07:29	08:37 14:50-15:01/11	09:07
16:41			19:57	21:05	22:05	22:26	21:45	20:29	19:02	16:43	15:44	15:43
31 08:29 15:09-15:52/43			06:56		04:34		05:13	06:19		07:31		09:07
16:44			19:59		22:07		21:43	20:26		16:40		15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Sum of minutes with flicker	643	244	0	0	0	0	0	0	0	0	879	11

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 10 - Z12

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1	09:07 11:46-14:09/143 15:45	08:27 12:01-12:38/37 16:46 12:52-13:07/15	07:20 08:05-08:33/28 17:52	06:54 20:01	05:34 21:07	04:33 22:09
2	09:06 11:47-14:10/143 15:47	08:25 12:02-12:37/35 16:48 12:58-13:00/2	07:17 08:05-08:32/27 17:54	06:51 20:03	05:31 21:10	04:32 22:10
3	09:06 11:47-13:11/84 15:48 13:12-14:10/58	08:23 12:04-12:36/32 16:51	07:14 08:06-08:31/25 17:56	06:48 20:06	05:29 21:12	04:30 22:12
4	09:05 11:47-13:11/84 09:47-09:51/4 15:49 13:12-14:10/58	08:21 12:05-12:34/29 16:53	07:11 08:08-08:31/23 17:59	06:45 20:08	05:26 21:14	04:29 22:13
5	09:05 11:47-14:11/144 15:51 09:47-09:55/8	08:19 12:08-12:32/24 16:55	07:09 08:10-08:29/19 18:01	06:43 20:10	05:24 21:16	04:28 22:14
6	09:04 11:49-14:12/143 15:52 09:46-09:56/10	08:16 12:11-12:30/19 16:58	07:06 08:12-08:27/15 18:03	06:40 20:12	05:22 21:18	04:27 22:16
7	09:04 11:49-14:12/143 15:54 09:45-09:58/13	08:14 12:16-12:24/8 17:00	07:03 08:15-08:23/8 18:06	06:37 20:14	05:19 21:21	04:26 22:17
8	09:03 11:48-13:13/85 09:45-09:59/14 15:56 13:14-14:12/58	08:12 17:03	07:01 18:08	06:34 20:17	05:17 21:23	04:25 22:18
9	09:02 11:49-14:12/143 15:57 09:44-09:59/15	08:10 17:05	06:58 18:10	06:32 20:19	05:15 21:25	04:25 22:19
10	09:01 11:49-14:13/144 15:59 09:44-10:01/17	08:07 17:07	06:55 18:12	06:29 20:21	05:13 21:27	04:24 22:20
11	09:00 11:50-13:15/85 09:44-10:02/18 16:01 13:16-14:13/57	08:05 17:10	06:52 18:15	06:26 20:23	05:10 21:29	04:23 22:21
12	08:59 11:49-13:15/86 09:43-10:02/19 16:03 13:16-14:13/57	08:03 17:12	06:50 18:17	06:23 20:25	05:08 21:31	04:23 22:22
13	08:58 11:50-13:16/86 09:43-10:04/21 16:05 13:17-14:13/56	08:00 17:14	06:47 18:19	06:21 20:28	05:06 21:33	04:22 22:23
14	08:57 11:50-13:16/86 09:43-10:04/21 16:07 13:17-14:13/56	07:58 17:17	06:44 18:21	06:18 20:30	05:04 21:35	04:22 22:24
15	08:56 11:51-13:17/86 09:43-10:05/22 16:09 13:18-14:14/56	07:55 17:19	06:41 18:24	06:15 20:32	05:02 21:38	04:21 22:25
16	08:54 11:51-13:16/85 09:43-10:06/23 16:11 13:18-14:13/55	07:53 17:22	06:39 18:26	06:13 20:34	05:00 21:40	04:21 22:25
17	08:53 11:51-13:16/85 09:43-10:06/23 16:13 13:19-14:13/54	07:51 17:24	06:36 18:28	06:10 20:36	04:58 21:42	04:21 22:26
18	08:52 11:52-13:17/85 09:44-10:07/23 16:15 13:21-14:13/52	07:48 17:26	06:33 18:30	06:07 20:39	04:56 21:44	04:21 22:26
19	08:50 11:52-13:17/85 09:44-10:08/24 16:17 13:21-14:13/52	07:46 08:18-08:25/7 17:29	06:30 18:32	06:04 20:41	04:54 21:46	04:21 22:27
20	08:49 11:52-13:17/85 09:44-10:08/24 16:19 13:22-14:12/50	07:43 08:12-08:29/17 17:31	06:27 18:35	06:02 20:43	04:52 21:48	04:21 22:27
21	08:47 11:53-13:17/84 09:44-10:08/24 16:21 13:23-13:50/27 13:51-14:11/20	07:40 08:09-08:30/21 17:33	06:25 18:37	05:59 20:45	04:50 21:50	04:21 22:27
22	08:46 11:53-13:17/84 09:44-10:08/24 16:23 13:24-13:50/26 13:53-14:10/17	07:38 08:07-08:31/24 17:36	06:22 18:39	05:57 20:48	04:48 21:51	04:21 22:28
23	08:44 11:54-13:16/82 09:45-10:08/23 16:25 13:26-13:49/23 13:55-14:08/13	07:35 08:06-08:32/26 17:38	06:19 18:41	05:54 20:50	04:46 21:53	04:21 22:28
24	08:42 11:54-13:16/82 09:45-10:08/23 16:28 13:27-13:48/21 13:58-14:06/8	07:33 08:06-08:33/27 17:40	06:16 18:44	05:51 20:52	04:45 21:55	04:22 22:28
25	08:40 11:55-13:16/81 09:46-10:08/22 16:30 13:30-13:46/16	07:30 08:05-08:33/28 17:43	06:13 18:46	05:49 20:54	04:43 21:57	04:22 22:28
26	08:39 11:56-13:15/79 09:47-10:08/21 16:32 13:33-13:44/11	07:27 08:04-08:33/29 17:45	06:11 18:48	05:46 20:56	04:41 21:59	04:22 22:28
27	08:37 11:56-12:41/45 09:48-10:08/20 16:34 12:42-13:15/33	07:25 08:04-08:33/29 17:47	06:08 18:50	05:44 20:59	04:40 22:01	04:23 22:28
28	08:35 11:57-12:41/44 09:49-10:08/19 16:37 12:43-13:14/31	07:22 08:05-08:34/29 17:50	06:05 18:52	05:41 21:01	04:38 22:02	04:24 22:27
29	08:33 11:57-12:40/43 09:49-10:06/17 16:39 12:44-13:12/28		07:02 19:55	05:39 21:03	04:37 22:04	04:24 22:27
30	08:31 11:59-12:39/40 09:51-10:05/14 16:41 12:46-13:11/25		06:59 19:57	05:36 21:05	04:35 22:06	04:25 22:27
31	08:29 12:00-12:39/39 09:53-10:04/11 16:44 12:48-13:09/21		06:57 19:59		04:34 22:07	
Potential sun hours	227	262	365	429	515	539
Sum of minutes with flicker	4369	438	145	0	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 10 - Z12

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	July	August	September	October	November	December
1	04:26 22:26	05:15 21:41	06:21 20:23	07:24 18:59	07:34 16:38	08:39 15:43
2	04:27 22:26	05:17 21:39	06:23 20:21	07:27 18:57	07:36 16:36	08:41 15:42
3	04:28 22:25	05:19 21:37	06:25 20:18	07:29 18:54	07:38 16:33	08:43 15:41
4	04:29 22:24	05:21 21:35	06:27 20:15	07:31 18:51	07:41 16:31	08:44 15:40
5	04:30 22:24	05:23 21:32	06:29 20:12	07:33 18:48	07:43 16:29	08:46 15:39
6	04:31 22:23	05:25 21:30	06:31 20:10	07:35 18:46	07:45 16:26	08:48 15:39
7	04:32 22:22	05:28 21:28	06:34 20:07	07:37 18:43	07:47 16:24	08:49 15:38
8	04:33 22:21	05:30 21:25	06:36 20:04	07:40 18:40	07:50 16:22	08:51 15:37
9	04:35 22:20	05:32 21:23	06:38 20:01	07:42 18:37	07:52 16:20	08:52 15:37
10	04:36 22:19	05:34 21:21	06:40 19:58	07:44 18:35	07:54 16:18	08:54 15:36
11	04:37 22:18	05:36 21:18	06:42 19:56	07:46 18:32	07:57 16:16	08:55 15:36
12	04:39 22:16	05:38 21:16	06:44 19:53	07:48 18:29	07:59 16:14	08:56 15:35
13	04:40 22:15	05:40 21:13	06:46 19:50	07:51 18:26	08:01 16:12	08:57 15:35
14	04:42 22:14	05:42 21:11	06:48 19:47	07:53 18:24	08:03 16:10	08:59 15:35
15	04:43 22:12	05:45 21:08	06:50 19:44	07:55 18:21	08:06 16:08	09:00 15:35
16	04:45 22:11	05:47 21:06	06:53 19:42	07:57 18:18	08:08 16:06	09:01 15:35
17	04:47 22:09	05:49 21:03	06:55 19:39	07:59 18:16	08:10 16:04	09:02 15:35
18	04:48 22:08	05:51 21:01	06:57 19:36	08:02 18:13	08:12 16:02	09:02 15:35
19	04:50 22:06	05:53 20:58	06:59 19:33	08:04 18:11	08:15 16:00	09:03 15:35
20	04:52 22:05	05:55 20:56	07:01 19:30	08:06 18:08	08:17 15:59	09:04 15:36
21	04:54 22:03	05:57 20:53	07:03 19:27	08:08 18:05	08:19 15:57	09:05 15:36
22	04:56 22:01	06:00 20:50	07:05 19:25	08:11 18:03	08:21 15:55	09:05 15:36
23	04:57 21:59	06:02 20:48	07:07 19:22	08:13 18:00	08:23 15:54	09:06 15:37
24	04:59 21:58	06:04 20:45	07:10 19:19	08:15 17:58	08:25 15:52	09:06 15:38
25	05:01 21:56	06:06 20:42	07:12 19:16	08:18 16:55	08:27 15:51	09:06 15:38
26	05:03 21:54	06:08 20:40	07:14 19:13	08:20 16:53	08:29 15:49	09:07 15:39
27	05:05 21:52	06:10 20:37	07:16 19:11	08:22 16:50	08:31 15:48	09:07 15:40
28	05:07 21:50	06:12 20:34	07:18 19:08	08:24 16:48	08:33 15:47	09:07 15:41
29	05:09 21:48	06:14 20:32	07:20 19:05	08:27 16:45	08:35 15:46	09:07 15:42
30	05:11 21:46	06:17 20:29	07:22 19:02	08:29 16:43	08:37 15:44	09:07 15:43
31	05:13 21:44	06:19 20:26		08:31 16:40		09:07 15:44
Potential sun hours	538	474	386	321	241	207
Sum of minutes with flicker	0	0	0	380	2914	4484

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 11 - Z13

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:06 10:37-11:37/60 15:45 11:55-12:08/13	08:27 07:19 16:46 17:52	07:19 17:52	06:54 05:34 20:01 21:07	05:34 04:33 21:07 22:09	04:33 04:26 22:09 22:26	04:26 05:15 22:26 21:41	05:15 06:21 21:41 20:23	06:21 07:24 20:23 07:34	07:24 07:34 18:59 16:38	07:34 08:39 16:38 15:43	08:39 10:25-10:55/30 15:43 10:59-11:20/21
2	09:06 10:38-11:37/59 15:47 11:57-12:08/11	08:25 07:17 16:48 17:54	07:17 17:54	06:51 05:31 20:03 21:10	05:31 04:32 21:10 22:10	04:32 04:27 22:10 22:26	04:27 05:17 22:26 21:39	05:17 06:23 21:39 20:21	06:23 07:27 20:21 18:57	07:27 07:36 16:36 18:57	07:36 08:41 16:36 15:42	10:25-10:55/30 11:21/22 15:42
3	09:06 10:38-11:37/59 15:48 11:59-12:08/9	08:23 07:14 16:51 17:56	07:14 17:56	06:48 05:29 20:05 21:12	05:29 04:30 21:12 22:12	04:30 04:28 22:12 22:25	04:28 05:19 22:25 21:37	05:19 06:25 21:37 20:18	06:25 07:29 20:18 18:54	07:29 07:38 16:33 18:54	07:38 08:43 16:33 15:41	10:56-31 11:22/23 15:41
4	09:05 10:39-11:37/58 15:49 12:00-12:06/6	08:21 07:11 16:53 17:59	07:11 17:59	06:45 05:26 20:08 21:14	05:26 04:29 21:14 22:13	04:29 04:29 22:13 22:24	04:29 05:21 22:24 21:35	05:21 06:27 21:35 20:15	06:27 07:31 20:15 18:51	07:31 07:40 16:31 18:51	07:40 08:44 16:31 15:40	10:56/30 11:23/25 15:40
5	09:05 10:39-11:10/31 15:51 11:11-11:37/26	08:19 07:09 16:55 18:01	07:09 18:01	06:43 05:24 20:10 21:16	05:24 04:28 21:16 22:14	04:28 04:30 22:14 22:23	04:30 05:23 22:23 21:32	05:23 06:29 21:32 20:12	06:29 07:33 20:12 18:48	07:33 07:43 16:29 18:48	07:43 08:46 16:29 15:39	10:57/31 11:24/25 15:39
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7	09:03 10:41-11:12/31 15:54 11:13-11:39/26	08:14 07:03 17:00 18:06	07:03 18:06	06:37 05:19 20:14 21:21	05:19 04:26 21:21 22:17	04:26 04:32 22:17 22:22	04:32 05:28 22:22 21:28	05:28 06:34 21:28 20:07	06:34 07:37 20:07 18:43	07:37 07:47 16:24 18:43	07:47 08:49 16:24 15:38	10:57/31 11:25/27 15:38
8	09:03 10:41-11:11/30 15:56 11:13-11:38/25	08:12 07:01 17:03 18:08	07:01 18:08	06:34 05:17 20:17 21:23	05:17 04:25 21:23 22:18	04:25 04:33 22:18 22:21	04:33 05:30 22:21 21:25	05:30 06:36 21:25 20:04	06:36 07:40 20:04 18:40	07:40 07:50 16:22 18:40	07:50 08:51 16:22 15:37	10:58 11:54/5 15:37
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11	09:00 10:43-11:13/30 16:01 11:17-11:38/21	08:05 06:52 17:10 18:15	06:52 18:15	06:26 05:10 20:23 21:29	05:10 04:23 21:29 22:21	04:23 04:37 22:21 22:18	04:37 05:36 22:18 21:18	05:36 06:42 21:18 19:56	06:42 07:46 19:56 18:32	07:46 07:57 16:16 18:32	07:57 08:55 16:16 15:36	10:28/60 11:59/12 15:36
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13	08:58 10:44-11:13/29 16:05 11:19-11:37/18	08:00 06:47 17:14 18:19	06:47 18:19	06:21 05:06 20:28 21:33	05:06 04:22 21:33 22:23	04:22 04:40 22:23 22:15	04:40 05:40 22:15 21:13	05:40 06:46 21:13 19:50	06:46 07:51 19:50 18:26	07:51 08:01 16:12 18:26	08:01 08:57 16:12 15:35	10:29-11:28/59 12:01/15 15:35
14	08:57 10:44-11:12/28 16:07 11:21-11:35/14	07:58 06:44 17:17 18:21	06:44 18:21	06:18 05:04 20:30 21:35	05:04 04:22 21:35 22:24	04:22 04:42 22:24 22:14	04:42 05:42 22:14 21:11	05:42 06:48 21:11 19:47	06:48 07:53 19:47 18:24	07:53 08:03 16:10 18:24	08:03 08:58 16:10 15:35	10:29/59 11:27/59 15:35
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18	08:52 10:49-11:12/23 16:15 17:26	07:48 06:33 18:30 17:42-18:01/19	06:33 18:30	06:07 04:56 20:39 21:44	04:56 04:21 21:44 22:26	04:21 04:48 22:26 22:08	04:48 05:51 22:08 21:01	05:51 06:57 21:01 19:36	06:57 18:28-18:45/17 19:36 18:02	08:02 08:12 16:02 18:13	08:12 09:02 16:02 15:35	10:42/17 11:31/59 15:35
19	08:50 10:50-11:11/21 16:17 17:29	07:45 06:30 18:32 17:41-18:02/21	06:30 18:32	06:04 04:54 20:41 21:46	04:54 04:21 21:46 22:27	04:21 04:50 22:27 22:06	04:50 05:53 22:06 20:58	05:53 06:59 20:58 19:33	06:59 18:27-18:46/19 19:33 18:10	08:04 08:15 16:00 18:10	08:15 09:03 16:00 15:35	10:41/9 11:31/60 15:35
20	08:49 10:51-11:11/20 16:19 17:31	07:43 06:27 18:35 17:40-18:02/22	06:27 18:35	06:02 04:52 20:43 21:48	04:52 04:21 21:48 22:27	04:21 04:52 22:27 22:05	04:52 05:55 22:05 20:56	05:55 07:01 20:56 19:30	07:01 18:26-18:46/20 19:30 18:08	08:06 08:17 16:19 15:59	08:17 09:04 16:19 15:36	10:43/14 12:06/19 15:36
21	08:47 10:52-11:09/17 16:21 17:33	07:40 06:25 18:37 20:45	06:25 18:37	05:59 04:50 20:45 21:49	04:50 04:21 21:49 22:27	04:21 04:54 22:27 22:03	04:54 05:57 22:03 20:53	05:57 07:03 22:03 20:53	07:03 18:26-18:47/21 19:27 18:05	08:08 08:19 16:17 15:57	08:19 09:05 16:17 15:36	10:45/17 12:07/19 15:36
22	08:46 10:54-11:08/14 16:23 17:36	07:38 06:22 18:39 20:47	06:22 18:39	05:57 04:48 20:47 21:51	04:48 04:21 21:51 22:28	04:21 04:56 22:28 22:01	04:56 06:00 22:01 20:50	06:00 07:05 20:50 19:25	07:05 18:25-18:47/22 19:25 18:03	08:11 08:21 16:10 15:55	08:21 09:05 16:10 15:36	10:47/22 11:33/60 15:36
23	08:44 10:57-11:06/9 16:25 17:38	07:35 06:19 18:41 17:40-18:01/21	06:19 18:41	05:54 04:46 20:50 21:53	04:46 04:21 21:53 22:28	04:21 04:57 22:28 21:59	04:57 06:02 21:59 20:48	06:02 07:07 20:48 19:22	07:07 18:25-18:46/21 19:22 18:00	08:13 08:23 16:14 15:54	08:23 09:06 16:14 15:37	10:47/20 11:34/60 15:37
24	08:42 17:40 16:28 17:40	07:33 06:16 18:43 17:40-18:00/20	06:16 18:43	05:51 04:45 20:52 21:55	04:45 04:22 21:55 22:28	04:22 04:59 22:28 21:57	04:59 06:04 21:57 20:45	06:04 07:09 20:45 19:19	07:09 18:24-18:46/22 19:19 17:58	08:15 08:25 16:18 15:52	08:25 09:06 16:18 15:38	10:49/23 11:34/60 15:38
25	08:40 17:43 16:30 17:43	07:30 06:13 18:46 17:41-17:56/15	06:13 18:46	05:49 04:43 20:54 21:57	04:43 04:22 21:57 22:28	04:22 05:01 22:28 21:56	05:01 06:06 21:56 20:42	06:06 07:12 20:42 19:16	07:12 18:24-18:45/21 19:16 16:55	07:17 07:27 16:15 15:51	07:27 08:29 16:15 15:38	10:50/25 11:26/18 15:38
26	08:39 17:45 16:32 17:45	07:27 06:11 18:48 17:44-17:55/11	06:11 18:48	05:46 04:41 20:56 21:59	04:41 04:23 21:59 22:28	04:23 05:03 22:28 21:54	05:03 06:08 21:54 20:40	06:08 07:14 20:40 19:13	07:14 18:25-18:42/17 19:13 16:53	07:20 07:30 16:18 15:49	07:30 08:29 16:18 15:39	10:51/26 11:35/60 15:39
27	08:37 16:34 16:34 17:47	07:25 06:08 18:50 17:44-17:55/11	06:08 18:50	05:44 04:40 20:59 22:00	04:40 04:23 22:00 22:27	04:23 05:05 22:27 21:52	05:05 06:10 21:52 20:37	06:10 07:16 20:37 19:11	07:16 18:25-18:39/14 19:11 16:50	07:22 07:32 16:16 15:48	07:32 08:31 16:16 15:40	10:52/27 11:31/59 15:40
28	08:35 17:50 16:37 17:50	07:22 06:05 18:52 17:50	06:05 18:52	05:41 04:38 21:01 22:02	04:38 04:24 22:02 22:27	04:24 05:07 22:27 21:50	05:07 06:12 21:50 20:34	06:12 07:18 20:34 19:08	07:18 18:27-18:36/9 19:08 18:48	07:24 07:34 16:14 15:47	07:34 08:33 16:14 15:41	10:36/9 11:15/14 15:41
29	08:33 16:39 16:39 17:57	07:02 19:54 06:59 19:57	07:02 19:54	05:39 04:37 21:03 22:04	04:37 04:24 22:04 22:27	04:24 05:09 22:27 21:48	05:09 06:14 21:48 20:32	06:14 07:20 20:32 19:05	07:20 18:30-18:34/4 19:05 18:11	07:27 07:37 16:15 15:46	07:37 08:35 16:15 15:44	10:53/29 11:36/60 15:44
30	08:31 16:41 16:41 17:57	06:59 19:57 19:57 19:59	06:59 19:57	05:36 04:35 21:05 22:06	04:35 04:25 22:06 22:27	04:25 05:11 22:27 21:46	05:11 06:17 21:46 20:29	06:17 07:22 20:29 19:02	07:22 08:27 19:02 18:07	07:29 07:39 16:17 15:47	07:39 08:37 16:17 15:43	10:53/29 11:36/60 15:43
31	08:29 16:44 16:44 17:59	06:57 19:59 19:59 19:59	06:57 19:59	05:34 22:07 22:07 21:43	04:34 22:07 21:43 20:26	05:13 21:43 20:26 19:02	06:19 20:26 19:02 18:40	18:19 20:26 19:02 18:40	19:02 18:40 18:40 16:40	07:31 16:40 16:40 15:44	07:41 09:07 16:40 15:44	10:37-11:37/60 12:09/15 15:44
Potential sun hours	227	262	365	429	515	539	538	474	386	321	241	207
Sum of minutes with flicker	994	0	225	0	0	0	0	0	231	0	333	2194

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 12 - Z16

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1	09:06 15:45	08:27 09:19-09:44/25 16:46 09:00-09:13/13	07:19 17:52	06:54 20:01	05:34 18:52-19:45/53 21:07	04:33 22:09
2	09:06 15:47	08:25 09:18-09:43/25 16:48 08:57-09:14/17	07:17 17:54	06:51 20:03	05:31 18:52-19:43/51 21:10	04:31 22:10
3	09:06 15:48	08:23 09:19-09:43/24 16:51 08:57-09:15/18	07:14 17:56	06:48 20:05	05:29 18:52-19:43/51 21:12	04:30 22:12
4	09:05 15:49	08:21 09:19-09:42/23 16:53 08:52-09:16/24	07:11 17:59	06:45 20:08	05:26 18:53-19:42/49 21:14	04:29 22:13
5	09:05 09:47-09:54/7 15:51	08:19 09:20-09:43/23 16:55 08:50-09:17/27	07:09 18:01	06:43 20:10	05:24 18:53-19:41/48 21:16	04:28 22:14
6	09:04 09:47-09:56/9 15:52	08:16 09:21-09:42/21 16:58 08:48-09:18/30	07:06 18:03	06:40 20:12	05:22 18:53-19:40/47 21:18	04:27 22:16
7	09:03 09:46-09:58/12 15:54	08:14 09:21-09:41/20 17:00 08:47-09:18/31	07:03 18:05	06:37 20:14	05:19 18:53-19:39/46 21:20	04:26 22:17
8	09:03 09:44-09:58/14 15:56	08:12 09:23-09:40/17 17:02 08:46-09:18/32	07:00 18:08	06:34 20:16	05:17 18:54-19:39/45 21:23	04:25 22:18
9	09:02 09:44-10:00/16 15:57	08:10 09:24-09:38/14 17:05 08:45-09:18/33	06:58 18:10	06:31 20:19	05:15 18:55-19:38/43 21:25	04:25 22:19
10	09:01 09:44-10:01/17 15:59	08:07 09:27-09:36/9 17:07 08:45-09:18/33	06:55 18:12	06:29 19:25-19:33/8 20:21	05:12 18:56-19:37/41 21:27	04:24 22:20
11	09:00 09:44-10:03/19 16:01	08:05 08:44-09:17/33 17:10	06:52 18:15	06:26 19:14-19:37/23 20:23	05:10 18:56-19:36/40 21:29	04:23 22:21
12	08:59 09:43-10:03/20 16:03	08:03 08:33-08:42/9 17:12 08:44-09:17/33	06:49 18:17	06:23 19:10-19:40/30 20:25	05:08 18:57-19:36/39 21:31	04:23 22:22
13	08:58 09:44-10:04/20 16:05	08:00 08:30-09:16/46 17:14	06:47 18:19	06:21 19:07-19:42/35 20:27	05:06 18:58-19:35/37 21:33	04:22 22:23
14	08:57 09:43-10:05/22 16:06	07:58 08:27-09:14/47 17:17	06:44 18:21	06:18 19:04-19:43/39 20:30	05:04 18:59-19:33/34 21:35	04:22 22:24
15	08:56 09:43-10:06/23 16:08	07:55 08:27-09:13/46 17:19	06:41 18:23	06:15 19:03-19:45/42 20:32	05:02 19:01-19:33/32 21:37	04:21 22:25
16	08:54 09:43-10:06/23 16:10	07:53 08:26-09:10/44 17:21	06:38 18:26	06:12 19:01-19:45/44 20:34	05:00 19:02-19:32/30 21:39	04:21 22:25
17	08:53 09:43-10:07/24 16:12	07:50 08:25-09:06/41 17:24	06:36 18:28	06:10 19:00-19:46/46 20:36	04:58 19:04-19:30/26 21:42	04:21 22:26
18	08:52 09:44-10:08/24 16:15	07:48 08:25-09:06/41 17:26	06:33 18:30	06:07 18:58-19:46/48 20:39	04:56 19:05-19:28/23 21:44	04:21 22:26
19	08:50 09:44-10:09/25 16:17	07:45 08:25-09:04/39 17:29	06:30 18:32	06:04 18:58-19:47/49 20:41	04:54 19:08-19:27/19 21:46	04:21 22:27
20	08:49 09:44-10:09/25 16:19	07:43 08:24-08:47/23 17:31 08:49-09:02/13	06:27 18:35	06:02 18:56-19:47/51 20:43	04:52 19:10-19:24/14 21:47	04:21 22:27
21	08:47 09:24-09:32/8 16:21 09:44-10:09/25	07:40 08:25-08:48/23 17:33 08:54-08:58/4	06:24 18:37	05:59 18:55-19:47/52 20:45	04:50 19:14-19:20/6 21:49	04:21 22:27
22	08:45 09:22-09:35/13 16:23 09:44-10:09/25	07:38 08:25-08:47/22 17:36	06:22 18:39	05:56 18:54-19:47/53 20:47	04:48 21:51	04:21 22:28
23	08:44 09:21-09:36/15 16:25 09:44-10:10/26	07:35 08:26-08:46/20 17:38	06:19 18:41	05:54 18:54-19:48/54 20:50	04:46 21:53	04:21 22:28
24	08:42 09:20-09:38/18 16:27 09:45-10:10/25	07:33 08:27-08:45/18 17:40	06:16 18:43	05:51 18:53-19:47/54 20:52	04:45 21:55	04:22 22:28
25	08:40 09:19-09:39/20 16:30 09:45-10:10/25	07:30 08:28-08:43/15 17:43	06:13 18:46	05:49 18:53-19:47/54 20:54	04:43 21:57	04:22 22:28
26	08:39 09:19-09:40/21 16:32 09:46-10:10/24	07:27 08:30-08:40/10 17:45	06:10 18:48	05:46 18:52-19:47/55 20:56	04:41 21:59	04:22 22:28
27	08:37 09:19-09:41/22 16:34 09:47-10:10/23	07:25 17:47	06:08 18:50	05:44 18:52-19:47/55 20:58	04:40 22:00	04:23 22:27
28	08:35 09:19-09:42/23 16:37 09:48-10:10/22	07:22 17:49	06:05 18:52	05:41 18:52-19:46/54 21:01	04:38 22:02	04:24 22:27
29	08:33 09:18-09:42/24 16:39 09:48-10:08/20		07:02 19:54	05:39 18:52-19:45/53 21:03	04:37 22:04	04:24 22:27
30	08:31 09:18-09:42/24 09:49-10:08/19 16:41 09:04-09:07/3		06:59 19:57	05:36 18:52-19:45/53 21:05	04:35 22:05	04:25 22:26
31	08:29 09:18-09:43/25 09:51-10:07/16 16:44 09:02-09:11/9		06:56 19:59		04:34 22:07	
Potential sun hours	227	262	365	429	515	539
Sum of minutes with flicker	775	1004	0	952	774	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

SHADOW - Calendar per WTG

WTG: 12 - Z16

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	July	August	September	October	November	December
1	04:26 22:26	05:15 19:07-19:46/39 21:41	06:21 19:14-19:37/23 20:23	07:24 18:59	07:34 08:56-09:06/10 16:38 08:15-08:48/33	08:39 09:26-09:45/19 15:43
2	04:27 22:25	05:17 19:06-19:47/41 21:39	06:23 19:24-19:32/8 20:21	07:27 18:57	07:36 08:54-09:08/14 16:36 08:15-08:47/32	08:41 09:27-09:44/17 15:42
3	04:28 22:25	05:19 19:06-19:48/42 21:37	06:25 20:18	07:29 18:54	07:38 08:52-09:10/18 16:33 08:16-08:48/32	08:42 09:28-09:44/16 15:41
4	04:29 22:24	05:21 19:05-19:48/43 21:35	06:27 20:15	07:31 18:51	07:40 08:51-09:11/20 16:31 08:16-08:47/31	08:44 09:30-09:44/14 15:40
5	04:30 22:23	05:23 19:04-19:49/45 21:32	06:29 20:12	07:33 18:48	07:43 08:50-09:12/22 16:29 08:18-08:47/29	08:46 09:31-09:43/12 15:39
6	04:31 22:23	05:25 19:04-19:50/46 21:30	06:31 20:09	07:35 18:45	07:45 08:49-09:12/23 16:26 08:20-08:46/26	08:48 09:32-09:42/10 15:39
7	04:32 22:22	05:27 19:03-19:50/47 21:28	06:34 20:07	07:37 18:43	07:47 08:49-09:13/24 16:24 08:23-08:46/23	08:49 09:34-09:41/7 15:38
8	04:33 22:21	05:30 19:02-19:51/49 21:25	06:36 20:04	07:40 18:40	07:50 08:49-09:13/24 16:22 08:27-08:46/19	08:51 09:37-09:39/2 15:37
9	04:35 22:20	05:32 19:02-19:52/50 21:23	06:38 20:01	07:42 18:37	07:52 08:49-09:14/25 09:26-09:33/7 16:20 08:28-08:45/17	08:52 15:37
10	04:36 22:19	05:34 19:02-19:52/50 21:21	06:40 19:58	07:44 18:34	07:54 08:49-09:14/25 09:24-09:36/12 16:18 08:31-08:44/13	08:53 15:36
11	04:37 22:17	05:36 19:01-19:53/52 21:18	06:42 19:56	07:46 18:32	07:57 08:49-09:14/25 09:22-09:38/16 16:16 08:33-08:42/9	08:55 15:36
12	04:39 22:16	05:38 19:01-19:53/52 21:16	06:44 19:53	07:48 18:29	07:59 08:50-09:14/24 09:21-09:40/19 16:14 08:36-08:39/3	08:56 15:35
13	04:40 22:15	05:40 19:00-19:54/54 21:13	06:46 19:50	07:50 18:26	08:01 08:50-09:14/24 16:12 09:20-09:40/20	08:57 15:35
14	04:42 22:14	05:42 18:59-19:53/54 21:11	06:48 19:47	07:53 18:24	08:03 08:50-09:14/24 16:10 09:20-09:42/22	08:58 15:35
15	04:43 22:12	05:44 18:59-19:53/54 21:08	06:50 19:44	07:55 09:05-09:11/6 18:21	08:06 08:51-09:13/22 16:08 09:19-09:42/23	09:00 15:35
16	04:45 22:11	05:47 18:59-19:53/54 21:06	06:53 19:41	07:57 09:01-09:14/13 18:18	08:08 08:52-09:13/21 16:06 09:19-09:43/24	09:01 15:35
17	04:47 22:09	05:49 18:59-19:53/54 21:03	06:55 19:39	07:59 08:59-09:15/16 18:16	08:10 08:53-09:13/20 16:04 09:19-09:44/25	09:01 15:35
18	04:48 22:08	05:51 18:59-19:53/54 21:01	06:57 19:36	08:02 08:58-09:17/19 18:13	08:12 08:54-09:12/18 16:02 09:19-09:44/25	09:02 15:35
19	04:50 22:06	05:53 18:59-19:53/54 20:58	06:59 19:33	08:04 08:57-09:17/20 18:10	08:14 08:56-09:11/15 16:00 09:19-09:45/26	09:03 15:35
20	04:52 22:04	05:55 18:59-19:52/53 20:55	07:01 19:30	08:06 08:56-09:18/22 18:08	08:17 08:57-09:10/13 15:59 09:19-09:44/25	09:04 15:35
21	04:54 22:03	05:57 18:59-19:52/53 20:53	07:03 19:27	08:08 08:55-09:18/23 18:05 09:22-09:30/8	08:19 09:00-09:09/9 15:57 09:20-09:45/25	09:04 15:36
22	04:55 22:01	05:59 19:00-19:51/51 20:50	07:05 19:25	08:11 08:56-09:18/22 18:03 09:20-09:33/13	08:21 09:20-09:45/25 15:55	09:05 15:36
23	04:57 19:22-19:32/10 21:59	06:02 19:00-19:51/51 20:48	07:07 19:22	08:13 08:55-09:35/40 18:00	08:23 09:20-09:45/25 15:54	09:06 15:37
24	04:59 19:19-19:36/17 21:57	06:04 19:00-19:50/50 20:45	07:09 19:19	08:15 08:55-09:35/40 17:58	08:25 09:21-09:45/24 15:52	09:06 15:37
25	05:01 19:17-19:38/21 21:56	06:06 19:01-19:49/48 20:42	07:12 19:16	07:17 07:55-08:37/42 16:55	08:27 09:21-09:45/24 15:51	09:06 15:38
26	05:03 19:16-19:40/24 21:54	06:08 19:02-19:48/46 20:40	07:14 19:13	07:20 07:55-08:40/45 16:52	08:29 09:22-09:46/24 15:49	09:07 15:39
27	05:05 19:13-19:41/28 21:52	06:10 19:03-19:47/44 20:37	07:16 19:11	07:22 07:57-08:43/46 16:50	08:31 09:23-09:45/22 15:48	09:07 15:40
28	05:07 19:12-19:43/31 21:50	06:12 19:04-19:45/41 20:34	07:18 19:08	07:24 07:57-08:44/47 16:48	08:33 09:23-09:45/22 15:47	09:07 15:41
29	05:09 19:11-19:44/33 21:48	06:14 19:05-19:44/39 20:31	07:20 19:05	07:27 08:00-08:13/13 16:45 08:14-08:46/32	08:35 09:24-09:45/21 15:45	09:07 15:42
30	05:11 19:10-19:45/35 21:46	06:17 19:07-19:42/35 20:29	07:22 19:02	07:29 08:02-08:10/8 16:43 08:13-08:46/33	08:37 09:24-09:44/20 15:44	09:07 15:43
31	05:13 19:09-19:46/37 21:43	06:19 19:09-19:39/30 20:26	07:24 19:00	07:31 08:14-08:47/33 16:40	08:39 09:25-09:46/21 15:43	09:07 15:44
Potential sun hours	538	474	386	321	241	207
Sum of minutes with flicker	236	1475	31	541	1163	97

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 13 - Z17

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

0	1	Sum
4 076	4 076	8 152

	January	February	March	April	May	June
1	09:06 10:29-11:00/31 15:45 09:50-10:19/29	08:27 10:49-11:02/13 16:46 15:18-15:42/24	07:19 07:57-08:07/10 17:52 16:24-16:41/17	06:54 07:52-08:10/18 20:01	05:34 21:07	04:33 22:09
2	09:06 10:30-11:02/32 15:47 09:49-10:19/30	08:25 15:19-15:42/23 16:48	07:17 07:53-08:10/17 17:54 16:26-16:38/12	06:51 07:53-08:07/14 20:03	05:31 21:10	04:31 22:10
3	09:06 10:29-11:02/33 15:48 09:48-10:19/31	08:23 15:20-15:42/22 16:51	07:14 07:50-08:11/21 17:56 16:31-16:32/1	06:48 07:56-08:04/8 20:05	05:29 21:12	04:30 22:12
4	09:05 10:29-11:02/33 15:49 09:47-10:20/33	08:21 15:20-15:40/20 16:53	07:11 07:48-08:12/24 17:59 08:16-08:49/33	06:45 20:08	05:26 21:14	04:29 22:13
5	09:05 10:30-11:03/33 15:51 09:47-10:21/34	08:19 15:22-15:40/18 16:55	07:09 07:48-08:14/26 18:01 08:17-08:49/32	06:43 20:10	05:24 21:16	04:28 22:14
6	09:04 10:31-11:05/34 15:52 09:47-10:22/35	08:16 15:23-15:38/15 16:58	07:06 07:47-08:15/28 18:03 07:39-07:43/4	06:40 20:12	05:22 21:18	04:27 22:16
7	09:03 10:31-11:05/34 15:54 09:47-10:22/35	08:14 15:26-15:36/10 17:00	07:03 07:34-08:15/41 18:05 08:18-08:47/29	06:37 20:14	05:19 21:20	04:26 22:17
8	09:03 10:30-11:05/35 15:56 09:46-10:22/36	08:12 17:02	07:01 07:31-08:15/44 18:08 08:18-08:45/27	06:34 20:16	05:17 21:23	04:25 22:18
9	09:02 10:31-11:06/35 15:57 09:46-10:23/37	08:10 17:05	06:58 07:29-08:15/46 18:10 08:19-08:43/24	06:31 20:19	05:15 21:25	04:25 22:19
10	09:01 10:31-11:06/35 15:59 09:46-10:23/37	08:07 17:07	06:55 07:29-08:16/47 18:12 08:22-08:41/19	06:29 20:21	05:12 21:27	04:24 22:20
11	09:00 10:32-11:07/35 16:01 09:47-10:24/37	08:05 17:10	06:52 07:28-08:15/47 18:15 08:24-08:38/14	06:26 20:23	05:10 21:29	04:23 22:21
12	08:59 10:31-11:07/36 16:03 09:46-10:24/38	08:03 17:12	06:49 07:27-08:15/48 18:17	06:23 20:25	05:08 21:31	04:23 22:22
13	08:58 10:32-11:08/36 16:04 09:47-10:25/38	08:00 16:28-16:39/11 17:14	06:47 07:19-08:14/55 18:19	06:21 20:28	05:06 21:33	04:22 22:23
14	08:57 10:32-11:08/36 16:06 09:46-10:24/38	07:58 16:25-16:41/16 17:17	06:44 07:15-08:13/58 18:21	06:18 20:30	05:04 21:35	04:22 22:24
15	08:56 10:33-11:09/36 16:08 09:47-10:25/38	07:55 16:24-16:43/19 17:19	06:41 07:13-08:12/59 18:23	06:15 20:32	05:02 21:37	04:21 22:25
16	08:54 10:33-11:09/36 16:10 09:47-10:25/38	07:53 16:22-16:44/22 17:21	06:38 07:11-08:11/60 18:26	06:12 20:34	05:00 21:40	04:21 22:25
17	08:53 10:33-11:09/36 16:12 09:47-10:25/38	07:50 16:21-16:45/24 17:24	06:36 07:10-08:10/60 18:28	06:10 20:36	04:58 21:42	04:21 22:26
18	08:52 10:34-11:10/36 16:14 09:48-10:25/37	07:48 16:21-16:46/25 17:26	06:33 07:09-08:08/59 18:30	06:07 20:39	04:56 21:44	04:21 22:26
19	08:50 10:34-11:10/36 16:17 09:48-10:25/37	07:45 16:20-16:46/26 17:28	06:30 06:59-08:05/66 18:32	06:04 20:41	04:54 21:46	04:21 22:27
20	08:49 10:35-11:10/35 16:19 09:49-10:25/36	07:43 16:19-16:46/27 17:31	06:27 06:56-07:47/51 18:35	06:02 20:43	04:52 21:48	04:21 22:27
21	08:47 10:35-11:10/35 16:21 09:49-10:24/35	07:40 16:20-16:47/27 17:33	06:24 06:55-07:46/51 18:37	05:59 20:45	04:50 21:49	04:21 22:27
22	08:46 10:36-11:10/34 16:23 09:50-10:24/34	07:38 16:19-16:47/28 17:36	06:22 06:53-07:43/50 18:39	05:56 20:47	04:48 21:51	04:21 22:28
23	08:44 10:36-11:10/34 16:25 09:50-10:23/33	07:35 16:19-16:46/27 17:38	06:19 06:52-07:38/46 18:41	05:54 20:50	04:46 21:53	04:21 22:28
24	08:42 10:37-11:10/33 16:27 09:51-10:21/30	07:33 16:19-16:46/27 17:40	06:16 06:51-07:33/42 18:43	05:51 20:52	04:45 21:55	04:21 22:28
25	08:40 10:38-11:09/31 16:30 09:52-10:11/19	07:30 16:20-16:46/26 17:43	06:13 06:50-07:32/42 18:46	05:49 20:54	04:43 21:57	04:22 22:28
26	08:39 10:39-11:09/30 16:32 09:53-10:11/18	07:27 16:20-16:45/25 17:45	06:10 06:49-07:31/42 18:48	05:46 20:56	04:41 21:59	04:22 22:28
27	08:37 10:40-11:09/29 16:34 09:55-10:10/15	07:25 16:21-16:44/23 17:47	06:08 06:50-07:30/40 18:50	05:44 20:59	04:40 22:01	04:23 22:28
28	08:35 10:41-11:08/27 16:37 09:57-10:09/12	07:22 16:21-16:42/21 17:49	06:05 06:50-07:28/38 18:52	05:41 21:01	04:38 22:02	04:23 22:27
29	08:33 10:42-11:06/24 16:39 09:58-10:06/8	07:20 16:21-16:42/21 17:54	07:02 07:50-08:25/35 19:54	05:39 21:03	04:37 22:04	04:24 22:27
30	08:31 10:44-11:05/21 16:41 15:17-15:42/25	07:19 16:21-16:42/21 17:56	06:59 07:50-08:12/22 19:57	05:36 21:05	04:35 22:06	04:25 22:27
31	08:29 10:46-11:04/18 16:43 15:18-15:43/25	07:18 16:21-16:42/21 17:58	06:56 07:51-08:12/21 19:59	05:35 21:06	04:34 22:07	04:25 22:27
Potential sun hours	227	262	365	429	515	539
Sum of minutes with flicker	2250	812	1660	40	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

SHADOW - Calendar per WTG

WTG: 13 - Z17

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0,96	2,07	4,32	6,59	9,64	9,55	9,82	8,35	5,52	3,17	1,24	0,85

Operational time

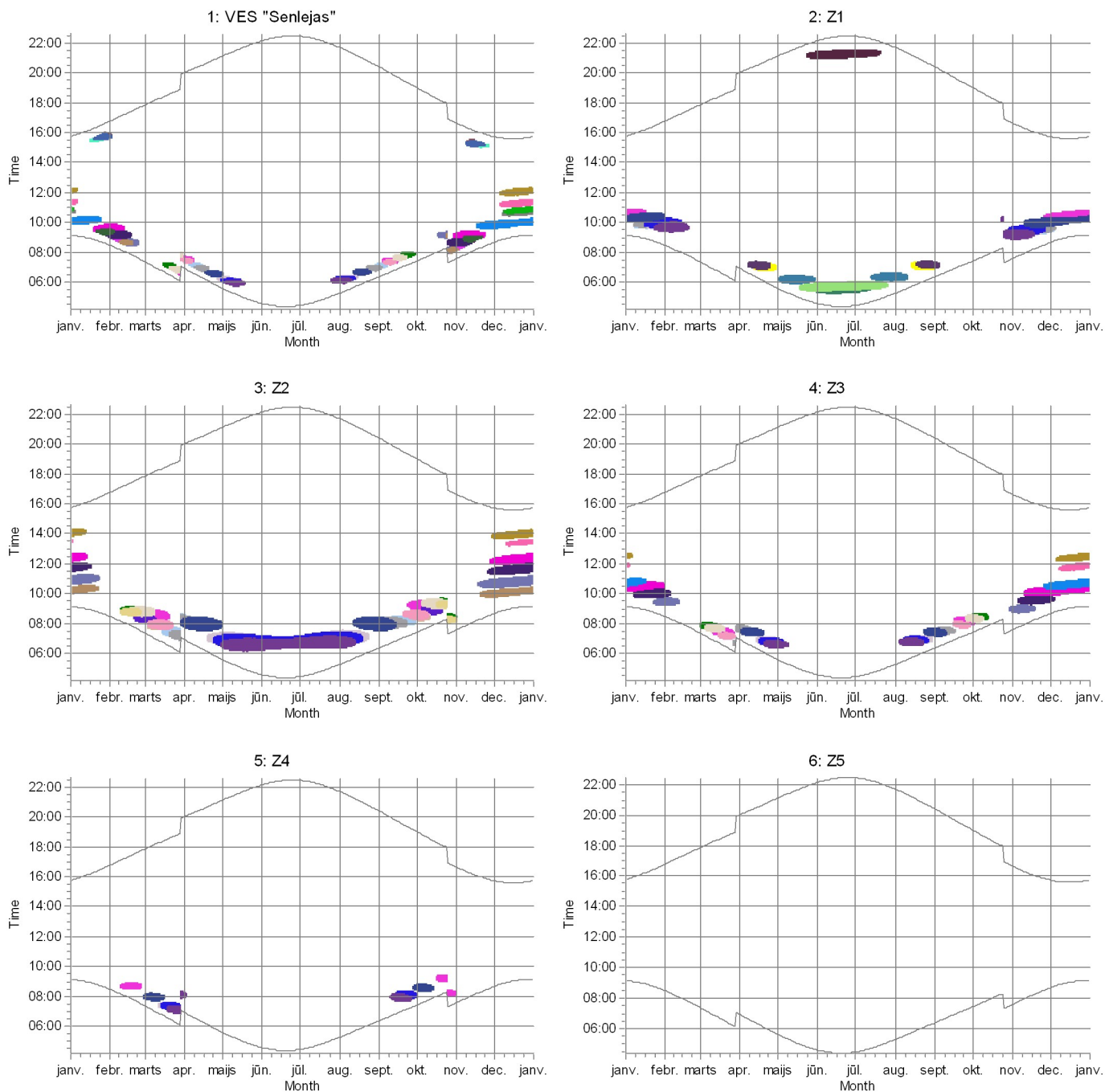
0	1	Sum
4 076	4 076	8 152

	July	August	September	October	November	December
1	04:26 22:26	05:15 21:41	06:21 20:23	07:24 08:05-08:54/49 18:59	07:34 16:38	08:39 10:14-10:49/35 15:43 09:29-10:06/37
2	04:27 22:26	05:17 21:39	06:23 20:21	07:27 08:05-08:53/48 18:57 09:04-09:14/10	07:36 16:36	08:41 10:14-10:50/36 15:42 09:29-10:06/37
3	04:28 22:25	05:19 21:37	06:25 20:18	07:29 08:06-08:53/47 18:54 09:00-09:17/17	07:38 16:33	08:43 10:15-10:50/35 15:41 09:30-10:07/37
4	04:29 22:24	05:21 21:35	06:27 20:15	07:31 08:07-08:53/46 18:51 08:58-09:20/22	07:40 14:55-15:06/11 16:31	08:44 10:15-10:50/35 15:40 09:31-10:07/36
5	04:30 22:23	05:23 21:32	06:29 20:12	07:33 08:08-08:52/44 18:48 08:56-09:21/25	07:43 14:54-15:09/15 16:29	08:46 10:16-10:50/34 15:39 09:32-10:07/35
6	04:31 22:23	05:25 21:30	06:31 20:09	07:35 08:09-08:51/42 18:45 08:54-09:22/28	07:45 14:52-15:10/18 16:26	08:48 10:16-10:50/34 15:39 09:32-10:07/35
7	04:32 22:22	05:27 21:28	06:34 20:07	07:37 08:12-08:50/38 18:43 08:53-09:23/30	07:47 14:51-15:11/20 16:24	08:49 10:17-10:50/33 15:38 09:33-10:07/34
8	04:33 22:21	05:30 21:25	06:36 20:04	07:40 08:23-08:50/27 18:40 08:53-09:24/31	07:50 14:50-15:11/21 16:22	08:51 10:18-10:51/33 15:37 09:35-10:08/33
9	04:34 22:20	05:32 21:23	06:38 07:50-07:58/8 20:01	07:42 08:23-08:48/25 18:37 08:51-09:24/33	07:52 10:24-10:27/3 16:20 14:50-15:13/23	08:52 10:19-10:51/32 15:37 09:37-10:08/31
10	04:36 22:19	05:34 21:21	06:40 07:47-08:00/13 19:58	07:44 08:24-08:47/23 18:34 08:51-09:24/33	07:54 10:20-10:33/13 16:18 14:50-15:14/24	08:54 10:19-10:51/32 15:36 09:38-10:08/30
11	04:37 22:18	05:36 21:18	06:42 07:44-08:02/18 19:56	07:46 08:25-08:44/19 08:50-09:24/34 18:32 17:01-17:10/9	07:57 10:17-10:35/18 16:16 14:49-15:13/24	08:55 10:20-10:52/32 15:36 09:40-10:09/29
12	04:39 22:16	05:38 21:16	06:44 07:43-08:03/20 19:53	07:48 08:28-08:42/14 08:50-09:24/34 18:29 16:58-17:13/15	07:59 10:15-10:37/22 16:14 14:49-15:14/25	08:56 10:20-10:51/31 15:35 09:41-10:09/28
13	04:40 22:15	05:40 21:13	06:46 07:41-08:04/23 19:50 08:05-08:12/7	07:50 08:32-08:37/5 08:49-09:24/35 18:26 16:56-17:15/19	08:01 10:14-10:38/24 14:49-15:14/25 16:12 09:30-09:38/8	08:57 10:20-10:51/31 15:35 09:42-10:09/27
14	04:42 22:14	05:42 21:11	06:48 07:40-08:15/35 19:47	07:53 16:54-17:16/22 18:24 08:49-09:23/34	08:03 10:13-10:40/27 14:49-15:14/25 16:10 09:28-09:41/13	08:58 10:22-10:52/30 15:35 09:44-10:10/26
15	04:43 22:12	05:44 21:08	06:50 07:39-08:17/38 19:44	07:55 16:53-17:17/24 18:21 08:50-09:23/33	08:06 10:12-10:41/29 14:49-15:14/25 16:08 09:28-09:43/15	09:00 10:22-10:53/31 09:50-10:10/20 15:35 09:45-09:49/4
16	04:45 22:11	05:47 21:06	06:53 07:38-08:18/40 19:41	07:57 16:52-17:17/25 18:18 08:50-09:22/32	08:08 10:12-10:42/30 14:50-15:14/24 16:06 09:26-09:44/18	09:01 10:23-10:53/30 09:50-10:10/20 15:35 09:46-09:48/2
17	04:47 22:09	05:49 21:03	06:55 07:38-08:19/41 19:39	07:59 16:51-17:17/26 18:16 08:49-09:21/32	08:10 10:12-10:43/31 14:50-15:14/24 16:04 09:26-09:45/19 09:47-09:53/6	09:02 10:23-10:53/30 09:51-10:10/19 15:35 09:47-09:48/1
18	04:48 22:08	05:51 21:01	06:57 07:37-08:19/42 19:36	08:02 16:51-17:18/27 18:13 08:51-09:21/30	08:12 10:11-10:44/33 14:51-15:14/23 16:02 09:25-09:55/30	09:02 10:24-10:54/30 15:35 09:52-10:11/19
19	04:50 22:06	05:53 20:58	06:59 07:37-08:20/43 19:33	08:04 16:50-17:18/28 18:10 08:51-09:19/28	08:15 10:11-10:45/34 14:51-15:13/22 16:00 09:25-09:58/33	09:03 10:24-10:53/29 15:35 09:51-10:10/19
20	04:52 22:05	05:55 20:55	07:01 07:38-08:20/42 19:30	08:06 16:50-17:18/28 18:08 08:52-09:19/27	08:17 10:11-10:45/34 14:52-15:13/21 15:59 09:25-09:59/34	09:04 10:25-10:54/29 15:35 09:52-10:11/19
21	04:54 22:03	05:57 20:53	07:03 07:39-08:28/49 19:27	08:08 16:50-17:17/27 18:05 08:53-09:17/24	08:19 10:11-10:46/35 14:53-15:13/20 15:57 09:25-10:00/35	09:05 10:25-10:55/30 15:36 09:53-10:12/19
22	04:55 22:01	05:59 20:50	07:05 07:39-08:30/51 19:25	08:11 16:50-17:16/26 18:03 08:56-09:16/20	08:21 10:11-10:46/35 14:55-15:12/17 15:55 09:25-10:01/36	09:05 10:25-10:55/30 15:36 09:53-10:12/19
23	04:57 21:59	06:02 20:48	07:07 07:40-08:32/52 19:22 08:38-08:44/6	08:13 16:50-17:16/26 18:00 08:57-09:13/16	08:23 10:10-10:46/36 14:55-15:11/16 15:54 09:24-10:01/37	09:06 10:26-10:56/30 15:37 09:54-10:13/19
24	04:59 21:57	06:04 20:45	07:09 07:42-08:32/50 19:19 08:33-08:48/15	08:15 16:50-17:15/25 17:57 09:01-09:08/7	08:25 10:11-10:47/36 14:57-15:11/14 15:52 09:25-10:03/38	09:06 10:27-10:56/29 15:37 09:54-10:13/19
25	05:01 21:56	06:06 20:42	07:12 07:45-08:50/65 19:16	07:17 15:52-16:15/23 16:55	08:27 10:11-10:47/36 14:59-15:09/10 15:51 09:25-10:03/38	09:06 10:27-10:57/30 15:38 09:54-10:14/20
26	05:03 21:54	06:08 20:40	07:14 07:51-08:51/60 19:13	07:20 15:52-16:13/21 16:52	08:29 10:12-10:48/36 15:01-15:07/6 15:49 09:26-10:04/38	09:07 10:27-10:57/30 15:39 09:55-10:14/19
27	05:05 21:52	06:10 20:37	07:16 07:52-08:52/60 19:11	07:22 15:54-16:12/18 16:50	08:31 10:12-10:48/36 15:48 09:26-10:04/38	09:07 10:27-10:58/31 09:55-10:15/20 15:40 09:51-09:53/2
28	05:07 21:50	06:12 20:34	07:18 07:54-08:53/59 19:08	07:24 15:55-16:10/15 16:48	08:33 10:12-10:48/36 15:47 09:26-10:05/39	09:07 10:28-10:58/30 09:55-10:15/20 15:41 09:51-09:54/3
29	05:09 21:48	06:14 20:31	07:20 07:55-08:54/59 19:05	07:27 15:58-16:07/9 16:45	08:35 10:12-10:48/36 15:45 09:27-10:05/38	09:07 10:28-10:59/31 15:42 09:51-10:16/25
30	05:11 21:46	06:17 20:29	07:22 07:57-08:54/57 19:02	07:29 16:43	08:37 10:13-10:48/35 15:44 09:28-10:06/38	09:07 10:28-10:59/31 15:43 09:51-10:17/26
31	05:13 21:43	06:19 20:26	 19:02	07:31 16:40	 15:44	09:07 10:29-11:00/31 15:44 09:50-10:17/27
Potential sun hours	538	474	386	321	241	207
Sum of minutes with flicker	0	0	953	1455	1659	1791

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

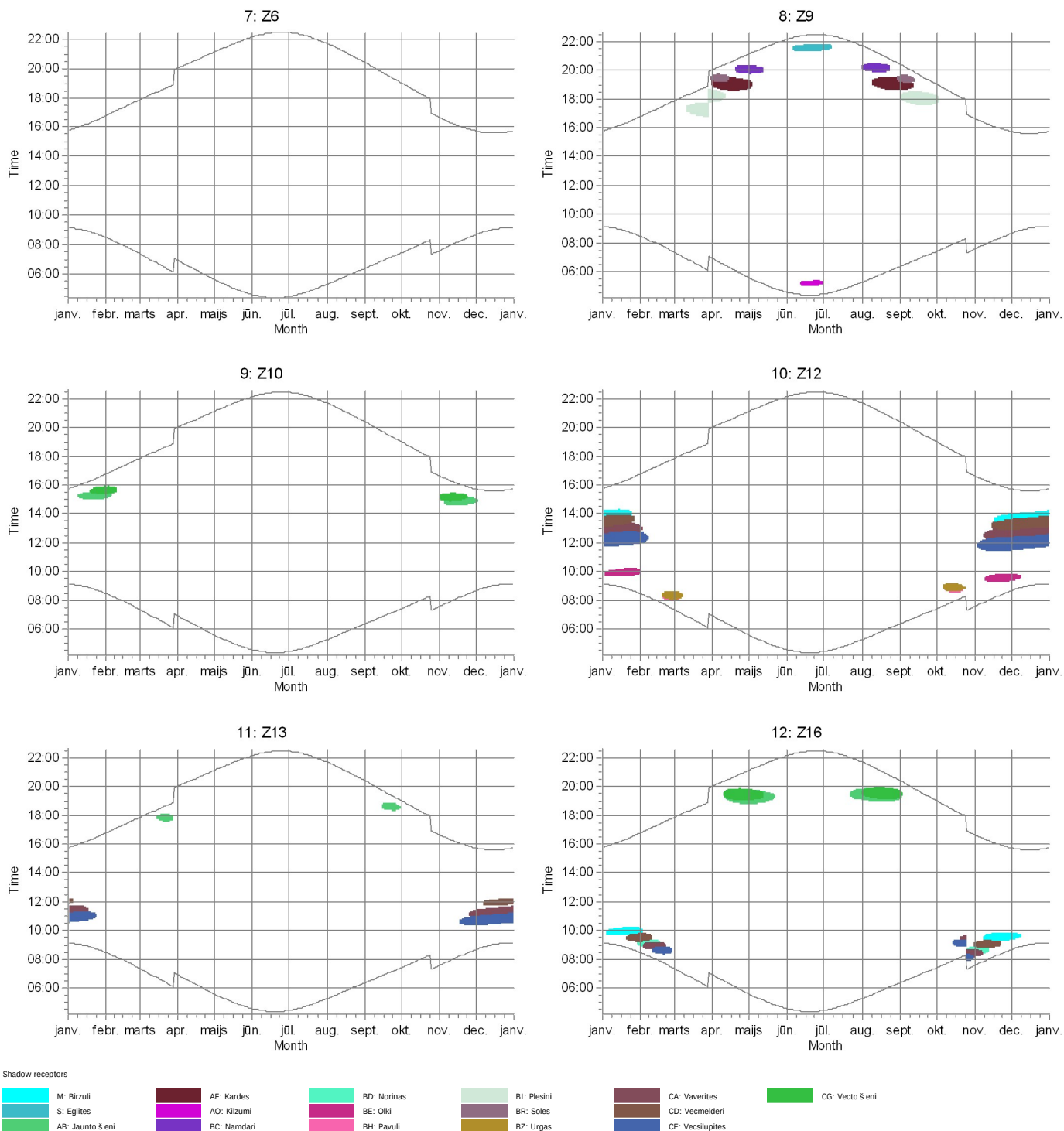
SHADOW - Calendar per WTG, graphical



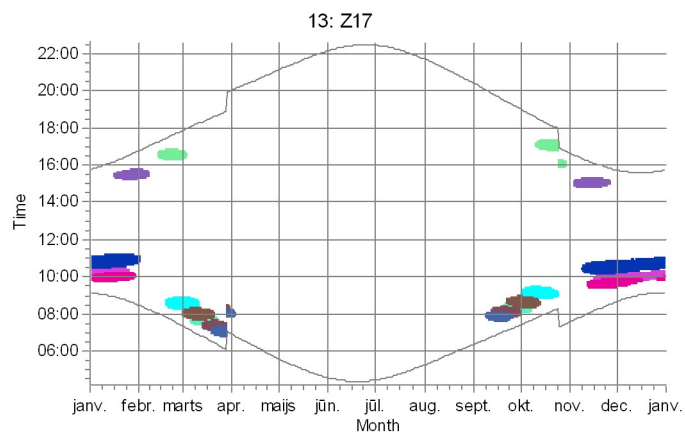
Shadow receptors

A: Alviekstes	P: Drupas	AC: Jaunupites	AU: Lojas	BG: Pavasari	BQ: Smilgas	BZ: Urgas
B: Akmengravas	Q: Dundagas	AE: Kalnmalas	AW: Mazkaleji	BH: Pavuli	BS: Stienu 2 i	CA: Vaverites
D: Ausekli	X: Jaunjeceni	AJ: Krusteidi	BB: Me 2 meiniki	BJ: Pucites	BU: Sunuki	CC: Veckastani
K: Bezdeligas Ligzda	Y: Jaunkastanas	AK: Krumini	BD: Norinas	BK: Raudupes	BW: Tamisari	CE: Vecsilupites
O: Cerini 2	AA: Jaunterces	AP: Lapskalni	BF: Paegli	BP: Silveveri	BX: Tomsoni	CJ: Vejini

SHADOW - Calendar per WTG, graphical



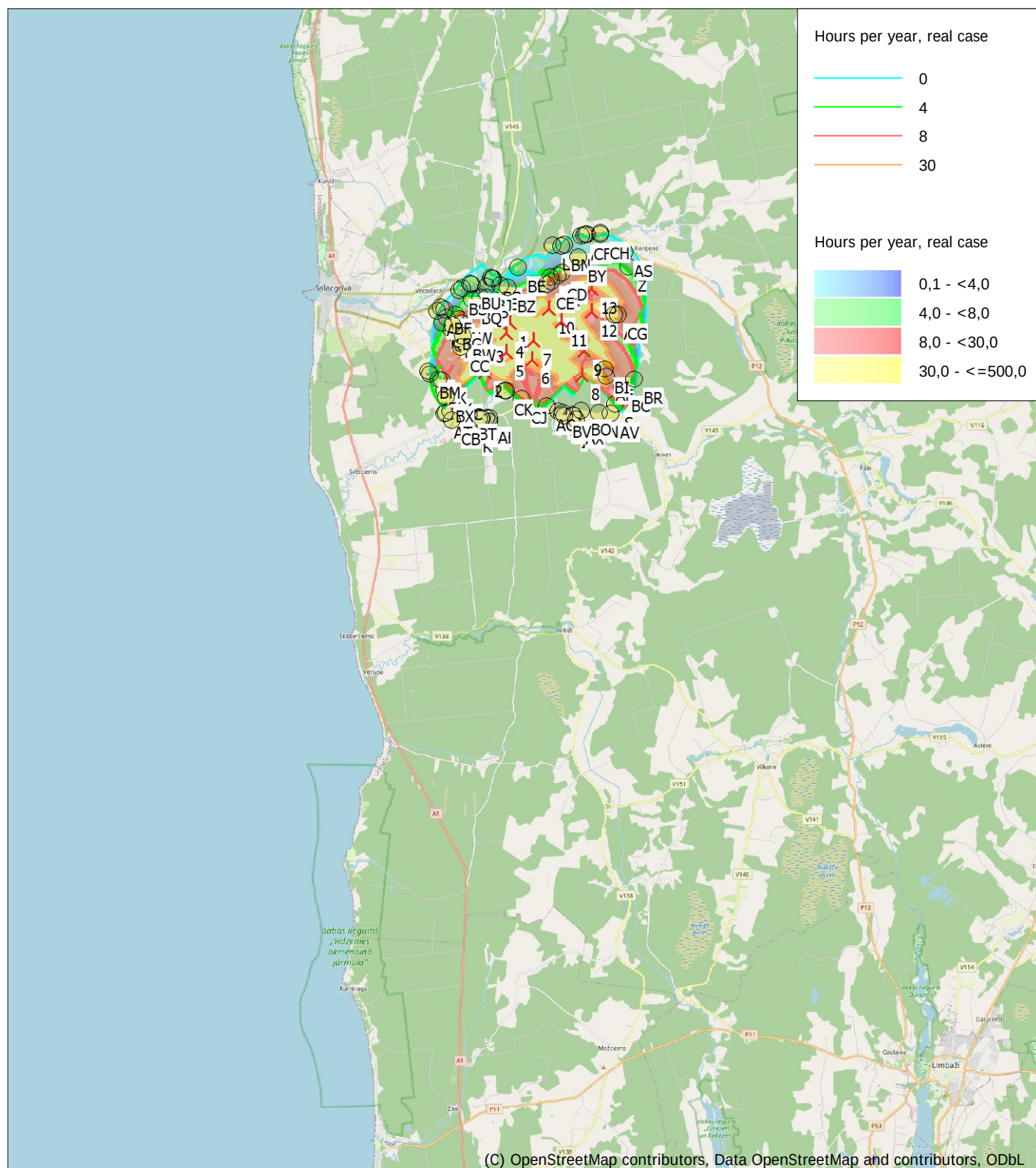
SHADOW - Calendar per WTG, graphical



Shadow receptors

M: Birzuli	AI: Krivas	BD: Norinas	BY: Tuiskas	CD: Vecmelderi
Z: Jaunspringi	AS: Lietspringi	BN: Silkaleji	CA: Vaverites	CE: Vecsilupites

SHADOW - Map



0 2,5 5 7,5 10km

Map: EMD OpenStreetMap , Print scale 1:200 000, Map center Latvian TM LKS92-LKS92 (LV) East: 528 700 North: 391 940
 New WTG Shadow receptor

Flicker map level: Elevation Grid Data Object: ground.wpg (7)
 Time step: 2 minutes, Day step: 3 days, Map resolution: 10 m, Visibility resolution: 5 m, Eye height: 1,5 m