

SHADOW - Main Result**Calculation:** Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine**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
1,00	2,82	4,23	6,60	8,78	9,10	8,87	6,81	4,67	2,52	1,17	0,58

Operational hours are calculated from WTGs in calculation and wind distribution:

Site data: Mean

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
594	615	439	389	521	751	933	1 519	1 047	806	553	487	8 655

Idle start wind speed: Cut in wind speed from power curve

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: Height Contours: elevation 5 m(20x20 km)_2(1).map

Area object(s) used in calculation:

Area object (ZVI): REGIONS_10.w2r (25)

Obstacles used in calculation

Eye height: 1,5 m

Grid resolution: 10,0 m

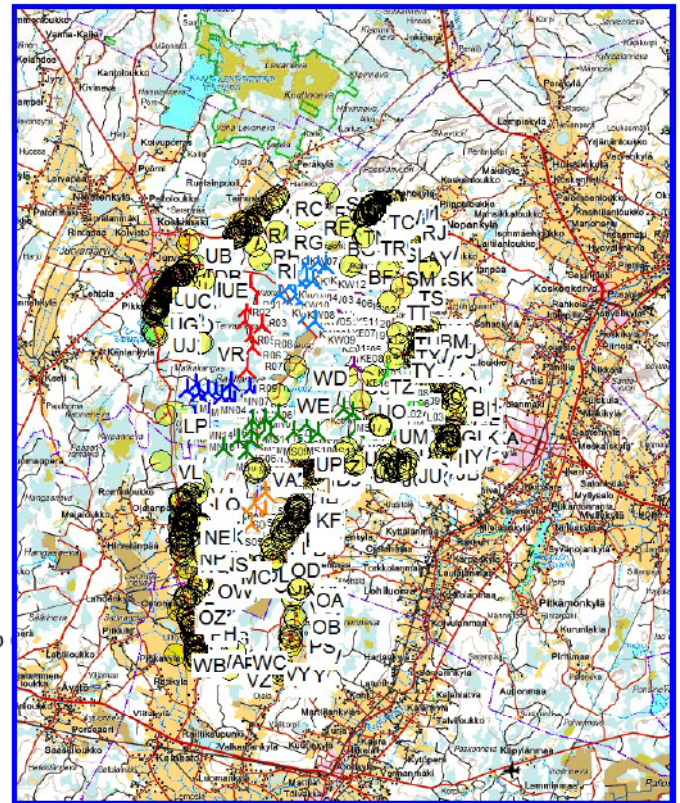
All coordinates are in

Finish TM ETRS-TM35FIN-ETRS89

WTGs

	East	North	Z	Row data/Description	WTG type		Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Shadow data	
					Valid	Manufact.				Calculation distance [m]	RPM [RPM]
			[m]								
KE01	252 864	6 957 692	153,7	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE02	254 435	6 959 711	130,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE03	254 722	6 956 399	170,3	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE04	252 726	6 958 760	145,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE05	253 669	6 957 651	149,6	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE06	253 224	6 960 095	140,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE07	253 382	6 958 517	145,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE08	253 771	6 957 198	157,5	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE09	253 684	6 959 955	135,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE10	252 804	6 960 090	145,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE11	253 595	6 959 136	136,7	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE12	254 906	6 958 219	130,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE13	253 286	6 957 728	148,4	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE14	254 605	6 957 288	142,3	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE15	254 091	6 959 880	130,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE16	254 118	6 955 852	169,1	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE17	253 170	6 959 309	140,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE18	254 162	6 957 140	150,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE19	253 896	6 958 404	137,6	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KE20	254 206	6 959 041	132,2	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KW01	251 639	6 960 396	137,8	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KW02	251 309	6 959 169	140,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KW03	252 023	6 960 309	140,5	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KW04	251 207	6 960 390	135,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KW05	251 894	6 959 127	141,6	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KW06	251 631	6 958 435	145,5	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3
KW07	251 194	6 962 311	145,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719 10,3

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New WTG

Scale 1:400 000

Shadow receptor

SHADOW - Main Result**Calculation:** Viiatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

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	East	North	Z	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Shadow data	
					Valid	Manufact.					Calculation distance [m]	RPM [RPM]
			[m]									
KW08	251 023	6 959 460	136,1	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
KW09	252 111	6 958 162	149,4	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
KW10	250 719	6 960 006	134,1	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
KW11	252 257	6 961 321	136,9	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
KW12	252 644	6 961 114	141,4	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
KW13	251 739	6 961 252	135,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
KW14	252 426	6 960 189	142,8	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
KW15	250 600	6 960 529	132,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
KW16	251 275	6 961 340	136,1	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
KW17	250 651	6 962 340	138,2	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
KW18	250 210	6 959 553	137,7	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
L01	255 927	6 955 356	149,4	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
L02	256 150	6 954 244	174,8	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
L03	257 358	6 954 073	160,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
L04	256 330	6 953 738	168,7	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
L05	256 605	6 952 624	163,7	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
L06	256 551	6 954 798	179,7	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
L07	256 198	6 953 175	167,6	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
L08	256 512	6 955 334	154,2	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
L09	257 133	6 954 952	156,9	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
MN01	247 192	6 954 183	135,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN02	249 094	6 953 756	154,7	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN03	245 959	6 954 344	126,6	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN04	246 459	6 954 446	130,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN05	247 856	6 953 869	140,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN06	248 899	6 954 183	150,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN07	247 699	6 954 912	135,6	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN08	248 638	6 954 612	145,3	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN09	245 335	6 954 519	125,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN10	247 598	6 954 162	136,8	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN11	245 778	6 954 815	129,1	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN12	246 845	6 954 378	130,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN13	246 445	6 952 594	135,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN14	245 756	6 953 119	128,3	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN15	245 856	6 952 519	130,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MN16	246 505	6 953 262	130,1	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS01	250 826	6 952 938	165,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS02	250 291	6 952 594	170,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS03	250 151	6 953 201	170,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS04	251 669	6 952 731	165,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS05	248 504	6 951 290	152,6	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS06	248 026	6 951 906	140,6	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS07	247 265	6 951 448	135,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS08	248 739	6 952 388	150,9	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS09	249 769	6 952 236	167,2	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS10	250 999	6 952 316	158,5	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS11	248 781	6 952 923	149,8	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS12	249 407	6 952 365	164,9	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS13	252 246	6 952 266	161,2	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS14	251 860	6 951 818	150,5	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS15	248 728	6 951 869	153,5	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS16	249 446	6 952 993	164,7	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS17	253 607	6 953 548	159,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS18	254 060	6 953 308	155,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
MS19	254 219	6 952 406	170,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	164,5	1 719	10,3
R01	248 683	6 960 012	135,7	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
R02	248 121	6 959 609	128,8	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
R03	249 023	6 959 045	147,8	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
R04	248 477	6 958 803	143,8	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
R05	248 417	6 958 153	139,1	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
R06	248 690	6 957 348	141,8	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
R07	248 813	6 956 769	145,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3

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SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

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	East	North	Z	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Shadow data	
					Valid	Manufact.					Calculation distance [m]	RPM [RPM]
			[m]									
R08	249 319	6 957 940	153,9	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
R09	248 500	6 955 628	143,5	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
S01	249 443	6 948 080	150,2	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
S02	250 298	6 949 845	155,8	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
S03	249 480	6 949 088	165,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
S04	248 885	6 948 503	165,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
S05	247 746	6 947 498	146,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
S06	248 124	6 948 419	165,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
S07	248 727	6 947 453	150,0	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3
S08	247 948	6 946 843	132,2	NORDEX N131/3000 3000 1...	Yes	NORDEX	N131/3000-3 000	3 000	131,0	144,0	1 721	10,3

Shadow receptor-Input

No.	Name	East	North	Z	Width	Height	Height a.g.l.	Degrees from south cw	Slope of window	Direction mode
				[m]	[m]	[m]	[m]	[°]	[°]	
A	Shadow Receptor: Resident	249 809	6 964 370	80,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
B	Shadow Receptor: Resident	249 612	6 964 268	80,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
C	Shadow Receptor: Resident	249 284	6 963 966	80,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
D	Shadow Receptor: Resident	249 225	6 963 734	83,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
E	Shadow Receptor: Resident	249 134	6 963 613	84,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
F	Shadow Receptor: Resident	249 168	6 963 553	88,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
G	Shadow Receptor: Resident	249 037	6 963 757	79,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
H	Shadow Receptor: Resident	249 054	6 963 752	80,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
I	Shadow Receptor: Resident	249 077	6 963 592	83,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
J	Shadow Receptor: Resident	249 059	6 963 609	81,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
K	Shadow Receptor: Resident	248 979	6 963 492	83,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
L	Shadow Receptor: Resident	249 080	6 963 454	88,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
M	Shadow Receptor: Resident	249 011	6 963 369	87,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
N	Shadow Receptor: Resident	249 026	6 963 302	88,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
O	Shadow Receptor: Resident	248 968	6 963 285	86,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
P	Shadow Receptor: Resident	248 945	6 963 246	87,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
Q	Shadow Receptor: Resident	248 547	6 963 345	81,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
R	Shadow Receptor: Resident	248 677	6 963 229	80,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
S	Shadow Receptor: Resident	248 638	6 963 161	82,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
T	Shadow Receptor: Resident	248 634	6 963 225	81,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
U	Shadow Receptor: Resident	248 522	6 963 158	84,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
V	Shadow Receptor: Resident	248 336	6 963 338	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
W	Shadow Receptor: Resident	248 445	6 963 429	80,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
X	Shadow Receptor: Resident	248 152	6 963 305	80,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
Y	Shadow Receptor: Resident	250 015	6 964 572	81,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
Z	Shadow Receptor: Resident	249 906	6 964 428	80,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AA	Shadow Receptor: Resident	249 862	6 964 510	79,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AB	Shadow Receptor: Resident	248 424	6 963 028	90,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AC	Shadow Receptor: Resident	248 273	6 962 880	86,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AD	Shadow Receptor: Resident	248 001	6 962 883	80,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AE	Shadow Receptor: Resident	248 138	6 962 907	82,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AF	Shadow Receptor: Resident	248 103	6 962 907	82,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AG	Shadow Receptor: Resident	248 088	6 962 811	81,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AH	Shadow Receptor: Resident	248 193	6 962 672	82,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AI	Shadow Receptor: Resident	248 057	6 962 633	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AJ	Shadow Receptor: Resident	248 149	6 962 632	83,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AK	Shadow Receptor: Resident	256 340	6 964 473	119,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AL	Shadow Receptor: Resident	256 177	6 964 523	123,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AM	Shadow Receptor: Resident	256 207	6 964 467	121,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AN	Shadow Receptor: Resident	256 067	6 964 511	126,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AO	Shadow Receptor: Resident	256 095	6 964 501	125,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AP	Shadow Receptor: Resident	255 230	6 964 430	134,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AQ	Shadow Receptor: Resident	255 370	6 964 371	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AR	Shadow Receptor: Resident	255 303	6 964 377	134,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AS	Shadow Receptor: Resident	258 287	6 960 823	90,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AT	Shadow Receptor: Resident	258 025	6 960 842	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	East	North	Z	Width	Height	Height a.g.l.	Degrees from south cw	Slope of window	Direction mode
				[m]	[m]	[m]	[m]	[°]	[°]	
AU	Shadow Receptor: Resident	257 950	6 960 739	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AV	Shadow Receptor: Resident	257 156	6 962 318	94,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AW	Shadow Receptor: Resident	257 069	6 962 334	96,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AX	Shadow Receptor: Resident	257 101	6 962 143	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AY	Shadow Receptor: Resident	257 094	6 961 994	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
AZ	Shadow Receptor: Resident	256 990	6 961 959	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BA	Shadow Receptor: Resident	256 786	6 961 500	105,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BB	Shadow Receptor: Resident	255 144	6 964 456	132,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BC	Shadow Receptor: Resident	254 838	6 964 103	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BD	Shadow Receptor: Resident	254 619	6 963 863	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BE	Shadow Receptor: Resident	254 624	6 963 885	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BF	Shadow Receptor: Resident	253 996	6 961 046	140,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BG	Shadow Receptor: Resident	252 872	6 962 507	140,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BH	Shadow Receptor: Resident	259 430	6 954 265	96,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BI	Shadow Receptor: Resident	259 447	6 954 073	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BJ	Shadow Receptor: Resident	257 806	6 960 665	95,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BK	Shadow Receptor: Resident	257 757	6 960 583	96,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BL	Shadow Receptor: Resident	258 148	6 957 853	110,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BM	Shadow Receptor: Resident	257 746	6 957 643	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BN	Shadow Receptor: Resident	258 062	6 957 684	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BO	Shadow Receptor: Resident	258 010	6 957 632	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BP	Shadow Receptor: Resident	257 814	6 957 316	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BQ	Shadow Receptor: Resident	257 777	6 957 136	109,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BR	Shadow Receptor: Resident	257 726	6 957 136	110,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BS	Shadow Receptor: Resident	257 962	6 956 962	109,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BT	Shadow Receptor: Resident	257 789	6 956 866	110,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BU	Shadow Receptor: Resident	258 294	6 957 132	106,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BV	Shadow Receptor: Resident	257 650	6 956 692	113,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BW	Shadow Receptor: Resident	257 525	6 958 222	110,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BX	Shadow Receptor: Resident	257 587	6 957 257	113,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BY	Shadow Receptor: Resident	257 622	6 956 928	112,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
BZ	Shadow Receptor: Resident	257 573	6 956 592	114,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CA	Shadow Receptor: Resident	257 567	6 956 508	115,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CB	Shadow Receptor: Resident	257 641	6 956 491	115,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CC	Shadow Receptor: Resident	257 514	6 956 431	115,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CD	Shadow Receptor: Resident	257 336	6 956 304	120,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CE	Shadow Receptor: Resident	257 287	6 956 258	120,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CF	Shadow Receptor: Resident	257 431	6 956 174	119,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CG	Shadow Receptor: Resident	257 535	6 956 137	119,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CH	Shadow Receptor: Resident	257 522	6 956 148	119,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CI	Shadow Receptor: Resident	259 036	6 954 859	105,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CJ	Shadow Receptor: Resident	258 911	6 954 801	104,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CK	Shadow Receptor: Resident	259 038	6 954 695	101,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CL	Shadow Receptor: Resident	259 155	6 954 461	98,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CM	Shadow Receptor: Resident	259 155	6 954 430	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CN	Shadow Receptor: Resident	259 231	6 954 318	98,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CO	Shadow Receptor: Resident	259 135	6 954 289	99,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CP	Shadow Receptor: Resident	258 317	6 954 722	115,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CQ	Shadow Receptor: Resident	258 782	6 954 828	105,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CR	Shadow Receptor: Resident	258 723	6 954 855	108,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CS	Shadow Receptor: Resident	258 862	6 954 932	105,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CT	Shadow Receptor: Resident	259 278	6 954 254	97,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CU	Shadow Receptor: Resident	253 770	6 955 214	165,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CV	Shadow Receptor: Resident	247 848	6 962 654	84,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CW	Shadow Receptor: Resident	247 992	6 962 881	80,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CX	Shadow Receptor: Resident	247 975	6 962 751	81,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CY	Shadow Receptor: Resident	247 974	6 962 616	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
CZ	Shadow Receptor: Resident	247 861	6 962 587	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DA	Shadow Receptor: Resident	247 912	6 962 538	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DB	Shadow Receptor: Resident	245 863	6 961 055	88,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DC	Shadow Receptor: Resident	245 456	6 961 149	83,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DD	Shadow Receptor: Resident	245 469	6 961 070	84,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DE	Shadow Receptor: Resident	245 193	6 960 828	82,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	East	North	Z	Width	Height	Height a.g.l.	Degrees from south cw	Slope of window	Direction mode
				[m]	[m]	[m]	[m]	[°]	[°]	
DF	Shadow Receptor: Resident	245 227	6 960 842	82,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DG	Shadow Receptor: Resident	245 267	6 960 806	83,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DH	Shadow Receptor: Resident	245 152	6 960 775	82,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DI	Shadow Receptor: Resident	245 154	6 960 617	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DJ	Shadow Receptor: Resident	245 110	6 960 578	85,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DK	Shadow Receptor: Resident	244 903	6 960 524	84,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DL	Shadow Receptor: Resident	244 948	6 960 532	84,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DM	Shadow Receptor: Resident	245 006	6 960 482	85,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DN	Shadow Receptor: Resident	245 064	6 960 546	85,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DO	Shadow Receptor: Resident	244 652	6 960 513	80,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DP	Shadow Receptor: Resident	244 718	6 960 513	82,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DQ	Shadow Receptor: Resident	244 812	6 960 505	83,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DR	Shadow Receptor: Resident	244 667	6 960 446	81,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DS	Shadow Receptor: Resident	244 724	6 960 431	82,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DT	Shadow Receptor: Resident	244 736	6 960 285	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DU	Shadow Receptor: Resident	244 650	6 960 382	82,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DV	Shadow Receptor: Resident	244 653	6 960 267	83,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DW	Shadow Receptor: Resident	244 142	6 960 107	77,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DX	Shadow Receptor: Resident	244 371	6 960 062	80,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DY	Shadow Receptor: Resident	244 486	6 960 099	81,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
DZ	Shadow Receptor: Resident	244 519	6 960 135	81,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EA	Shadow Receptor: Resident	244 442	6 960 036	81,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EB	Shadow Receptor: Resident	244 328	6 959 998	80,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EC	Shadow Receptor: Resident	244 310	6 959 966	80,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
ED	Shadow Receptor: Resident	244 269	6 959 907	80,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EE	Shadow Receptor: Resident	244 344	6 959 864	82,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EF	Shadow Receptor: Resident	244 204	6 959 819	80,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EG	Shadow Receptor: Resident	244 406	6 959 910	82,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EH	Shadow Receptor: Resident	244 399	6 959 808	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EI	Shadow Receptor: Resident	244 356	6 959 783	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EJ	Shadow Receptor: Resident	244 479	6 959 788	85,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EK	Shadow Receptor: Resident	244 431	6 959 641	85,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EL	Shadow Receptor: Resident	244 317	6 959 677	84,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EM	Shadow Receptor: Resident	244 331	6 959 649	84,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EN	Shadow Receptor: Resident	244 101	6 959 669	80,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EO	Shadow Receptor: Resident	244 112	6 959 615	81,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EP	Shadow Receptor: Resident	243 905	6 959 629	79,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EQ	Shadow Receptor: Resident	244 595	6 960 196	82,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
ER	Shadow Receptor: Resident	244 616	6 959 778	90,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
ES	Shadow Receptor: Resident	244 589	6 959 645	87,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
ET	Shadow Receptor: Resident	244 536	6 959 664	87,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EU	Shadow Receptor: Resident	244 502	6 959 546	87,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EV	Shadow Receptor: Resident	244 478	6 959 548	86,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EW	Shadow Receptor: Resident	243 971	6 959 542	80,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EX	Shadow Receptor: Resident	244 009	6 959 565	80,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EY	Shadow Receptor: Resident	244 175	6 959 558	83,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
EZ	Shadow Receptor: Resident	244 049	6 959 494	81,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FA	Shadow Receptor: Resident	243 998	6 959 445	81,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FB	Shadow Receptor: Resident	244 298	6 959 540	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FC	Shadow Receptor: Resident	244 302	6 959 564	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FD	Shadow Receptor: Resident	244 248	6 959 490	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FE	Shadow Receptor: Resident	244 207	6 959 474	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FF	Shadow Receptor: Resident	244 388	6 959 596	85,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FG	Shadow Receptor: Resident	244 438	6 959 574	86,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FH	Shadow Receptor: Resident	244 452	6 959 494	86,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FI	Shadow Receptor: Resident	244 295	6 959 436	85,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FJ	Shadow Receptor: Resident	243 856	6 959 184	82,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FK	Shadow Receptor: Resident	243 897	6 958 956	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FL	Shadow Receptor: Resident	243 947	6 959 094	84,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FM	Shadow Receptor: Resident	243 955	6 958 936	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FN	Shadow Receptor: Resident	243 775	6 959 023	83,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FO	Shadow Receptor: Resident	243 546	6 959 026	83,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FP	Shadow Receptor: Resident	243 843	6 958 854	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	East	North	Z	Width	Height	Height a.g.l.	Degrees from south cw	Slope of window	Direction mode
				[m]	[m]	[m]	[m]	[°]	[°]	
FQ	Shadow Receptor: Resident	243 909	6 958 883	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FR	Shadow Receptor: Resident	243 809	6 958 843	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FS	Shadow Receptor: Resident	243 782	6 958 808	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FT	Shadow Receptor: Resident	243 665	6 958 911	84,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FU	Shadow Receptor: Resident	243 692	6 958 819	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FV	Shadow Receptor: Resident	243 698	6 958 863	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FW	Shadow Receptor: Resident	243 651	6 958 832	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FX	Shadow Receptor: Resident	243 615	6 958 844	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FY	Shadow Receptor: Resident	243 596	6 958 778	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
FZ	Shadow Receptor: Resident	243 715	6 958 764	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GA	Shadow Receptor: Resident	243 663	6 958 694	85,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GB	Shadow Receptor: Resident	243 595	6 958 484	88,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GC	Shadow Receptor: Resident	243 595	6 958 422	89,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GD	Shadow Receptor: Resident	244 272	6 958 461	88,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GE	Shadow Receptor: Resident	259 584	6 953 835	92,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GF	Shadow Receptor: Resident	259 514	6 953 233	92,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GG	Shadow Receptor: Resident	259 456	6 952 525	97,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GH	Shadow Receptor: Resident	259 413	6 952 316	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GI	Shadow Receptor: Resident	259 283	6 953 979	96,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GJ	Shadow Receptor: Resident	259 382	6 953 479	93,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GK	Shadow Receptor: Resident	259 354	6 952 569	96,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GL	Shadow Receptor: Resident	258 930	6 952 560	99,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GM	Shadow Receptor: Resident	258 951	6 952 475	97,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GN	Shadow Receptor: Resident	259 357	6 952 361	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GO	Shadow Receptor: Resident	259 359	6 952 106	91,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GP	Shadow Receptor: Resident	259 323	6 952 117	91,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GQ	Shadow Receptor: Resident	259 187	6 952 081	92,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GR	Shadow Receptor: Resident	259 245	6 952 156	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GS	Shadow Receptor: Resident	259 132	6 952 122	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GT	Shadow Receptor: Resident	259 101	6 951 998	93,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GU	Shadow Receptor: Resident	255 749	6 952 550	150,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GV	Shadow Receptor: Resident	255 290	6 952 678	150,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GW	Shadow Receptor: Resident	255 286	6 952 460	150,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GX	Shadow Receptor: Resident	255 143	6 952 650	151,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GY	Shadow Receptor: Resident	252 381	6 951 240	150,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
GZ	Shadow Receptor: Resident	252 097	6 950 990	146,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HA	Shadow Receptor: Resident	251 988	6 951 012	145,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HB	Shadow Receptor: Resident	254 043	6 951 108	145,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HC	Shadow Receptor: Resident	253 062	6 950 768	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HD	Shadow Receptor: Resident	254 524	6 950 888	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HE	Shadow Receptor: Resident	254 806	6 950 843	143,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HF	Shadow Receptor: Resident	254 775	6 950 685	141,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HG	Shadow Receptor: Resident	254 958	6 950 694	142,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HH	Shadow Receptor: Resident	254 883	6 950 599	140,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HI	Shadow Receptor: Resident	254 729	6 950 620	141,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HJ	Shadow Receptor: Resident	255 605	6 950 685	160,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HK	Shadow Receptor: Resident	255 067	6 950 637	142,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HL	Shadow Receptor: Resident	251 705	6 950 921	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HM	Shadow Receptor: Resident	251 664	6 950 840	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HN	Shadow Receptor: Resident	251 744	6 950 880	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HO	Shadow Receptor: Resident	251 916	6 950 625	144,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HP	Shadow Receptor: Resident	251 880	6 950 456	144,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HQ	Shadow Receptor: Resident	251 794	6 950 435	143,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HR	Shadow Receptor: Resident	251 590	6 950 509	143,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HS	Shadow Receptor: Resident	251 546	6 950 738	144,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HT	Shadow Receptor: Resident	251 445	6 950 555	144,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HU	Shadow Receptor: Resident	251 289	6 950 571	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HV	Shadow Receptor: Resident	251 355	6 950 607	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HW	Shadow Receptor: Resident	251 894	6 950 344	143,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HX	Shadow Receptor: Resident	251 905	6 950 056	143,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HY	Shadow Receptor: Resident	251 794	6 950 004	142,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
HZ	Shadow Receptor: Resident	252 688	6 950 875	145,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IA	Shadow Receptor: Resident	252 877	6 950 794	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	East	North	Z	Width	Height	Height a.g.l.	Degrees from south cw	Slope of window	Direction mode
				[m]	[m]	[m]	[m]	[°]	[°]	
IB	Shadow Receptor: Resident	252 829	6 950 538	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IC	Shadow Receptor: Resident	252 565	6 950 373	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
ID	Shadow Receptor: Resident	251 982	6 950 385	144,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IE	Shadow Receptor: Resident	252 014	6 950 224	144,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IF	Shadow Receptor: Resident	252 326	6 950 276	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IG	Shadow Receptor: Resident	252 080	6 950 097	144,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IH	Shadow Receptor: Resident	251 438	6 949 055	135,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
II	Shadow Receptor: Resident	251 410	6 948 917	135,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IJ	Shadow Receptor: Resident	251 380	6 948 693	133,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IK	Shadow Receptor: Resident	251 309	6 948 538	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IL	Shadow Receptor: Resident	251 383	6 948 510	131,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IM	Shadow Receptor: Resident	256 961	6 951 024	138,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IN	Shadow Receptor: Resident	256 641	6 951 255	141,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IO	Shadow Receptor: Resident	256 809	6 951 227	142,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IP	Shadow Receptor: Resident	256 438	6 951 027	132,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IQ	Shadow Receptor: Resident	256 385	6 951 061	133,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IR	Shadow Receptor: Resident	256 026	6 951 116	138,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IS	Shadow Receptor: Resident	256 091	6 950 951	132,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IT	Shadow Receptor: Resident	259 280	6 951 735	90,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IU	Shadow Receptor: Resident	259 143	6 951 726	90,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IV	Shadow Receptor: Resident	259 115	6 951 642	90,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IW	Shadow Receptor: Resident	259 115	6 951 683	90,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IX	Shadow Receptor: Resident	258 995	6 951 745	93,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IY	Shadow Receptor: Resident	259 068	6 951 568	90,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
IZ	Shadow Receptor: Resident	258 722	6 951 341	92,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JA	Shadow Receptor: Resident	258 688	6 950 887	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JB	Shadow Receptor: Resident	258 605	6 950 696	92,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JC	Shadow Receptor: Resident	258 629	6 950 552	90,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JD	Shadow Receptor: Resident	258 617	6 950 270	89,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JE	Shadow Receptor: Resident	256 236	6 950 892	129,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JF	Shadow Receptor: Resident	256 485	6 950 433	121,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JG	Shadow Receptor: Resident	256 382	6 950 568	124,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JH	Shadow Receptor: Resident	256 095	6 950 238	121,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JI	Shadow Receptor: Resident	255 904	6 950 252	123,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JJ	Shadow Receptor: Resident	256 314	6 950 422	122,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JK	Shadow Receptor: Resident	256 442	6 950 414	121,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JL	Shadow Receptor: Resident	256 543	6 950 345	120,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JM	Shadow Receptor: Resident	256 443	6 950 315	120,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JN	Shadow Receptor: Resident	255 781	6 950 373	126,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JO	Shadow Receptor: Resident	255 775	6 950 330	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JP	Shadow Receptor: Resident	256 994	6 950 856	131,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JQ	Shadow Receptor: Resident	257 037	6 950 664	126,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JR	Shadow Receptor: Resident	257 046	6 950 524	124,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JS	Shadow Receptor: Resident	256 970	6 950 444	121,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JT	Shadow Receptor: Resident	256 625	6 950 705	125,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JU	Shadow Receptor: Resident	256 633	6 950 517	122,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JV	Shadow Receptor: Resident	256 717	6 950 233	119,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JW	Shadow Receptor: Resident	256 837	6 950 266	120,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JX	Shadow Receptor: Resident	256 980	6 950 393	120,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JY	Shadow Receptor: Resident	257 050	6 950 386	121,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
JZ	Shadow Receptor: Resident	251 192	6 948 452	130,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KA	Shadow Receptor: Resident	251 172	6 948 430	130,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KB	Shadow Receptor: Resident	251 203	6 948 345	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KC	Shadow Receptor: Resident	251 121	6 948 290	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KD	Shadow Receptor: Resident	251 104	6 948 256	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KE	Shadow Receptor: Resident	251 354	6 948 317	132,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KF	Shadow Receptor: Resident	251 238	6 948 183	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KG	Shadow Receptor: Resident	251 225	6 948 142	129,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KH	Shadow Receptor: Resident	251 212	6 947 980	126,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KI	Shadow Receptor: Resident	251 214	6 947 877	125,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KJ	Shadow Receptor: Resident	251 237	6 947 690	125,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KK	Shadow Receptor: Resident	251 190	6 948 215	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KL	Shadow Receptor: Resident	251 157	6 948 136	128,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	East	North	Z	Width	Height	Height a.g.l.	Degrees from south cw	Slope of window	Direction mode
				[m]	[m]	[m]	[m]	[°]	[°]	
KM	Shadow Receptor: Resident	251 178	6 947 972	125,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KN	Shadow Receptor: Resident	251 194	6 947 763	125,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KO	Shadow Receptor: Resident	251 147	6 947 648	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KP	Shadow Receptor: Resident	251 178	6 947 682	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KQ	Shadow Receptor: Resident	251 134	6 947 624	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KR	Shadow Receptor: Resident	251 030	6 947 682	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KS	Shadow Receptor: Resident	251 100	6 947 544	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KT	Shadow Receptor: Resident	250 921	6 947 436	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KU	Shadow Receptor: Resident	250 684	6 947 156	120,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KV	Shadow Receptor: Resident	250 818	6 947 265	122,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KW	Shadow Receptor: Resident	250 762	6 947 278	122,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KX	Shadow Receptor: Resident	250 745	6 947 149	120,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KY	Shadow Receptor: Resident	250 751	6 947 021	120,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
KZ	Shadow Receptor: Resident	250 449	6 946 827	120,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LA	Shadow Receptor: Resident	250 380	6 946 691	120,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LB	Shadow Receptor: Resident	250 453	6 946 670	120,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LC	Shadow Receptor: Resident	250 421	6 946 567	120,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LD	Shadow Receptor: Resident	249 856	6 946 159	124,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LE	Shadow Receptor: Resident	249 852	6 946 127	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LF	Shadow Receptor: Resident	249 829	6 945 739	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LG	Shadow Receptor: Resident	249 911	6 945 548	123,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LH	Shadow Receptor: Resident	249 856	6 945 432	124,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LI	Shadow Receptor: Resident	249 954	6 945 380	123,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LJ	Shadow Receptor: Resident	249 861	6 945 223	124,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LK	Shadow Receptor: Resident	249 775	6 945 184	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LL	Shadow Receptor: Resident	248 429	6 945 307	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LM	Shadow Receptor: Resident	248 405	6 945 273	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LN	Shadow Receptor: Resident	248 327	6 945 204	122,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LO	Shadow Receptor: Resident	248 199	6 944 750	120,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LP	Shadow Receptor: Resident	244 214	6 953 170	120,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LQ	Shadow Receptor: Resident	245 835	6 949 001	111,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LR	Shadow Receptor: Resident	245 445	6 949 030	108,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LS	Shadow Receptor: Resident	245 481	6 948 994	109,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LT	Shadow Receptor: Resident	245 355	6 948 922	105,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LU	Shadow Receptor: Resident	245 543	6 948 562	108,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LV	Shadow Receptor: Resident	245 042	6 948 769	115,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LW	Shadow Receptor: Resident	245 043	6 948 740	114,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LX	Shadow Receptor: Resident	244 995	6 948 705	115,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LY	Shadow Receptor: Resident	245 005	6 948 611	111,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
LZ	Shadow Receptor: Resident	245 062	6 948 621	110,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MA	Shadow Receptor: Resident	245 001	6 948 565	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MB	Shadow Receptor: Resident	247 360	6 945 419	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MC	Shadow Receptor: Resident	247 265	6 945 177	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MD	Shadow Receptor: Resident	244 958	6 947 753	105,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
ME	Shadow Receptor: Resident	245 059	6 947 793	106,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MF	Shadow Receptor: Resident	245 075	6 947 704	106,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MG	Shadow Receptor: Resident	244 975	6 947 675	105,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MH	Shadow Receptor: Resident	244 919	6 947 287	104,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MI	Shadow Receptor: Resident	244 931	6 947 221	104,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MJ	Shadow Receptor: Resident	245 137	6 947 186	104,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MK	Shadow Receptor: Resident	245 047	6 946 709	100,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
ML	Shadow Receptor: Resident	245 000	6 946 745	101,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MM	Shadow Receptor: Resident	244 972	6 946 713	101,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MN	Shadow Receptor: Resident	244 980	6 946 583	101,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MO	Shadow Receptor: Resident	245 020	6 946 586	100,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MP	Shadow Receptor: Resident	245 068	6 946 522	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MQ	Shadow Receptor: Resident	245 480	6 948 066	109,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MR	Shadow Receptor: Resident	245 480	6 948 005	109,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MS	Shadow Receptor: Resident	245 452	6 947 953	109,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MT	Shadow Receptor: Resident	245 430	6 947 887	109,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MU	Shadow Receptor: Resident	245 380	6 947 785	110,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MV	Shadow Receptor: Resident	245 348	6 947 731	110,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MW	Shadow Receptor: Resident	245 311	6 947 735	109,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	East	North	Z	Width	Height	Height a.g.l.	Degrees from south cw	Slope of window	Direction mode
				[m]	[m]	[m]	[m]	[°]	[°]	
MX	Shadow Receptor: Resident	245 299	6 947 625	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MY	Shadow Receptor: Resident	245 309	6 947 604	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
MZ	Shadow Receptor: Resident	245 304	6 947 556	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NA	Shadow Receptor: Resident	245 267	6 947 562	109,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NB	Shadow Receptor: Resident	245 212	6 947 603	108,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NC	Shadow Receptor: Resident	245 237	6 947 578	108,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
ND	Shadow Receptor: Resident	245 311	6 947 415	108,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NE	Shadow Receptor: Resident	245 323	6 947 302	107,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NF	Shadow Receptor: Resident	245 215	6 947 260	105,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NG	Shadow Receptor: Resident	245 214	6 947 091	105,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NH	Shadow Receptor: Resident	245 211	6 947 122	105,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NI	Shadow Receptor: Resident	246 063	6 947 424	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NJ	Shadow Receptor: Resident	246 042	6 947 377	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NK	Shadow Receptor: Resident	246 030	6 947 255	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NL	Shadow Receptor: Resident	246 142	6 947 293	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NM	Shadow Receptor: Resident	245 323	6 946 831	105,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NN	Shadow Receptor: Resident	245 270	6 946 752	105,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NO	Shadow Receptor: Resident	245 107	6 946 271	101,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NP	Shadow Receptor: Resident	245 088	6 946 230	101,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NQ	Shadow Receptor: Resident	245 152	6 945 826	101,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NR	Shadow Receptor: Resident	245 014	6 945 946	101,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NS	Shadow Receptor: Resident	246 249	6 945 842	104,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NT	Shadow Receptor: Resident	245 844	6 945 635	102,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NU	Shadow Receptor: Resident	247 092	6 945 044	109,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NV	Shadow Receptor: Resident	247 146	6 945 086	109,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NW	Shadow Receptor: Resident	247 101	6 944 972	109,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NX	Shadow Receptor: Resident	245 965	6 947 382	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NY	Shadow Receptor: Resident	251 451	6 944 267	121,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
NZ	Shadow Receptor: Resident	251 275	6 943 986	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OA	Shadow Receptor: Resident	251 241	6 943 950	125,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OB	Shadow Receptor: Resident	251 036	6 942 536	125,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OC	Shadow Receptor: Resident	251 069	6 942 391	124,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OD	Shadow Receptor: Resident	249 911	6 945 548	123,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OE	Shadow Receptor: Resident	249 856	6 945 432	124,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OF	Shadow Receptor: Resident	249 954	6 945 380	123,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OG	Shadow Receptor: Resident	249 861	6 945 223	124,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OH	Shadow Receptor: Resident	249 775	6 945 184	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OI	Shadow Receptor: Resident	249 752	6 944 801	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OJ	Shadow Receptor: Resident	249 799	6 944 808	124,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OK	Shadow Receptor: Resident	249 739	6 944 563	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OL	Shadow Receptor: Resident	248 429	6 945 307	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OM	Shadow Receptor: Resident	248 405	6 945 273	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
ON	Shadow Receptor: Resident	248 327	6 945 204	122,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OO	Shadow Receptor: Resident	248 199	6 944 750	120,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OP	Shadow Receptor: Resident	247 360	6 945 419	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OQ	Shadow Receptor: Resident	247 265	6 945 177	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OR	Shadow Receptor: Resident	247 092	6 945 044	109,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OS	Shadow Receptor: Resident	247 146	6 945 086	109,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OT	Shadow Receptor: Resident	247 101	6 944 972	109,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OU	Shadow Receptor: Resident	246 001	6 944 275	100,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OV	Shadow Receptor: Resident	245 998	6 944 187	100,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OW	Shadow Receptor: Resident	246 050	6 944 428	101,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OX	Shadow Receptor: Resident	246 211	6 944 326	103,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OY	Shadow Receptor: Resident	245 885	6 944 101	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
OZ	Shadow Receptor: Resident	245 049	6 943 079	95,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PA	Shadow Receptor: Resident	244 882	6 942 870	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PB	Shadow Receptor: Resident	245 704	6 943 743	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PC	Shadow Receptor: Resident	245 548	6 943 544	99,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PD	Shadow Receptor: Resident	245 285	6 943 589	96,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PE	Shadow Receptor: Resident	245 237	6 943 545	95,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PF	Shadow Receptor: Resident	245 228	6 943 492	95,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PG	Shadow Receptor: Resident	245 292	6 943 488	96,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PH	Shadow Receptor: Resident	245 645	6 942 198	98,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	East	North	Z	Width	Height	Height a.g.l.	Degrees from south cw	Slope of window	Direction mode
				[m]	[m]	[m]	[m]	[°]	[°]	
PI	Shadow Receptor: Resident	245 410	6 942 566	98,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PJ	Shadow Receptor: Resident	245 409	6 942 467	98,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PK	Shadow Receptor: Resident	245 460	6 942 303	97,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PL	Shadow Receptor: Resident	245 573	6 942 178	98,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PM	Shadow Receptor: Resident	245 583	6 942 146	98,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PN	Shadow Receptor: Resident	245 585	6 942 117	98,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PO	Shadow Receptor: Resident	245 487	6 942 160	97,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PP	Shadow Receptor: Resident	245 529	6 942 055	98,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PQ	Shadow Receptor: Resident	245 615	6 942 048	98,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PR	Shadow Receptor: Resident	250 908	6 941 772	122,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PS	Shadow Receptor: Resident	250 868	6 941 558	120,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PT	Shadow Receptor: Resident	250 809	6 941 445	122,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PU	Shadow Receptor: Resident	250 885	6 941 372	119,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PV	Shadow Receptor: Resident	250 767	6 941 167	120,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PW	Shadow Receptor: Resident	250 843	6 940 962	118,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PX	Shadow Receptor: Resident	250 398	6 939 978	122,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PY	Shadow Receptor: Resident	250 380	6 939 949	122,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
PZ	Shadow Receptor: Resident	250 417	6 939 682	120,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QA	Shadow Receptor: Resident	250 347	6 939 637	120,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QB	Shadow Receptor: Resident	250 290	6 939 462	119,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QC	Shadow Receptor: Resident	245 627	6 941 856	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QD	Shadow Receptor: Resident	245 663	6 941 758	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QE	Shadow Receptor: Resident	245 679	6 941 590	99,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QF	Shadow Receptor: Resident	245 577	6 941 587	98,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QG	Shadow Receptor: Resident	246 116	6 941 937	102,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QH	Shadow Receptor: Resident	245 955	6 941 591	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QI	Shadow Receptor: Resident	245 782	6 941 737	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QJ	Shadow Receptor: Resident	245 797	6 941 589	99,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QK	Shadow Receptor: Resident	245 933	6 941 283	99,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QL	Shadow Receptor: Resident	245 929	6 941 207	99,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QM	Shadow Receptor: Resident	245 890	6 941 020	99,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QN	Shadow Receptor: Resident	245 798	6 941 005	98,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QO	Shadow Receptor: Resident	245 610	6 941 537	98,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QP	Shadow Receptor: Resident	246 613	6 940 564	100,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QQ	Shadow Receptor: Resident	246 543	6 940 358	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QR	Shadow Receptor: Resident	246 431	6 940 308	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QS	Shadow Receptor: Resident	245 825	6 940 877	98,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QT	Shadow Receptor: Resident	245 823	6 940 714	97,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QU	Shadow Receptor: Resident	245 795	6 940 518	95,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QV	Shadow Receptor: Resident	245 869	6 940 539	96,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QW	Shadow Receptor: Resident	245 890	6 940 479	95,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QX	Shadow Receptor: Resident	245 922	6 940 398	95,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QY	Shadow Receptor: Resident	245 747	6 940 166	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
QZ	Shadow Receptor: Resident	245 914	6 940 248	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RA	Shadow Receptor: Resident	245 978	6 940 275	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RB	Shadow Receptor: Resident	245 999	6 940 203	95,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RC	Shadow Receptor: Cottage	250 110	6 964 645	83,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RD	Shadow Receptor: Cottage	250 186	6 964 775	84,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RE	Shadow Receptor: Cottage	252 204	6 964 405	125,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RF	Shadow Receptor: Cottage	251 637	6 963 664	128,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RG	Shadow Receptor: Cottage	250 084	6 962 889	114,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RH	Shadow Receptor: Cottage	248 950	6 962 135	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RI	Shadow Receptor: Cottage	249 196	6 961 349	117,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RJ	Shadow Receptor: Cottage	256 823	6 963 388	106,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RK	Shadow Receptor: Cottage	255 530	6 964 416	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RL	Shadow Receptor: Cottage	255 440	6 964 394	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RM	Shadow Receptor: Cottage	255 237	6 964 343	130,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RN	Shadow Receptor: Cottage	255 270	6 964 316	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RO	Shadow Receptor: Cottage	255 249	6 964 325	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RP	Shadow Receptor: Cottage	255 288	6 964 312	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RQ	Shadow Receptor: Cottage	255 302	6 964 315	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RR	Shadow Receptor: Cottage	255 344	6 964 331	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RS	Shadow Receptor: Cottage	255 573	6 964 405	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	East	North	Z	Width	Height	Height a.g.l.	Degrees from south cw	Slope of window	Direction mode
				[m]	[m]	[m]	[m]	[°]	[°]	
RT	Shadow Receptor: Cottage	255 601	6 964 404	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RU	Shadow Receptor: Cottage	255 785	6 964 293	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RV	Shadow Receptor: Cottage	255 588	6 964 219	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RW	Shadow Receptor: Cottage	255 623	6 964 195	132,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RX	Shadow Receptor: Cottage	255 580	6 964 194	130,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RY	Shadow Receptor: Cottage	255 549	6 964 150	132,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
RZ	Shadow Receptor: Cottage	255 317	6 964 090	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SA	Shadow Receptor: Cottage	255 294	6 964 062	132,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SB	Shadow Receptor: Cottage	255 254	6 964 060	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SC	Shadow Receptor: Cottage	255 240	6 964 045	130,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SD	Shadow Receptor: Cottage	255 213	6 964 043	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SE	Shadow Receptor: Cottage	255 441	6 964 101	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SF	Shadow Receptor: Cottage	255 487	6 964 103	132,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SG	Shadow Receptor: Cottage	255 506	6 964 134	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SH	Shadow Receptor: Cottage	255 384	6 964 090	130,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SI	Shadow Receptor: Cottage	255 412	6 964 088	131,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SJ	Shadow Receptor: Cottage	255 507	6 963 959	140,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SK	Shadow Receptor: Cottage	258 162	6 960 933	94,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SL	Shadow Receptor: Cottage	255 878	6 962 207	131,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SM	Shadow Receptor: Cottage	255 973	6 960 951	120,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SN	Shadow Receptor: Cottage	252 789	6 964 903	128,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SO	Shadow Receptor: Cottage	254 908	6 964 124	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SP	Shadow Receptor: Cottage	254 710	6 964 000	130,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SQ	Shadow Receptor: Cottage	255 165	6 964 306	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SR	Shadow Receptor: Cottage	255 166	6 964 288	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SS	Shadow Receptor: Cottage	255 139	6 964 270	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
ST	Shadow Receptor: Cottage	255 123	6 964 231	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SU	Shadow Receptor: Cottage	255 079	6 964 198	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SV	Shadow Receptor: Cottage	255 036	6 964 192	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SW	Shadow Receptor: Cottage	255 062	6 964 194	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SX	Shadow Receptor: Cottage	255 019	6 964 195	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SY	Shadow Receptor: Cottage	255 160	6 963 957	135,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
SZ	Shadow Receptor: Cottage	255 141	6 963 980	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TA	Shadow Receptor: Cottage	255 174	6 963 997	132,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TB	Shadow Receptor: Cottage	255 138	6 963 932	135,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TC	Shadow Receptor: Cottage	255 119	6 963 952	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TD	Shadow Receptor: Cottage	255 097	6 963 905	132,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TE	Shadow Receptor: Cottage	254 993	6 963 828	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TF	Shadow Receptor: Cottage	254 994	6 963 782	134,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TG	Shadow Receptor: Cottage	254 953	6 963 759	132,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TH	Shadow Receptor: Cottage	254 549	6 963 731	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TI	Shadow Receptor: Cottage	254 858	6 963 708	131,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TJ	Shadow Receptor: Cottage	254 814	6 963 669	132,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TK	Shadow Receptor: Cottage	254 692	6 963 619	130,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TL	Shadow Receptor: Cottage	254 766	6 963 654	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TM	Shadow Receptor: Cottage	254 720	6 963 629	131,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TN	Shadow Receptor: Cottage	253 715	6 963 152	140,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TO	Shadow Receptor: Cottage	254 745	6 962 704	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TP	Shadow Receptor: Cottage	254 792	6 962 749	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TQ	Shadow Receptor: Cottage	254 761	6 962 674	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TR	Shadow Receptor: Cottage	254 667	6 962 550	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TS	Shadow Receptor: Cottage	256 662	6 959 918	117,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TT	Shadow Receptor: Cottage	256 026	6 959 173	127,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TU	Shadow Receptor: Cottage	256 482	6 957 492	123,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TV	Shadow Receptor: Cottage	257 341	6 956 505	119,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TW	Shadow Receptor: Cottage	256 591	6 956 895	135,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TX	Shadow Receptor: Cottage	256 529	6 956 848	135,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TY	Shadow Receptor: Cottage	256 250	6 956 119	140,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
TZ	Shadow Receptor: Cottage	255 128	6 955 271	158,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UA	Shadow Receptor: Cottage	245 495	6 962 442	76,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UB	Shadow Receptor: Cottage	245 370	6 962 161	75,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UC	Shadow Receptor: Cottage	244 285	6 959 785	83,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UD	Shadow Receptor: Cottage	243 733	6 959 856	75,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

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No.	Name	East	North	Z	Width	Height	Height a.g.l.	Degrees from south cw	Slope of window	Direction mode
				[m]	[m]	[m]	[m]	[°]	[°]	
UE	Shadow Receptor: Cottage	246 248	6 960 339	93,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UF	Shadow Receptor: Cottage	245 268	6 960 368	88,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UG	Shadow Receptor: Cottage	243 523	6 958 525	89,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UH	Shadow Receptor: Cottage	243 562	6 957 659	95,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UI	Shadow Receptor: Cottage	243 586	6 957 544	93,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UJ	Shadow Receptor: Cottage	243 669	6 957 453	92,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UK	Shadow Receptor: Cottage	243 701	6 957 325	91,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UL	Shadow Receptor: Cottage	255 574	6 952 603	150,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UM	Shadow Receptor: Cottage	255 613	6 952 602	150,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UN	Shadow Receptor: Cottage	255 527	6 952 598	150,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UO	Shadow Receptor: Cottage	254 503	6 953 936	164,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UP	Shadow Receptor: Cottage	251 260	6 951 158	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UQ	Shadow Receptor: Cottage	253 769	6 951 432	148,8	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UR	Shadow Receptor: Cottage	253 620	6 951 175	145,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
US	Shadow Receptor: Cottage	254 232	6 950 723	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UT	Shadow Receptor: Cottage	254 253	6 950 519	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UU	Shadow Receptor: Cottage	254 261	6 950 528	145,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UV	Shadow Receptor: Cottage	256 699	6 951 637	150,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UW	Shadow Receptor: Cottage	255 972	6 951 056	139,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UX	Shadow Receptor: Cottage	258 233	6 950 726	105,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UY	Shadow Receptor: Cottage	251 303	6 947 486	125,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
UZ	Shadow Receptor: Cottage	249 148	6 950 309	170,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VA	Shadow Receptor: Cottage	248 954	6 950 307	170,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
WA	Shadow Receptor: Cottage	245 753	6 940 719	96,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VB	Shadow Receptor: Cottage	249 018	6 950 161	170,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
WB	Shadow Receptor: Cottage	244 740	6 940 530	90,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VC	Shadow Receptor: Cottage	248 910	6 950 111	170,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
WC	Shadow Receptor: Cottage	247 873	6 940 686	111,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VD	Shadow Receptor: Cottage	249 809	6 946 291	124,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
WD	Shadow Receptor: Cottage	251 102	6 955 721	165,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VE	Shadow Receptor: Cottage	250 300	6 947 027	121,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
WE	Shadow Receptor: Cottage	250 209	6 954 258	165,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VF	Shadow Receptor: Cottage	250 455	6 947 413	125,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VG	Shadow Receptor: Cottage	250 365	6 947 153	122,5	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VH	Shadow Receptor: Cottage	250 343	6 947 015	121,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VI	Shadow Receptor: Cottage	246 075	6 949 686	115,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VJ	Shadow Receptor: Cottage	245 715	6 949 502	113,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VK	Shadow Receptor: Cottage	245 747	6 948 753	110,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VL	Shadow Receptor: Cottage	243 976	6 950 714	124,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VM	Shadow Receptor: Cottage	245 566	6 948 260	109,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VN	Shadow Receptor: Cottage	245 311	6 948 057	106,9	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VO	Shadow Receptor: Cottage	245 590	6 948 125	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VP	Shadow Receptor: Cottage	245 406	6 947 731	112,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VQ	Shadow Receptor: Cottage	247 160	6 946 030	110,7	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VR	Shadow Receptor: Cottage	246 037	6 956 991	126,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VS	Shadow Receptor: Cottage	246 159	6 956 982	129,2	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VT	Shadow Receptor: Cottage	244 206	6 953 169	120,4	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VU	Shadow Receptor: Cottage	250 908	6 943 621	127,6	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VV	Shadow Receptor: Cottage	251 119	6 943 671	127,3	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VW	Shadow Receptor: Cottage	250 932	6 943 437	129,1	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VX	Shadow Receptor: Cottage	245 325	6 945 071	100,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VY	Shadow Receptor: Cottage	249 633	6 940 073	130,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"
VZ	Shadow Receptor: Cottage	247 570	6 939 691	110,0	5,0	5,0	1,0	0,0	90,0	"Green house mode"

Calculation Results

Shadow receptor

		Shadow, worst case			Shadow, expected values	
No.	Name	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]	
A	Shadow Receptor: Resident	0:00	0	0:00	0:00	
B	Shadow Receptor: Resident	0:00	0	0:00	0:00	

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
		Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
C	Shadow Receptor: Resident	0:00	0	0:00	0:00
D	Shadow Receptor: Resident	0:00	0	0:00	0:00
E	Shadow Receptor: Resident	0:00	0	0:00	0:00
F	Shadow Receptor: Resident	0:00	0	0:00	0:00
G	Shadow Receptor: Resident	0:00	0	0:00	0:00
H	Shadow Receptor: Resident	0:00	0	0:00	0:00
I	Shadow Receptor: Resident	0:00	0	0:00	0:00
J	Shadow Receptor: Resident	0:00	0	0:00	0:00
K	Shadow Receptor: Resident	0:00	0	0:00	0:00
L	Shadow Receptor: Resident	0:00	0	0:00	0:00
M	Shadow Receptor: Resident	0:00	0	0:00	0:00
N	Shadow Receptor: Resident	0:00	0	0:00	0:00
O	Shadow Receptor: Resident	0:00	0	0:00	0:00
P	Shadow Receptor: Resident	0:00	0	0:00	0:00
Q	Shadow Receptor: Resident	0:00	0	0:00	0:00
R	Shadow Receptor: Resident	0:00	0	0:00	0:00
S	Shadow Receptor: Resident	0:00	0	0:00	0:00
T	Shadow Receptor: Resident	0:00	0	0:00	0:00
U	Shadow Receptor: Resident	0:00	0	0:00	0:00
V	Shadow Receptor: Resident	0:00	0	0:00	0:00
W	Shadow Receptor: Resident	0:00	0	0:00	0:00
X	Shadow Receptor: Resident	0:00	0	0:00	0:00
Y	Shadow Receptor: Resident	0:00	0	0:00	0:00
Z	Shadow Receptor: Resident	0:00	0	0:00	0:00
AA	Shadow Receptor: Resident	0:00	0	0:00	0:00
AB	Shadow Receptor: Resident	0:00	0	0:00	0:00
AC	Shadow Receptor: Resident	0:00	0	0:00	0:00
AD	Shadow Receptor: Resident	0:00	0	0:00	0:00
AE	Shadow Receptor: Resident	0:00	0	0:00	0:00
AF	Shadow Receptor: Resident	0:00	0	0:00	0:00
AG	Shadow Receptor: Resident	0:00	0	0:00	0:00
AH	Shadow Receptor: Resident	0:00	0	0:00	0:00
AI	Shadow Receptor: Resident	0:00	0	0:00	0:00
AJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
AK	Shadow Receptor: Resident	0:00	0	0:00	0:00
AL	Shadow Receptor: Resident	0:00	0	0:00	0:00
AM	Shadow Receptor: Resident	0:00	0	0:00	0:00
AN	Shadow Receptor: Resident	0:00	0	0:00	0:00
AO	Shadow Receptor: Resident	0:00	0	0:00	0:00
AP	Shadow Receptor: Resident	0:00	0	0:00	0:00
AQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
AR	Shadow Receptor: Resident	0:00	0	0:00	0:00
AS	Shadow Receptor: Resident	0:00	0	0:00	0:00
AT	Shadow Receptor: Resident	0:00	0	0:00	0:00
AU	Shadow Receptor: Resident	0:00	0	0:00	0:00
AV	Shadow Receptor: Resident	0:00	0	0:00	0:00
AW	Shadow Receptor: Resident	0:00	0	0:00	0:00
AX	Shadow Receptor: Resident	0:00	0	0:00	0:00
AY	Shadow Receptor: Resident	0:00	0	0:00	0:00
AZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
BA	Shadow Receptor: Resident	0:00	0	0:00	0:00
BB	Shadow Receptor: Resident	0:00	0	0:00	0:00
BC	Shadow Receptor: Resident	0:00	0	0:00	0:00
BD	Shadow Receptor: Resident	0:00	0	0:00	0:00
BE	Shadow Receptor: Resident	0:00	0	0:00	0:00
BF	Shadow Receptor: Resident	44:29	93	0:44	6:38
BG	Shadow Receptor: Resident	0:00	0	0:00	0:00
BH	Shadow Receptor: Resident	0:00	0	0:00	0:00
BI	Shadow Receptor: Resident	0:00	0	0:00	0:00
BJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
BK	Shadow Receptor: Resident	0:00	0	0:00	0:00
BL	Shadow Receptor: Resident	0:00	0	0:00	0:00

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SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
		Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
BM	Shadow Receptor: Resident	0:00	0	0:00	0:00
BN	Shadow Receptor: Resident	0:00	0	0:00	0:00
BO	Shadow Receptor: Resident	0:00	0	0:00	0:00
BP	Shadow Receptor: Resident	0:00	0	0:00	0:00
BQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
BR	Shadow Receptor: Resident	0:00	0	0:00	0:00
BS	Shadow Receptor: Resident	0:00	0	0:00	0:00
BT	Shadow Receptor: Resident	0:00	0	0:00	0:00
BU	Shadow Receptor: Resident	0:00	0	0:00	0:00
BV	Shadow Receptor: Resident	0:00	0	0:00	0:00
BW	Shadow Receptor: Resident	0:00	0	0:00	0:00
BX	Shadow Receptor: Resident	0:00	0	0:00	0:00
BY	Shadow Receptor: Resident	0:00	0	0:00	0:00
BZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
CA	Shadow Receptor: Resident	21:53	82	0:21	2:56
CB	Shadow Receptor: Resident	0:00	0	0:00	0:00
CC	Shadow Receptor: Resident	23:44	85	0:22	3:15
CD	Shadow Receptor: Resident	0:00	0	0:00	0:00
CE	Shadow Receptor: Resident	0:00	0	0:00	0:00
CF	Shadow Receptor: Resident	0:00	0	0:00	0:00
CG	Shadow Receptor: Resident	0:00	0	0:00	0:00
CH	Shadow Receptor: Resident	0:00	0	0:00	0:00
CI	Shadow Receptor: Resident	0:00	0	0:00	0:00
CJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
CK	Shadow Receptor: Resident	0:00	0	0:00	0:00
CL	Shadow Receptor: Resident	0:00	0	0:00	0:00
CM	Shadow Receptor: Resident	0:00	0	0:00	0:00
CN	Shadow Receptor: Resident	0:00	0	0:00	0:00
CO	Shadow Receptor: Resident	0:00	0	0:00	0:00
CP	Shadow Receptor: Resident	25:24	74	0:28	5:36
CQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
CR	Shadow Receptor: Resident	0:00	0	0:00	0:00
CS	Shadow Receptor: Resident	0:00	0	0:00	0:00
CT	Shadow Receptor: Resident	0:00	0	0:00	0:00
CU	Shadow Receptor: Resident	0:00	0	0:00	0:00
CV	Shadow Receptor: Resident	0:00	0	0:00	0:00
CW	Shadow Receptor: Resident	0:00	0	0:00	0:00
CX	Shadow Receptor: Resident	0:00	0	0:00	0:00
CY	Shadow Receptor: Resident	0:00	0	0:00	0:00
CZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
DA	Shadow Receptor: Resident	0:00	0	0:00	0:00
DB	Shadow Receptor: Resident	0:00	0	0:00	0:00
DC	Shadow Receptor: Resident	0:00	0	0:00	0:00
DD	Shadow Receptor: Resident	0:00	0	0:00	0:00
DE	Shadow Receptor: Resident	0:00	0	0:00	0:00
DF	Shadow Receptor: Resident	0:00	0	0:00	0:00
DG	Shadow Receptor: Resident	0:00	0	0:00	0:00
DH	Shadow Receptor: Resident	0:00	0	0:00	0:00
DI	Shadow Receptor: Resident	0:00	0	0:00	0:00
DJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
DK	Shadow Receptor: Resident	0:00	0	0:00	0:00
DL	Shadow Receptor: Resident	0:00	0	0:00	0:00
DM	Shadow Receptor: Resident	0:00	0	0:00	0:00
DN	Shadow Receptor: Resident	0:00	0	0:00	0:00
DO	Shadow Receptor: Resident	0:00	0	0:00	0:00
DP	Shadow Receptor: Resident	0:00	0	0:00	0:00
DQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
DR	Shadow Receptor: Resident	0:00	0	0:00	0:00
DS	Shadow Receptor: Resident	0:00	0	0:00	0:00
DT	Shadow Receptor: Resident	0:00	0	0:00	0:00
DU	Shadow Receptor: Resident	0:00	0	0:00	0:00
DV	Shadow Receptor: Resident	0:00	0	0:00	0:00

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SHADOW - Main Result

Calculation: Viiatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
		Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
DW	Shadow Receptor: Resident	0:00	0	0:00	0:00
DX	Shadow Receptor: Resident	0:00	0	0:00	0:00
DY	Shadow Receptor: Resident	0:00	0	0:00	0:00
DZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
EA	Shadow Receptor: Resident	0:00	0	0:00	0:00
EB	Shadow Receptor: Resident	0:00	0	0:00	0:00
EC	Shadow Receptor: Resident	0:00	0	0:00	0:00
ED	Shadow Receptor: Resident	0:00	0	0:00	0:00
EE	Shadow Receptor: Resident	0:00	0	0:00	0:00
EF	Shadow Receptor: Resident	0:00	0	0:00	0:00
EG	Shadow Receptor: Resident	0:00	0	0:00	0:00
EH	Shadow Receptor: Resident	0:00	0	0:00	0:00
EI	Shadow Receptor: Resident	0:00	0	0:00	0:00
EJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
EK	Shadow Receptor: Resident	0:00	0	0:00	0:00
EL	Shadow Receptor: Resident	0:00	0	0:00	0:00
EM	Shadow Receptor: Resident	0:00	0	0:00	0:00
EN	Shadow Receptor: Resident	0:00	0	0:00	0:00
EO	Shadow Receptor: Resident	0:00	0	0:00	0:00
EP	Shadow Receptor: Resident	0:00	0	0:00	0:00
EQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
ER	Shadow Receptor: Resident	0:00	0	0:00	0:00
ES	Shadow Receptor: Resident	0:00	0	0:00	0:00
ET	Shadow Receptor: Resident	0:00	0	0:00	0:00
EU	Shadow Receptor: Resident	0:00	0	0:00	0:00
EV	Shadow Receptor: Resident	0:00	0	0:00	0:00
EW	Shadow Receptor: Resident	0:00	0	0:00	0:00
EX	Shadow Receptor: Resident	0:00	0	0:00	0:00
EY	Shadow Receptor: Resident	0:00	0	0:00	0:00
EZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
FA	Shadow Receptor: Resident	0:00	0	0:00	0:00
FB	Shadow Receptor: Resident	0:00	0	0:00	0:00
FC	Shadow Receptor: Resident	0:00	0	0:00	0:00
FD	Shadow Receptor: Resident	0:00	0	0:00	0:00
FE	Shadow Receptor: Resident	0:00	0	0:00	0:00
FF	Shadow Receptor: Resident	0:00	0	0:00	0:00
FG	Shadow Receptor: Resident	0:00	0	0:00	0:00
FH	Shadow Receptor: Resident	0:00	0	0:00	0:00
FI	Shadow Receptor: Resident	0:00	0	0:00	0:00
FJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
FK	Shadow Receptor: Resident	0:00	0	0:00	0:00
FL	Shadow Receptor: Resident	0:00	0	0:00	0:00
FM	Shadow Receptor: Resident	0:00	0	0:00	0:00
FN	Shadow Receptor: Resident	0:00	0	0:00	0:00
FO	Shadow Receptor: Resident	0:00	0	0:00	0:00
FP	Shadow Receptor: Resident	0:00	0	0:00	0:00
FQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
FR	Shadow Receptor: Resident	0:00	0	0:00	0:00
FS	Shadow Receptor: Resident	0:00	0	0:00	0:00
FT	Shadow Receptor: Resident	0:00	0	0:00	0:00
FU	Shadow Receptor: Resident	0:00	0	0:00	0:00
FV	Shadow Receptor: Resident	0:00	0	0:00	0:00
FW	Shadow Receptor: Resident	0:00	0	0:00	0:00
FX	Shadow Receptor: Resident	0:00	0	0:00	0:00
FY	Shadow Receptor: Resident	0:00	0	0:00	0:00
FZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
GA	Shadow Receptor: Resident	0:00	0	0:00	0:00
GB	Shadow Receptor: Resident	0:00	0	0:00	0:00
GC	Shadow Receptor: Resident	0:00	0	0:00	0:00
GD	Shadow Receptor: Resident	0:00	0	0:00	0:00
GE	Shadow Receptor: Resident	0:00	0	0:00	0:00
GF	Shadow Receptor: Resident	0:00	0	0:00	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

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No.	Name	Shadow, worst case			Shadow, expected values
		Shadow hours	Shadow days	Max shadow	Shadow hours
		per year [h/year]	per year [days/year]	hours per day [h/day]	per year [h/year]
	GG Shadow Receptor: Resident	0:00	0	0:00	0:00
	GH Shadow Receptor: Resident	0:00	0	0:00	0:00
	GI Shadow Receptor: Resident	0:00	0	0:00	0:00
	GJ Shadow Receptor: Resident	0:00	0	0:00	0:00
	GK Shadow Receptor: Resident	0:00	0	0:00	0:00
	GL Shadow Receptor: Resident	0:00	0	0:00	0:00
	GM Shadow Receptor: Resident	0:00	0	0:00	0:00
	GN Shadow Receptor: Resident	0:00	0	0:00	0:00
	GO Shadow Receptor: Resident	0:00	0	0:00	0:00
	GP Shadow Receptor: Resident	0:00	0	0:00	0:00
	GQ Shadow Receptor: Resident	0:00	0	0:00	0:00
	GR Shadow Receptor: Resident	0:00	0	0:00	0:00
	GS Shadow Receptor: Resident	0:00	0	0:00	0:00
	GT Shadow Receptor: Resident	0:00	0	0:00	0:00
	GU Shadow Receptor: Resident	0:00	0	0:00	0:00
	GV Shadow Receptor: Resident	0:00	0	0:00	0:00
	GW Shadow Receptor: Resident	0:00	0	0:00	0:00
	GX Shadow Receptor: Resident	0:00	0	0:00	0:00
	GY Shadow Receptor: Resident	0:00	0	0:00	0:00
	GZ Shadow Receptor: Resident	0:00	0	0:00	0:00
	HA Shadow Receptor: Resident	0:00	0	0:00	0:00
	HB Shadow Receptor: Resident	0:00	0	0:00	0:00
	HC Shadow Receptor: Resident	0:00	0	0:00	0:00
	HD Shadow Receptor: Resident	0:00	0	0:00	0:00
	HE Shadow Receptor: Resident	0:00	0	0:00	0:00
	HF Shadow Receptor: Resident	0:00	0	0:00	0:00
	HG Shadow Receptor: Resident	0:00	0	0:00	0:00
	HH Shadow Receptor: Resident	0:00	0	0:00	0:00
	HI Shadow Receptor: Resident	0:00	0	0:00	0:00
	HJ Shadow Receptor: Resident	0:00	0	0:00	0:00
	HK Shadow Receptor: Resident	0:00	0	0:00	0:00
	HL Shadow Receptor: Resident	0:00	0	0:00	0:00
	HM Shadow Receptor: Resident	6:36	27	0:19	1:12
	HN Shadow Receptor: Resident	0:00	0	0:00	0:00
	HO Shadow Receptor: Resident	0:00	0	0:00	0:00
	HP Shadow Receptor: Resident	0:00	0	0:00	0:00
	HQ Shadow Receptor: Resident	6:34	25	0:20	1:14
	HR Shadow Receptor: Resident	0:00	0	0:00	0:00
	HS Shadow Receptor: Resident	8:05	30	0:21	1:30
	HT Shadow Receptor: Resident	9:43	31	0:23	1:48
	HU Shadow Receptor: Resident	0:00	0	0:00	0:00
	HV Shadow Receptor: Resident	0:00	0	0:00	0:00
	HW Shadow Receptor: Resident	5:53	25	0:19	1:06
	HX Shadow Receptor: Resident	0:00	0	0:00	0:00
	HY Shadow Receptor: Resident	0:00	0	0:00	0:00
	HZ Shadow Receptor: Resident	0:00	0	0:00	0:00
	IA Shadow Receptor: Resident	18:22	55	0:24	5:02
	IB Shadow Receptor: Resident	0:00	0	0:00	0:00
	IC Shadow Receptor: Resident	0:00	0	0:00	0:00
	ID Shadow Receptor: Resident	0:00	0	0:00	0:00
	IE Shadow Receptor: Resident	0:00	0	0:00	0:00
	IF Shadow Receptor: Resident	0:00	0	0:00	0:00
	IG Shadow Receptor: Resident	0:00	0	0:00	0:00
	IH Shadow Receptor: Resident	0:00	0	0:00	0:00
	II Shadow Receptor: Resident	0:00	0	0:00	0:00
	IJ Shadow Receptor: Resident	0:00	0	0:00	0:00
	IK Shadow Receptor: Resident	0:00	0	0:00	0:00
	IL Shadow Receptor: Resident	0:00	0	0:00	0:00
	IM Shadow Receptor: Resident	0:00	0	0:00	0:00
	IN Shadow Receptor: Resident	0:00	0	0:00	0:00
	IO Shadow Receptor: Resident	0:00	0	0:00	0:00
	IP Shadow Receptor: Resident	0:00	0	0:00	0:00

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SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
		Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
IQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
IR	Shadow Receptor: Resident	0:00	0	0:00	0:00
IS	Shadow Receptor: Resident	0:00	0	0:00	0:00
IT	Shadow Receptor: Resident	0:00	0	0:00	0:00
IU	Shadow Receptor: Resident	0:00	0	0:00	0:00
IV	Shadow Receptor: Resident	0:00	0	0:00	0:00
IW	Shadow Receptor: Resident	0:00	0	0:00	0:00
IX	Shadow Receptor: Resident	0:00	0	0:00	0:00
IY	Shadow Receptor: Resident	0:00	0	0:00	0:00
IZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
JA	Shadow Receptor: Resident	0:00	0	0:00	0:00
JB	Shadow Receptor: Resident	0:00	0	0:00	0:00
JC	Shadow Receptor: Resident	0:00	0	0:00	0:00
JD	Shadow Receptor: Resident	0:00	0	0:00	0:00
JE	Shadow Receptor: Resident	0:00	0	0:00	0:00
JF	Shadow Receptor: Resident	0:00	0	0:00	0:00
JG	Shadow Receptor: Resident	0:00	0	0:00	0:00
JH	Shadow Receptor: Resident	0:00	0	0:00	0:00
JI	Shadow Receptor: Resident	0:00	0	0:00	0:00
JJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
JK	Shadow Receptor: Resident	0:00	0	0:00	0:00
JL	Shadow Receptor: Resident	0:00	0	0:00	0:00
JM	Shadow Receptor: Resident	0:00	0	0:00	0:00
JN	Shadow Receptor: Resident	0:00	0	0:00	0:00
JO	Shadow Receptor: Resident	0:00	0	0:00	0:00
JP	Shadow Receptor: Resident	0:00	0	0:00	0:00
JQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
JR	Shadow Receptor: Resident	0:00	0	0:00	0:00
JS	Shadow Receptor: Resident	0:00	0	0:00	0:00
JT	Shadow Receptor: Resident	0:00	0	0:00	0:00
JU	Shadow Receptor: Resident	0:00	0	0:00	0:00
JV	Shadow Receptor: Resident	0:00	0	0:00	0:00
JW	Shadow Receptor: Resident	0:00	0	0:00	0:00
JX	Shadow Receptor: Resident	0:00	0	0:00	0:00
JY	Shadow Receptor: Resident	0:00	0	0:00	0:00
JZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
KA	Shadow Receptor: Resident	0:00	0	0:00	0:00
KB	Shadow Receptor: Resident	0:00	0	0:00	0:00
KC	Shadow Receptor: Resident	0:00	0	0:00	0:00
KD	Shadow Receptor: Resident	0:00	0	0:00	0:00
KE	Shadow Receptor: Resident	0:00	0	0:00	0:00
KF	Shadow Receptor: Resident	0:00	0	0:00	0:00
KG	Shadow Receptor: Resident	0:00	0	0:00	0:00
KH	Shadow Receptor: Resident	0:00	0	0:00	0:00
KI	Shadow Receptor: Resident	0:00	0	0:00	0:00
KJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
KK	Shadow Receptor: Resident	0:00	0	0:00	0:00
KL	Shadow Receptor: Resident	5:41	24	0:19	1:11
KM	Shadow Receptor: Resident	0:00	0	0:00	0:00
KN	Shadow Receptor: Resident	0:00	0	0:00	0:00
KO	Shadow Receptor: Resident	0:00	0	0:00	0:00
KP	Shadow Receptor: Resident	0:00	0	0:00	0:00
KQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
KR	Shadow Receptor: Resident	0:00	0	0:00	0:00
KS	Shadow Receptor: Resident	0:00	0	0:00	0:00
KT	Shadow Receptor: Resident	0:00	0	0:00	0:00
KU	Shadow Receptor: Resident	14:31	53	0:22	4:03
KV	Shadow Receptor: Resident	9:57	37	0:21	2:38
KW	Shadow Receptor: Resident	0:00	0	0:00	0:00
KX	Shadow Receptor: Resident	0:00	0	0:00	0:00
KY	Shadow Receptor: Resident	13:21	53	0:20	3:44
KZ	Shadow Receptor: Resident	0:00	0	0:00	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
		Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
LA	Shadow Receptor: Resident	0:00	0	0:00	0:00
LB	Shadow Receptor: Resident	0:00	0	0:00	0:00
LC	Shadow Receptor: Resident	0:00	0	0:00	0:00
LD	Shadow Receptor: Resident	0:00	0	0:00	0:00
LE	Shadow Receptor: Resident	0:00	0	0:00	0:00
LF	Shadow Receptor: Resident	0:00	0	0:00	0:00
LG	Shadow Receptor: Resident	0:00	0	0:00	0:00
LH	Shadow Receptor: Resident	0:00	0	0:00	0:00
LI	Shadow Receptor: Resident	0:00	0	0:00	0:00
LJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
LK	Shadow Receptor: Resident	0:00	0	0:00	0:00
LL	Shadow Receptor: Resident	0:00	0	0:00	0:00
LM	Shadow Receptor: Resident	0:00	0	0:00	0:00
LN	Shadow Receptor: Resident	0:00	0	0:00	0:00
LO	Shadow Receptor: Resident	0:00	0	0:00	0:00
LP	Shadow Receptor: Resident	0:00	0	0:00	0:00
LQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
LR	Shadow Receptor: Resident	0:00	0	0:00	0:00
LS	Shadow Receptor: Resident	0:00	0	0:00	0:00
LT	Shadow Receptor: Resident	0:00	0	0:00	0:00
LU	Shadow Receptor: Resident	0:00	0	0:00	0:00
LV	Shadow Receptor: Resident	0:00	0	0:00	0:00
LW	Shadow Receptor: Resident	0:00	0	0:00	0:00
LX	Shadow Receptor: Resident	0:00	0	0:00	0:00
LY	Shadow Receptor: Resident	0:00	0	0:00	0:00
LZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
MA	Shadow Receptor: Resident	0:00	0	0:00	0:00
MB	Shadow Receptor: Resident	0:00	0	0:00	0:00
MC	Shadow Receptor: Resident	0:00	0	0:00	0:00
MD	Shadow Receptor: Resident	0:00	0	0:00	0:00
ME	Shadow Receptor: Resident	0:00	0	0:00	0:00
MF	Shadow Receptor: Resident	0:00	0	0:00	0:00
MG	Shadow Receptor: Resident	0:00	0	0:00	0:00
MH	Shadow Receptor: Resident	0:00	0	0:00	0:00
MI	Shadow Receptor: Resident	0:00	0	0:00	0:00
MJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
MK	Shadow Receptor: Resident	0:00	0	0:00	0:00
ML	Shadow Receptor: Resident	0:00	0	0:00	0:00
MM	Shadow Receptor: Resident	0:00	0	0:00	0:00
MN	Shadow Receptor: Resident	0:00	0	0:00	0:00
MO	Shadow Receptor: Resident	0:00	0	0:00	0:00
MP	Shadow Receptor: Resident	0:00	0	0:00	0:00
MQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
MR	Shadow Receptor: Resident	0:00	0	0:00	0:00
MS	Shadow Receptor: Resident	0:00	0	0:00	0:00
MT	Shadow Receptor: Resident	0:00	0	0:00	0:00
MU	Shadow Receptor: Resident	0:00	0	0:00	0:00
MV	Shadow Receptor: Resident	0:00	0	0:00	0:00
MW	Shadow Receptor: Resident	0:00	0	0:00	0:00
MX	Shadow Receptor: Resident	0:00	0	0:00	0:00
MY	Shadow Receptor: Resident	0:00	0	0:00	0:00
MZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
NA	Shadow Receptor: Resident	0:00	0	0:00	0:00
NB	Shadow Receptor: Resident	0:00	0	0:00	0:00
NC	Shadow Receptor: Resident	0:00	0	0:00	0:00
ND	Shadow Receptor: Resident	0:00	0	0:00	0:00
NE	Shadow Receptor: Resident	0:00	0	0:00	0:00
NF	Shadow Receptor: Resident	0:00	0	0:00	0:00
NG	Shadow Receptor: Resident	0:00	0	0:00	0:00
NH	Shadow Receptor: Resident	0:00	0	0:00	0:00
NI	Shadow Receptor: Resident	0:00	0	0:00	0:00
NJ	Shadow Receptor: Resident	0:00	0	0:00	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Viiatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
		Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
NK	Shadow Receptor: Resident	0:00	0	0:00	0:00
NL	Shadow Receptor: Resident	0:00	0	0:00	0:00
NM	Shadow Receptor: Resident	0:00	0	0:00	0:00
NN	Shadow Receptor: Resident	0:00	0	0:00	0:00
NO	Shadow Receptor: Resident	0:00	0	0:00	0:00
NP	Shadow Receptor: Resident	0:00	0	0:00	0:00
NQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
NR	Shadow Receptor: Resident	0:00	0	0:00	0:00
NS	Shadow Receptor: Resident	0:00	0	0:00	0:00
NT	Shadow Receptor: Resident	0:00	0	0:00	0:00
NU	Shadow Receptor: Resident	0:00	0	0:00	0:00
NV	Shadow Receptor: Resident	0:00	0	0:00	0:00
NW	Shadow Receptor: Resident	0:00	0	0:00	0:00
NX	Shadow Receptor: Resident	0:00	0	0:00	0:00
NY	Shadow Receptor: Resident	0:00	0	0:00	0:00
NZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
OA	Shadow Receptor: Resident	0:00	0	0:00	0:00
OB	Shadow Receptor: Resident	0:00	0	0:00	0:00
OC	Shadow Receptor: Resident	0:00	0	0:00	0:00
OD	Shadow Receptor: Resident	0:00	0	0:00	0:00
OE	Shadow Receptor: Resident	0:00	0	0:00	0:00
OF	Shadow Receptor: Resident	0:00	0	0:00	0:00
OG	Shadow Receptor: Resident	0:00	0	0:00	0:00
OH	Shadow Receptor: Resident	0:00	0	0:00	0:00
OI	Shadow Receptor: Resident	0:00	0	0:00	0:00
OJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
OK	Shadow Receptor: Resident	0:00	0	0:00	0:00
OL	Shadow Receptor: Resident	0:00	0	0:00	0:00
OM	Shadow Receptor: Resident	0:00	0	0:00	0:00
ON	Shadow Receptor: Resident	0:00	0	0:00	0:00
OO	Shadow Receptor: Resident	0:00	0	0:00	0:00
OP	Shadow Receptor: Resident	0:00	0	0:00	0:00
OQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
OR	Shadow Receptor: Resident	0:00	0	0:00	0:00
OS	Shadow Receptor: Resident	0:00	0	0:00	0:00
OT	Shadow Receptor: Resident	0:00	0	0:00	0:00
OU	Shadow Receptor: Resident	0:00	0	0:00	0:00
OV	Shadow Receptor: Resident	0:00	0	0:00	0:00
OW	Shadow Receptor: Resident	0:00	0	0:00	0:00
OX	Shadow Receptor: Resident	0:00	0	0:00	0:00
OY	Shadow Receptor: Resident	0:00	0	0:00	0:00
OZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
PA	Shadow Receptor: Resident	0:00	0	0:00	0:00
PB	Shadow Receptor: Resident	0:00	0	0:00	0:00
PC	Shadow Receptor: Resident	0:00	0	0:00	0:00
PD	Shadow Receptor: Resident	0:00	0	0:00	0:00
PE	Shadow Receptor: Resident	0:00	0	0:00	0:00
PF	Shadow Receptor: Resident	0:00	0	0:00	0:00
PG	Shadow Receptor: Resident	0:00	0	0:00	0:00
PH	Shadow Receptor: Resident	0:00	0	0:00	0:00
PI	Shadow Receptor: Resident	0:00	0	0:00	0:00
PJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
PK	Shadow Receptor: Resident	0:00	0	0:00	0:00
PL	Shadow Receptor: Resident	0:00	0	0:00	0:00
PM	Shadow Receptor: Resident	0:00	0	0:00	0:00
PN	Shadow Receptor: Resident	0:00	0	0:00	0:00
PO	Shadow Receptor: Resident	0:00	0	0:00	0:00
PP	Shadow Receptor: Resident	0:00	0	0:00	0:00
PQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
PR	Shadow Receptor: Resident	0:00	0	0:00	0:00
PS	Shadow Receptor: Resident	0:00	0	0:00	0:00
PT	Shadow Receptor: Resident	0:00	0	0:00	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
		Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
PU	Shadow Receptor: Resident	0:00	0	0:00	0:00
PV	Shadow Receptor: Resident	0:00	0	0:00	0:00
PW	Shadow Receptor: Resident	0:00	0	0:00	0:00
PX	Shadow Receptor: Resident	0:00	0	0:00	0:00
PY	Shadow Receptor: Resident	0:00	0	0:00	0:00
PZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
QA	Shadow Receptor: Resident	0:00	0	0:00	0:00
QB	Shadow Receptor: Resident	0:00	0	0:00	0:00
QC	Shadow Receptor: Resident	0:00	0	0:00	0:00
QD	Shadow Receptor: Resident	0:00	0	0:00	0:00
QE	Shadow Receptor: Resident	0:00	0	0:00	0:00
QF	Shadow Receptor: Resident	0:00	0	0:00	0:00
QG	Shadow Receptor: Resident	0:00	0	0:00	0:00
QH	Shadow Receptor: Resident	0:00	0	0:00	0:00
QI	Shadow Receptor: Resident	0:00	0	0:00	0:00
QJ	Shadow Receptor: Resident	0:00	0	0:00	0:00
QK	Shadow Receptor: Resident	0:00	0	0:00	0:00
QL	Shadow Receptor: Resident	0:00	0	0:00	0:00
QM	Shadow Receptor: Resident	0:00	0	0:00	0:00
QN	Shadow Receptor: Resident	0:00	0	0:00	0:00
QO	Shadow Receptor: Resident	0:00	0	0:00	0:00
QP	Shadow Receptor: Resident	0:00	0	0:00	0:00
QQ	Shadow Receptor: Resident	0:00	0	0:00	0:00
QR	Shadow Receptor: Resident	0:00	0	0:00	0:00
QS	Shadow Receptor: Resident	0:00	0	0:00	0:00
QT	Shadow Receptor: Resident	0:00	0	0:00	0:00
QU	Shadow Receptor: Resident	0:00	0	0:00	0:00
QV	Shadow Receptor: Resident	0:00	0	0:00	0:00
QW	Shadow Receptor: Resident	0:00	0	0:00	0:00
QX	Shadow Receptor: Resident	0:00	0	0:00	0:00
QY	Shadow Receptor: Resident	0:00	0	0:00	0:00
QZ	Shadow Receptor: Resident	0:00	0	0:00	0:00
RA	Shadow Receptor: Resident	0:00	0	0:00	0:00
RB	Shadow Receptor: Resident	0:00	0	0:00	0:00
RC	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RD	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RE	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RF	Shadow Receptor: Cottage	23:24	61	0:39	2:56
RG	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RH	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RI	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RJ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RK	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RL	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RM	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RN	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RO	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RP	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RQ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RR	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RS	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RT	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RU	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RV	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RW	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RX	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RY	Shadow Receptor: Cottage	0:00	0	0:00	0:00
RZ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SA	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SB	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SC	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SD	Shadow Receptor: Cottage	0:00	0	0:00	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
		Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
SE	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SF	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SG	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SH	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SI	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SJ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SK	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SL	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SM	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SN	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SO	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SP	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SQ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SR	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SS	Shadow Receptor: Cottage	0:00	0	0:00	0:00
ST	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SU	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SV	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SW	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SX	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SY	Shadow Receptor: Cottage	0:00	0	0:00	0:00
SZ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TA	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TB	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TC	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TD	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TE	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TF	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TG	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TH	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TI	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TJ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TK	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TL	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TM	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TN	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TO	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TP	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TQ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TR	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TS	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TT	Shadow Receptor: Cottage	8:59	31	0:22	1:37
TU	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TV	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TW	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TX	Shadow Receptor: Cottage	0:00	0	0:00	0:00
TY	Shadow Receptor: Cottage	84:36	80	1:41	12:53
TZ	Shadow Receptor: Cottage	62:31	139	0:45	15:36
UA	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UB	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UC	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UD	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UE	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UF	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UG	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UH	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UI	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UJ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UK	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UL	Shadow Receptor: Cottage	17:08	43	0:31	4:16
UM	Shadow Receptor: Cottage	25:49	58	0:41	6:24
UN	Shadow Receptor: Cottage	17:25	61	0:24	3:58

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

		Shadow, worst case			Shadow, expected values
No.	Name	Shadow hours	Shadow days	Max shadow	Shadow hours
		per year [h/year]	per year [days/year]	hours per day [h/day]	per year [h/year]
UO	Shadow Receptor: Cottage	48:27	97	0:41	9:26
UP	Shadow Receptor: Cottage	9:36	36	0:20	1:15
UQ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UR	Shadow Receptor: Cottage	0:00	0	0:00	0:00
US	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UT	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UU	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UV	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UW	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UX	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UY	Shadow Receptor: Cottage	0:00	0	0:00	0:00
UZ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VA	Shadow Receptor: Cottage	0:00	0	0:00	0:00
WA	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VB	Shadow Receptor: Cottage	0:00	0	0:00	0:00
WB	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VC	Shadow Receptor: Cottage	0:00	0	0:00	0:00
WC	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VD	Shadow Receptor: Cottage	0:00	0	0:00	0:00
WD	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VE	Shadow Receptor: Cottage	8:02	39	0:20	1:57
WE	Shadow Receptor: Cottage	36:26	60	0:53	4:37
VF	Shadow Receptor: Cottage	24:49	74	0:28	6:48
VG	Shadow Receptor: Cottage	23:35	76	0:25	6:11
VH	Shadow Receptor: Cottage	11:36	52	0:19	2:55
VI	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VJ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VK	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VL	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VM	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VN	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VO	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VP	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VQ	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VR	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VS	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VT	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VU	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VV	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VW	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VX	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VY	Shadow Receptor: Cottage	0:00	0	0:00	0:00
VZ	Shadow Receptor: Cottage	0:00	0	0:00	0:00

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

No.	Name	Worst case [h/year]	Expected [h/year]
KE01	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (440)	0:00	0:00
KE02	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (441)	0:00	0:00
KE03	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (442)	0:00	0:00
KE04	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (443)	0:00	0:00
KE05	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (444)	0:00	0:00
KE06	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (445)	13:57	2:22
KE07	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (446)	0:00	0:00
KE08	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (447)	0:00	0:00
KE09	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (448)	22:26	2:43
KE10	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (449)	8:06	1:30
KE11	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (450)	0:00	0:00
KE12	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (451)	8:59	1:37
KE13	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (452)	0:00	0:00
KE14	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (453)	0:00	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name		Worst case [h/year]	Expected [h/year]
KE15	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (454)	0:00	0:00
KE16	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (455)	22:31	6:04
KE17	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (456)	0:00	0:00
KE18	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (457)	0:00	0:00
KE19	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (458)	0:00	0:00
KE20	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (459)	0:00	0:00
KW01	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (422)	0:00	0:00
KW02	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (423)	0:00	0:00
KW03	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (424)	0:00	0:00
KW04	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (425)	0:00	0:00
KW05	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (426)	0:00	0:00
KW06	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (427)	0:00	0:00
KW07	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (428)	14:44	1:42
KW08	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (429)	0:00	0:00
KW09	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (430)	0:00	0:00
KW10	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (431)	0:00	0:00
KW11	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (432)	0:00	0:00
KW12	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (433)	0:00	0:00
KW13	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (434)	0:00	0:00
KW14	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (435)	0:00	0:00
KW15	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (436)	0:00	0:00
KW16	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (437)	0:00	0:00
KW17	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (438)	8:40	1:13
KW18	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (439)	0:00	0:00
L01	NORDEX N131/3000 3000 131.0 !O!	hub: 144,0 m (TOT: 209,5 m) (405)	62:47	12:45
L02	NORDEX N131/3000 3000 131.0 !O!	hub: 144,0 m (TOT: 209,5 m) (406)	8:59	1:31
L03	NORDEX N131/3000 3000 131.0 !O!	hub: 144,0 m (TOT: 209,5 m) (407)	12:37	2:25
L04	NORDEX N131/3000 3000 131.0 !O!	hub: 144,0 m (TOT: 209,5 m) (408)	0:00	0:00
L05	NORDEX N131/3000 3000 131.0 !O!	hub: 144,0 m (TOT: 209,5 m) (409)	19:05	4:44
L06	NORDEX N131/3000 3000 131.0 !O!	hub: 144,0 m (TOT: 209,5 m) (410)	14:43	1:45
L07	NORDEX N131/3000 3000 131.0 !O!	hub: 144,0 m (TOT: 209,5 m) (411)	0:00	0:00
L08	NORDEX N131/3000 3000 131.0 !O!	hub: 144,0 m (TOT: 209,5 m) (412)	40:23	6:38
L09	NORDEX N131/3000 3000 131.0 !O!	hub: 144,0 m (TOT: 209,5 m) (413)	40:35	6:47
MN01	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (460)	0:00	0:00
MN02	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (461)	0:00	0:00
MN03	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (462)	0:00	0:00
MN04	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (463)	0:00	0:00
MN05	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (464)	0:00	0:00
MN06	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (465)	0:00	0:00
MN07	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (466)	0:00	0:00
MN08	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (467)	0:00	0:00
MN09	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (468)	0:00	0:00
MN10	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (469)	0:00	0:00
MN11	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (470)	0:00	0:00
MN12	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (471)	0:00	0:00
MN13	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (472)	0:00	0:00
MN14	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (473)	0:00	0:00
MN15	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (474)	0:00	0:00
MN16	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (475)	0:00	0:00
MS01	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (476)	0:00	0:00
MS02	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (477)	0:00	0:00
MS03	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (478)	24:24	3:05
MS04	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (479)	0:00	0:00
MS05	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (480)	0:00	0:00
MS06	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (481)	0:00	0:00
MS07	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (482)	0:00	0:00
MS08	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (483)	0:00	0:00
MS09	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (484)	0:00	0:00
MS10	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (485)	0:00	0:00
MS11	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (486)	0:00	0:00
MS12	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (487)	0:00	0:00
MS13	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (488)	0:00	0:00
MS14	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (489)	18:22	5:02
MS15	NORDEX N131/3000 3000 131.0 !O!	hub: 164,5 m (TOT: 230,0 m) (490)	0:00	0:00

To be continued on next page...

SHADOW - Main Result

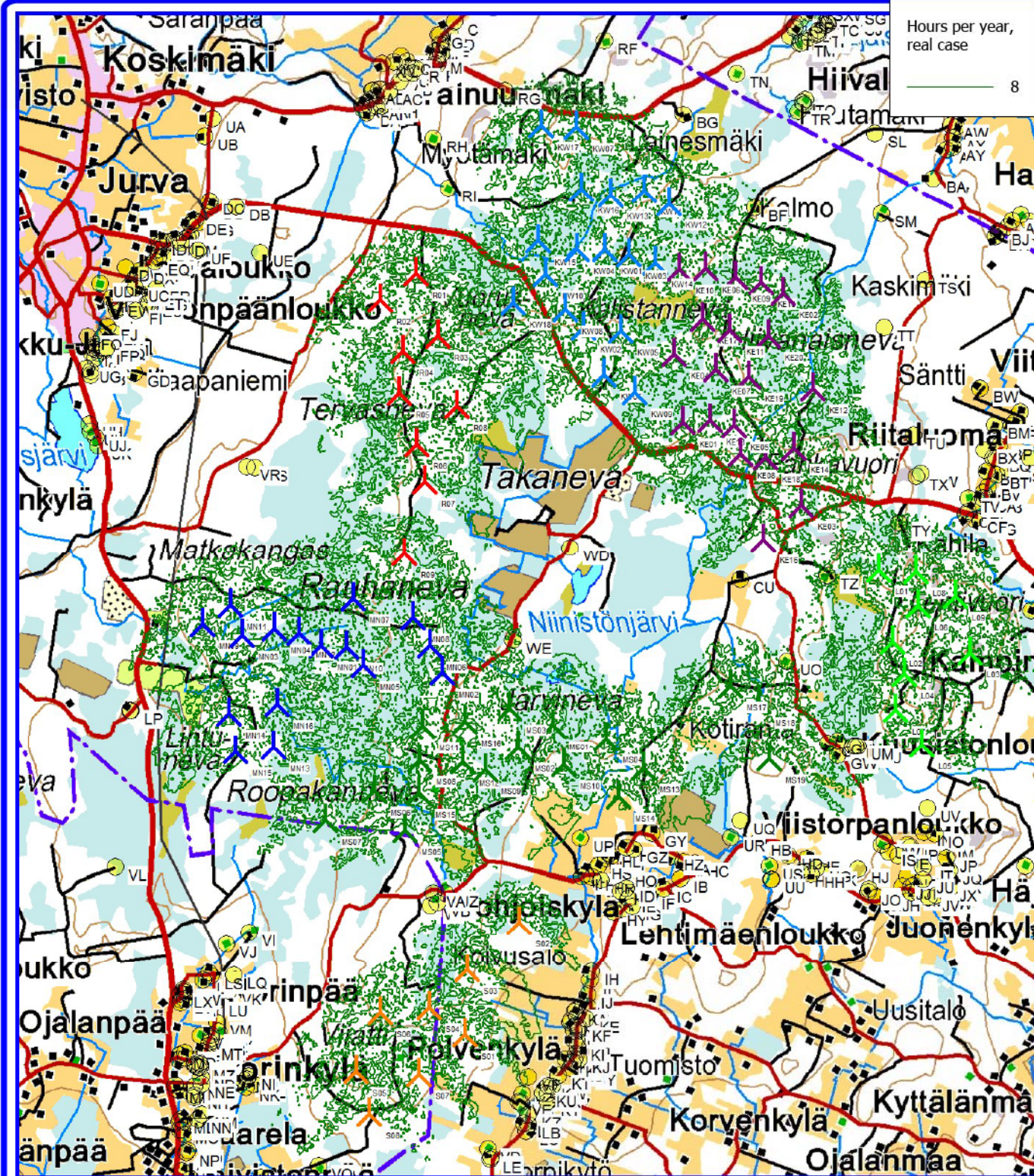
Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine

...continued from previous page

No.	Name	Worst case [h/year]	Expected [h/year]
MS16	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (491)	12:02	1:31
MS17	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (492)	16:56	3:28
MS18	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (493)	42:13	8:35
MS19	NORDEX N131/3000 3000 131.0 !O! hub: 164,5 m (TOT: 230,0 m) (494)	9:08	1:54
R01	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (396)	0:00	0:00
R02	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (397)	0:00	0:00
R03	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (398)	0:00	0:00
R04	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (399)	0:00	0:00
R05	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (400)	0:00	0:00
R06	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (401)	0:00	0:00
R07	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (402)	0:00	0:00
R08	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (403)	0:00	0:00
R09	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (404)	0:00	0:00
S01	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (414)	75:46	20:23
S02	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (415)	38:35	6:41
S03	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (416)	0:00	0:00
S04	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (417)	0:00	0:00
S05	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (418)	0:00	0:00
S06	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (419)	0:00	0:00
S07	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (420)	13:36	3:13
S08	NORDEX N131/3000 3000 131.0 !O! hub: 144,0 m (TOT: 209,5 m) (421)	0:00	0:00

SHADOW - Map

Calculation: Viatti L7.3.4 VE2 With Vegetation Seinajoki sunshine



Map: Bitmap map: UP3R_RVK.tif, Print scale 1:90 000, Map center Finish TM ETRS-TM35FIN-ETRS89 East: 249 540 North: 6 954 270
 New WTG Shadow receptor
 Flicker map level: Height Contours: elevation 5 m(20x20 km)_2(1).map (1)