

Projekt:

Skuggberäkning_Staverhult_MKB_210_201021

Användarlicens:

WSP Sverige AB

FE 711

SE-833 84 Strömsund

+46 31 727 25 00

Linnea Henriksson / linnea.henriksson@wsp.com

Beräknad:

2020-10-21 14:04/3.3.294

SHADOW - Huvudresultat

Beräkning: Kumulativ

Antaganden för skuggberäkningar

Maximalt avstånd för påverkan

Beräkna endast när mer än 20 % av solen skymms av rotorbladet

Titta i VKV tabell

Minsta solhöjd över horisonten för påverkan

3 °

Dag steg för beräkning

1 dagar

Tidsteg för beräkning

1 minuter

Solsken sannolikhet S (Medelvärde soltimmar per dag) [VAXJO /KRONOBER G]

Jan	Feb	Mar	Apr	Maj	Jun	Jul	Aug	Sep	Okt	Nov	Dec
1,36	1,52	2,62	6,08	8,82	7,64	6,65	5,42	4,02	2,68	1,38	0,88

Driftl tid

0	Totalt
8760	8760

För att undvika skuggor från de VKV som inte syns görs en ZVI beräkning före skuggberäkningen. ZVI-beräkningen grundas på följande antaganden:

Höjdkonturer används: Höjd Data Objekt: Skuggberäkning_Staverhult_MKB_210

Hinder som används vid beräkning

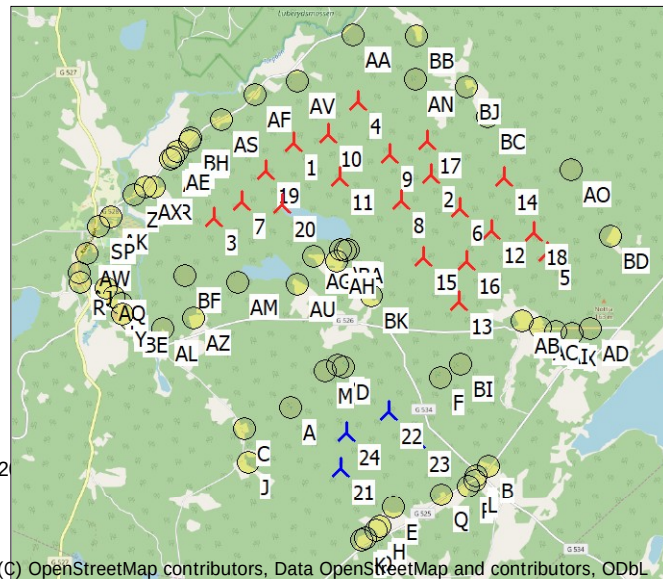
Ögonhöjd för karta: 1,5 m

Nätupplösning: 1,0 m

Alla koordinater är i

Swedish UTM 33-SWREF99 (SE)

VKV



Nytt vindkraftverk

Skala 1:125 000
Skuggmottagare

	Östkoordinat	Nordkoordinat	Z	Raddata/Beskrivning	VKV-typ	Giltig	Tillverkare	Typ-generator	Effekt, nominell [kW]	Rotordiameter [m]	Navhöjd [m]	Skuggdata	
												Beräkning avstånd [m]	RPM [RPM]
			[m]										
1	417295	6287341	183,9	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
2	419540	6286778	158,7	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
3	415937	6286125	162,7	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
4	418365	6288011	171,3	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
5	421460	6285452	144,8	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
6	420015	6286231	164,2	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
7	416399	6286388	159,6	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
8	419050	6286363	164,0	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
9	418875	6287118	163,4	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
10	417868	6287480	181,7	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
11	418035	6286771	179,5	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
12	420548	6285839	152,6	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
13	419964	6284668	146,2	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
14	420765	6286700	144,2	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
15	419399	6285410	163,5	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
16	420102	6285331	160,8	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
17	419490	6287348	156,0	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
18	421223	6285801	147,9	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
19	416815	6286901	170,2	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
20	417075	6286351	153,1	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
21	417964	6281961	169,2	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
22	418772	6282885	164,7	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
23	419230	6282420	163,1	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4
24	418087	6282542	164,0	VESTAS V190-4.0_270...Ja	VESTAS			V190-4.0_270m_LH-4000	4000	210,0	165,0	1901	10,4

Skuggmottagare-Indata

Nej. Namn

	Östkoordinat	Nordkoordinat	Z	Bredd	Höjd	Höjd ö.m.	Lutning	Riktning	läge	Ögonhöjd
			[m]	[m]	[m]	[m]	[°]			[m]
A	417165	6282982	164,2	5,0	5,0	2,0	0,0	"Växthusläge"		2,0
B	420428	6281949	142,2	5,0	5,0	2,0	0,0	"Växthusläge"		2,0
C	416368	6282637	180,0	5,0	5,0	2,0	0,0	"Växthusläge"		2,0
D	418039	6283628	159,1	5,0	5,0	2,0	0,0	"Växthusläge"		2,0
E	418826	6281293	153,8	5,0	5,0	2,0	0,0	"Växthusläge"		2,0
F	419658	6283405	157,7	5,0	5,0	2,0	0,0	"Växthusläge"		2,0
G	418528	6280926	160,9	5,0	5,0	2,0	0,0	"Växthusläge"		2,0
H	418596	6280986	163,8	5,0	5,0	2,0	0,0	"Växthusläge"		2,0
I	420201	6281780	143,3	5,0	5,0	2,0	0,0	"Växthusläge"		2,0
J	416419	6282084	173,7	5,0	5,0	2,0	0,0	"Växthusläge"		2,0

Fortsättning på nästa sida...

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SHADOW - Huvudresultat

Beräkning: Kumulativ

...fortsättning från föregående sida

Nej. Namn

	Östkoordinat	Nordkoordinat	Z	Bredd	Höjd	Höjd ö.m.	Lutning fönster	Riktning läge	Ögonhöjd öor ZVI.
	[m]	[m]	[m]	[m]	[m]	[m]	[°]		[m]
K	418303	6280750	162,9	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
L	420178	6281696	147,7	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
M	417732	6283582	158,0	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
N	417959	6283658	153,9	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
O	418368	6280803	160,4	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
P	420071	6281629	151,2	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
Q	419632	6281489	152,7	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
R Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (93)	413713	6285116	160,4	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
S Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (94)	414018	6286018	156,6	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
T Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (95)	414245	6284858	155,2	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
U Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (96)	414373	6284752	150,4	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
V Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (97)	418032	6285572	157,4	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
W Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (98)	418154	6285568	154,3	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
X Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (99)	421843	6284114	148,5	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
Y Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (100)	414394	6284574	156,5	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
Z Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (101)	414634	6286541	140,3	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AA Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (102)	418309	6289110	148,4	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AB Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (104)	421011	6284329	139,3	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AC Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (105)	421329	6284218	139,5	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AD Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (106)	422148	6284180	152,0	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AE Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (107)	415297	6287146	156,4	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AF Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (108)	416668	6288149	148,8	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AG Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (109)	417580	6285475	159,0	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AH Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (110)	417975	6285369	169,8	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AI Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (111)	421574	6284163	146,2	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AJ Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (112)	413699	6285270	159,6	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AK Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (113)	414231	6286183	144,6	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AL Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (114)	415060	6284332	147,2	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AM Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (115)	416323	6285061	162,6	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AN Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (116)	419323	6288344	159,8	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AO Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (117)	421889	6286806	143,8	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AP Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (118)	414020	6286024	156,5	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AQ Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (119)	414135	6285024	152,6	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AR Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (120)	414969	6286665	150,0	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AS Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (121)	416103	6287735	159,1	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AT Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (122)	415358	6287243	158,6	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AU Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (123)	417314	6285012	161,3	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AV Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (124)	417372	6288375	155,8	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AW Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (125)	413823	6285598	153,5	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AX Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (126)	414822	6286652	146,5	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AY Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (127)	415239	6287106	155,4	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
AZ Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (128)	415565	6284483	148,6	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
BA Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (129)	418118	6285534	156,1	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
BB Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (130)	419360	6289067	155,0	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
BC Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (131)	420508	6287731	150,3	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
BD Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (132)	422521	6285722	144,8	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
BE Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (133)	414550	6284482	157,3	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
BF Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (134)	415431	6285191	153,3	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
BG Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (135)	415564	6287424	154,0	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
BH Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (136)	415596	6287455	153,2	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
BI Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (137)	419994	6283631	159,3	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
BJ Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (138)	420173	6288200	152,1	5,0	5,0	2,0	0,0	"Växthusläge"	2,0
BK Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (103)	418514	6284796	164,6	5,0	5,0	2,0	0,0	"Växthusläge"	2,0

Beräkning resultat

Skuggmottagare

Nej. Namn

	Skuggor, värsta fall			Skuggor, förväntade värden	
	Skuggtimmar per år	Skuggdagar per år	Max skugga timmar per dag	Skuggtimmar per år	
	[t/år]	[dagar/år]	[t/dag]	[t/år]	
A	93:13	180	0:48	10:49	
B	41:10	82	0:40	6:44	
C	22:52	71	0:29	1:21	
D	94:40	134	0:49	13:34	
E	20:29	44	0:35	5:18	
F	105:52	152	0:50	14:29	

Fortsättning på nästa sida...

SHADOW - Huvudresultat

Beräkning: Kumulativ

...fortsättning från föregående sida

Nej. Namn	Skuggor, värsta fall			Skuggor, förväntade värden	
	Skuggtimmar per år [t/år]	Skuggdagar per år [dagar/år]	Max skugga timmar per dag [t/dag]	Skuggtimmar per år [t/år]	
G	0:00	0	0:00	0:00	
H	0:00	0	0:00	0:00	
I	53:25	68	1:00	13:09	
J	29:43	84	0:32	1:45	
K	0:00	0	0:00	0:00	
L	28:17	49	0:45	7:25	
M	95:45	149	1:01	13:22	
N	87:00	134	0:47	12:25	
O	0:00	0	0:00	0:00	
P	0:00	0	0:00	0:00	
Q	44:32	116	0:29	8:42	
R Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (93)	0:00	0	0:00	0:00	
S Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (94)	0:00	0	0:00	0:00	
T Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (95)	0:00	0	0:00	0:00	
U Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (96)	0:00	0	0:00	0:00	
V Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (97)	74:41	149	1:04	13:05	
W Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (98)	60:45	117	0:43	9:07	
X Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (99)	0:00	0	0:00	0:00	
Y Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (100)	0:00	0	0:00	0:00	
Z Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (101)	33:15	68	0:44	2:00	
AA Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (102)	64:33	74	1:14	9:35	
AB Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (104)	50:06	86	0:46	6:46	
AC Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (105)	27:29	74	0:36	3:58	
AD Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (106)	0:00	0	0:00	0:00	
AE Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (107)	99:24	184	0:44	12:32	
AF Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (108)	119:50	198	1:00	16:33	
AG Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (109)	86:13	155	1:03	16:25	
AH Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (110)	47:01	127	0:35	6:21	
AI Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (111)	33:57	98	0:30	6:39	
AJ Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (112)	0:00	0	0:00	0:00	
AK Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (113)	13:35	37	0:29	0:09	
AL Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (114)	0:00	0	0:00	0:00	
AM Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (115)	0:00	0	0:00	0:00	
AN Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (116)	147:58	173	1:34	20:35	
AO Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (117)	129:26	180	1:08	16:21	
AP Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (118)	0:00	0	0:00	0:00	
AQ Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (119)	0:00	0	0:00	0:00	
AR Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (120)	63:26	126	0:46	5:41	
AS Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (121)	129:55	182	1:00	16:36	
AT Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (122)	95:36	172	0:42	12:21	
AU Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (123)	17:13	52	0:28	4:35	
AV Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (124)	204:47	170	2:13	29:30	
AW Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (125)	0:00	0	0:00	0:00	
AX Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (126)	41:21	79	0:42	3:23	
AY Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (127)	91:27	189	0:43	11:16	
AZ Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (128)	0:00	0	0:00	0:00	
BA Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (129)	50:48	104	0:41	7:01	
BB Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (130)	28:59	65	0:36	3:38	
BC Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (131)	136:28	173	1:20	18:26	
BD Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (132)	57:04	99	0:45	2:54	
BE Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (133)	0:00	0	0:00	0:00	
BF Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (134)	0:00	0	0:00	0:00	
BG Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (135)	116:06	208	0:56	14:53	
BH Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (136)	118:25	205	0:58	15:09	
BI Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (137)	64:48	128	0:37	8:15	
BJ Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (138)	129:28	148	1:17	16:37	
BK Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (103)	67:35	148	0:43	10:20	

SHADOW - Huvudresultat

Beräkning: Kumulativ

Total skuggpåverkan hos skuggmottagare från enskilda vindkraftverk

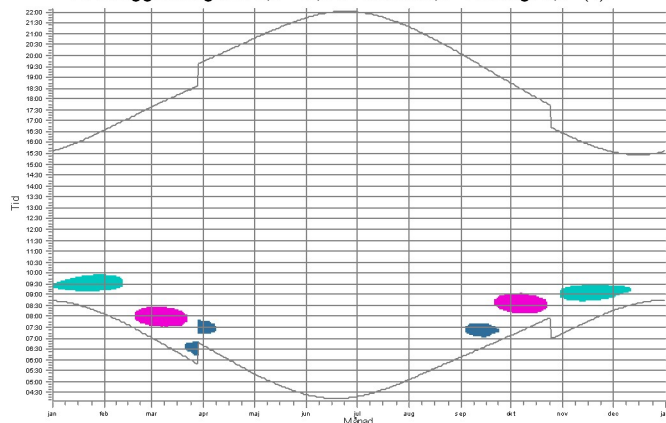
Nej.	Namn	Värsta fall	Förväntad
		[t/år]	[t/år]
1	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (1)	151:56	18:59
2	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (2)	59:44	7:44
3	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (3)	249:38	32:36
4	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (4)	178:05	18:23
5	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (5)	55:46	5:14
6	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (6)	17:38	2:20
7	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (7)	210:37	30:39
8	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (8)	44:56	10:27
9	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (9)	66:54	8:09
10	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (10)	133:30	16:26
11	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (11)	22:03	2:56
12	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (12)	16:47	1:51
13	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (13)	68:35	7:26
14	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (14)	101:58	11:04
15	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (15)	81:10	9:29
16	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (16)	35:59	7:17
17	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (17)	146:55	19:07
18	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (18)	82:57	8:18
19	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (19)	172:57	18:56
20	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (20)	85:46	16:01
21	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (21)	106:47	14:12
22	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (22)	156:51	20:55
23	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (23)	228:25	37:17
24	VESTAS V190-4.0_270m_LH 4000 210.0 IO! nav: 165,0 m (TOT:270,0 m) (24)	228:58	32:26

Totaltider i tabeller för skuggmottagare respektive VKV kan vara olika, eftersom ett vindkraftverk kan ge skuggor hos två eller flera skuggmottagare samtidigt och/eller skuggmottagare kan få skuggor från två eller flera vindkraftverk samtidigt.

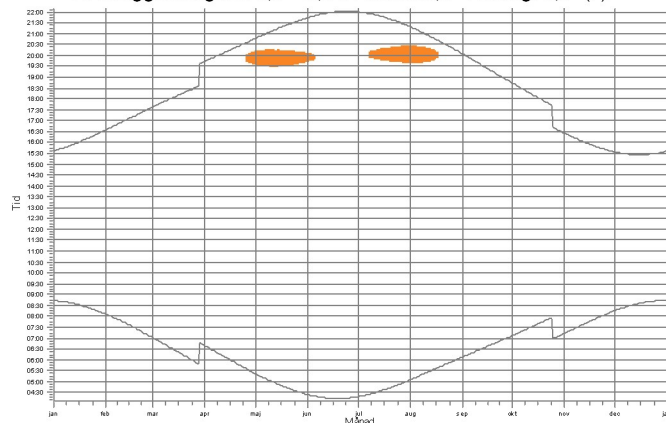
SHADOW - Kalender, grafisk

Beräkning: Kumulativ

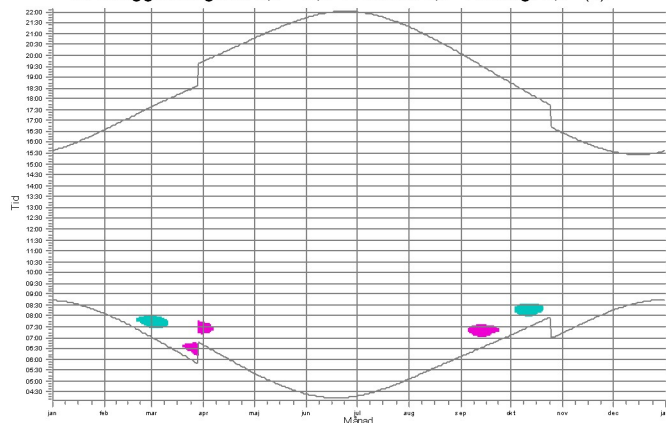
A: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (1)



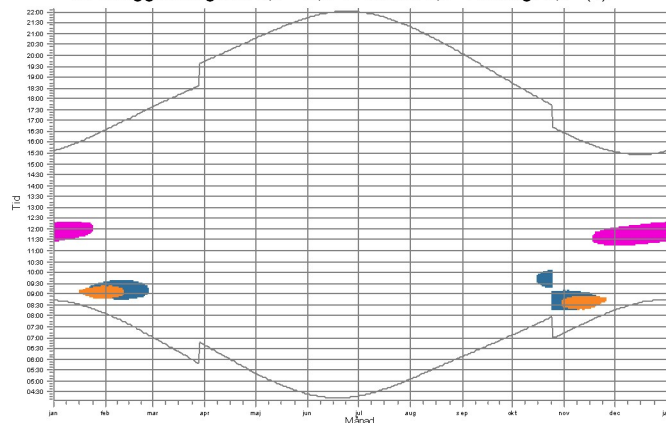
B: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (2)



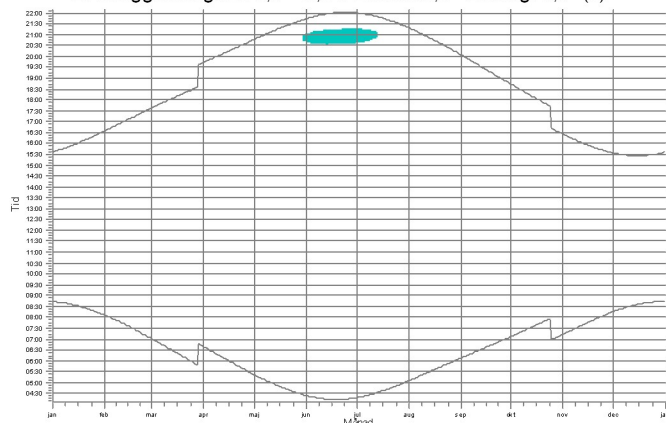
C: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (3)



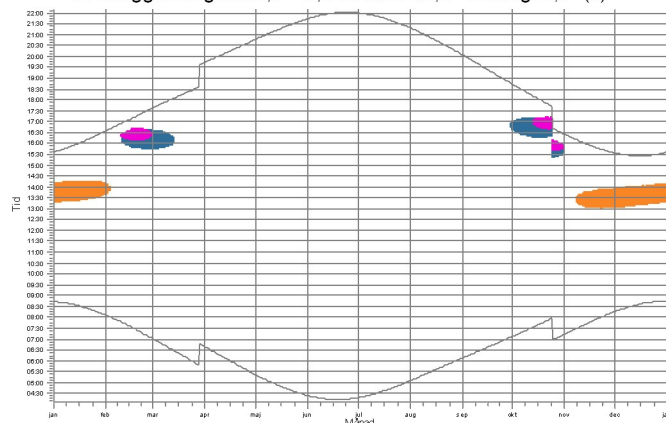
D: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (4)



E: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (5)



F: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (6)



VKV

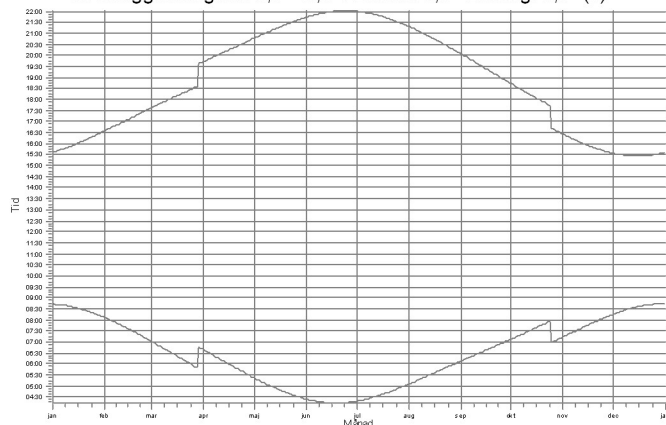
21: VESTAS V190-4.0_270m_LH 4000 210.0 !OI nav: 165,0 m (TOT:270,0 m) (21)
22: VESTAS V190-4.0_270m_LH 4000 210.0 !OI nav: 165,0 m (TOT:270,0 m) (22)

23: VESTAS V190-4.0_270m_LH 4000 210.0 !OI nav: 165,0 m (TOT:270,0 m) (23)
24: VESTAS V190-4.0_270m_LH 4000 210.0 !OI nav: 165,0 m (TOT:270,0 m) (24)

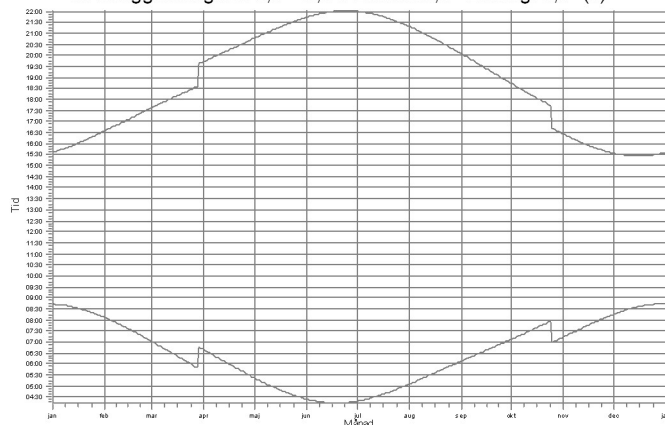
SHADOW - Kalender, grafisk

Beräkning: Kumulativ

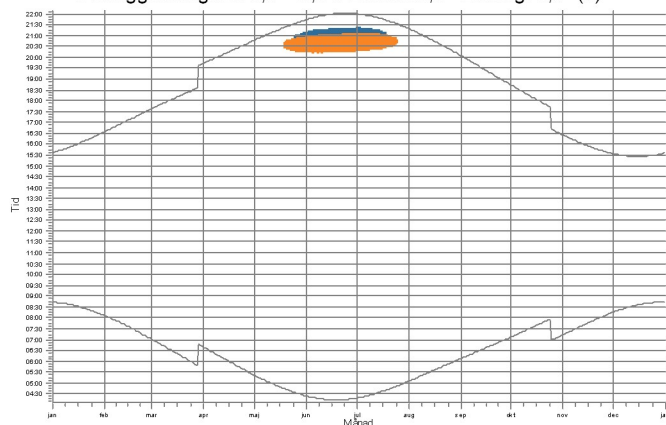
G: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (7)



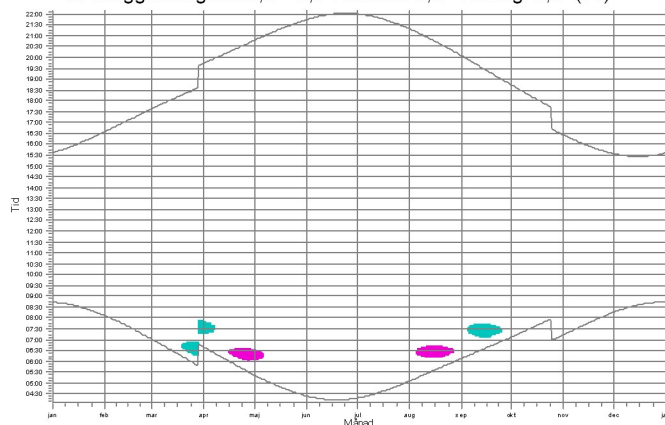
H: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (8)



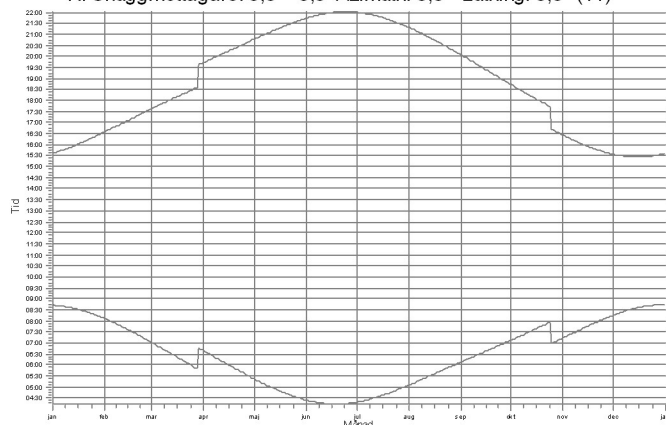
I: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (9)



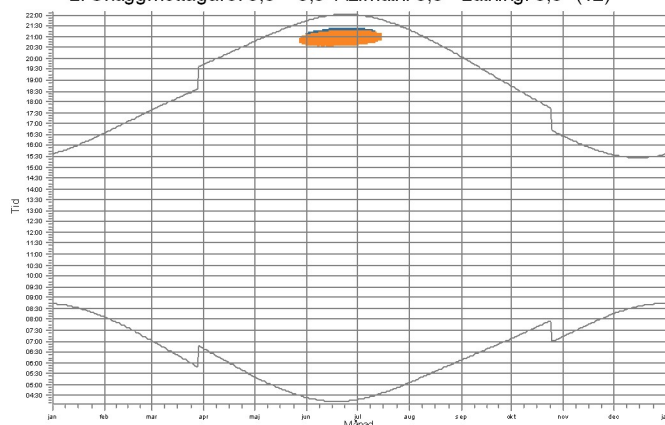
J: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (10)



K: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (11)



L: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (12)



VKV

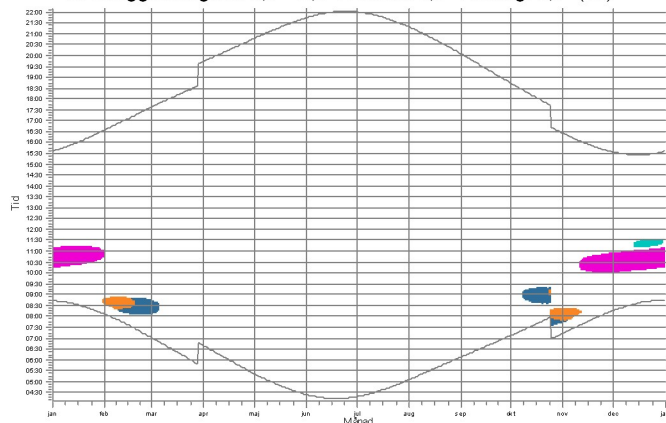
21: VESTAS V190-4.0_270m_LH 4000 210.0 !OI nav: 165,0 m (TOT:270,0 m) (21)
22: VESTAS V190-4.0_270m_LH 4000 210.0 !OI nav: 165,0 m (TOT:270,0 m) (22)

23: VESTAS V190-4.0_270m_LH 4000 210.0 !OI nav: 165,0 m (TOT:270,0 m) (23)
24: VESTAS V190-4.0_270m_LH 4000 210.0 !OI nav: 165,0 m (TOT:270,0 m) (24)

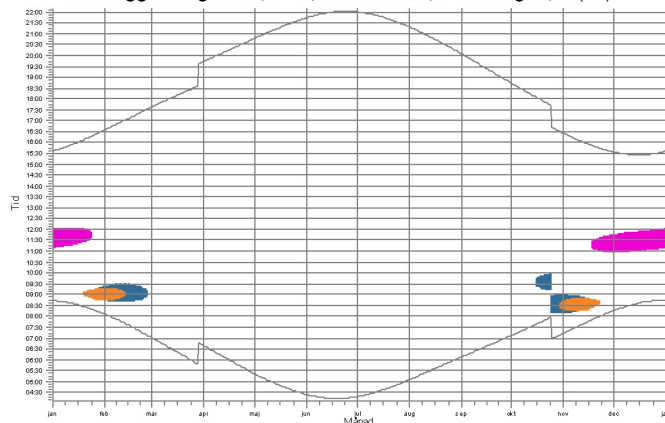
SHADOW - Kalender, grafisk

Beräkning: Kumulativ

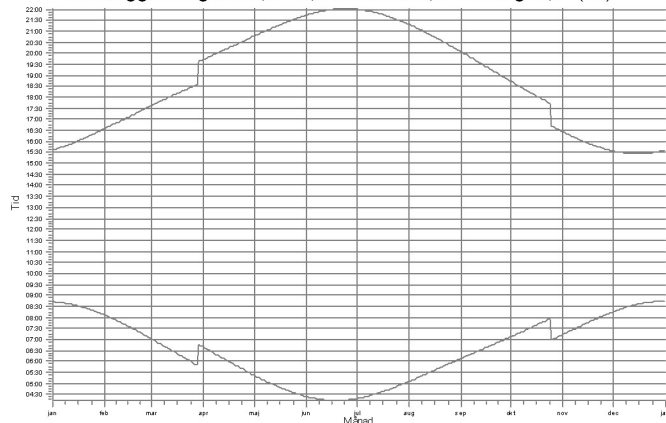
M: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (13)



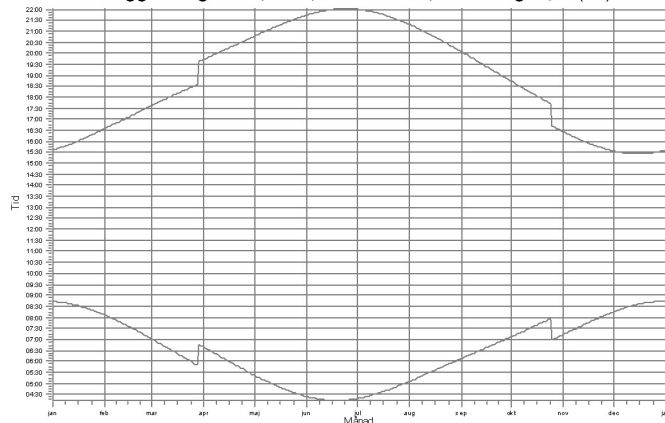
N: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (14)



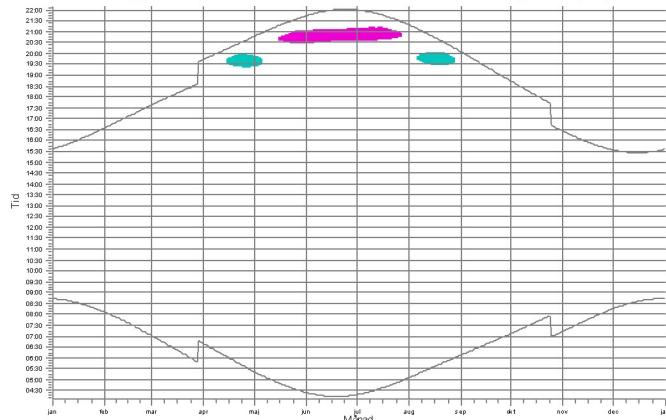
O: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (15)



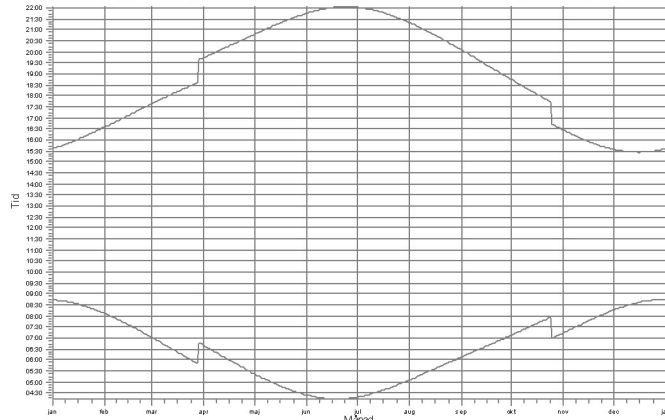
P: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (16)



Q: Skuggmottagare: 5,0 × 5,0 Azimuth: 0,0° Lutning: 0,0° (17)



R: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (93)



VKV

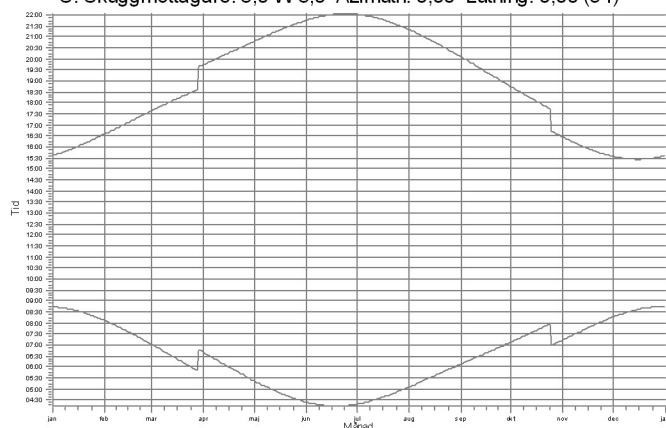
21: VESTAS V190-4.0_270m_LH 4000 210.0 !OI nav: 165,0 m (TOT:270,0 m) (21)
22: VESTAS V190-4.0_270m_LH 4000 210.0 !OI nav: 165,0 m (TOT:270,0 m) (22)

23: VESTAS V190-4.0_270m_LH 4000 210.0 !OI nav: 165,0 m (TOT:270,0 m) (23)
24: VESTAS V190-4.0_270m_LH 4000 210.0 !OI nav: 165,0 m (TOT:270,0 m) (24)

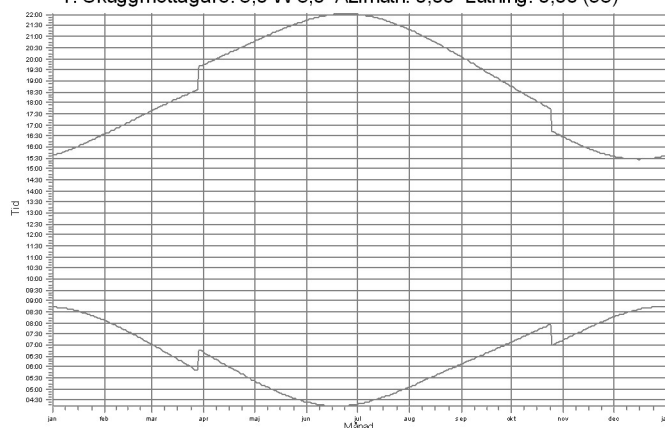
SHADOW - Kalender, grafisk

Beräkning: Kumulativ

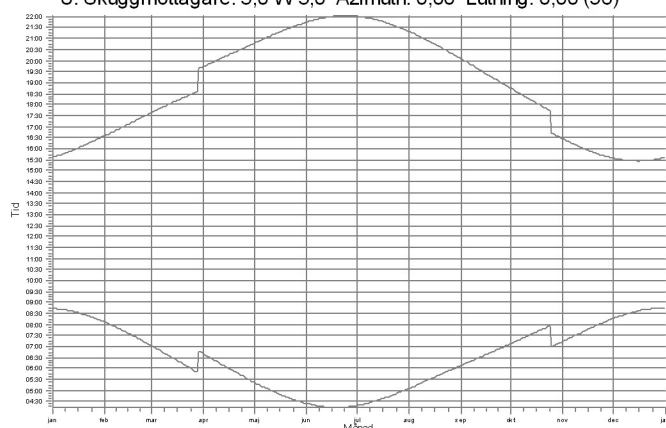
S: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (94)



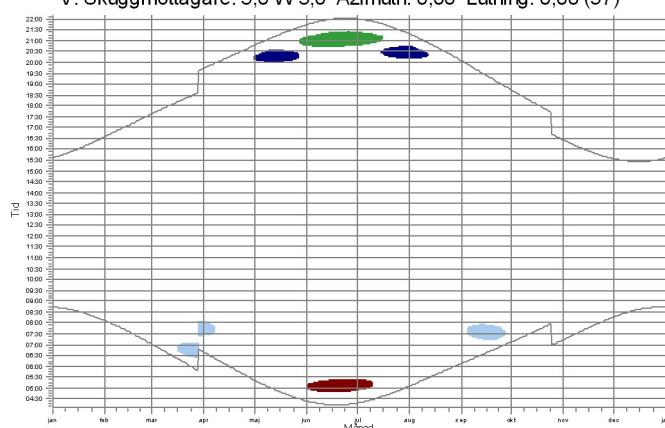
T: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (95)



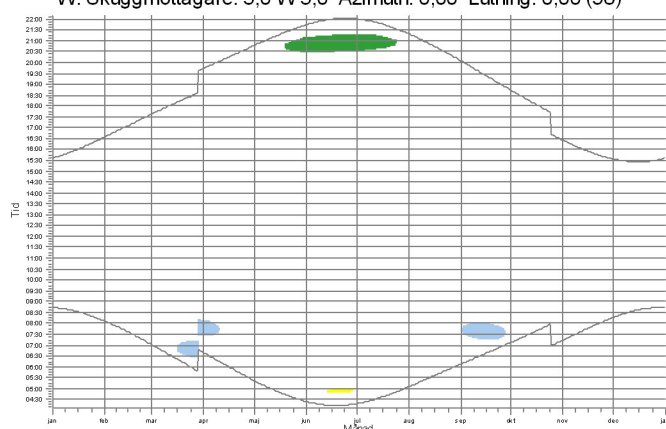
U: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (96)



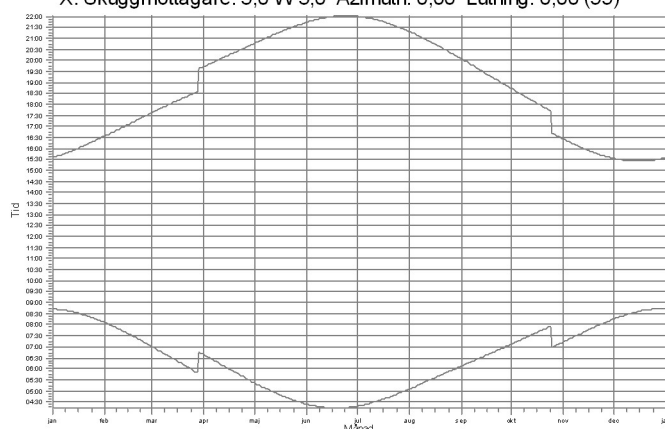
V: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (97)



W: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (98)



X: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (99)



VKV

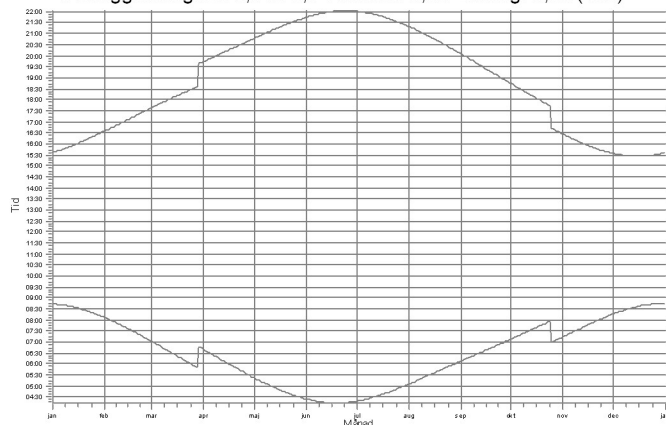
2: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (2)
7: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (7)
8: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (8)

15: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (15)
20: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (20)

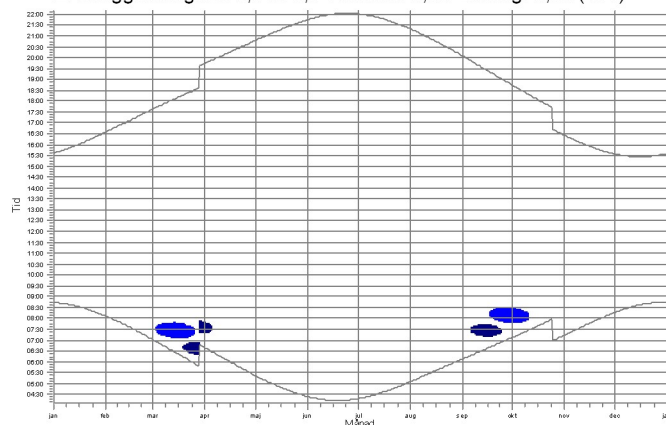
SHADOW - Kalender, grafisk

Beräkning: Kumulativ

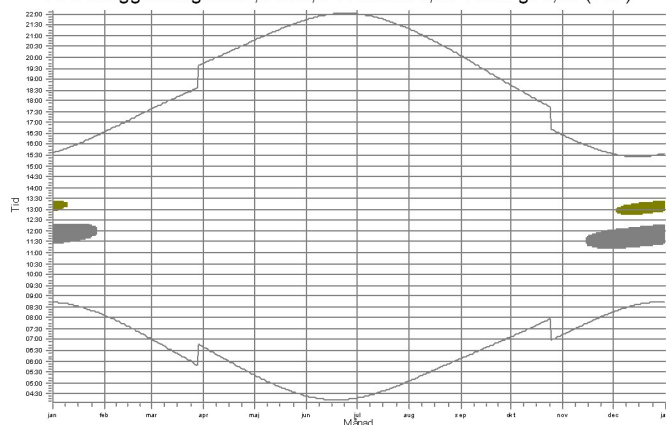
Y: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (100)



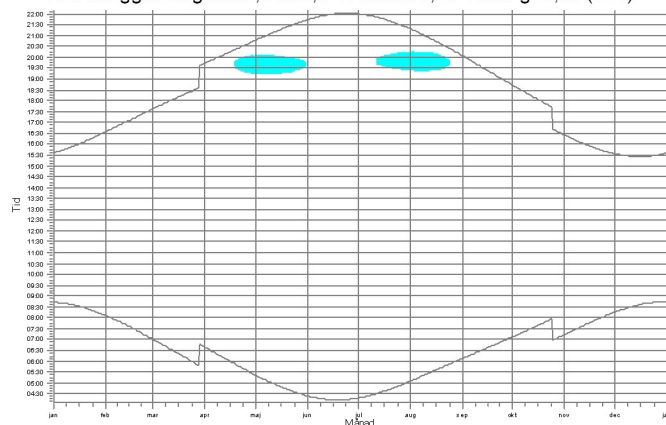
Z: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (101)



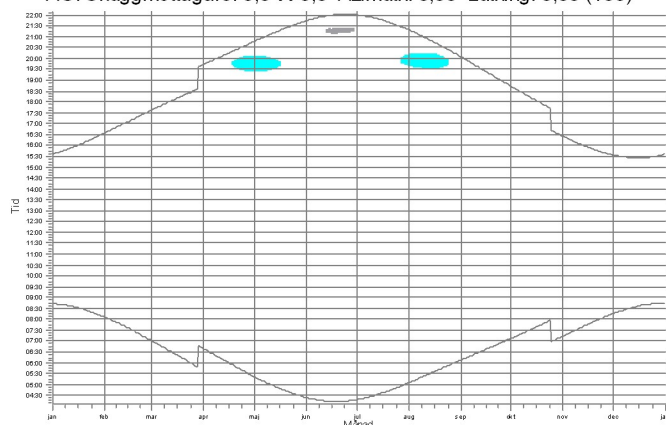
AA: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (102)



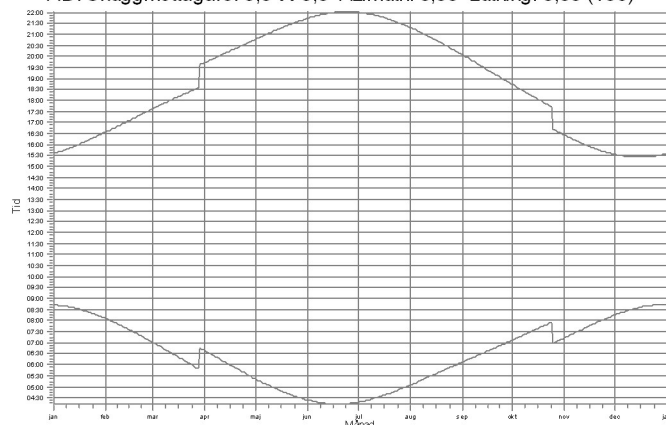
AB: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (104)



AC: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (105)



AD: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (106)



VKV

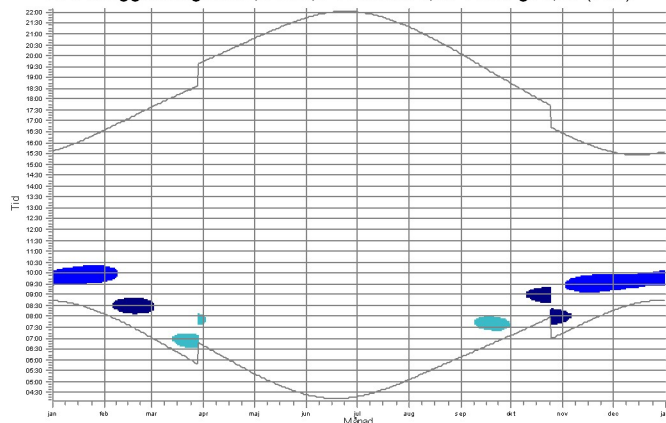
3: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (3)
4: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (4)
7: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (7)

10: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (10)
13: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (13)
16: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (16)

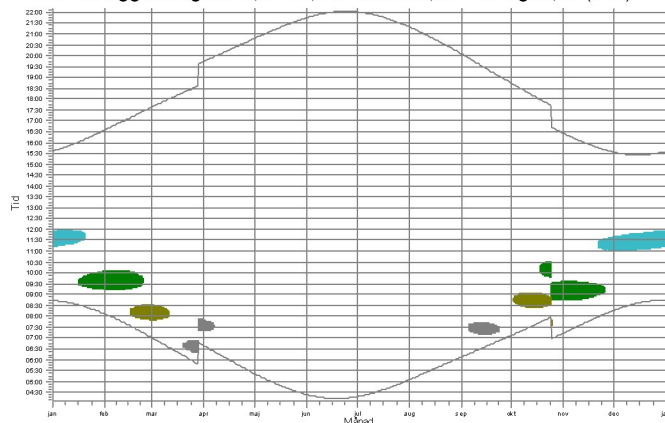
SHADOW - Kalender, grafisk

Beräkning: Kumulativ

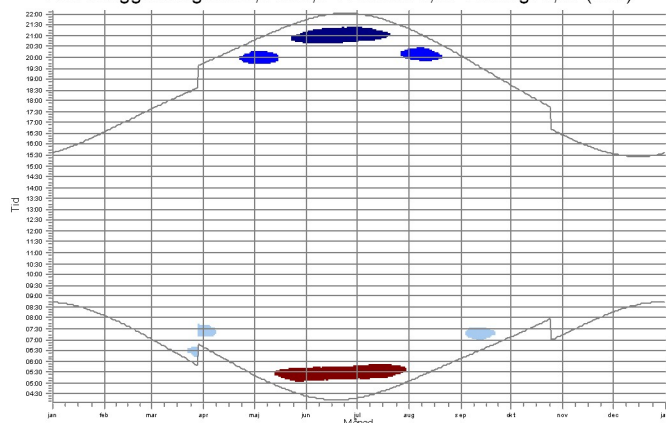
AE: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (107)



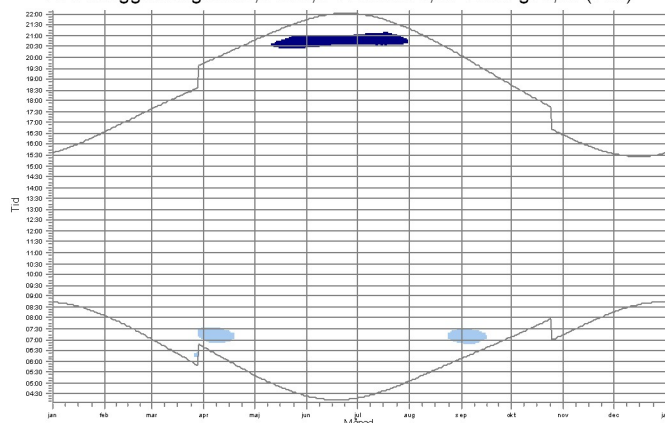
AF: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (108)



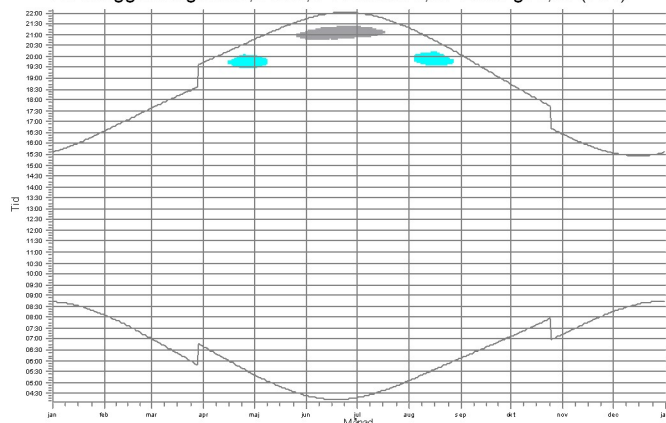
AG: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (109)



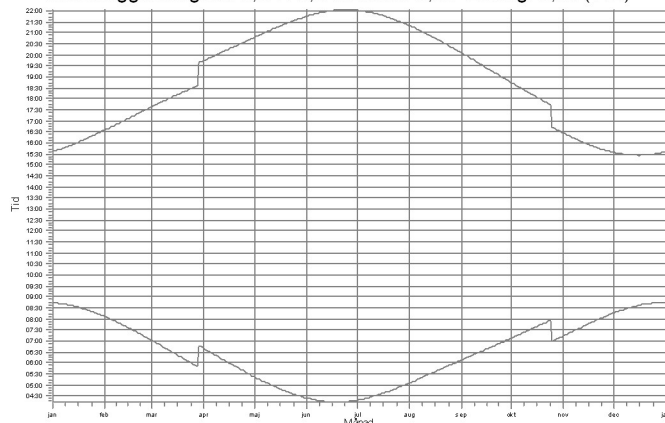
AH: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (110)



AI: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (111)



AJ: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (112)



VKV

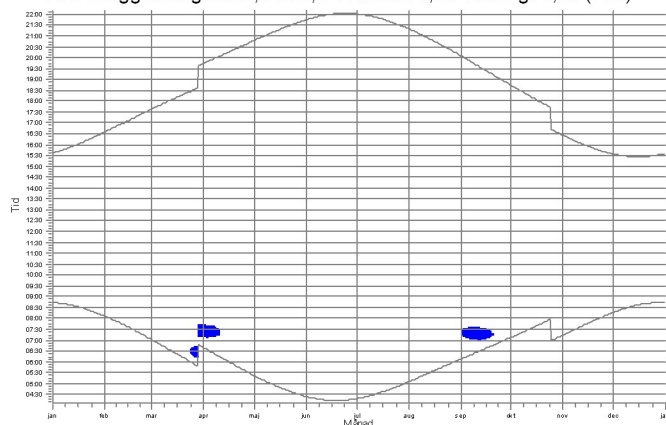
- 1: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (1)
- 3: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (3)
- 4: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (4)
- 7: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (7)
- 8: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (8)

- 10: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (10)
- 13: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (13)
- 15: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (15)
- 16: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (16)
- 19: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (19)

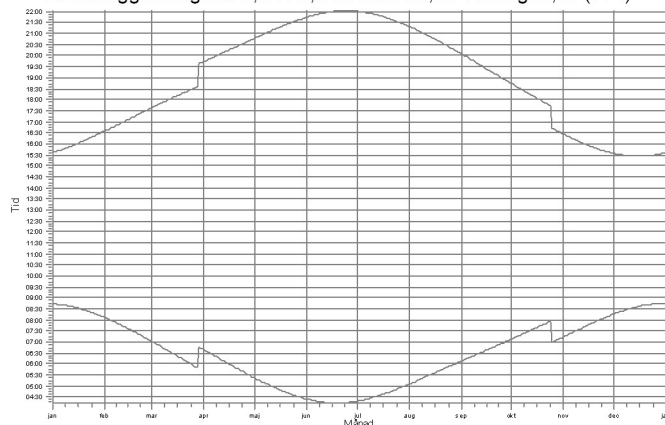
SHADOW - Kalender, grafisk

Beräkning: Kumulativ

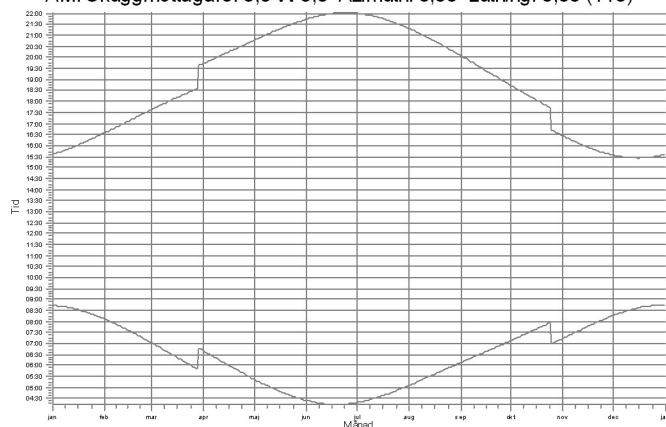
AK: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (113)



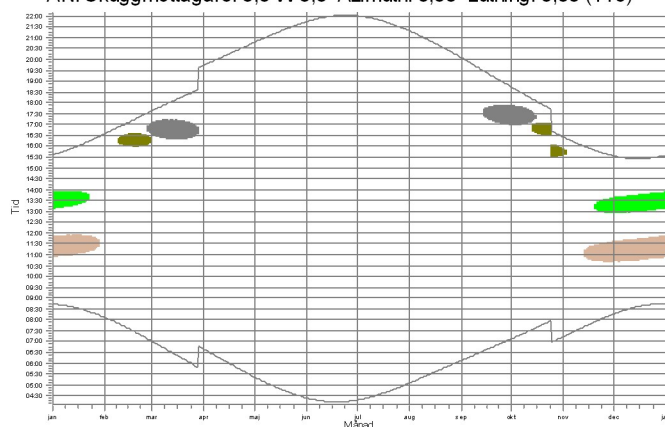
AL: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (114)



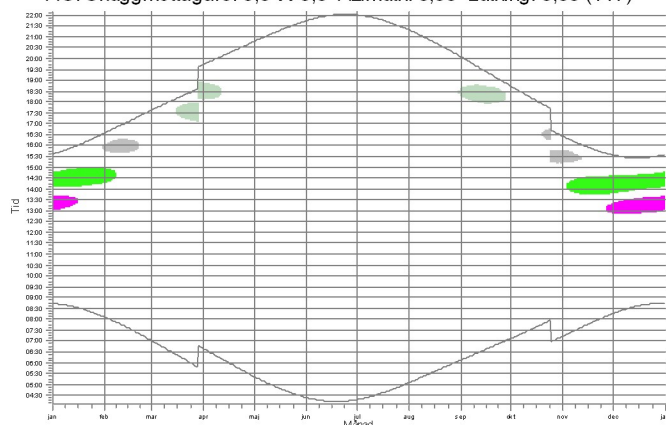
AM: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (115)



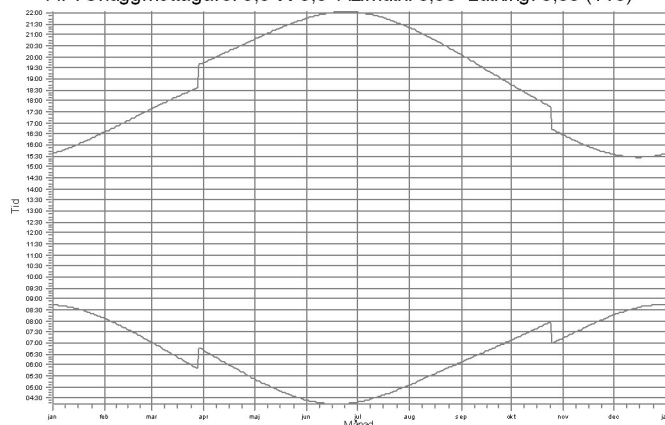
AN: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (116)



AO: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (117)



AP: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (118)



VKV

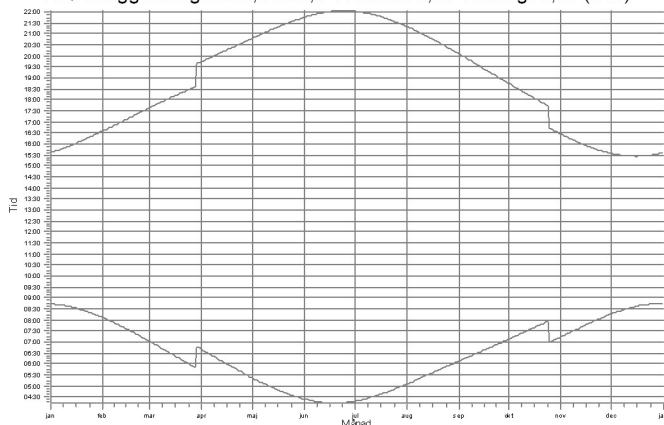
- 2: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (2)
- 3: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (3)
- 4: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (4)
- 5: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (5)
- 9: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (9)

- 10: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (10)
- 12: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (12)
- 14: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (14)
- 17: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (17)
- 18: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (18)

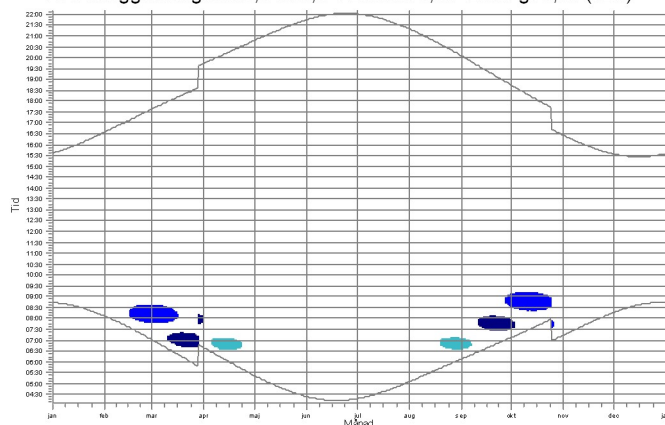
SHADOW - Kalender, grafisk

Beräkning: Kumulativ

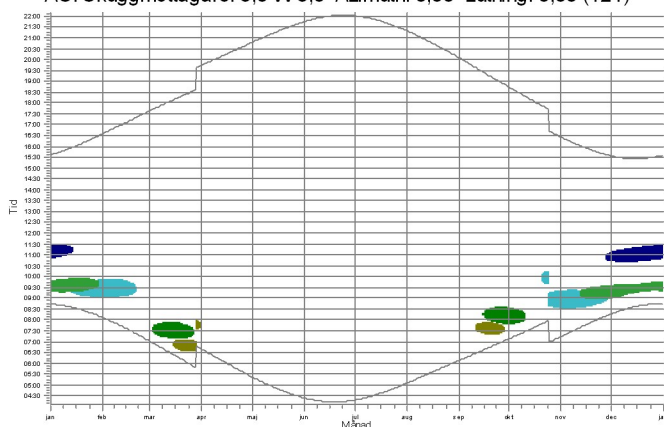
AQ: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (119)



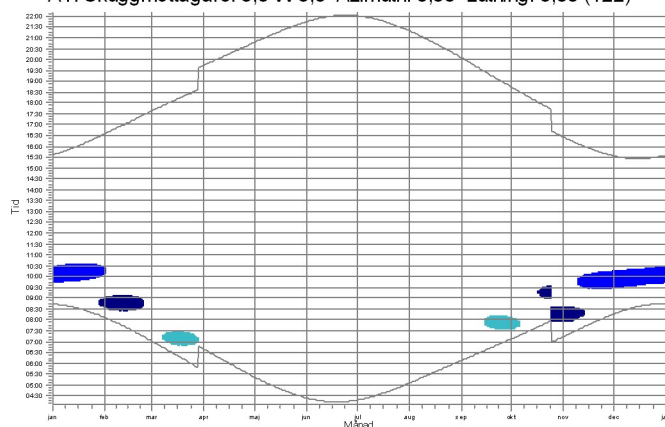
AR: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (120)



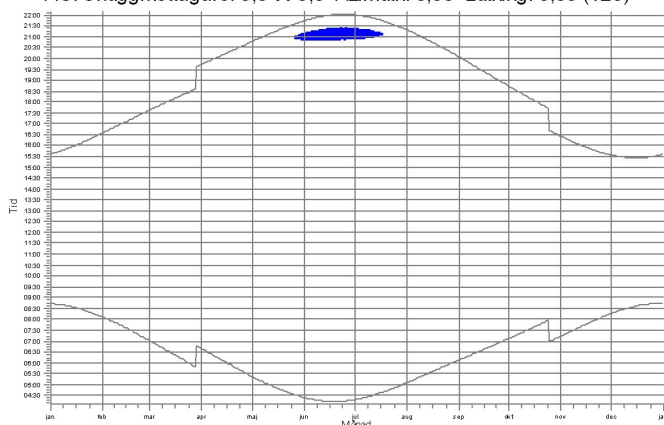
AS: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (121)



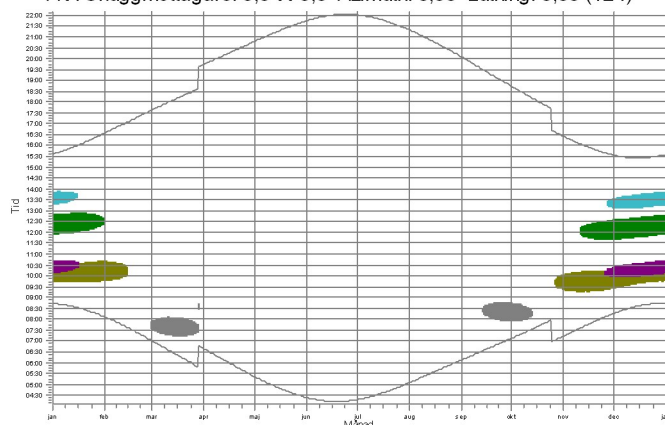
AT: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (122)



AU: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (123)



AV: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (124)



VKV

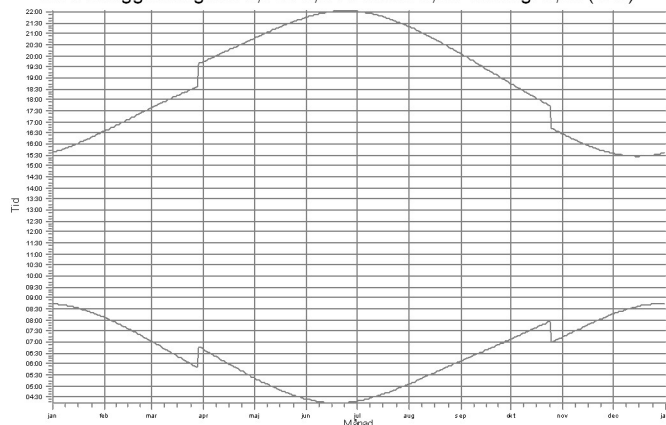
- 1: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (1)
- 3: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (3)
- 4: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (4)
- 7: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (7)

- 10: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (10)
- 11: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (11)
- 19: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (19)
- 20: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (20)

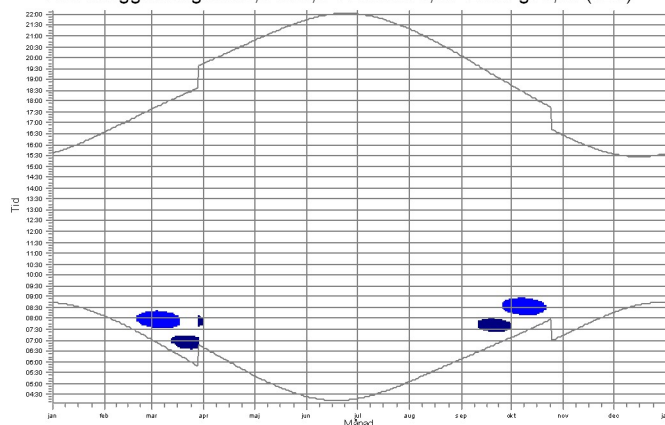
SHADOW - Kalender, grafisk

Beräkning: Kumulativ

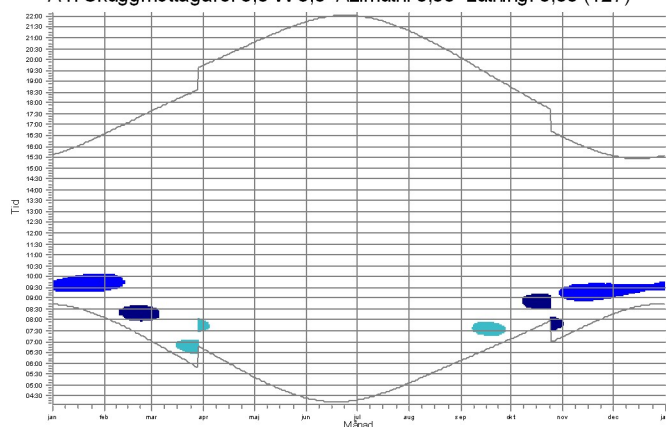
AW: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (125)



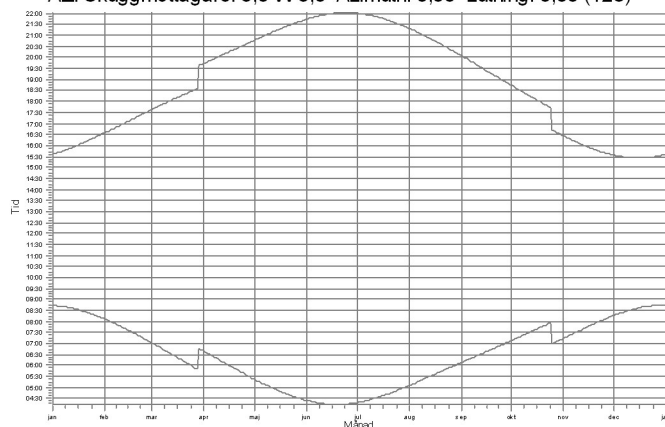
AX: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (126)



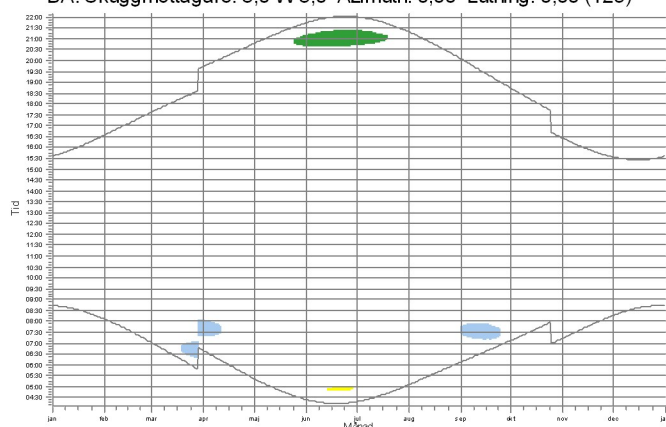
AY: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (127)



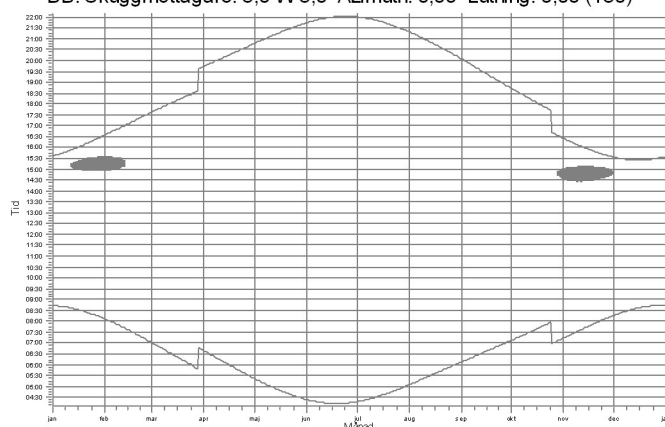
AZ: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (128)



BA: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (129)



BB: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (130)



VKV

- 2: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (2)
- 3: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (3)
- 4: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (4)
- 7: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (7)

- 15: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (15)
- 19: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (19)
- 20: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (20)

Projekt:

Skuggberäkning_Staverhult_MKB_210_201021

Användarlicens:

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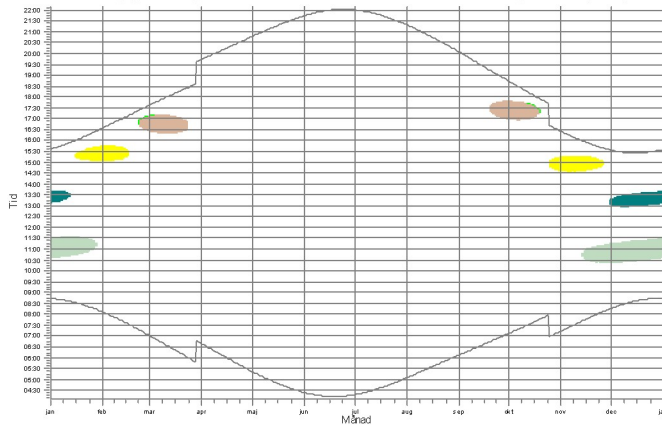
Beräknad:

2020-10-21 14:04/3.3.294

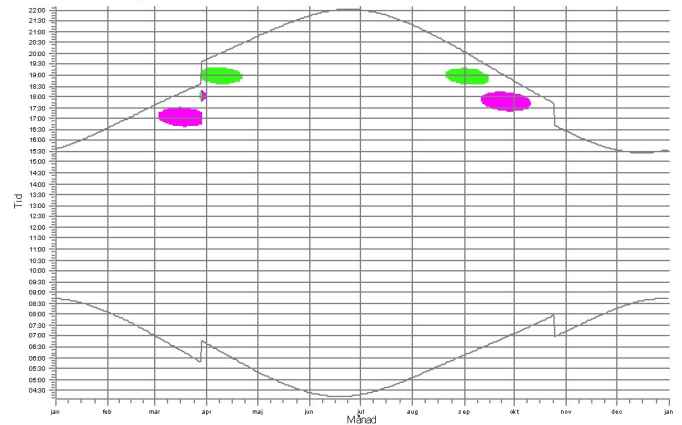
SHADOW - Kalender, grafisk

Beräkning: Kumulativ

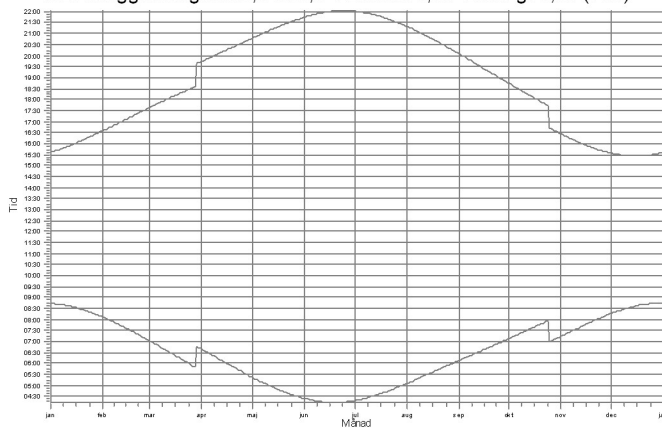
BC: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (131)



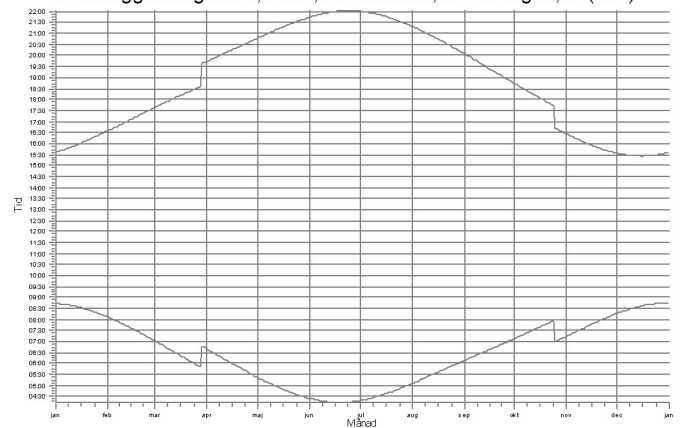
BD: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (132)



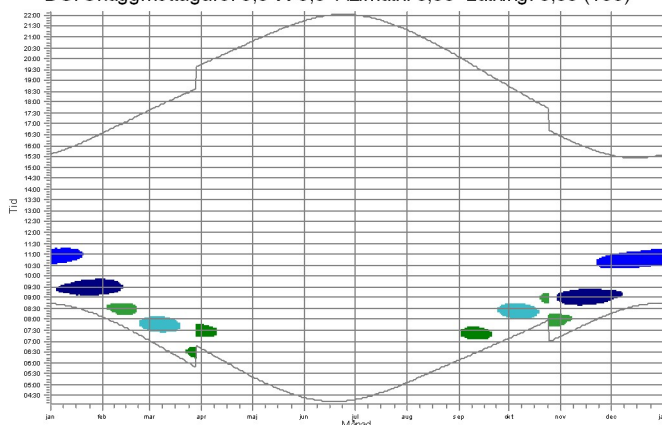
BE: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (133)



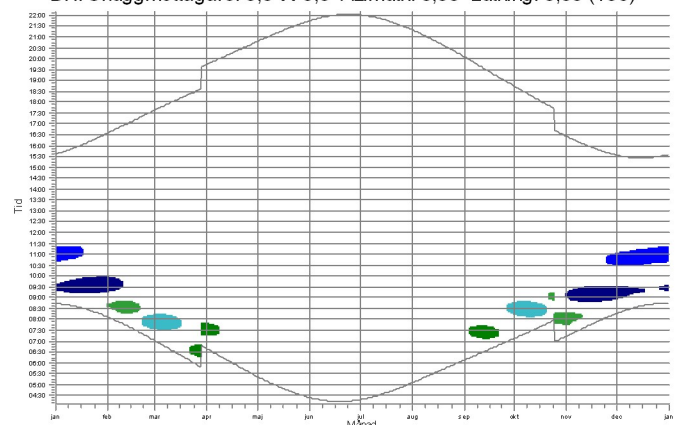
BF: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (134)



BG: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (135)



BH: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (136)



VKV

- 1: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (1)
- 2: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (2)
- 3: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (3)
- 5: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (5)
- 6: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (6)
- 7: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (7)

- 9: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (9)
- 14: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (14)
- 17: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (17)
- 18: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (18)
- 19: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (19)
- 20: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (20)

Projekt:

Skuggberäkning_Staverhult_MKB_210_201021

Användarlicens:

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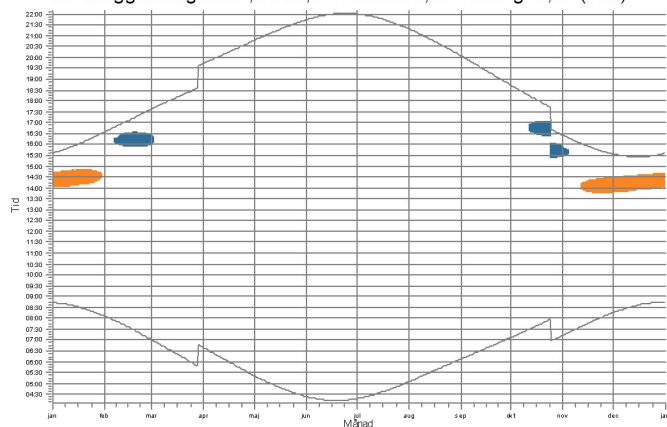
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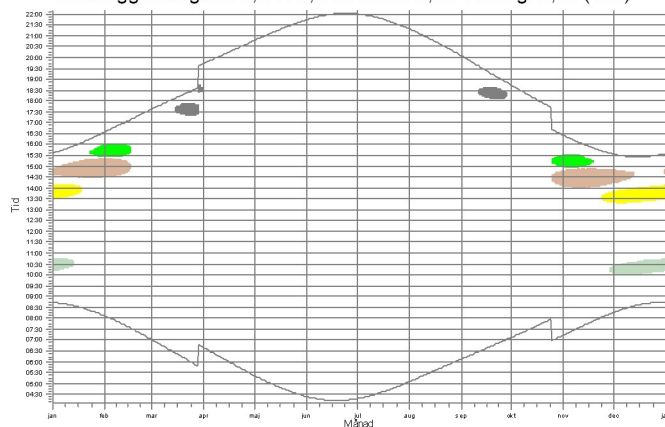
SHADOW - Kalender, grafisk

Beräkning: Kumulativ

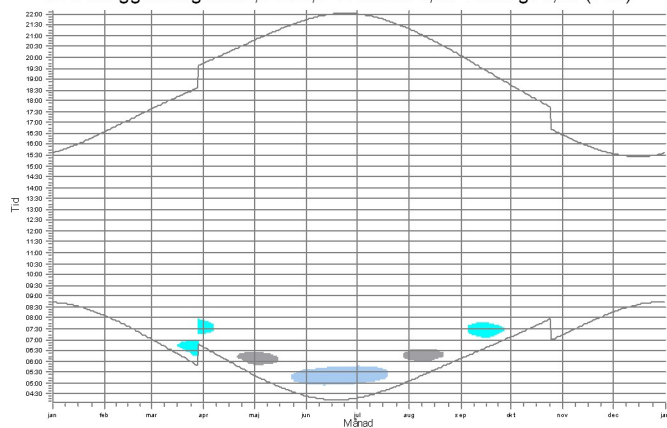
BI: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (137)



BJ: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (138)



BK: Skuggmottagare: 5,0 W 5,0 Azimuth: 0,00 Lutning: 0,00 (103)



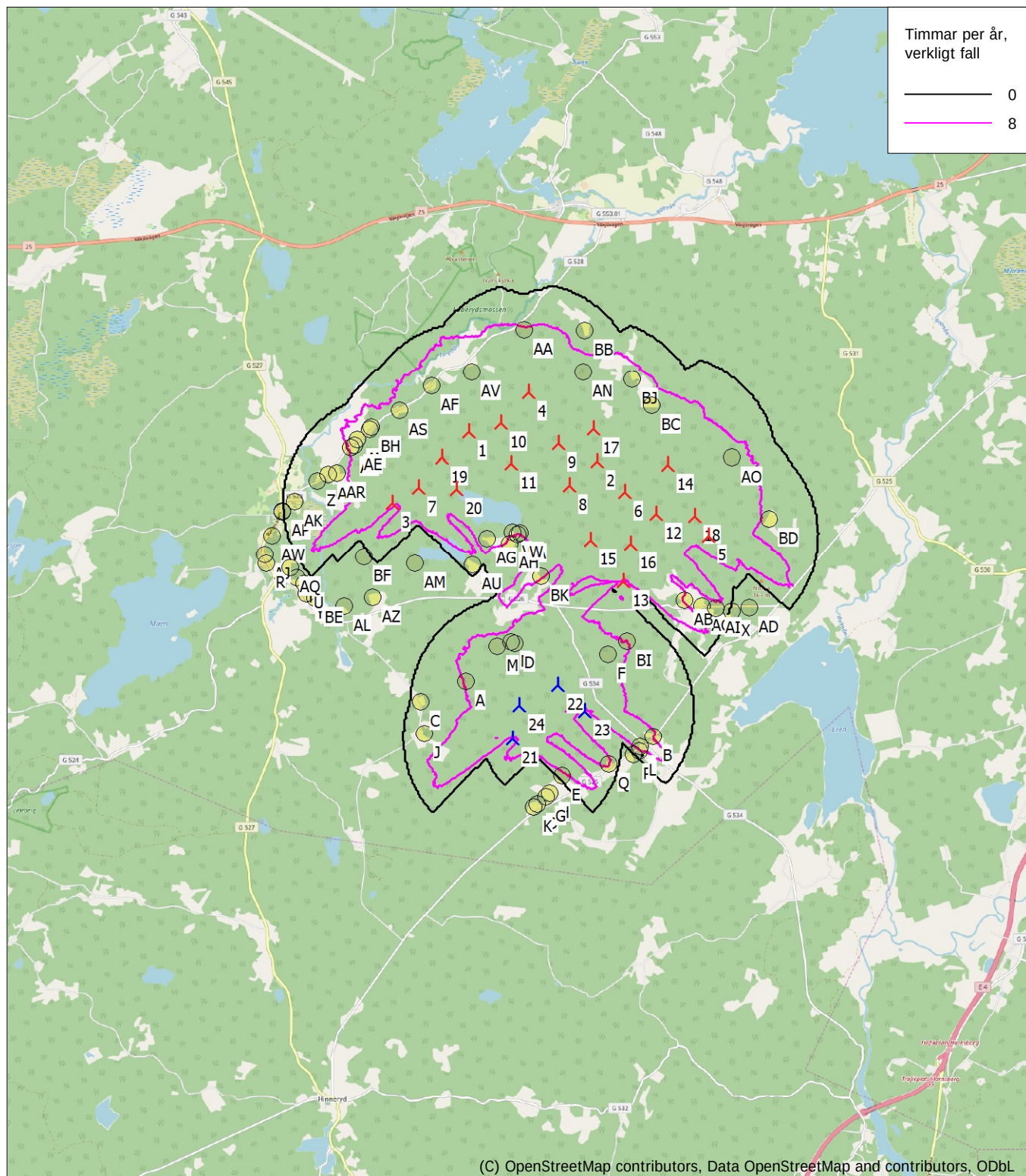
VKV

2: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (2)
4: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (4)
9: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (9)
13: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (13)
14: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (14)

15: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (15)
16: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (16)
17: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (17)
22: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (22)
23: VESTAS V190-4.0_270m_LH 4000 210.0 !O! nav: 165,0 m (TOT:270,0 m) (23)

SHADOW - Karta

Beräkning: Kumulativ



Karta: EMD OpenStreetMap , Utskriftsskala 1:100 000, Kartcentrum Swedish UTM 33-SWREF99 (SE) Ost: 418 320 Nord: 6 284 700
Nytt vindkraftverk Skuggmottagare
Flicker karta nivå: Höjd Data Objekt: Skuggberäkning_Staverhult_MKB_201021_EMDGrid_0.wpg (1)