

SHADOW - Main Result

Calculation: Final for Planning Submission
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

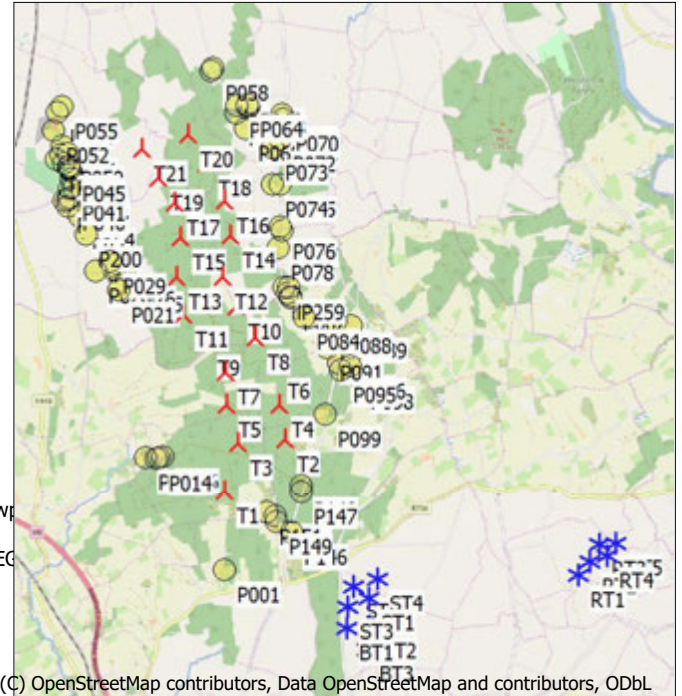
Minimum sun height over horizon for influence 3 °
Day step for calculation 1 days
Time step for calculation 1 minutes

Sunshine probability S (Average daily sunshine hours) []
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1.80 2.30 3.20 4.90 5.60 4.90 4.70 4.70 4.00 3.00 2.20 1.60

Operational time
N NNE ENE E ESE SSE S SSW WSW W WNW NNW Sum
403 368 307 403 385 438 771 1,786 964 1,148 1,095 692 8,760

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:
Height contours used: Elevation Grid Data Object: Castlebanny_EMDGrid_0.w
Area object(s) used in calculation:
Area object (Heights a.g.l. for e.g. Forest (ORA tool) or ZVI obstructions): RE
Obstacles used in calculation
Eye height for map: 1.5 m
Grid resolution: 1.0 m
Topographic shadow included in calculation

All coordinates are in
Irish ITM-IRENET95 (IE), geocentric, GRS80



Scale 1:125,000
▲ New WTG ★ Existing WTG ● Shadow receptor

WTGs

	Easting	Northing	Z	Row data/Description	WTG type			Shadow data				
					Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Calculation distance [m]	RPM [RPM]
				[m]								
BT1	660,516	626,665	188.7	ENERCON E-82 E2 2300 82.0 !O! h...Yes		ENERCON	E-82 E2-2,300	2,300	82.0	80.0	1,603	18.0
BT2	660,895	626,702	203.8	ENERCON E-82 E2 2300 82.0 !O! h...Yes		ENERCON	E-82 E2-2,300	2,300	82.0	80.0	1,603	18.0
BT3	660,859	626,333	195.7	ENERCON E-82 E2 2300 82.0 !O! h...Yes		ENERCON	E-82 E2-2,300	2,300	82.0	80.0	1,603	18.0
RT1	664,348	627,593	222.8	ENERCON E-48 800 48.0 !O! hub: ... Yes		ENERCON	E-48-800	800	48.0	55.0	1,048	30.0
RT2	664,532	627,826	225.1	ENERCON E-48 800 48.0 !O! hub: ... Yes		ENERCON	E-48-800	800	48.0	55.0	1,048	30.0
RT3	664,685	628,102	226.7	ENERCON E-48 800 48.0 !O! hub: ... Yes		ENERCON	E-48-800	800	48.0	55.0	1,048	30.0
RT4	664,819	627,925	234.5	ENERCON E-48 800 48.0 !O! hub: ... Yes		ENERCON	E-48-800	800	48.0	55.0	1,048	30.0
RT5	664,951	628,137	233.2	ENERCON E-48 800 48.0 !O! hub: ... Yes		ENERCON	E-48-800	800	48.0	55.0	1,048	30.0
ST1	660,871	627,165	221.7	ENERCON E-82 E2 2300 82.0 !O! h...Yes		ENERCON	E-82 E2-2,300	2,300	82.0	80.0	1,603	18.0
ST2	660,621	627,356	216.2	ENERCON E-82 E2 2300 82.0 !O! h...Yes		ENERCON	E-82 E2-2,300	2,300	82.0	80.0	1,603	18.0
ST3	660,528	627,010	200.2	ENERCON E-82 E2 2300 82.0 !O! h...Yes		ENERCON	E-82 E2-2,300	2,300	82.0	80.0	1,603	18.0
ST4	661,028	627,486	227.9	ENERCON E-82 E2 2300 82.0 !O! h...Yes		ENERCON	E-82 E2-2,300	2,300	82.0	80.0	1,603	18.0
T1	658,464	628,904	210.7	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T10	658,620	631,958	218.8	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T11	657,754	631,828	182.9	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T12	658,380	632,457	225.7	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T13	657,625	632,441	197.2	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T14	658,512	633,132	238.8	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T15	657,687	633,081	216.5	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T16	658,418	633,693	233.1	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T17	657,571	633,655	232.2	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T18	658,105	634,316	235.1	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T19	657,303	634,069	221.4	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T2	659,458	629,770	249.7	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T20	657,800	634,781	221.7	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T21	657,025	634,541	177.1	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T3	658,677	629,701	217.2	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T4	659,349	630,345	253.6	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T5	658,475	630,328	199.2	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T6	659,292	630,971	259.3	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T7	658,460	630,876	204.6	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T8	658,948	631,462	234.3	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4
T9	658,120	631,359	185.3	VESTAS V150 4200 155.0 !-! hub: ... No		VESTAS	V150-4,200	4,200	155.0	107.5	2,500	10.4

SHADOW - Main Result

Calculation: Final for Planning Submission

Shadow receptor-Input

No.	Easting	Northing	Z	Width	Height	Elevation	Slope of	Direction mode	Eye height
			[m]	[m]	[m]	a.g.l.	window		(ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
P001	658,486	627,593	160.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P013	657,143	629,440	151.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P014	657,338	629,431	166.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P015	657,383	629,446	168.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P016	657,432	629,472	172.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P021	656,686	632,204	175.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P022	656,746	632,219	176.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P023	656,726	632,272	177.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P024	656,691	632,304	177.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P025	656,805	632,388	180.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P026	656,696	632,474	181.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P027	656,584	632,539	181.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P028	656,277	632,519	173.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P029	656,519	632,688	182.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P034	656,015	633,428	170.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P037	655,815	633,576	164.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P039	655,813	633,693	161.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P040	655,849	633,716	162.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P041	655,845	633,883	162.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P042	655,876	634,041	167.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P043	655,906	633,876	163.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P044	655,852	634,153	168.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P045	655,841	634,187	169.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P046	655,826	634,225	169.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P047	655,833	634,249	169.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P048	655,619	634,351	167.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P049	655,686	634,437	169.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P050	655,808	634,450	171.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P051	655,712	634,580	172.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P052	655,569	634,830	167.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P054	655,620	635,136	162.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P055	655,703	635,226	160.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P058	658,188	635,881	169.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P059	658,158	635,848	170.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P060	658,596	635,268	191.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P061	658,587	635,160	197.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P062	658,772	635,431	177.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P063	658,820	635,325	181.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P064	658,765	635,292	186.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P065	658,805	635,283	183.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P066	658,793	635,260	184.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P067	658,770	635,230	188.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P068	658,737	634,884	190.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P069	659,344	635,139	153.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P070	659,355	635,063	151.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P071	659,366	634,916	147.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P072	659,324	634,716	146.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P073	659,201	634,581	150.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P074	659,200	633,980	149.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P075	659,331	633,980	136.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P076	659,346	633,288	130.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P077	659,364	633,225	130.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P078	659,307	632,926	131.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P079	659,414	632,287	138.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P080	659,467	632,182	141.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P081	659,515	632,144	141.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P082	659,518	632,105	144.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P083	659,739	631,864	160.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P084	659,749	631,789	171.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P085	659,851	631,794	166.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P086	659,928	631,770	162.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P087	659,957	631,733	161.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P088	660,282	631,745	124.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P089	660,534	631,662	118.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0

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SHADOW - Main Result

Calculation: Final for Planning Submission

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No.	Easting	Northing	Z	Width	Height	Elevation	Slope of	Direction mode	Eye height
			[m]	[m]	[m]	a.g.l.	window		(ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
P090	660,132	631,495	157.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P091	660,134	631,280	191.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P094	660,339	631,045	190.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P095	660,360	630,930	184.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P096	660,523	630,990	179.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P098	660,658	630,816	160.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P099	660,124	630,207	213.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P100	660,676	630,864	162.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P145	659,568	628,212	215.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P146	659,593	628,238	215.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P147	659,739	628,901	234.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P148	659,732	629,019	235.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P149	659,328	628,403	224.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P150	659,316	628,498	223.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P151	659,172	628,561	212.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P154	655,733	634,289	170.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P200	656,125	633,124	174.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P244	655,747	633,683	159.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P259	659,489	632,294	134.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0

Calculation Results

Shadow receptor

No.	Shadow, worst case		Shadow, expected values	
	Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]
P001	0:00	0	0:00	0:00
P013	10:45	72	0:16	2:10
P014	31:55	117	0:29	6:05
P015	26:22	103	0:28	5:01
P016	27:47	107	0:28	5:32
P021	77:06	227	0:38	14:39
P022	87:53	237	0:41	16:40
P023	79:08	230	0:40	14:50
P024	71:01	216	0:38	13:11
P025	86:14	231	0:44	15:38
P026	101:01	264	0:44	18:32
P027	98:25	243	0:46	18:41
P028	47:57	187	0:30	9:14
P029	71:16	215	0:44	13:13
P034	61:36	234	0:27	11:56
P037	40:03	185	0:24	7:53
P039	50:13	192	0:28	9:45
P040	51:55	192	0:29	10:03
P041	67:10	210	0:36	13:13
P042	54:57	191	0:36	10:36
P043	71:37	210	0:37	14:01
P044	48:38	193	0:30	8:56
P045	47:22	189	0:30	8:34
P046	39:22	137	0:30	7:21
P047	39:39	139	0:31	7:22
P048	30:21	124	0:31	5:34
P049	34:02	133	0:34	6:10
P050	40:36	144	0:38	7:21
P051	34:05	136	0:27	5:53
P052	21:46	98	0:24	3:32
P054	18:50	90	0:22	2:54
P055	24:32	100	0:25	3:43
P058	14:09	46	0:22	1:59
P059	14:54	48	0:22	2:06
P060	65:07	132	0:55	10:19
P061	79:37	142	0:56	12:42
P062	49:03	121	0:45	7:41

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SHADOW - Main Result

Calculation: Final for Planning Submission

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No.	Shadow, worst case		Shadow, expected values	
	Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]
P063	55:31	129	0:44	8:42
P064	60:08	132	0:48	9:28
P065	58:02	133	0:42	9:06
P066	57:40	134	0:40	9:02
P067	65:46	137	0:45	10:22
P068	89:08	196	1:00	15:11
P069	38:30	137	0:39	6:20
P070	44:46	148	0:40	7:19
P071	65:03	170	0:41	10:25
P072	60:20	176	0:42	10:22
P073	70:50	188	0:46	12:19
P074	111:45	252	0:55	20:07
P075	93:42	265	0:51	16:47
P076	90:34	230	0:43	16:17
P077	86:15	242	0:40	15:35
P078	131:07	261	0:49	22:38
P079	110:51	250	0:44	19:16
P080	108:29	260	0:42	19:21
P081	107:18	272	0:41	19:07
P082	114:09	282	0:43	20:22
P083	110:54	286	0:39	20:03
P084	112:38	271	0:41	20:24
P085	84:10	228	0:38	15:26
P086	71:25	199	0:36	13:12
P087	59:52	180	0:36	10:58
P088	40:04	165	0:29	7:22
P089	33:00	141	0:25	6:08
P090	26:49	134	0:28	5:00
P091	57:11	205	0:38	10:40
P094	49:27	215	0:34	9:10
P095	37:19	160	0:32	6:46
P096	49:28	202	0:29	9:00
P098	35:23	164	0:26	6:31
P099	62:39	146	0:45	11:33
P100	36:38	160	0:26	6:49
P145	25:10	89	0:29	4:25
P146	30:22	99	0:29	5:22
P147	0:00	0	0:00	0:00
P148	3:42	35	0:14	0:41
P149	37:19	77	0:39	6:50
P150	49:48	98	0:41	9:16
P151	64:49	94	0:49	12:00
P154	34:27	130	0:31	6:21
P200	51:49	225	0:28	9:51
P244	51:01	189	0:27	9:57
P259	107:06	257	0:44	18:42

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

No.	Name	Worst case [h/year]	Expected [h/year]
BT1	ENERCON E-82 E2 2300 82.0 !O! hub: 80.0 m (TOT: 121.0 m) (10)	0:00	0:00
BT2	ENERCON E-82 E2 2300 82.0 !O! hub: 80.0 m (TOT: 121.0 m) (11)	0:00	0:00
BT3	ENERCON E-82 E2 2300 82.0 !O! hub: 80.0 m (TOT: 121.0 m) (12)	0:00	0:00
RT1	ENERCON E-48 800 48.0 !O! hub: 55.0 m (TOT: 79.0 m) (1)	0:00	0:00
RT2	ENERCON E-48 800 48.0 !O! hub: 55.0 m (TOT: 79.0 m) (2)	0:00	0:00
RT3	ENERCON E-48 800 48.0 !O! hub: 55.0 m (TOT: 79.0 m) (3)	0:00	0:00
RT4	ENERCON E-48 800 48.0 !O! hub: 55.0 m (TOT: 79.0 m) (4)	0:00	0:00
RT5	ENERCON E-48 800 48.0 !O! hub: 55.0 m (TOT: 79.0 m) (5)	0:00	0:00
ST1	ENERCON E-82 E2 2300 82.0 !O! hub: 80.0 m (TOT: 121.0 m) (6)	0:00	0:00
ST2	ENERCON E-82 E2 2300 82.0 !O! hub: 80.0 m (TOT: 121.0 m) (7)	6:00	0:51
ST3	ENERCON E-82 E2 2300 82.0 !O! hub: 80.0 m (TOT: 121.0 m) (8)	0:00	0:00
ST4	ENERCON E-82 E2 2300 82.0 !O! hub: 80.0 m (TOT: 121.0 m) (9)	0:00	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Final for Planning Submission

...continued from previous page

No.	Name	Worst case [h/year]	Expected [h/year]
T1	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (3)	103:21	18:31
T10	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (12)	186:53	33:35
T11	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (13)	66:46	10:21
T12	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (14)	196:42	36:35
T13	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (15)	159:52	30:12
T14	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (16)	193:48	36:25
T15	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (17)	186:05	34:37
T16	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (18)	162:31	28:44
T17	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (19)	137:55	23:40
T18	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (20)	239:26	41:35
T19	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (21)	164:55	30:36
T2	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (4)	88:42	14:23
T20	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (22)	196:48	37:49
T21	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (23)	164:48	31:48
T3	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (5)	14:21	3:03
T4	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (6)	72:47	13:25
T5	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (7)	8:04	1:35
T6	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (8)	179:03	30:49
T7	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (9)	27:42	3:59
T8	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (10)	210:19	35:49
T9	VESTAS V150 4200 155.0 !-! hub: 107.5 m (TOT: 185.0 m) (11)	31:37	4:40

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.