Projekt:
Erslev

Beskrivelse:
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10/11/2026 11:55/4.3.262

SHADOW - Hovedresultat

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

Forudsætninger for skyggeberegning

Maksimal afstand for påvirkning
Medtag kun hvis mere end 20 % af solen er dækket af vingen
Se venligst vindmølletabellen

Minimum solhøjde over horisont med indflydelse	3 °
Dagstep for beregning	1 dage
Tidsskridt til beregning	1 minutter

Solskinssandsynlighed S (Gennemsnitligt antal solskinstimer om dagen) []

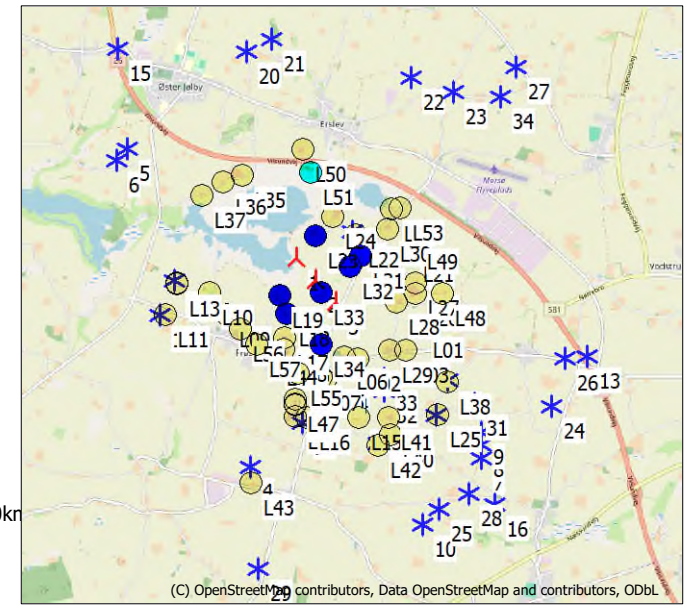
Jan	Feb	Mar	Apr	Maj	Jun	Jul	Aug	Sep	Okt	Nov	Dec
1.61	2.18	4.71	7.03	7.65	8.00	7.81	6.03	5.03	3.29	1.73	1.42

Driftstid

N	NNØ	ØNØ	Ø	ØSØ	SSØ	S	SSV	VSV	V	VNV	NNV	Sum
242	315	599	611	672	548	715	848	1,177	1,372	1,071	378	8,549

Monthly aggregation of real case reduction
For at undgå skyggekast fra ikke synlig vindmøller laves der en ZVI beregning før skyggekastberegningen. ZVI beregningen baseres på følgende forudsætninger
DHM: Højdekonturer: Danish_Elevation_Model_DTM_5.0m_Grid_Terrain_40km
Modtager netopløsning: 1.0 m
Bakke skygge er indregnet

Alle koordinater er i
UTM (north)-ETRS89 Zone: 32



Skala 1:100,000
Ny vindmølle | Eksisterende vindmølle | Skyggemodtager

Vindmøller

	Øst	Nord	Z	Række data/Beskrivelse	Vindmølletype Gyldig	Fabrikant	Type-generator	Effekt, nominel	Rotordiameter	Navhøjde	Skyggedata Beregningsafstand	Omdr
			[m]					[kW]	[m]	[m]	[m]	[Omdr]
1	484,319	6,296,712	5.0	VESTAS V162-6.2 6200 162....	Ja	VESTAS	V162-6.2-6,200	6,200	162.0	99.0	2,042	-
2	484,575	6,296,426	5.0	VESTAS V162-6.2 6200 162....	Ja	VESTAS	V162-6.2-6,200	6,200	162.0	99.0	2,042	-
3	484,830	6,296,140	9.2	VESTAS V162-6.2 6200 162....	Ja	VESTAS	V162-6.2-6,200	6,200	162.0	99.0	2,042	-
4	483,691	6,293,956	31.3	570715000000028366: 225 ...	Nej	VESTAS	V27-225/50	225	27.0	31.5	548	43.1
5	482,072	6,298,172	17.2	570715000000028823: 850 ...	Nej	VESTAS	V52-850	850	52.0	44.0	970	26.0
6	481,939	6,298,033	20.0	570715000000028830: 850 ...	Nej	VESTAS	V52-850	850	52.0	44.0	970	26.0
7	486,759	6,294,058	23.4	570715000000056543: 850 ...	Nej	VESTAS	V52-850	850	52.0	49.0	970	26.0
8	486,760	6,294,233	19.5	570715000000056550: 850 ...	Nej	VESTAS	V52-850	850	52.0	49.0	970	26.0
9	486,761	6,294,407	15.0	570715000000056567: 850 ...	Nej	VESTAS	V52-850	850	52.0	49.0	970	26.0
10	485,982	6,293,196	25.0	570715000000631375: 6 k...	Ja	KVA Diesel	Vind 6-6	6	7.1	18.0	2,500	-
11	485,057	6,297,080	10.0	570715000001430823: 11 k...	Ja	GAIA-WIND	GW133-10kW-10	10	13.0	18.0	2,500	56.0
12	486,317	6,295,102	26.8	570715000001437037: 10 k...	Ja	KVA-Diesel	KVA Vind 6 (10 kW)-10	10	7.1	18.5	2,500	-
13	488,170	6,295,412	19.9	570715000001443250: 11 k...	Ja	GAIA-WIND	GW133-10kW-10	10	13.0	18.0	2,500	56.0
14	482,699	6,296,436	10.0	570715000001445148: 11 k...	Ja	GAIA-WIND	GW133-10kW-10	10	13.0	18.0	2,500	56.0
15	481,963	6,299,509	15.0	570715000001463968: 11 k...	Ja	THY MØLLE	TWP40-10kW-10	10	7.1	21.4	2,500	-
16	486,938	6,293,453	20.1	570715000001467805: 11 k...	Ja	GAIA-WIND	GW133-10kW-10	10	13.0	18.0	2,500	56.0
17	482,504	6,295,980	15.0	570715000001487810: 11 k...	Ja	GAIA-WIND	GW133-10kW-10	10	13.0	18.0	2,500	56.0
18	484,389	6,294,552	30.0	570715000001488244: 11 k...	Ja	THY MØLLE	TWP40-10kW-10	10	7.1	21.4	2,500	-
19	485,393	6,294,272	28.8	570715000001496591: 10 k...	Ja	Solid Wind Power	SWP-10-10/7	10	14.0	18.0	2,500	50.0
20	483,658	6,299,453	24.9	570715000001497499: 11 k...	Ja	GAIA-WIND	GW133-10kW-10	10	13.0	18.0	2,500	56.0
21	484,003	6,299,625	21.7	570715000001503596: 10 k...	Ja	Solid Wind Power	SWP-10-10/7	10	14.0	18.0	2,500	50.0
22	485,851	6,299,108	30.0	570715000001514707: 10 k...	Ja	Solid Wind Power	SWP-10-10/7	10	14.0	18.0	2,500	50.0
23	486,405	6,298,910	31.4	570715000001514769: 11 k...	Ja	THY MØLLE	TWP40-10kW-10	10	7.1	21.4	2,500	-
24	487,694	6,294,742	25.0	570715000001514776: 10 k...	Ja	Solid Wind Power	SWP-10-10/7	10	14.0	18.0	2,500	50.0
25	486,194	6,293,392	30.7	570715000001518675: 11 k...	Ja	GAIA-WIND	GW133-10kW-10	10	13.0	18.0	2,500	56.0
26	487,872	6,295,387	21.1	570715000001532343: 11 k...	Ja	GAIA-WIND	GW133-10kW-10	10	13.0	18.0	2,500	56.0
27	487,235	6,299,242	34.6	570715000001533364: 10 k...	Ja	Solid Wind Power	SWP-10-10/7	10	14.0	18.0	2,500	50.0
28	486,585	6,293,592	30.0	570715000001551283: 10 k...	Ja	Solid Wind Power	SWP-10-10/7	10	14.0	18.0	2,500	50.0
29	483,791	6,292,620	35.0	570715000001552129: 10 k...	Ja	Solid Wind Power	SWP-10-10/7	10	14.0	18.0	2,500	50.0
30	486,164	6,294,638	30.0	570715000001552143: 10 k...	Ja	Solid Wind Power	SWP-10-10/7	10	14.0	18.0	2,500	50.0
31	486,677	6,294,795	21.4	570715000001619105: 10 k...	Ja	KVA-Diesel	KVA Vind 6 (10 kW)-10	10	7.1	18.5	2,500	-
32	485,476	6,294,957	30.0	570715000000028427: 500 ...	Nej	VESTAS	V39-500	500	39.0	40.5	765	30.0
33	485,477	6,295,119	30.0	570715000000028434: 500 ...	Nej	VESTAS	V39-500	500	39.0	40.5	765	30.0
34	487,031	6,298,851	30.4	Generisk Ca. 10 kW 10 10.0...	Ja	Generisk	Ca. 10 kW-10	10	10.0	18.0	2,500	-

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SHADOW - Hovedresultat

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

Skyggemodtager-Inddata

Antal	Navn	Øst	Nord	Z	Bredde	Højde	Højde højde over terræn	Vinduets hældning	Retningsmetode	Øjenhøjde for ZVI
				[m]	[m]	[m]	[m]	[°]		[m]
L01	Elsøvej 154, Elsø, 7900 Nykøbing M	485,969	6,295,815	25.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L02	Elsøvej 155, Frøslev, 7900 Nykøbing M	485,128	6,295,384	19.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L03	Elsøvej 156, Elsø, 7900 Nykøbing M	485,765	6,295,498	20.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L04	Elsøvej 157, Frøslev, 7900 Nykøbing M	484,695	6,295,087	15.4	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L05	Elsøvej 159, Frøslev, 7900 Nykøbing M	484,641	6,295,149	15.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L06	Elsøvej 160, Frøslev, 7900 Nykøbing M	484,946	6,295,402	17.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L07	Elsøvej 161, Frøslev, 7900 Nykøbing M	484,599	6,295,122	15.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L08	Elsøvej 178, Frøslev, 7900 Nykøbing M	484,154	6,295,511	15.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L09	Elsøvej 260, Frøslev, 7900 Nykøbing M	483,397	6,295,973	15.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L10	Elsøvej 262, Frøslev, 7900 Nykøbing M	483,165	6,296,272	5.5	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L11	Elsøvej 277, Frøslev, 7900 Nykøbing M	482,585	6,295,976	15.8	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L12	Elsøvej 284, Frøslev, 7900 Nykøbing M	482,743	6,296,394	10.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L13	Elsøvej 286, Frøslev, 7900 Nykøbing M	482,737	6,296,385	10.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L14	Friskolebakke 24, Frøslev, 7900 Nykøbing M	484,308	6,294,620	30.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L15	Øksendal 12, Frøslev, 7900 Nykøbing M	485,144	6,294,613	30.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L16	Friskolebakke 26, Frøslev, 7900 Nykøbing M	484,448	6,294,598	30.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L17	Frøslevkær 4, Frøslev, 7900 Nykøbing M	484,167	6,295,670	15.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L18	Frøslevkær 6, Frøslev, 7900 Nykøbing M	484,186	6,295,987	8.4	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L19	Frøslevkær 8, Frøslev, 7900 Nykøbing M	484,103	6,296,224	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L20	Grønholm 2, 7950 Erslev	485,813	6,296,767	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L21	Grønholm 7, 7950 Erslev	485,836	6,296,832	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L22	Holme 2, 7950 Erslev	485,105	6,297,029	9.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L23	Holme 3, 7950 Erslev	484,579	6,297,020	6.9	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L24	Holme 4, 7950 Erslev	484,810	6,297,264	10.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L25	Holmgårdsvej 9, Elsø, 7900 Nykøbing M	486,186	6,294,632	29.8	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L26	Kildevej 10, Elsø, 7900 Nykøbing M	485,904	6,296,250	6.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L27	Kildevej 12, Elsø, 7900 Nykøbing M	485,902	6,296,389	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L28	Kildevej 14, Andrup, 7900 Nykøbing M	485,642	6,296,128	10.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L29	Kildevej 16, Andrup, 7900 Nykøbing M	485,554	6,295,494	20.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L30	Lyngbro 17, 7950 Erslev	485,530	6,297,097	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L31	Lyngbro 18, 7950 Erslev	485,175	6,296,748	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L32	Lyngbro 20, Frøslev, 7900 Nykøbing M	485,040	6,296,605	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L33	Lyngbro 24, Frøslev, 7900 Nykøbing M	484,644	6,296,261	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L34	Lyngbro 26, Frøslev, 7900 Nykøbing M	484,641	6,295,571	15.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L35	Mølagre 12, 7950 Erslev	483,615	6,297,816	5.6	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L36	Mølagre 14, 7950 Erslev	483,351	6,297,732	5.5	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L37	Mølagre 18, 7950 Erslev	483,077	6,297,556	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L38	Thorshøjvej 4, Elsø, 7900 Nykøbing M	486,320	6,295,066	27.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L40	Øksendal 9, Lødderup, 7900 Nykøbing M	485,567	6,294,378	25.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L41	Øksendal 10, Frøslev, 7900 Nykøbing M	485,546	6,294,611	30.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L42	Øksendal 11, Frøslev, 7900 Nykøbing M	485,399	6,294,235	29.2	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L43	Østervang 32, Frøslev, 7900 Nykøbing M	483,710	6,293,747	32.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L44	Frøslevlund 18, Frøslev, 7900 Nykøbing M	484,030	6,295,461	12.9	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L45	Friskolebakke 18, Frøslev, 7900 Nykøbing M	484,299	6,294,766	27.3	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L46	Friskolebakke 16A, Frøslev, 7900 Nykøbing M	484,302	6,294,793	26.5	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L47	Friskolebakke 16, Frøslev, 7900 Nykøbing M	484,306	6,294,847	25.1	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L48	Kildevej 6, Elsø, 7900 Nykøbing M	486,257	6,296,232	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L49	Grønholm 5, Erslev, 7950 Erslev	485,887	6,296,987	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L50	Frederik Kroghs Mark 19, Erslev, 7950 Erslev	484,412	6,298,153	11.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L51	Mølagre 3, Erslev, 7950 Erslev - ikke beboet	484,519	6,297,857	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L52	Lyngbro 12, Erslev, 7950 Erslev	485,583	6,297,365	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L53	Lyngbro 10, Erslev, 7950 Erslev	485,695	6,297,376	5.4	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L55	Elsøvej 164, Frøslev, 7900 Nykøbing M	484,338	6,295,195	15.4	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L56	Majgårdsvej 11, Frøslev, 7900 Nykøbing M	483,576	6,295,790	15.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L57	Frøslevkær 7, Frøslev, 7900 Nykøbing M	483,795	6,295,578	13.2	15.0	15.0	1.0	0.0	Drivhustilstand	1.0

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SHADOW - Hovedresultat

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

Beregningsresultater

Skyggemodtager

Antal	Navn	Skygge, worst case			Skygge, forventede værdier
		Skyggetimer pr. år [h/år]	Skyggedage pr. år [dage/år]	Maks. skygge-timer pr dag [h/dag]	Skyggetimer pr. år [h/år]
L01	Elsøvej 154, Elsø, 7900 Nykøbing M	26:16	73	0:35	7:23
L02	Elsøvej 155, Frøslev, 7900 Nykøbing M	26:56	84	0:29	3:37
L03	Elsøvej 156, Elsø, 7900 Nykøbing M	66:28	157	0:43	14:17
L04	Elsøvej 157, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L05	Elsøvej 159, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L06	Elsøvej 160, Frøslev, 7900 Nykøbing M	11:54	52	0:21	1:47
L07	Elsøvej 161, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L08	Elsøvej 178, Frøslev, 7900 Nykøbing M	4:31	32	0:12	1:22
L09	Elsøvej 260, Frøslev, 7900 Nykøbing M	40:41	133	0:31	12:36
L10	Elsøvej 262, Frøslev, 7900 Nykøbing M	33:22	108	0:34	10:04
L11	Elsøvej 277, Frøslev, 7900 Nykøbing M	89:22	101	1:25	27:06
L12	Elsøvej 284, Frøslev, 7900 Nykøbing M	10:13	50	0:22	3:05
L13	Elsøvej 286, Frøslev, 7900 Nykøbing M	9:59	49	0:21	3:01
L14	Friskolebakke 24, Frøslev, 7900 Nykøbing M	22:33	49	0:45	3:38
L15	Øksendal 12, Frøslev, 7900 Nykøbing M	0:52	26	0:02	0:05
L16	Friskolebakke 26, Frøslev, 7900 Nykøbing M	43:19	65	1:04	10:07
L17	Frøslevkær 4, Frøslev, 7900 Nykøbing M	46:13	76	0:53	14:39
L18	Frøslevkær 6, Frøslev, 7900 Nykøbing M	78:16	105	1:02	24:14
L19	Frøslevkær 8, Frøslev, 7900 Nykøbing M	188:00	190	1:24	58:09
L20	Grønholm 2, 7950 Erslev	36:30	110	0:36	8:16
L21	Grønholm 7, 7950 Erslev	33:55	106	0:34	7:28
L22	Holme 2, 7950 Erslev	121:08	173	0:58	19:52
L23	Holme 3, 7950 Erslev	333:30	181	2:38	50:13
L24	Holme 4, 7950 Erslev	105:39	120	1:08	14:38
L25	Holmgårdsvej 9, Elsø, 7900 Nykøbing M	331:22	184	3:40	94:31
L26	Kildevej 10, Elsø, 7900 Nykøbing M	35:07	95	0:37	10:03
L27	Kildevej 12, Elsø, 7900 Nykøbing M	34:42	99	0:36	9:42
L28	Kildevej 14, Andrup, 7900 Nykøbing M	67:50	113	0:51	19:43
L29	Kildevej 16, Andrup, 7900 Nykøbing M	26:49	83	0:32	4:29
L30	Lyngbro 17, 7950 Erslev	67:17	172	0:37	11:21
L31	Lyngbro 18, 7950 Erslev	181:12	230	1:02	34:22
L32	Lyngbro 20, Frøslev, 7900 Nykøbing M	306:46	280	1:24	62:55
L33	Lyngbro 24, Frøslev, 7900 Nykøbing M	504:29	267	2:51	123:24
L34	Lyngbro 26, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L35	Mølagre 12, 7950 Erslev	33:09	62	0:39	3:51
L36	Mølagre 14, 7950 Erslev	15:16	49	0:30	1:48
L37	Mølagre 18, 7950 Erslev	11:06	40	0:26	1:39
L38	Thorshøjvej 4, Elsø, 7900 Nykøbing M	17:10	89	0:17	3:34
L40	Øksendal 9, Lødderup, 7900 Nykøbing M	12:34	36	0:31	2:24
L41	Øksendal 10, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L42	Øksendal 11, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L43	Østervang 32, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L44	Frøslevlund 18, Frøslev, 7900 Nykøbing M	12:30	47	0:23	3:52
L45	Friskolebakke 18, Frøslev, 7900 Nykøbing M	1:02	14	0:06	0:06
L46	Friskolebakke 16A, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L47	Friskolebakke 16, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L48	Kildevej 6, Elsø, 7900 Nykøbing M	17:31	74	0:26	5:00
L49	Grønholm 5, Erslev, 7950 Erslev	28:44	99	0:31	5:44
L50	Frederik Kroghs Mark 19, Erslev, 7950 Erslev	0:00	0	0:00	0:00
L51	Mølagre 3, Erslev, 7950 Erslev - ikke beboet	0:00	0	0:00	0:00
L52	Lyngbro 12, Erslev, 7950 Erslev	46:35	130	0:31	6:58
L53	Lyngbro 10, Erslev, 7950 Erslev	42:15	129	0:29	6:21
L55	Elsøvej 164, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L56	Majgårdsvej 11, Frøslev, 7900 Nykøbing M	49:46	123	0:36	15:46
L57	Frøslevkær 7, Frøslev, 7900 Nykøbing M	31:52	87	0:36	10:14

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10/11/2026 11:55/4.3.262

SHADOW - Hovedresultat

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

Samlet skyggekast på skyggemodtagerne fra hver enkelt vindmølle

Antal	Navn	Værste scenarie [h/år]	Forventet [h/år]
1	VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)	451:03	96:11
2	VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)	601:32	136:23
3	VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)	1074:52	251:04
4	570715000000028366: 225 kW VESTAS - Frøslev	0:00	0:00
5	570715000000028823: 850 kW VESTAS - Ø.Jølby	0:00	0:00
6	570715000000028830: 850 kW VESTAS - Ø.Jølby	0:00	0:00
7	570715000000056543: 850 kW VESTAS - Lødderup	4:17	0:30
8	570715000000056550: 850 kW VESTAS - Lødderup	4:34	0:39
9	570715000000056567: 850 kW VESTAS - Lødderup	11:47	1:46
10	570715000000631375: 6 kW KVA Diesel - Morsø	0:00	0:00
11	570715000001430823: 11 kW GAIA WIND - Morsø	3:53	0:36
12	570715000001437037: 10 kW KVA Diesel - Morsø	0:00	0:00
13	570715000001443250: 11 kW GAIA WIND - Morsø	0:00	0:00
14	570715000001445148: 11 kW GAIA WIND - Morsø	0:13	0:03
15	570715000001463968: 11 kW THY MØLLE - Morsø	0:00	0:00
16	570715000001467805: 11 kW GAIA WIND - Morsø	0:00	0:00
17	570715000001487810: 11 kW GAIA WIND - Morsø	82:40	25:02
18	570715000001488244: 11 kW THY MØLLE - Morsø	66:54	13:53
19	570715000001496591: 10 kW Solid Wind Power - Morsø	13:26	2:30
20	570715000001497499: 11 kW GAIA WIND - Morsø	0:00	0:00
21	570715000001503596: 10 kW Solid Wind Power - Morsø	0:00	0:00
22	570715000001514707: 10 kW Solid Wind Power - Morsø	0:00	0:00
23	570715000001514769: 11 kW THY MØLLE - Morsø	0:00	0:00
24	570715000001514776: 10 kW Solid Wind Power - Morsø	0:00	0:00
25	570715000001518675: 11 kW GAIA WIND - Morsø	0:00	0:00
26	570715000001532343: 11 kW GAIA WIND - Morsø	0:00	0:00
27	570715000001533364: 10 kW Solid Wind Power - Morsø	0:00	0:00
28	570715000001551283: 10 kW Solid Wind Power - Morsø	0:00	0:00
29	570715000001552129: 10 kW Solid Wind Power - Morsø	0:00	0:00
30	570715000001552143: 10 kW Solid Wind Power - Morsø	317:41	92:23
31	570715000001619105: 10 kW KVA Diesel - Morsø	0:00	0:00
32	570715000000028427: 500 kW VESTAS - Frøslev	27:28	3:23
33	570715000000028434: 500 kW VESTAS - Frøslev	56:44	7:54
34	Generisk Ca. 10 kW 10 10.0 !O! nav: 18.0 m (TOT:23.0 m) (250)	0:00	0:00

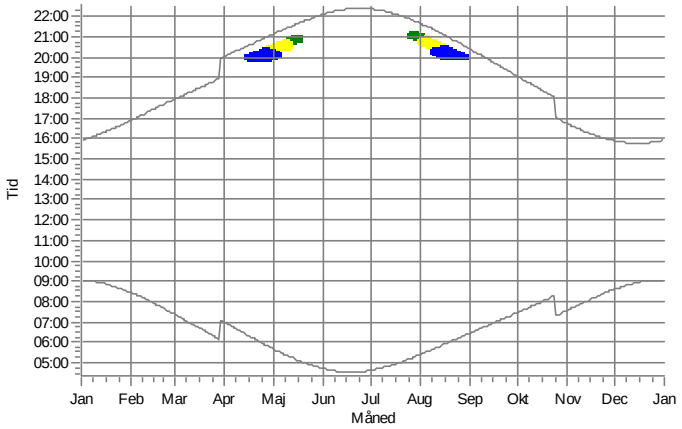
Total tid angivet i receptor- og vindmølle-tabel kan afvige idet en vindmølle kan forårsage skyggekast ved to eller flere receptorer på samme tid. På samme måde kan en receptor modtage skyggekast fra to eller flere vindmøller samtidigt.

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

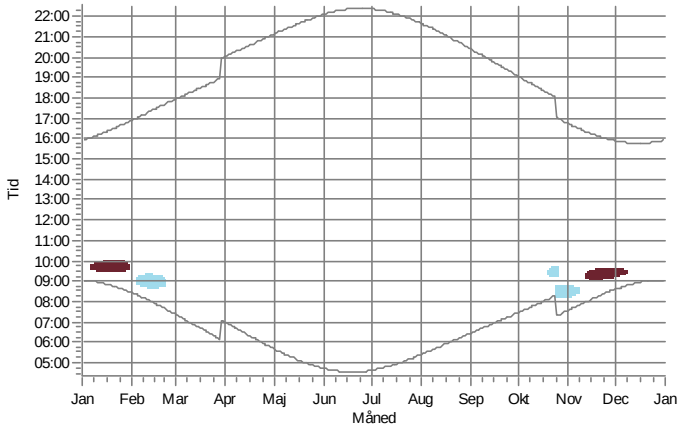
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

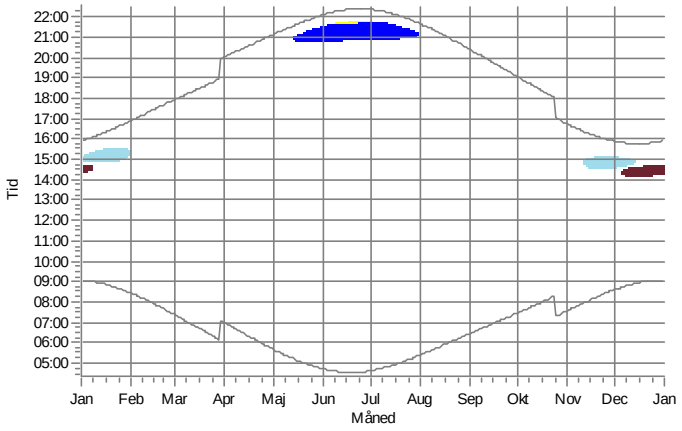
L01: Elsøvej 154, Elsø, 7900 Nykøbing M



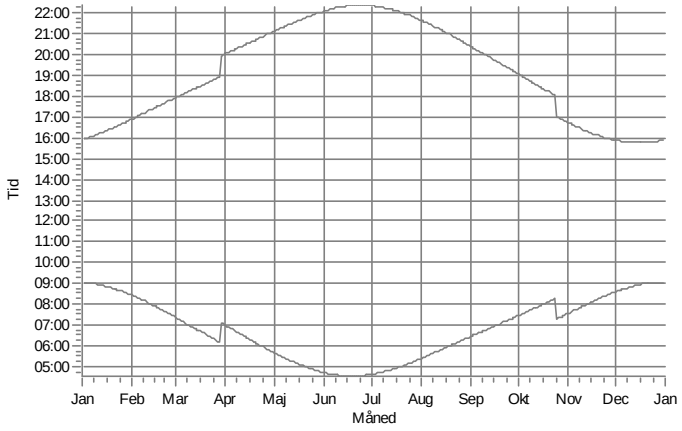
L02: Elsøvej 155, Frøslev, 7900 Nykøbing M



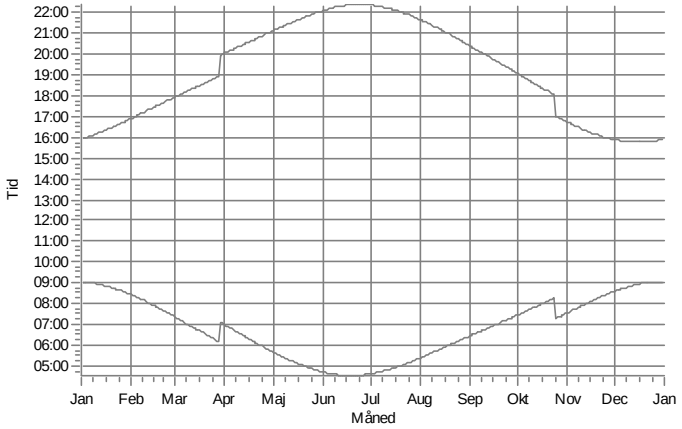
L03: Elsøvej 156, Elsø, 7900 Nykøbing M



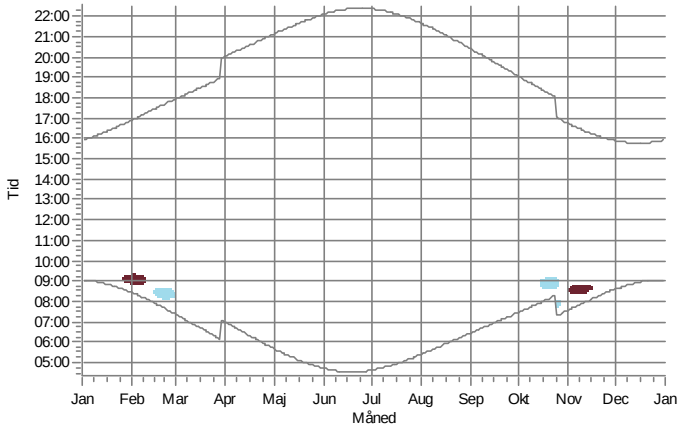
L04: Elsøvej 157, Frøslev, 7900 Nykøbing M



L05: Elsøvej 159, Frøslev, 7900 Nykøbing M



L06: Elsøvej 160, Frøslev, 7900 Nykøbing M



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)
32: 570715000000028427: 500 kW VESTAS - Frøslev
33: 570715000000028434: 500 kW VESTAS - Frøslev

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

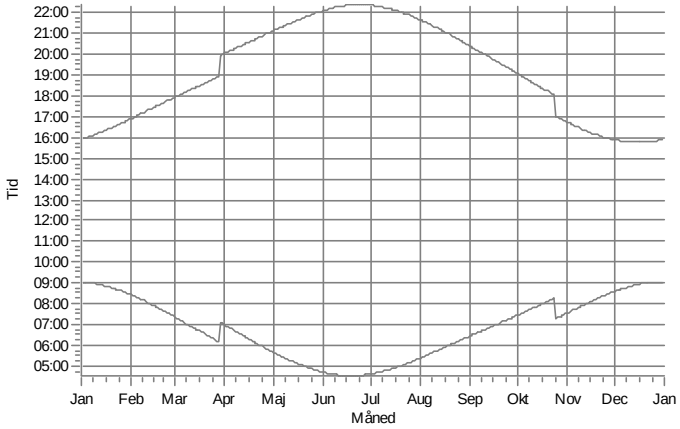
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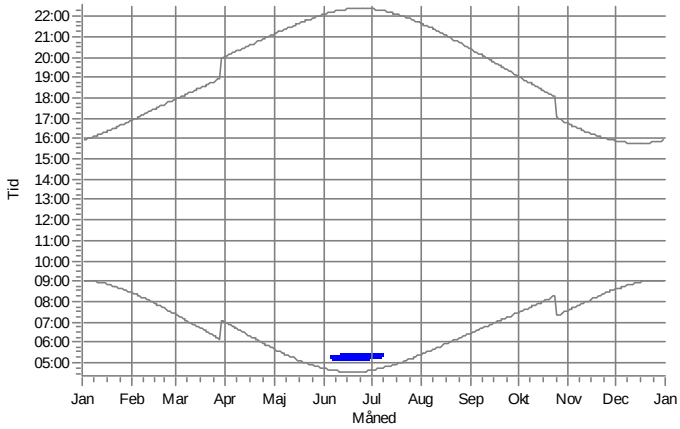
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

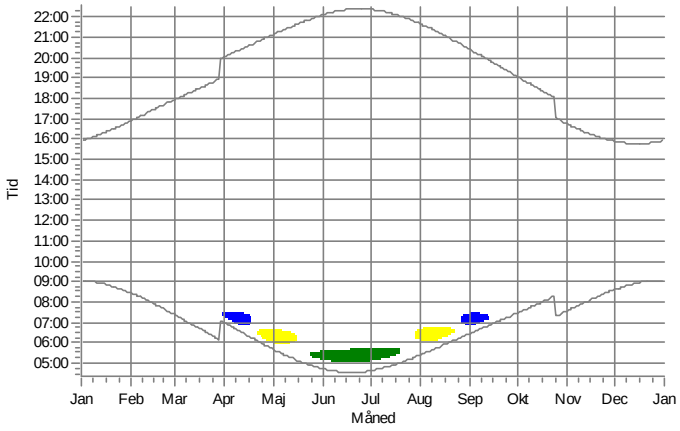
L07: Elsøvej 161, Frøslev, 7900 Nykøbing M



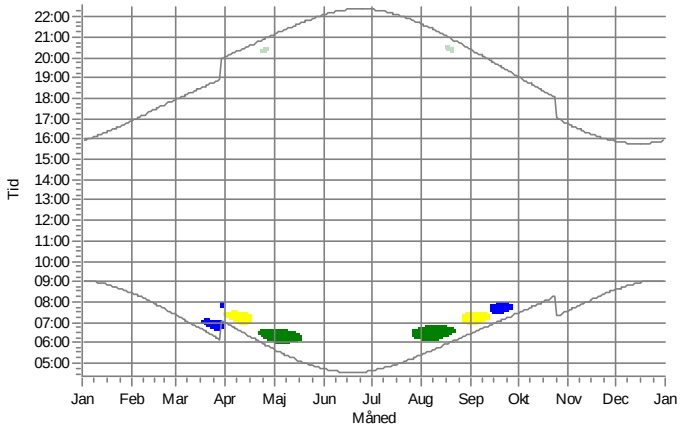
L08: Elsøvej 178, Frøslev, 7900 Nykøbing M



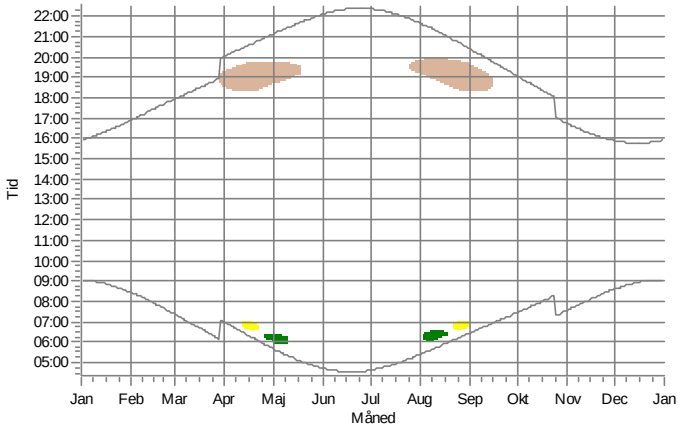
L09: Elsøvej 260, Frøslev, 7900 Nykøbing M



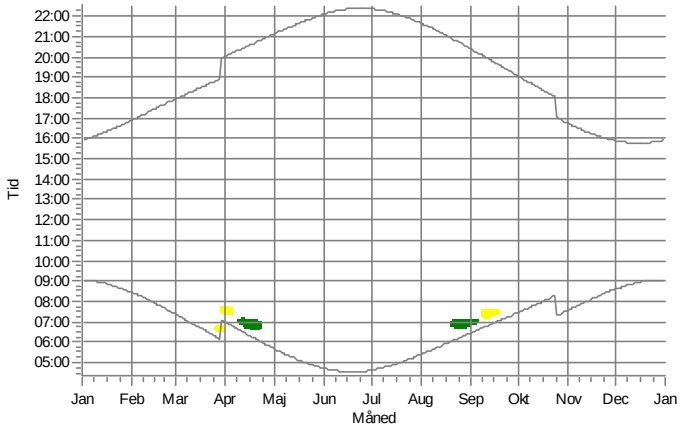
L10: Elsøvej 262, Frøslev, 7900 Nykøbing M



L11: Elsøvej 277, Frøslev, 7900 Nykøbing M



L12: Elsøvej 284, Frøslev, 7900 Nykøbing M



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)
14: 570715000001445148: 11 kW GAIA WIND - Morsø
17: 570715000001487810: 11 kW GAIA WIND - Morsø

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

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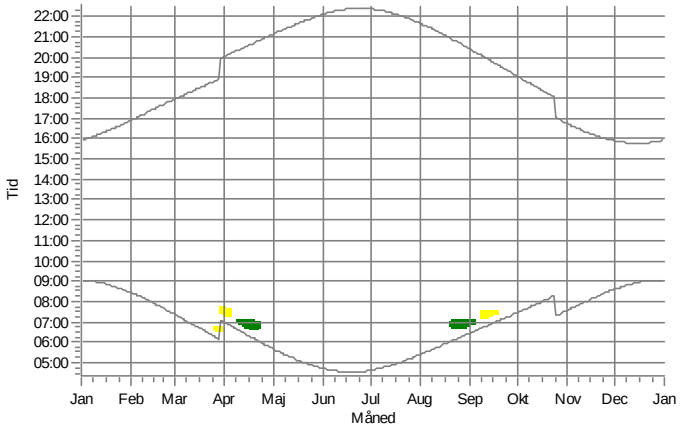
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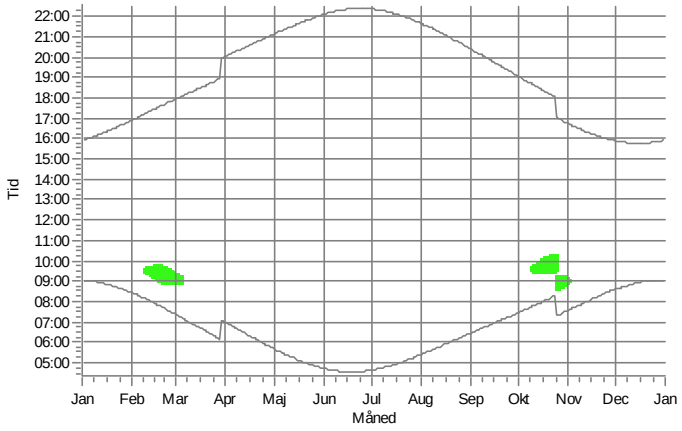
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

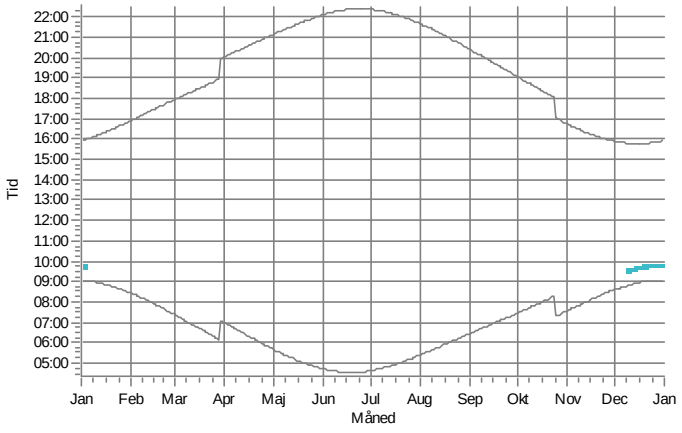
L13: Elsøvej 286, Frøslev, 7900 Nykøbing M



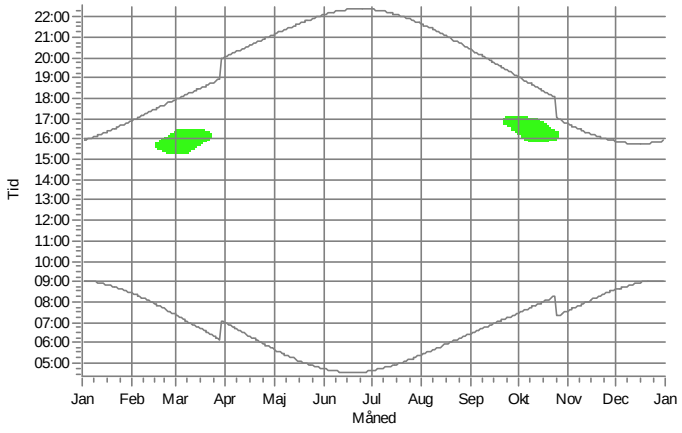
L14: Friskolebakke 24, Frøslev, 7900 Nykøbing M



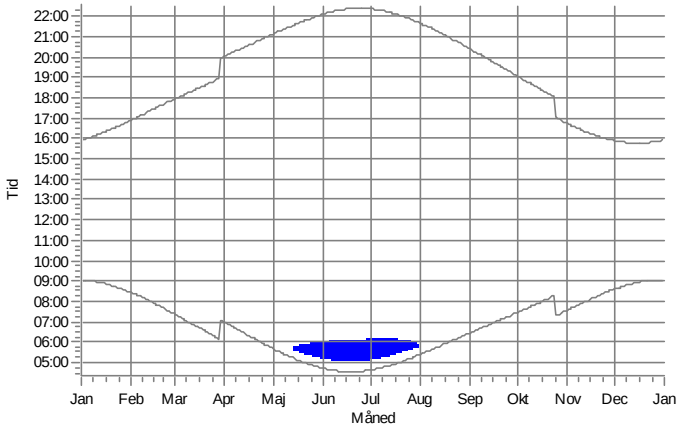
L15: Øksendal 12, Frøslev, 7900 Nykøbing M



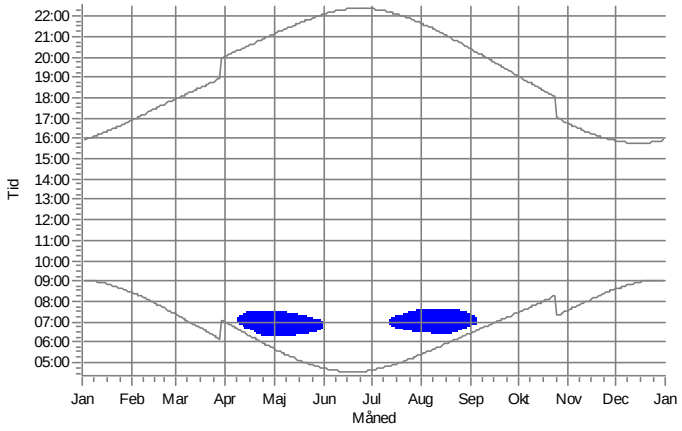
L16: Friskolebakke 26, Frøslev, 7900 Nykøbing M



L17: Frøslevkær 4, Frøslev, 7900 Nykøbing M



L18: Frøslevkær 6, Frøslev, 7900 Nykøbing M



Vindmøller

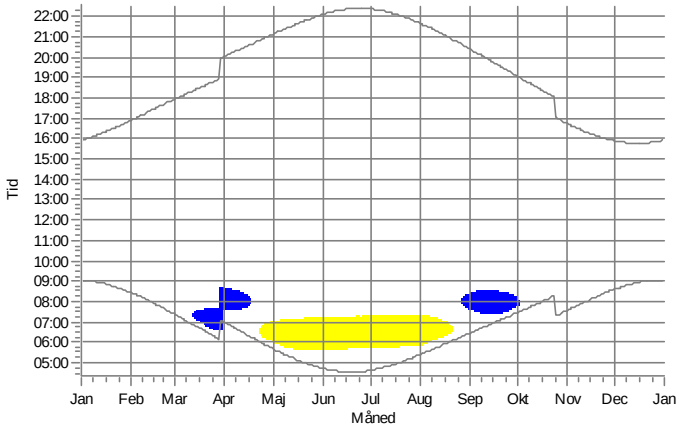
1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)
18: 570715000001488244: 11 kW THY MØLLE - Morsø
19: 570715000001496591: 10 kW Solid Wind Power - Morsø

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

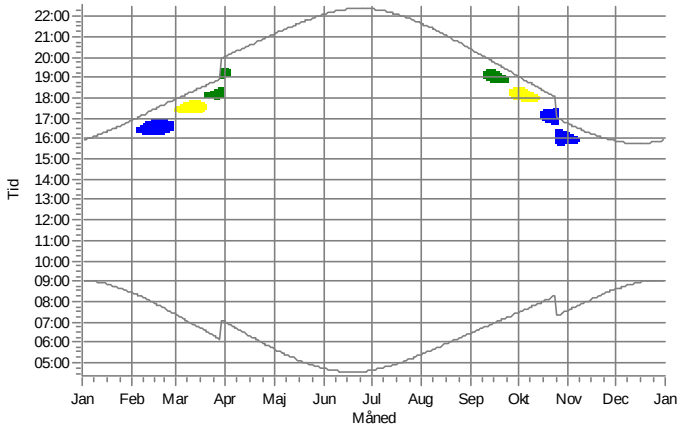
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

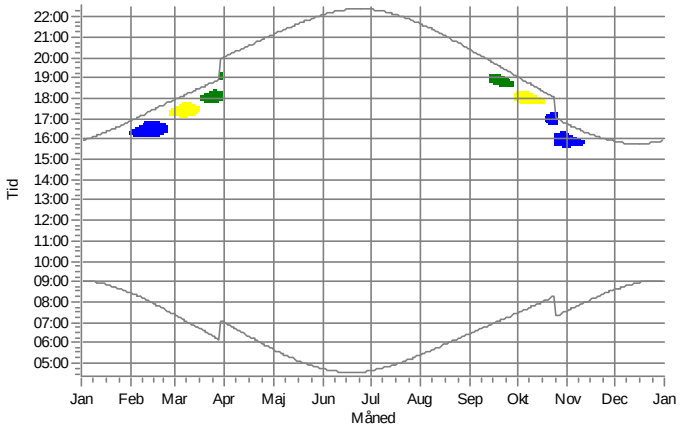
L19: Frøslevkær 8, Frøslev, 7900 Nykøbing M



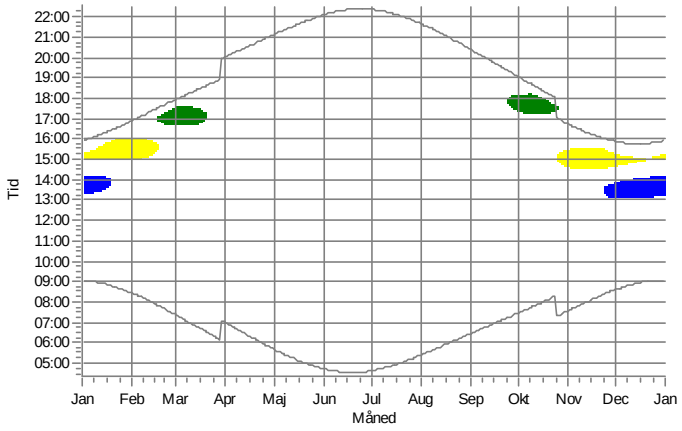
L20: Grønholm 2, 7950 Erslev



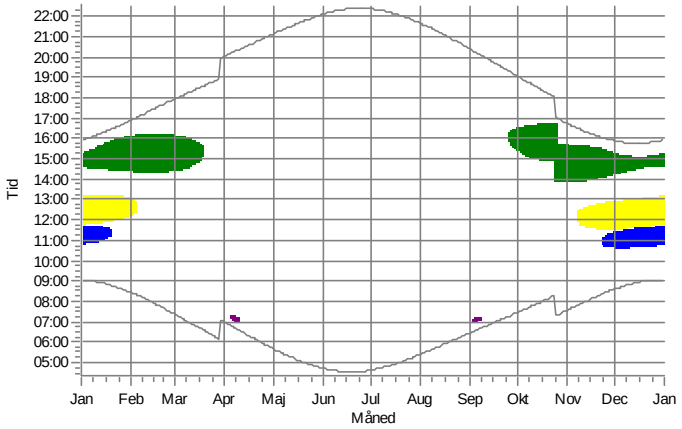
L21: Grønholm 7, 7950 Erslev



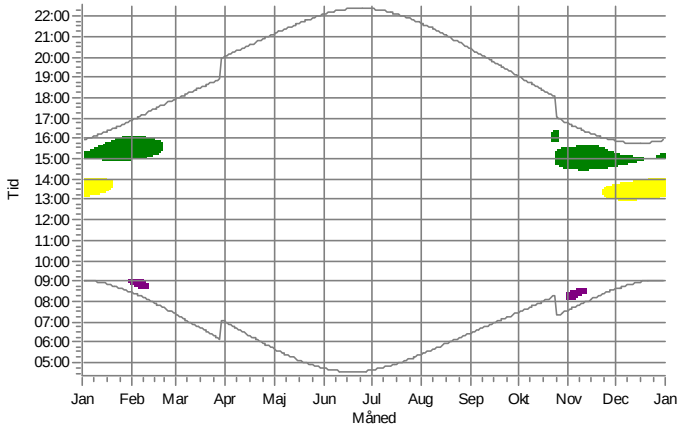
L22: Holme 2, 7950 Erslev



L23: Holme 3, 7950 Erslev



L24: Holme 4, 7950 Erslev



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)
11: 570715000001430823: 11 kW GAIA WIND - Morsø

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

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Niels Jernes Vej 10

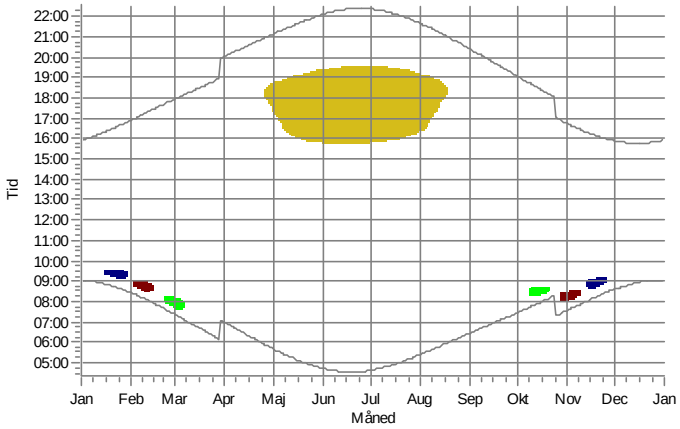
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Beregnet:
10/11/2026 11:55/4.3.262

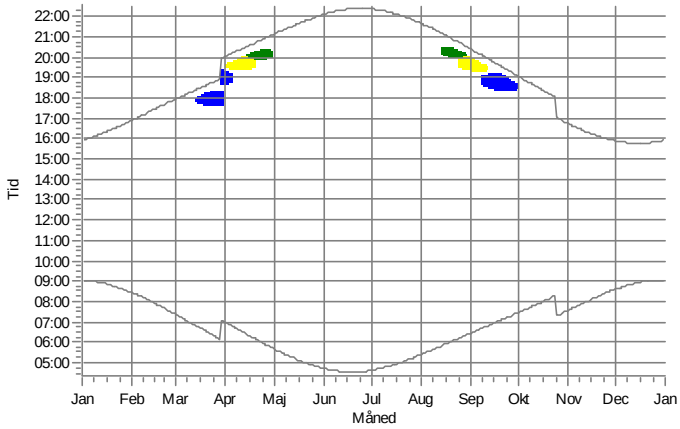
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

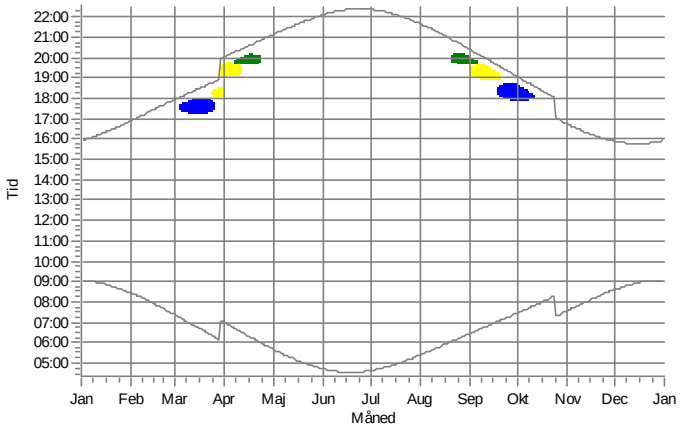
L25: Holmgårdsvej 9, Elsø, 7900 Nykøbing M



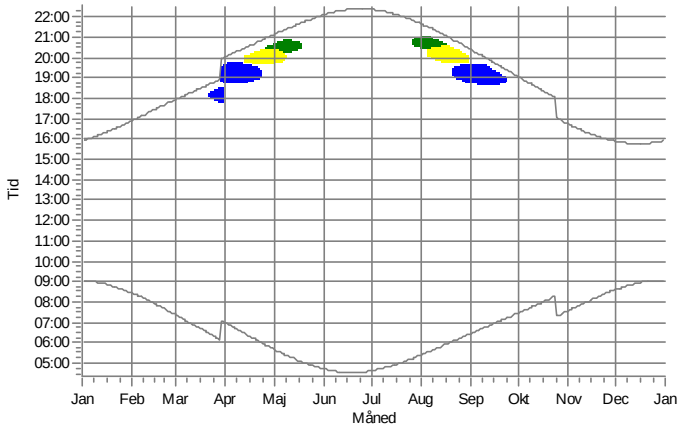
L26: Kildevej 10, Elsø, 7900 Nykøbing M



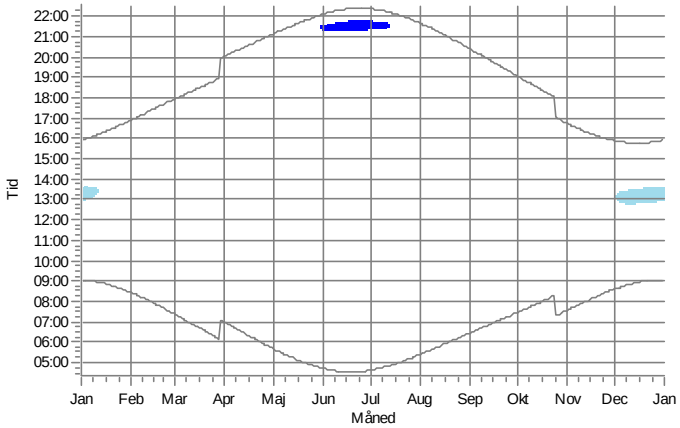
L27: Kildevej 12, Elsø, 7900 Nykøbing M



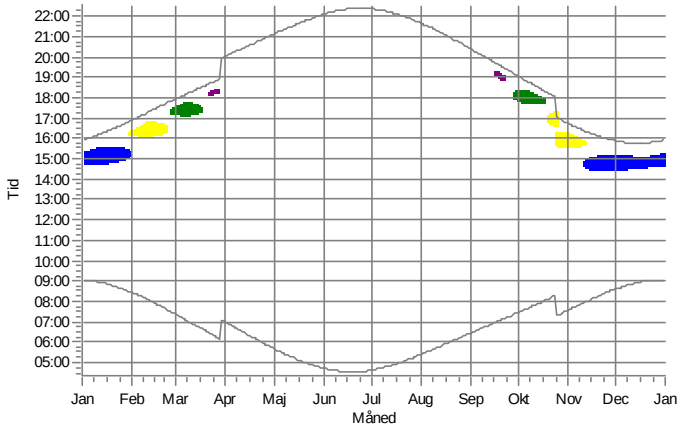
L28: Kildevej 14, Andrup, 7900 Nykøbing M



L29: Kildevej 16, Andrup, 7900 Nykøbing M



L30: Lyngbro 17, 7950 Erslev



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)
7: 570715000000056543: 850 kW VESTAS - Lødderup
8: 570715000000056550: 850 kW VESTAS - Lødderup
9: 570715000000056567: 850 kW VESTAS - Lødderup
11: 570715000001430823: 11 kW GAIA WIND - Morsø
30: 570715000001552143: 10 kW Solid Wind Power - Morsø
33: 570715000000028434: 500 kW VESTAS - Frøslev

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

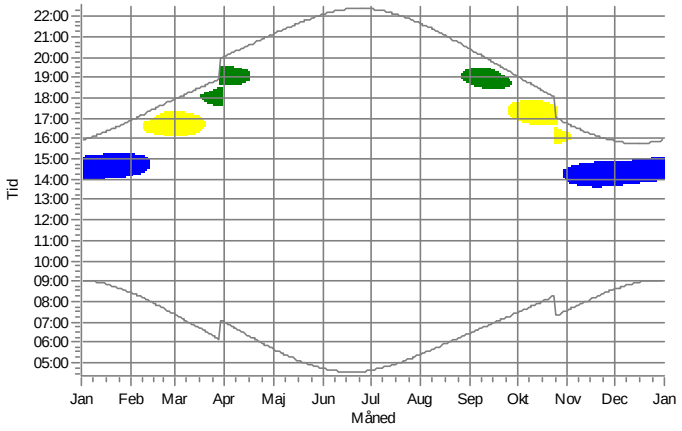
Brugerlicens:
EMD International A/S
Niels Jernes Vej 10

+45 6916 4850
Thomas Sørensen / ts@emd.dk
Beregnet:
10/11/2026 11:55/4.3.262

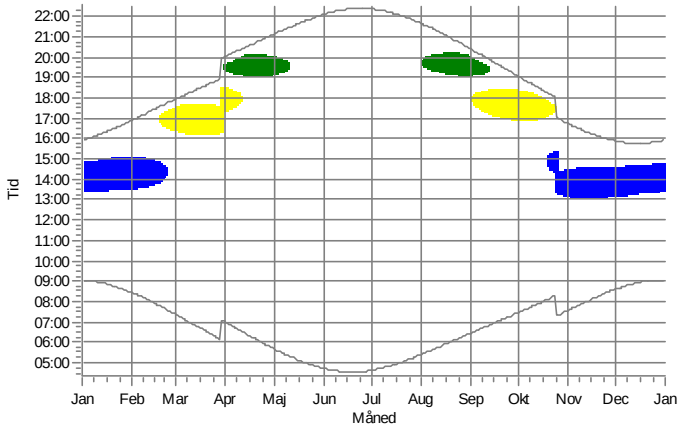
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

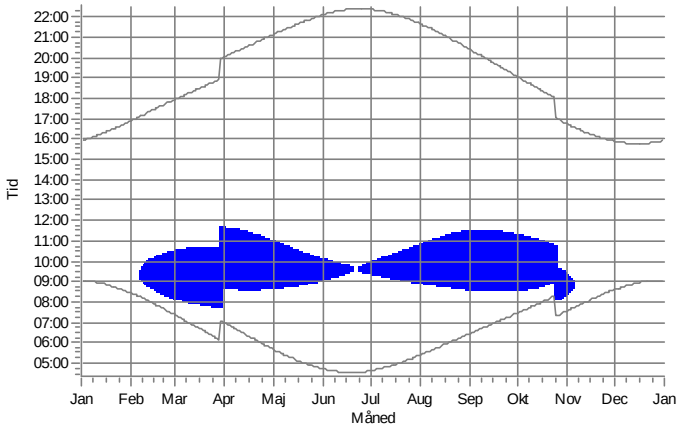
L31: Lyngbro 18, 7950 Erslev



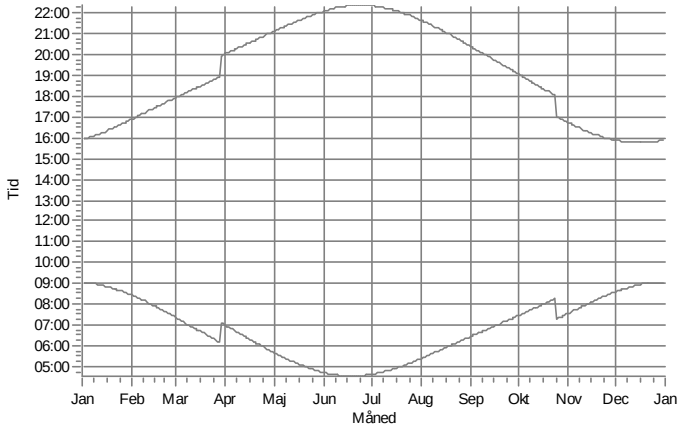
L32: Lyngbro 20, Frøslev, 7900 Nykøbing M



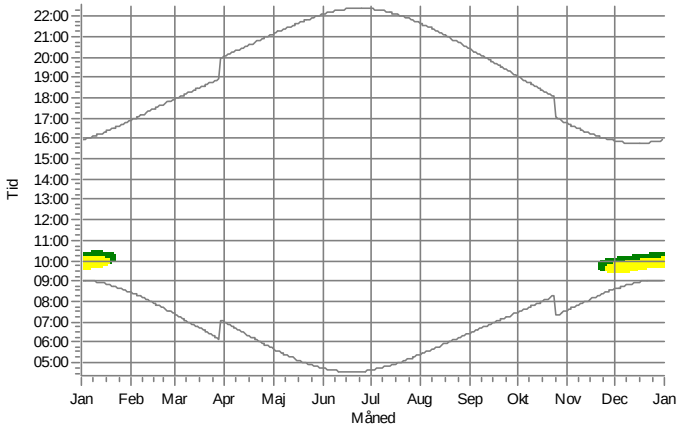
L33: Lyngbro 24, Frøslev, 7900 Nykøbing M



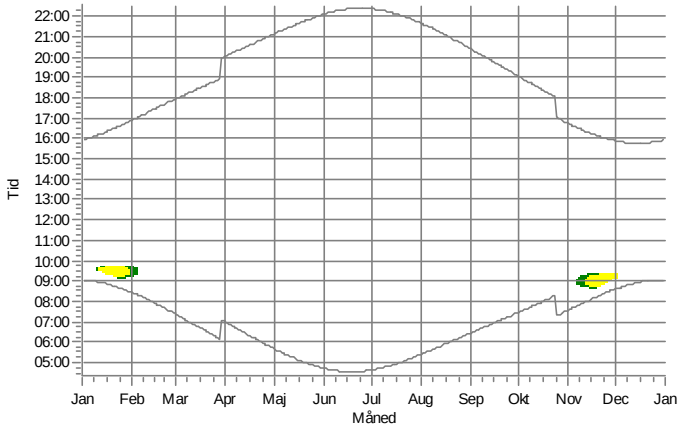
L34: Lyngbro 26, Frøslev, 7900 Nykøbing M



L35: Mølagre 12, 7950 Erslev



L36: Mølagre 14, 7950 Erslev



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)

2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)

3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

Brugerlicens:
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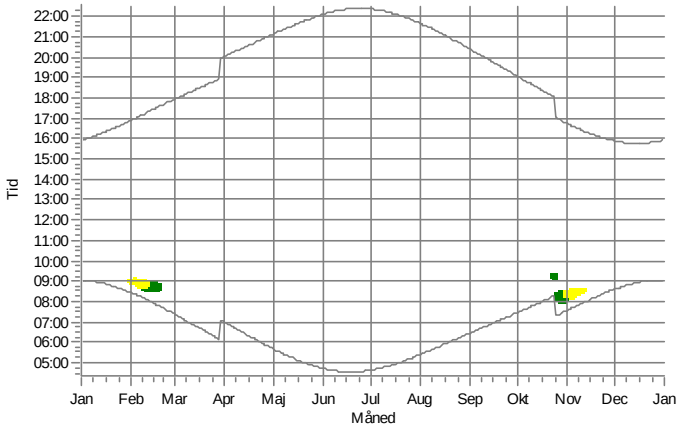
+45 6916 4850
Thomas Sørensen / ts@emd.dk

Beregnet:
10/11/2026 11:55/4.3.262

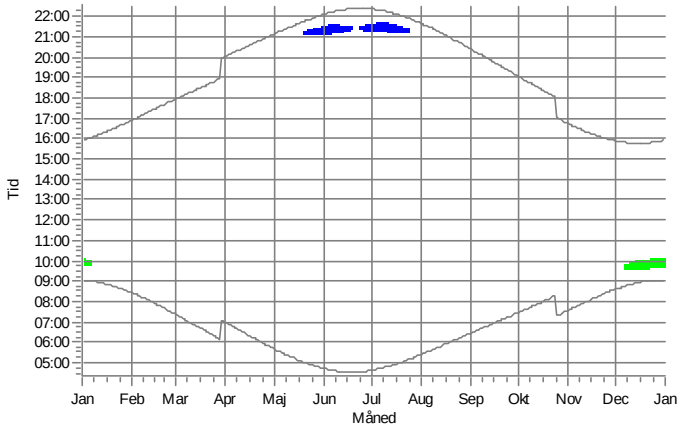
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

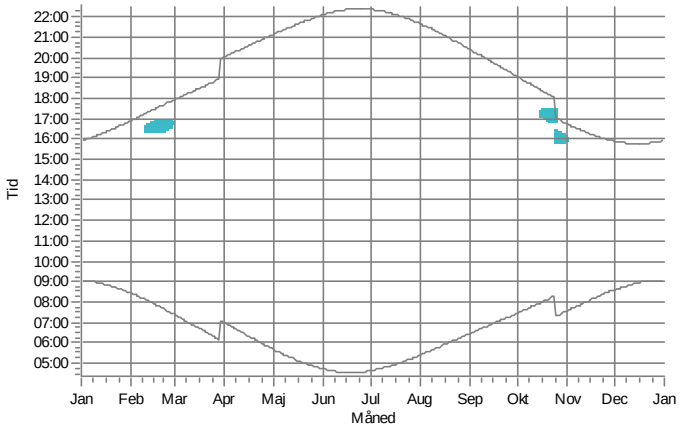
L37: Mølagre 18, 7950 Erslev



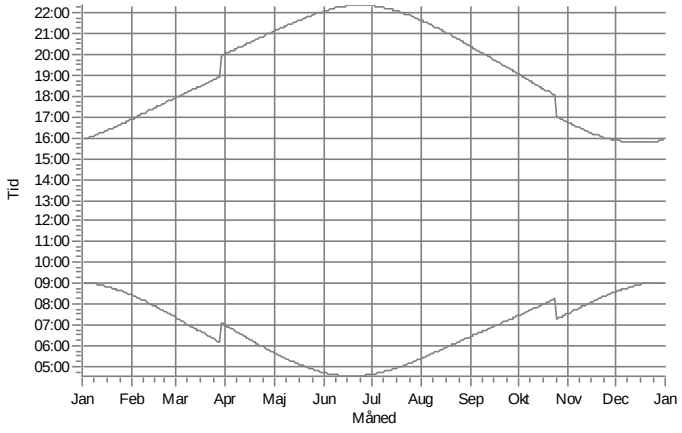
L38: Thorshøjvej 4, Elsø, 7900 Nykøbing M



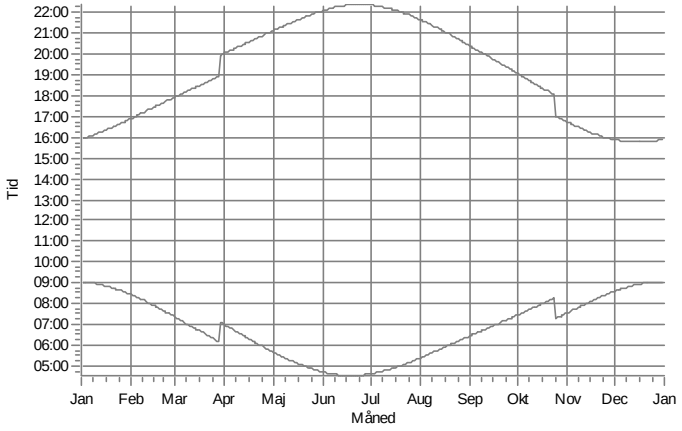
L40: Øksendal 9, Lødderup, 7900 Nykøbing M



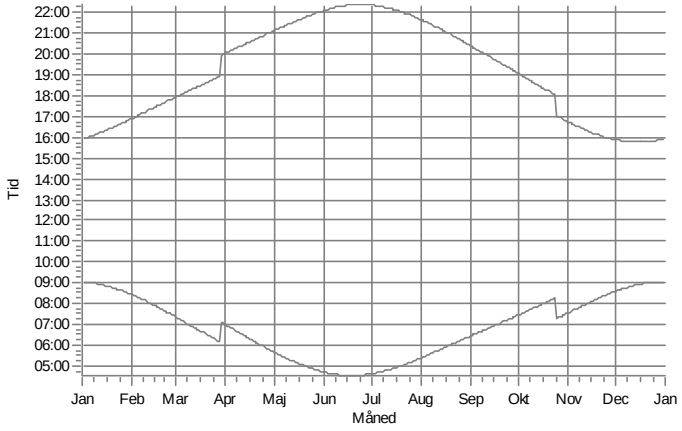
L41: Øksendal 10, Frøslev, 7900 Nykøbing M



L42: Øksendal 11, Frøslev, 7900 Nykøbing M



L43: Østervang 32, Frøslev, 7900 Nykøbing M



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)
9: 570715000000056567: 850 kW VESTAS - Lødderup
19: 570715000001496591: 10 kW Solid Wind Power - Morsø

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

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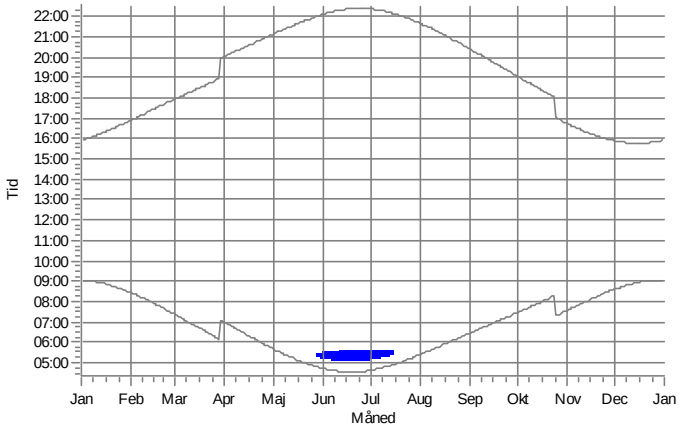
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Beregnet:
10/11/2026 11:55/4.3.262

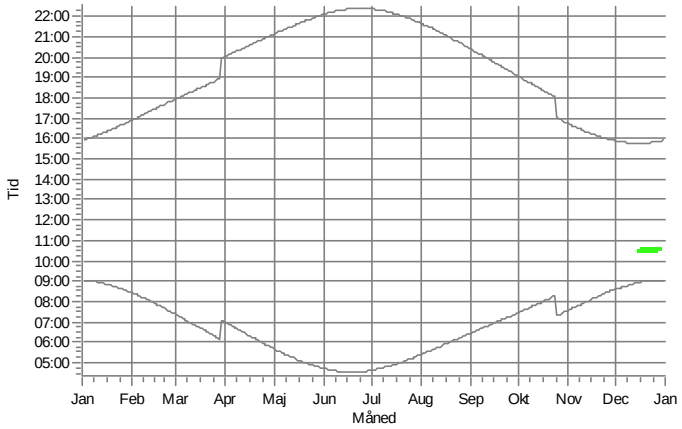
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

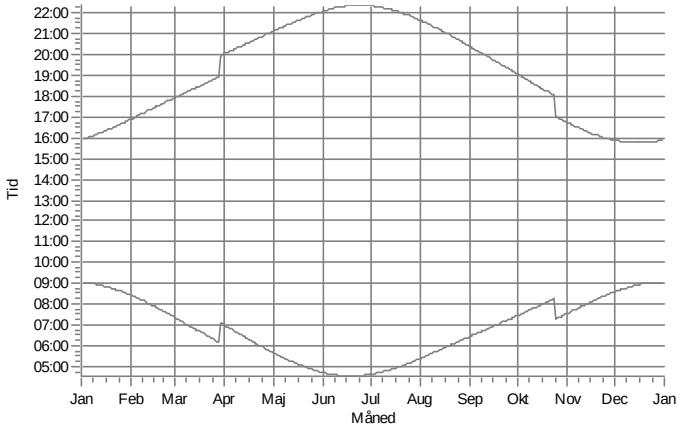
L44: Frøslevlund 18, Frøslev, 7900 Nykøbing M



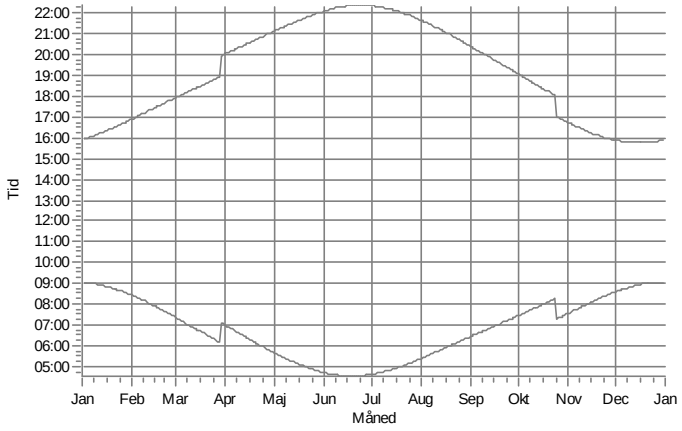
L45: Friskolebakke 18, Frøslev, 7900 Nykøbing M



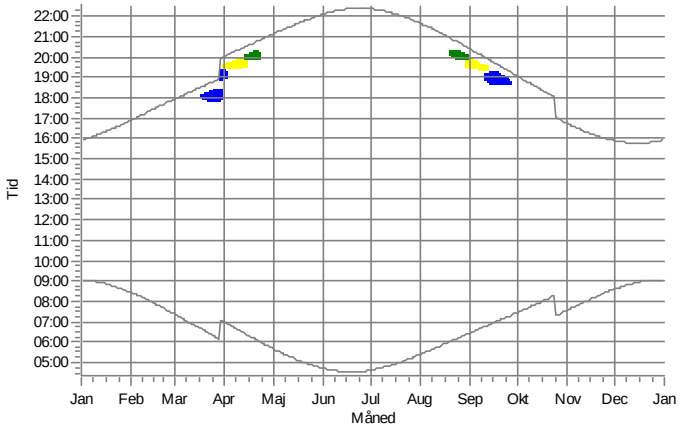
L46: Friskolebakke 16A, Frøslev, 7900 Nykøbing M



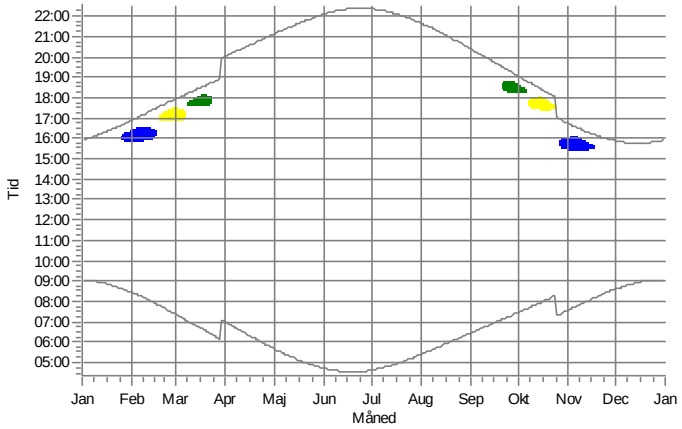
L47: Friskolebakke 16, Frøslev, 7900 Nykøbing M



L48: Kildevej 6, Elsø, 7900 Nykøbing M



L49: Grønholm 5, Erslev, 7950 Erslev



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)
18: 570715000001488244: 11 kW THY MØLLE - Morsø

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

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Niels Jernes Vej 10

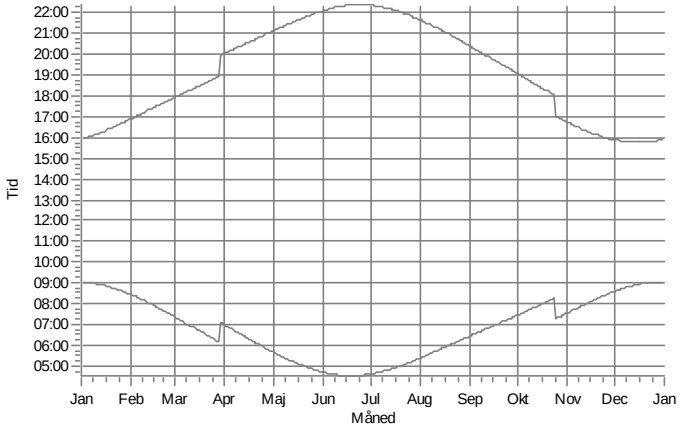
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Beregnet:
10/11/2026 11:55/4.3.262

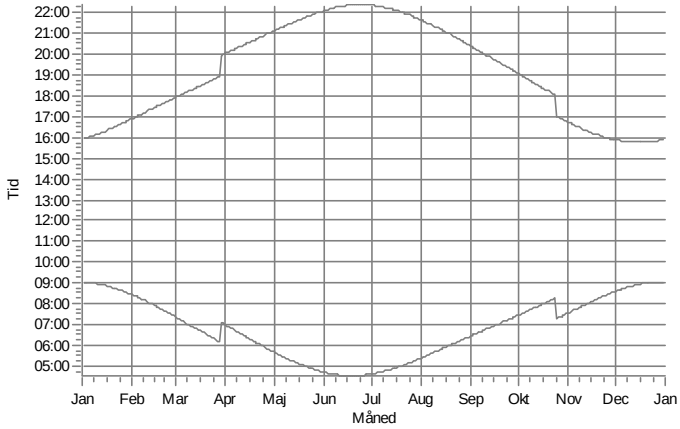
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, inkl eksisterende møller

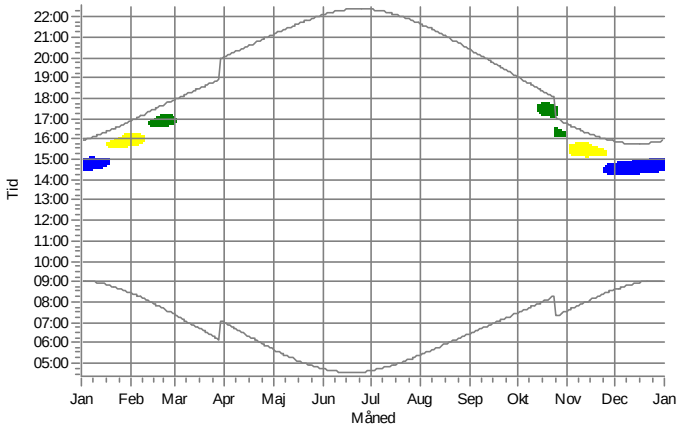
L50: Frederik Kroghs Mark 19, Erslev, 7950 Erslev



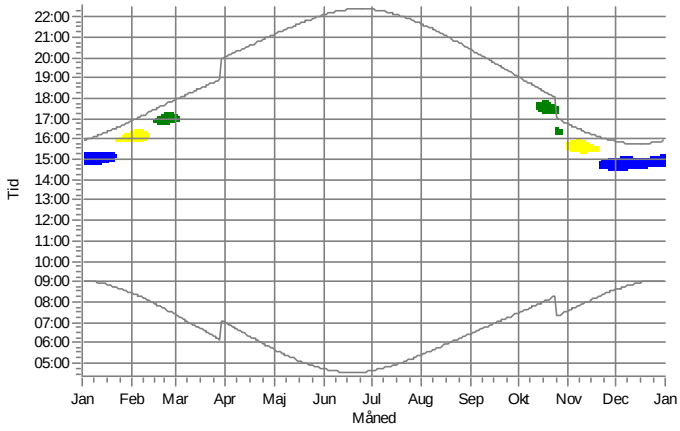
L51: Mølagre 3, Erslev, 7950 Erslev - ikke beboet



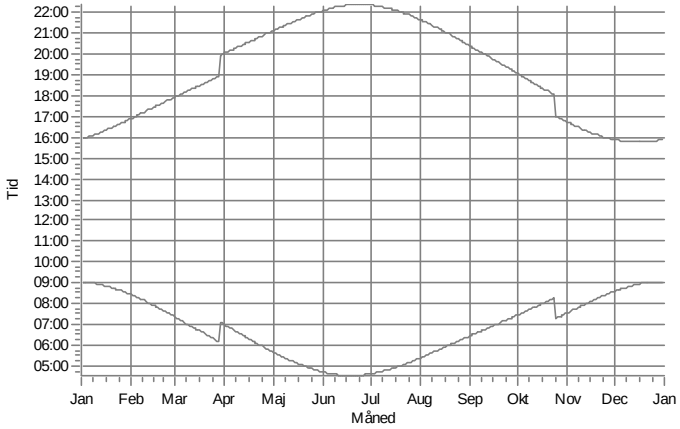
L52: Lyngbro 12, Erslev, 7950 Erslev



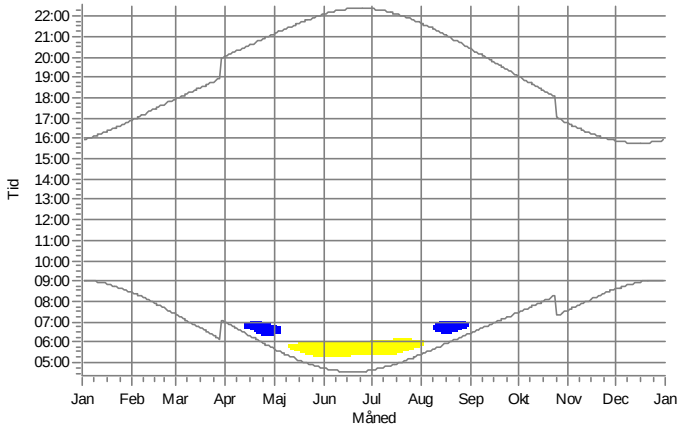
L53: Lyngbro 10, Erslev, 7950 Erslev



L55: Elsøvej 164, Frøslev, 7900 Nykøbing M



L56: Majgårdsvej 11, Frøslev, 7900 Nykøbing M



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)

2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)

3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

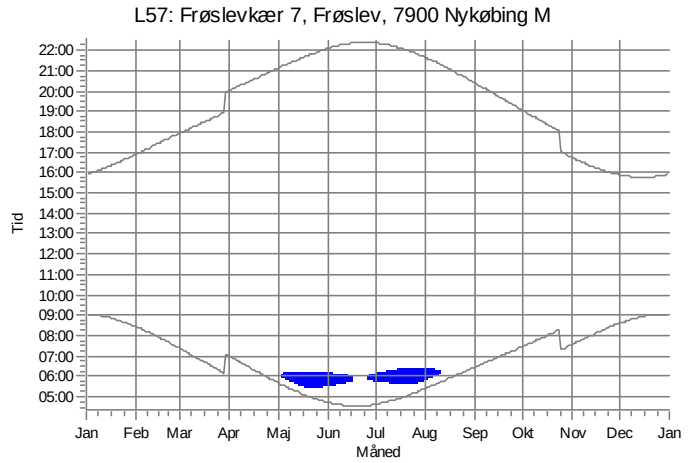
Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

Brugerlicens:
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Beregnet:
10/11/2026 11:55/4.3.262

SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, inkl eksisterende møller



Vindmøller

3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

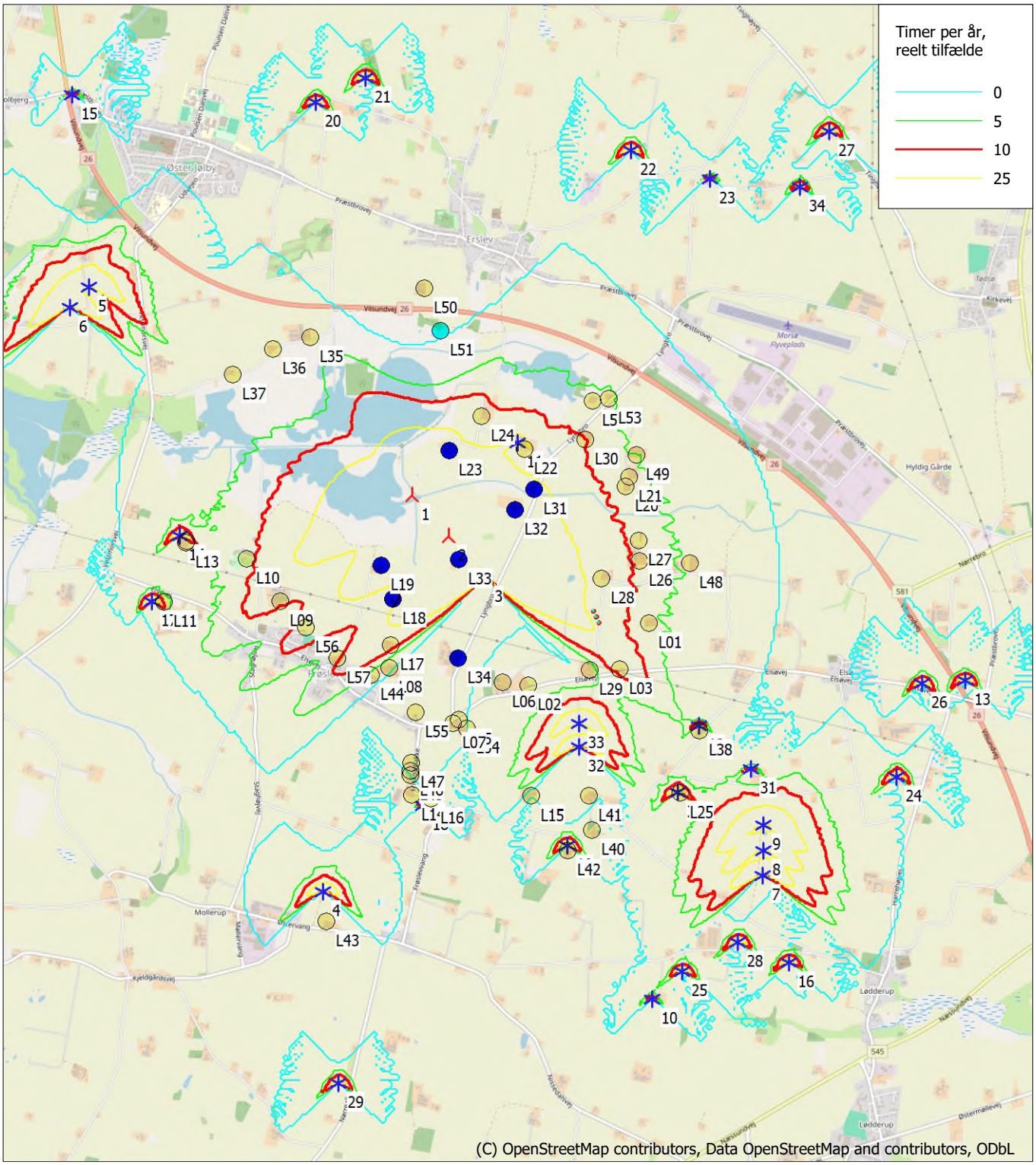
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Beregnet:
10/11/2026 11:55/4.3.262

SHADOW - Kort

Beregning: La1 udendørs skyggekast, inkl eksisterende møller



Kort: EMD OpenStreetMap , Udskriftsmålestok 1:40,000, Kortcentrum UTM (north)-ETRS89 Zone: 32 Øst: 485,060 Nord: 6,296,120

Ny vindmølle Eksisterende vindmø Skyggemodtager

Skygge kort niveau: Højdekonturer: Danish_Elevation_Model_DTM_5.0m_Grid_Terrain_40km_x_40km_5mSep.wpo (1)

Tidsskridt: 3 minutter, Dagskridt: 7 dage, Kortopløsning: 20 m, Synlighedsberegning: 10 m, Betragterhøjde: 1.5 m

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Beregnet:
10/11/2026 10:56/4.3.262

SHADOW - Hovedresultat

Beregning: La1 udendørs skyggekast, kun nye møller

Forudsætninger for skyggeberegning

Maksimal afstand for påvirkning
Medtag kun hvis mere end 20 % af solen er dækket af vingen
Se venligst vindmølletabellen

Minimum solhøjde over horisont med indflydelse	3 °
Dagstep for beregning	1 dage
Tidsskridt til beregning	1 minutter

Solskinssandsynlighed S (Gennemsnitligt antal solskinstimer om dagen) []

Jan	Feb	Mar	Apr	Maj	Jun	Jul	Aug	Sep	Okt	Nov	Dec
1.61	2.18	4.71	7.03	7.65	8.00	7.81	6.03	5.03	3.29	1.73	1.42

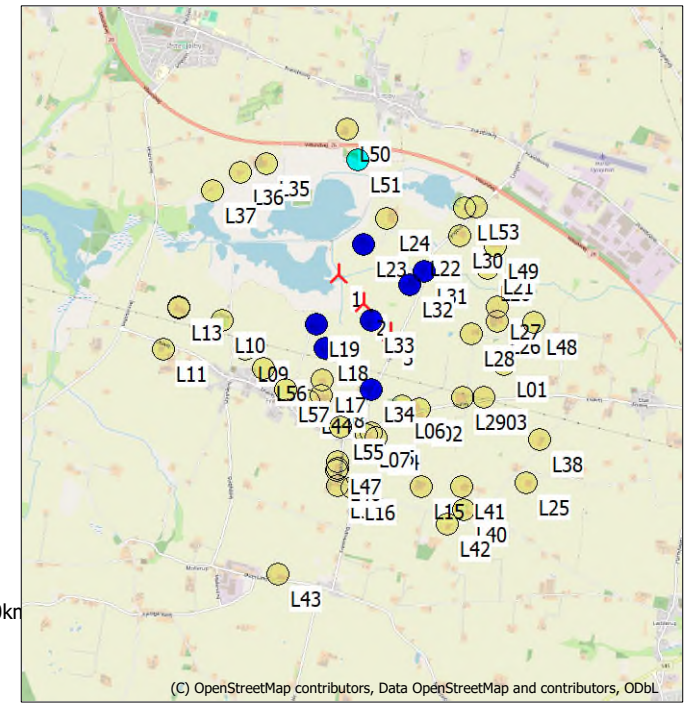
Driftstimer beregnes fra de valgte vindmøller med følgende vindfordeling:
EMD-WRF Europe+ (ERA5)_N56.815502_E008.738464 (14)

Driftstid

N	NNØ	ØNØ	Ø	ØSØ	SSØ	S	SSV	VSV	V	VNV	NNV	Sum
242	315	599	611	672	548	715	848	1,177	1,372	1,071	378	8,549

Monthly aggregation of real case reduction
Tomgang start vindhastighed: Opstartsvindhastighed fra effektkurve
For at undgå skyggekast fra ikke synlig vindmøller laves der en ZVI beregning før skyggekastberegningen. ZVI beregningen baseres på følgende forudsætninger
DHM: Højdekonturer: Danish_Elevation_Model_DTM_5.0m_Grid_Terrain_40km
Modtager netopløsning: 1.0 m
Bakke skygge er indregnet

Alle koordinater er i
UTM (north)-ETRS89 Zone: 32



Skala 1:75,000
Ny vindmølle
Skyggemodtager

Vindmøller

	Øst	Nord	Z	Række data/Beskrivelse	Vindmølletype Gyldig	Fabrikant	Type-generator	Effekt, nominel	Rotordiameter	Skyggedata Navhøjde	Beregningsafstand	Omdr
			[m]					[kW]	[m]	[m]	[m]	[Omdr]
1	484,319	6,296,712	5.0	VESTAS V162-6.2 6200 ...	Ja	VESTAS	V162-6.2-6,200	6,200	162.0	99.0	2,042	-
2	484,575	6,296,426	5.0	VESTAS V162-6.2 6200 ...	Ja	VESTAS	V162-6.2-6,200	6,200	162.0	99.0	2,042	-
3	484,830	6,296,140	9.2	VESTAS V162-6.2 6200 ...	Ja	VESTAS	V162-6.2-6,200	6,200	162.0	99.0	2,042	-

Skyggemodtager-Inddata

Antal	Navn	Øst	Nord	Z	Bredde	Højde	Højde højde over terræn	Vinduets hældning	Retningsmetode	Øjenhøjde for ZVI
				[m]	[m]	[m]	[m]	[°]		[m]
L01	Elsøvej 154, Elsø, 7900 Nykøbing M	485,969	6,295,815	25.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L02	Elsøvej 155, Frøslev, 7900 Nykøbing M	485,128	6,295,384	19.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L03	Elsøvej 156, Elsø, 7900 Nykøbing M	485,765	6,295,498	20.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L04	Elsøvej 157, Frøslev, 7900 Nykøbing M	484,695	6,295,087	15.4	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L05	Elsøvej 159, Frøslev, 7900 Nykøbing M	484,641	6,295,149	15.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L06	Elsøvej 160, Frøslev, 7900 Nykøbing M	484,946	6,295,402	17.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L07	Elsøvej 161, Frøslev, 7900 Nykøbing M	484,599	6,295,122	15.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L08	Elsøvej 178, Frøslev, 7900 Nykøbing M	484,154	6,295,511	15.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L09	Elsøvej 260, Frøslev, 7900 Nykøbing M	483,397	6,295,973	15.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L10	Elsøvej 262, Frøslev, 7900 Nykøbing M	483,165	6,296,272	5.5	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L11	Elsøvej 277, Frøslev, 7900 Nykøbing M	482,585	6,295,976	15.8	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L12	Elsøvej 284, Frøslev, 7900 Nykøbing M	482,743	6,296,394	10.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L13	Elsøvej 286, Frøslev, 7900 Nykøbing M	482,737	6,296,385	10.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L14	Friskolebakke 24, Frøslev, 7900 Nykøbing M	484,308	6,294,620	30.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L15	Øksendal 12, Frøslev, 7900 Nykøbing M	485,144	6,294,613	30.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L16	Friskolebakke 26, Frøslev, 7900 Nykøbing M	484,448	6,294,598	30.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L17	Frøslevkær 4, Frøslev, 7900 Nykøbing M	484,167	6,295,670	15.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L18	Frøslevkær 6, Frøslev, 7900 Nykøbing M	484,186	6,295,987	8.4	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L19	Frøslevkær 8, Frøslev, 7900 Nykøbing M	484,103	6,296,224	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L20	Grønholm 2, 7950 Erslev	485,813	6,296,767	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L21	Grønholm 7, 7950 Erslev	485,836	6,296,832	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0

Fortsættes næste side...

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Beregnet:
10/11/2026 10:56/4.3.262

SHADOW - Hovedresultat

Beregning: La1 udendørs skyggekast, kun nye møller

...fortsat fra sidste side

Antal	Navn	Øst	Nord	Z	Bredde	Højde	Højde højde over terræn	Vinduets hældning	Retningsmetode	Øjenhøjde for ZVI
				[m]	[m]	[m]	[m]	[°]		[m]
L22	Holme 2, 7950 Erslev	485,105	6,297,029	9.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L23	Holme 3, 7950 Erslev	484,579	6,297,020	6.9	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L24	Holme 4, 7950 Erslev	484,810	6,297,264	10.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L25	Holmgårdsvej 9, Elsø, 7900 Nykøbing M	486,186	6,294,632	29.8	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L26	Kildevej 10, Elsø, 7900 Nykøbing M	485,904	6,296,250	6.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L27	Kildevej 12, Elsø, 7900 Nykøbing M	485,902	6,296,389	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L28	Kildevej 14, Andrup, 7900 Nykøbing M	485,642	6,296,128	10.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L29	Kildevej 16, Andrup, 7900 Nykøbing M	485,554	6,295,494	20.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L30	Lyngbro 17, 7950 Erslev	485,530	6,297,097	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L31	Lyngbro 18, 7950 Erslev	485,175	6,296,748	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L32	Lyngbro 20, Frøslev, 7900 Nykøbing M	485,040	6,296,605	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L33	Lyngbro 24, Frøslev, 7900 Nykøbing M	484,644	6,296,261	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L34	Lyngbro 26, Frøslev, 7900 Nykøbing M	484,641	6,295,571	15.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L35	Mølagre 12, 7950 Erslev	483,615	6,297,816	5.6	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L36	Mølagre 14, 7950 Erslev	483,351	6,297,732	5.5	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L37	Mølagre 18, 7950 Erslev	483,077	6,297,556	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L38	Thorshøjvej 4, Elsø, 7900 Nykøbing M	486,320	6,295,066	27.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L40	Øksendal 9, Lødderup, 7900 Nykøbing M	485,567	6,294,378	25.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L41	Øksendal 10, Frøslev, 7900 Nykøbing M	485,546	6,294,611	30.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L42	Øksendal 11, Frøslev, 7900 Nykøbing M	485,399	6,294,235	29.2	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L43	Østervang 32, Frøslev, 7900 Nykøbing M	483,710	6,293,747	32.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L44	Frøslevlund 18, Frøslev, 7900 Nykøbing M	484,030	6,295,461	12.9	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L45	Friskolebakke 18, Frøslev, 7900 Nykøbing M	484,299	6,294,766	27.3	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L46	Friskolebakke 16A, Frøslev, 7900 Nykøbing M	484,302	6,294,793	26.5	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L47	Friskolebakke 16, Frøslev, 7900 Nykøbing M	484,306	6,294,847	25.1	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L48	Kildevej 6, Elsø, 7900 Nykøbing M	486,257	6,296,232	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L49	Grønholm 5, Erslev, 7950 Erslev	485,887	6,296,987	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L50	Frederik Kroghs Mark 19, Erslev, 7950 Erslev	484,412	6,298,153	11.7	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L51	Mølagre 3, Erslev, 7950 Erslev - ikke beboet	484,519	6,297,857	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L52	Lyngbro 12, Erslev, 7950 Erslev	485,583	6,297,365	5.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L53	Lyngbro 10, Erslev, 7950 Erslev	485,695	6,297,376	5.4	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L55	Elsøvej 164, Frøslev, 7900 Nykøbing M	484,338	6,295,195	15.4	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L56	Majgårdsvej 11, Frøslev, 7900 Nykøbing M	483,576	6,295,790	15.0	15.0	15.0	1.0	0.0	Drivhustilstand	1.0
L57	Frøslevkær 7, Frøslev, 7900 Nykøbing M	483,795	6,295,578	13.2	15.0	15.0	1.0	0.0	Drivhustilstand	1.0

Beregningsresultater

Skyggemodtager

Antal	Navn	**Skygge, worst case** Skyggetimer pr. år	Skyggedage pr. år	Maks. skygge-timer pr dag	**Skygge, forventede værdier** Skyggetimer pr. år
		[h/år]	[dage/år]	[h/dag]	[h/år]
L01	Elsøvej 154, Elsø, 7900 Nykøbing M	26:16	73	0:35	7:23
L02	Elsøvej 155, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L03	Elsøvej 156, Elsø, 7900 Nykøbing M	38:28	77	0:43	10:27
L04	Elsøvej 157, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L05	Elsøvej 159, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L06	Elsøvej 160, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L07	Elsøvej 161, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L08	Elsøvej 178, Frøslev, 7900 Nykøbing M	4:31	32	0:12	1:22
L09	Elsøvej 260, Frøslev, 7900 Nykøbing M	40:41	133	0:31	12:36
L10	Elsøvej 262, Frøslev, 7900 Nykøbing M	33:09	108	0:34	10:00
L11	Elsøvej 277, Frøslev, 7900 Nykøbing M	6:42	43	0:17	2:03
L12	Elsøvej 284, Frøslev, 7900 Nykøbing M	10:13	50	0:22	3:05
L13	Elsøvej 286, Frøslev, 7900 Nykøbing M	9:59	49	0:21	3:01
L14	Friskolebakke 24, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L15	Øksendal 12, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L16	Friskolebakke 26, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L17	Frøslevkær 4, Frøslev, 7900 Nykøbing M	46:13	76	0:53	14:39
L18	Frøslevkær 6, Frøslev, 7900 Nykøbing M	78:16	105	1:02	24:14
L19	Frøslevkær 8, Frøslev, 7900 Nykøbing M	188:00	190	1:24	58:09
L20	Grønholm 2, 7950 Erslev	36:30	110	0:36	8:16

Fortsættes næste side...

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SHADOW - Hovedresultat

Beregning: La1 udendørs skyggekast, kun nye møller

...fortsat fra sidste side

Antal	Navn	Skygge, worst case: Skyggetimer pr. år [h/år]	Skyggedage pr. år [dage/år]	Maks. skygge-timer pr dag [h/dag]	Skygge, forventede værdier: Skyggetimer pr. år [h/år]
L21	Grønholm 7, 7950 Erslev	33:55	106	0:34	7:28
L22	Holme 2, 7950 Erslev	121:08	173	0:58	19:52
L23	Holme 3, 7950 Erslev	333:18	173	2:38	50:09
L24	Holme 4, 7950 Erslev	102:24	120	1:03	14:12
L25	Holmgårdsvej 9, Elsø, 7900 Nykøbing M	0:00	0	0:00	0:00
L26	Kildevej 10, Elsø, 7900 Nykøbing M	35:07	95	0:37	10:03
L27	Kildevej 12, Elsø, 7900 Nykøbing M	34:42	99	0:36	9:42
L28	Kildevej 14, Andrup, 7900 Nykøbing M	67:50	113	0:51	19:43
L29	Kildevej 16, Andrup, 7900 Nykøbing M	9:27	43	0:19	2:26
L30	Lyngbro 17, 7950 Erslev	66:51	162	0:37	11:14
L31	Lyngbro 18, 7950 Erslev	181:12	230	1:02	34:22
L32	Lyngbro 20, Frøslev, 7900 Nykøbing M	306:46	280	1:24	62:55
L33	Lyngbro 24, Frøslev, 7900 Nykøbing M	504:29	267	2:51	123:24
L34	Lyngbro 26, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L35	Mølagre 12, 7950 Erslev	33:09	62	0:39	3:51
L36	Mølagre 14, 7950 Erslev	15:16	49	0:30	1:48
L37	Mølagre 18, 7950 Erslev	11:06	40	0:26	1:39
L38	Thorshøjvej 4, Elsø, 7900 Nykøbing M	10:13	59	0:17	2:46
L40	Øksendal 9, Lødderup, 7900 Nykøbing M	0:00	0	0:00	0:00
L41	Øksendal 10, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L42	Øksendal 11, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L43	Østervang 32, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L44	Frøslevlund 18, Frøslev, 7900 Nykøbing M	12:30	47	0:23	3:52
L45	Friskolebakke 18, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L46	Friskolebakke 16A, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L47	Friskolebakke 16, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L48	Kildevej 6, Elsø, 7900 Nykøbing M	17:31	74	0:26	5:00
L49	Grønholm 5, Erslev, 7950 Erslev	28:44	99	0:31	5:44
L50	Frederik Kroghs Mark 19, Erslev, 7950 Erslev	0:00	0	0:00	0:00
L51	Mølagre 3, Erslev, 7950 Erslev - ikke beboet	0:00	0	0:00	0:00
L52	Lyngbro 12, Erslev, 7950 Erslev	46:35	130	0:31	6:58
L53	Lyngbro 10, Erslev, 7950 Erslev	42:15	129	0:29	6:21
L55	Elsøvej 164, Frøslev, 7900 Nykøbing M	0:00	0	0:00	0:00
L56	Majgårdsvej 11, Frøslev, 7900 Nykøbing M	49:46	123	0:36	15:46
L57	Frøslevkær 7, Frøslev, 7900 Nykøbing M	31:52	87	0:36	10:14

Samlet skyggekast på skyggemodtagerne fra hver enkelt vindmølle

Antal	Navn	Værste scenarie [h/år]	Forventet [h/år]
1	VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)	451:03	96:11
2	VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)	601:32	136:23
3	VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)	1074:52	251:04

Total tid angivet i receptor- og vindmølle-tabel kan afvige idet en vindmølle kan forårsage skyggekast ved to eller flere receptorer på samme tid. På samme måde kan en receptor modtage skyggekast fra to eller flere vindmøller samtidigt.

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

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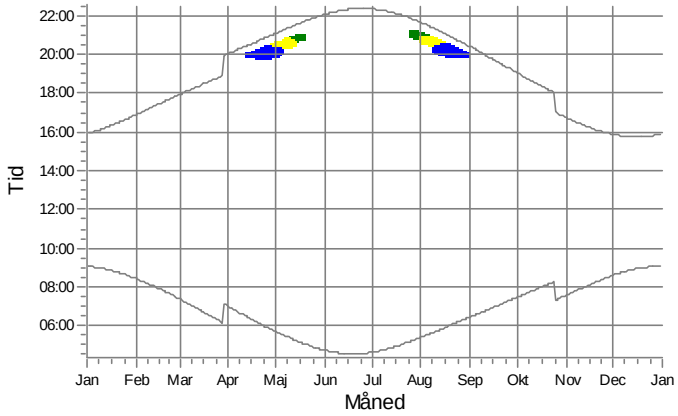
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Beregnet:
10/11/2026 10:56/4.3.262

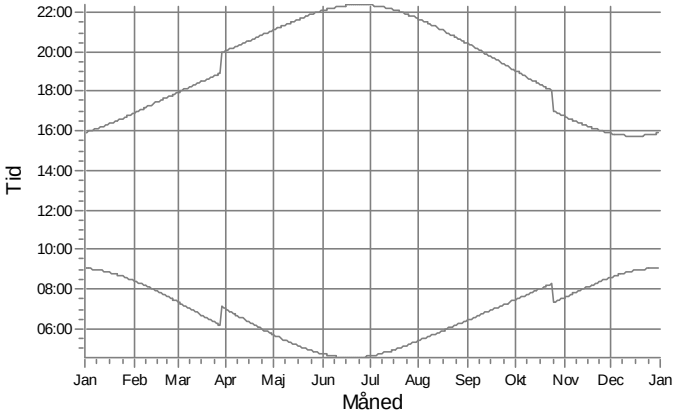
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, kun nye møller

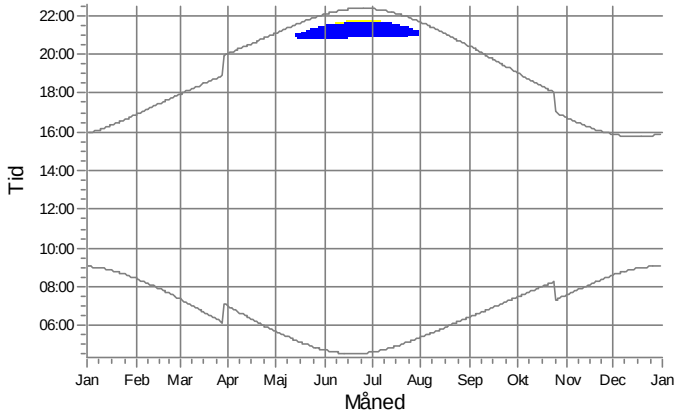
L01: Elsøvej 154, Elsø, 7900 Nykøbing M



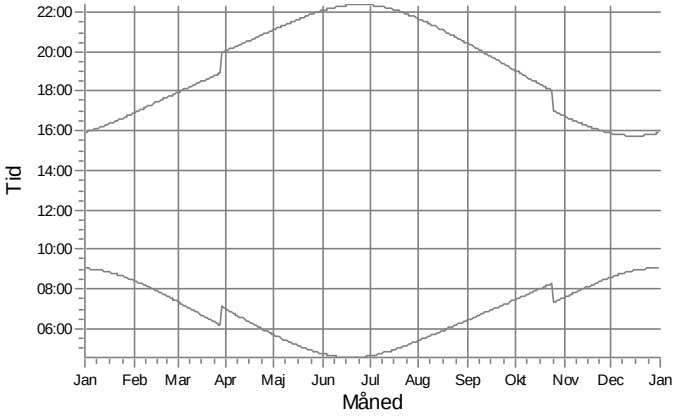
L02: Elsøvej 155, Frøslev, 7900 Nykøbing M



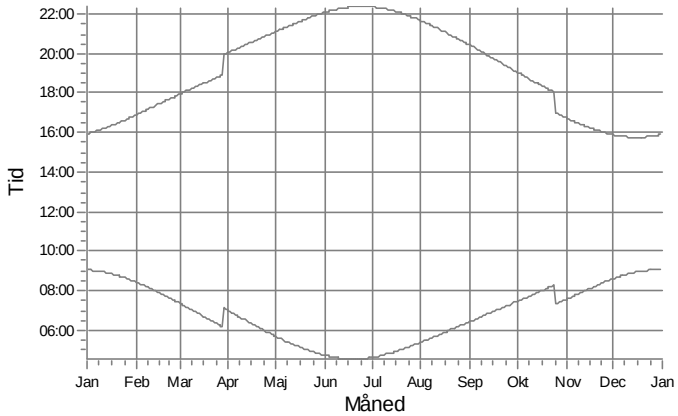
L03: Elsøvej 156, Elsø, 7900 Nykøbing M



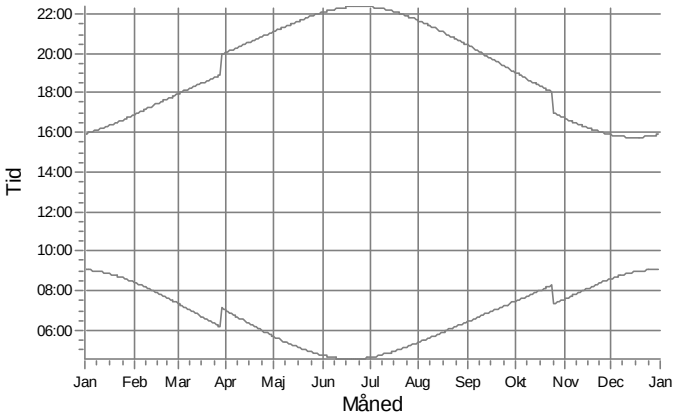
L04: Elsøvej 157, Frøslev, 7900 Nykøbing M



L05: Elsøvej 159, Frøslev, 7900 Nykøbing M



L06: Elsøvej 160, Frøslev, 7900 Nykøbing M



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

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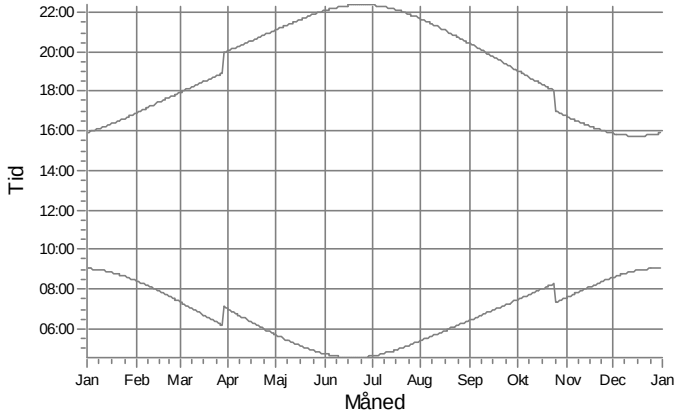
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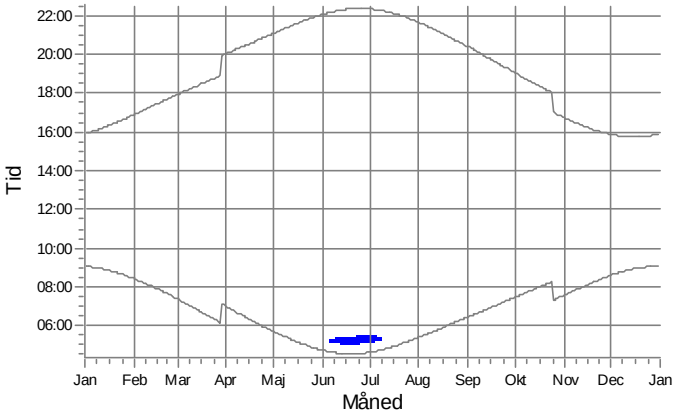
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, kun nye møller

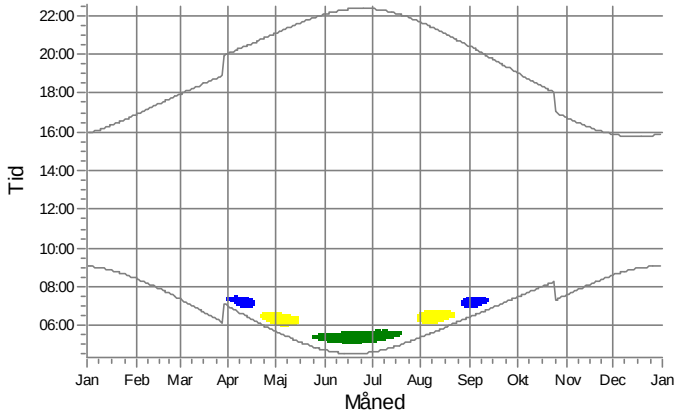
L07: Elsøvej 161, Frøslev, 7900 Nykøbing M



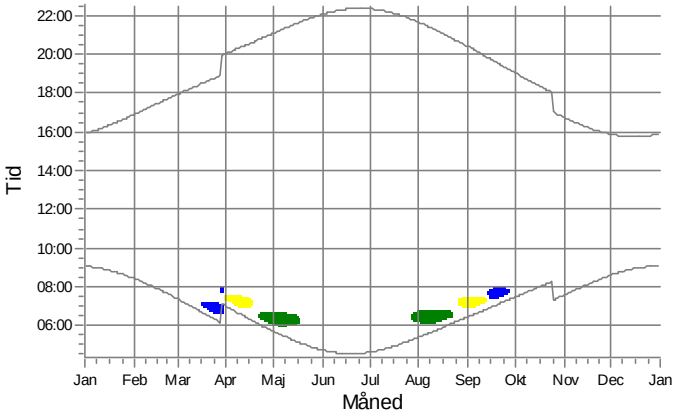
L08: Elsøvej 178, Frøslev, 7900 Nykøbing M



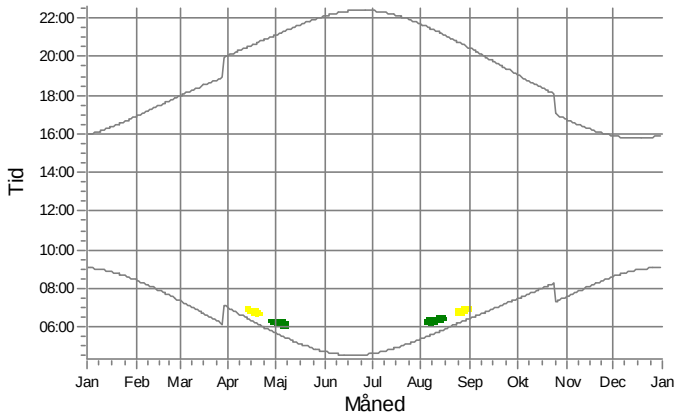
L09: Elsøvej 260, Frøslev, 7900 Nykøbing M



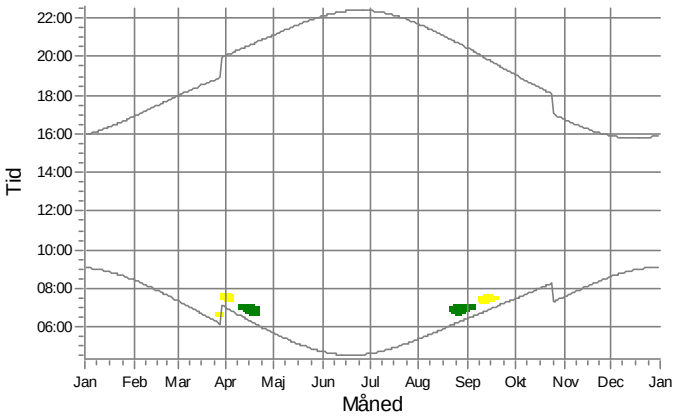
L10: Elsøvej 262, Frøslev, 7900 Nykøbing M



L11: Elsøvej 277, Frøslev, 7900 Nykøbing M



L12: Elsøvej 284, Frøslev, 7900 Nykøbing M



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

Brugerlicens:
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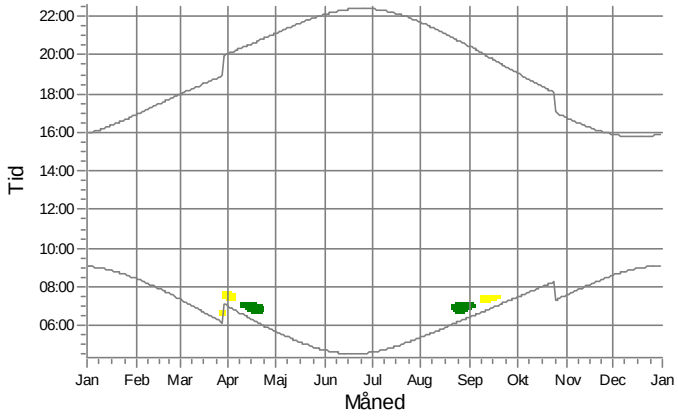
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10/11/2026 10:56/4.3.262

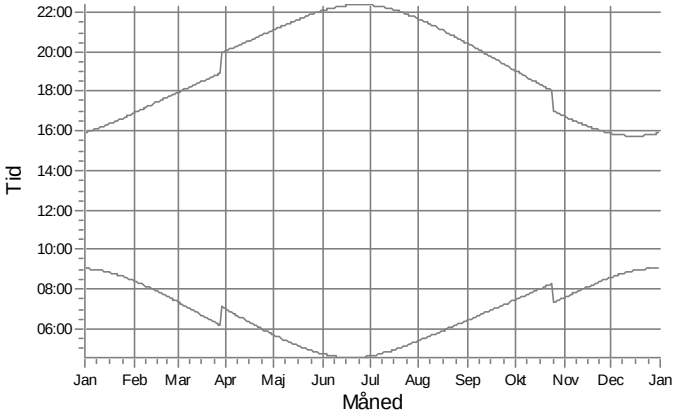
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, kun nye møller

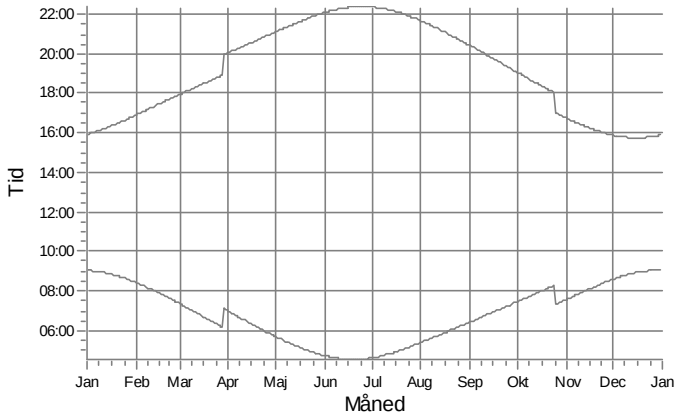
L13: Elsøvej 286, Frøslev, 7900 Nykøbing M



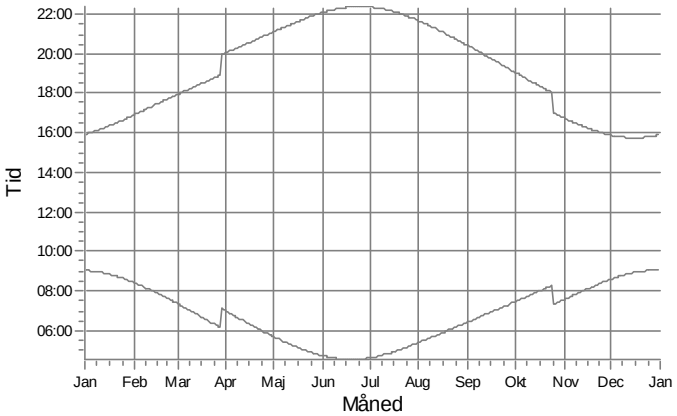
L14: Friskolebakke 24, Frøslev, 7900 Nykøbing M



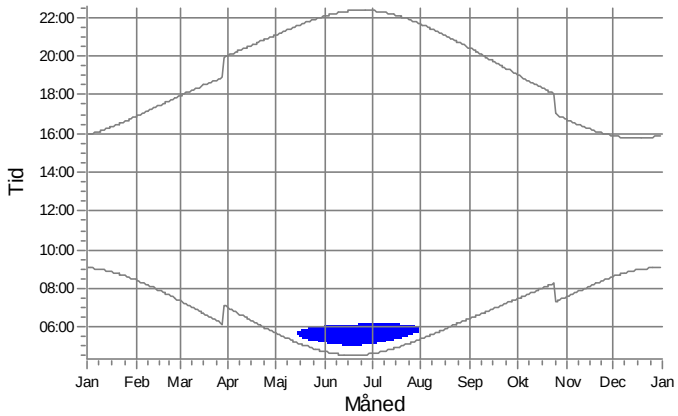
L15: Øksendal 12, Frøslev, 7900 Nykøbing M



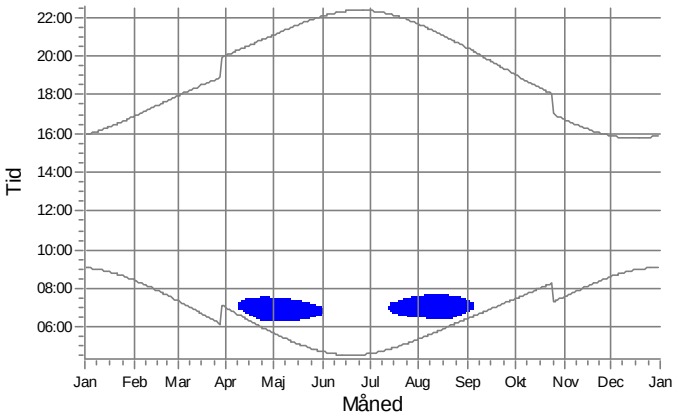
L16: Friskolebakke 26, Frøslev, 7900 Nykøbing M



L17: Frøslevkær 4, Frøslev, 7900 Nykøbing M



L18: Frøslevkær 6, Frøslev, 7900 Nykøbing M



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

Brugerlicens:
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Niels Jernes Vej 10

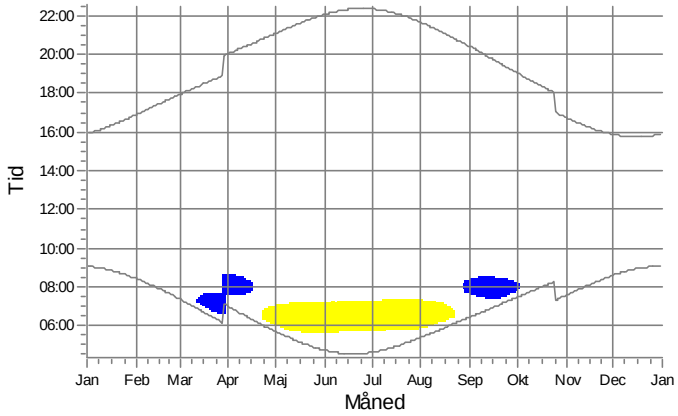
+45 6916 4850
Thomas Sørensen / ts@emd.dk

Beregnet:
10/11/2026 10:56/4.3.262

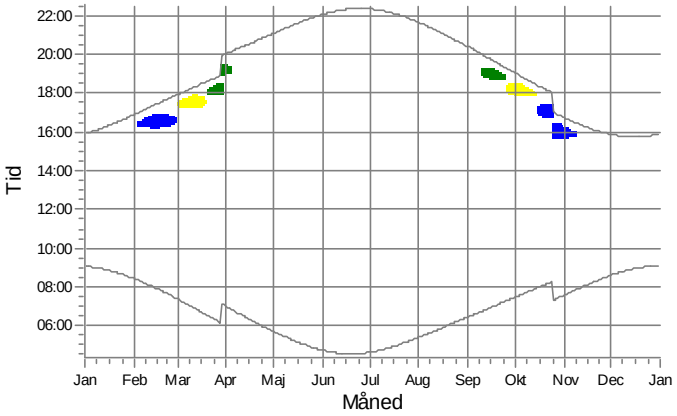
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, kun nye møller

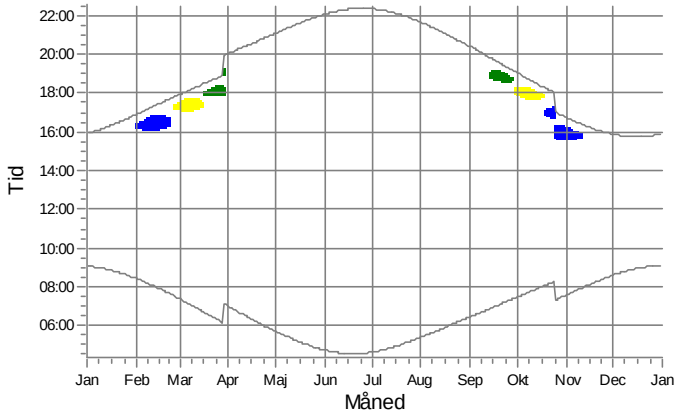
L19: Frøslevkær 8, Frøslev, 7900 Nykøbing M



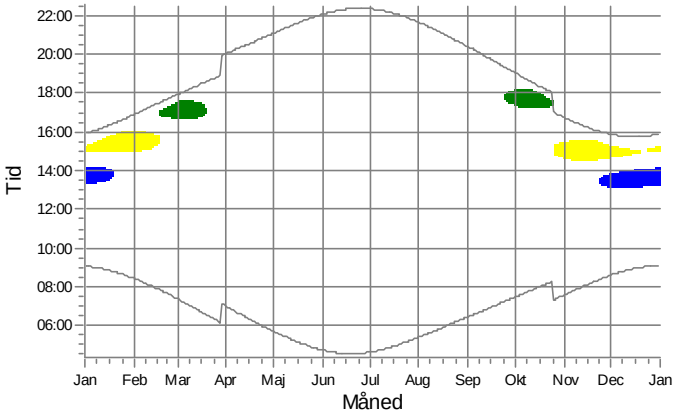
L20: Grønholm 2, 7950 Erslev



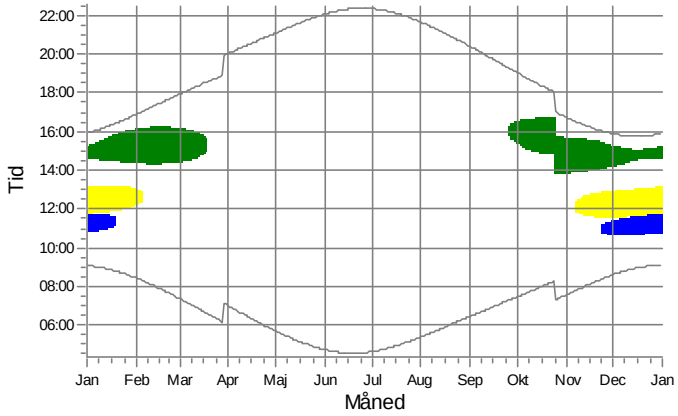
L21: Grønholm 7, 7950 Erslev



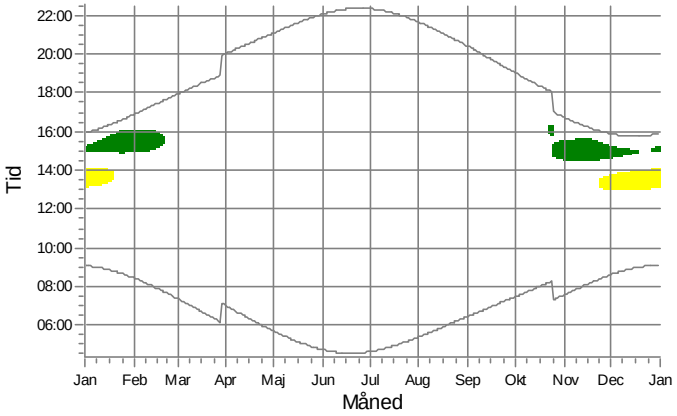
L22: Holme 2, 7950 Erslev



L23: Holme 3, 7950 Erslev



L24: Holme 4, 7950 Erslev



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

Brugerlicens:
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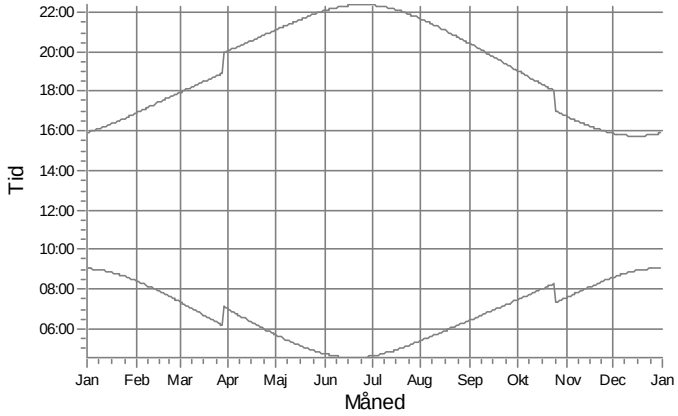
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Beregnet:
10/11/2026 10:56/4.3.262

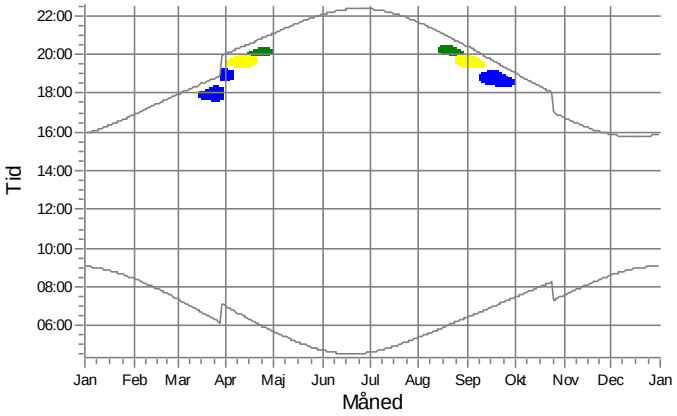
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, kun nye møller

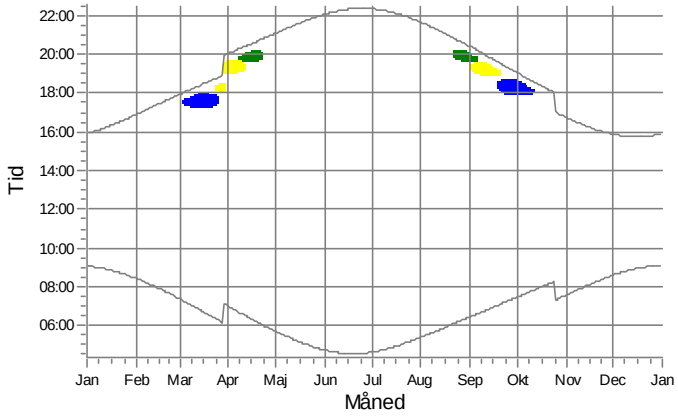
L25: Holmgårdsvej 9, Elsø, 7900 Nykøbing M



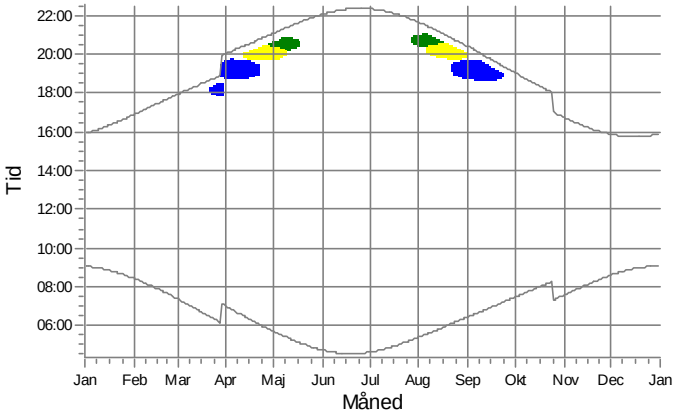
L26: Kildevej 10, Elsø, 7900 Nykøbing M



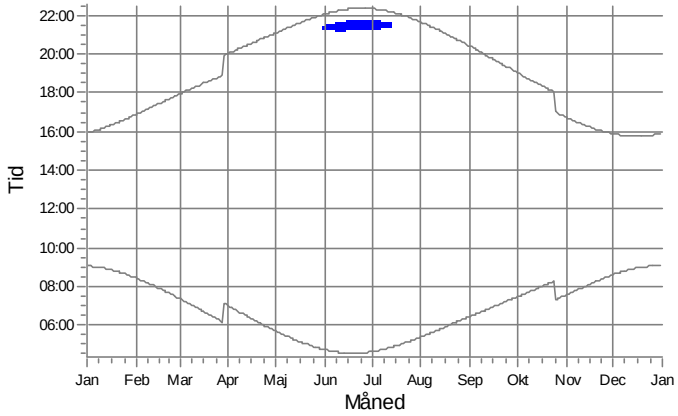
L27: Kildevej 12, Elsø, 7900 Nykøbing M



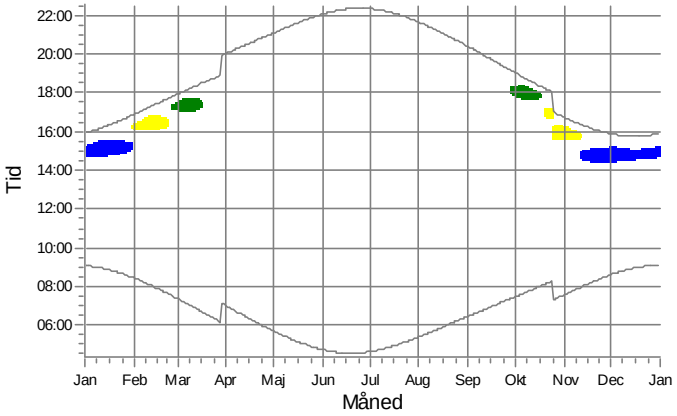
L28: Kildevej 14, Andrup, 7900 Nykøbing M



L29: Kildevej 16, Andrup, 7900 Nykøbing M



L30: Lyngbro 17, 7950 Erslev



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

Brugerlicens:
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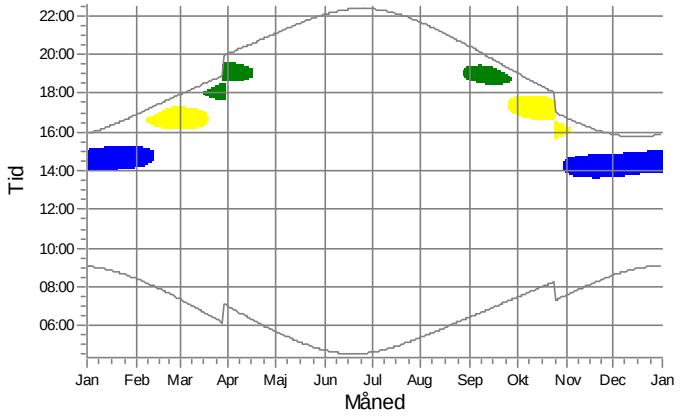
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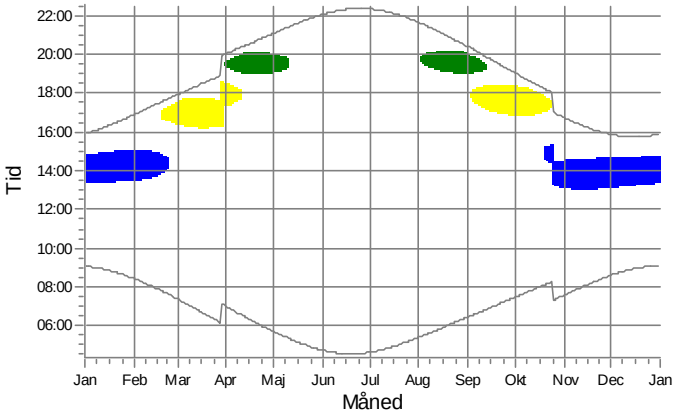
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, kun nye møller

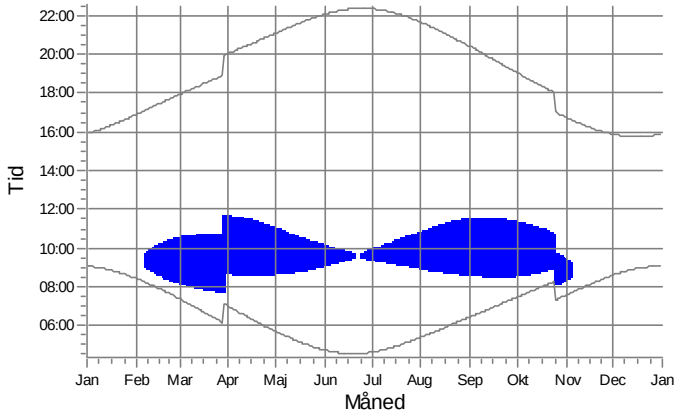
L31: Lyngbro 18, 7950 Erslev



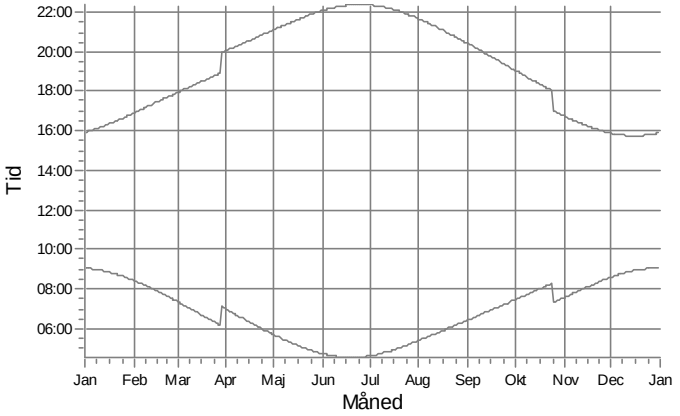
L32: Lyngbro 20, Frøslev, 7900 Nykøbing M



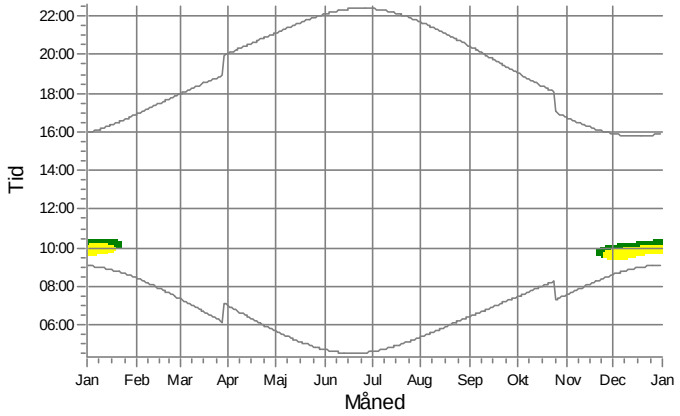
L33: Lyngbro 24, Frøslev, 7900 Nykøbing M



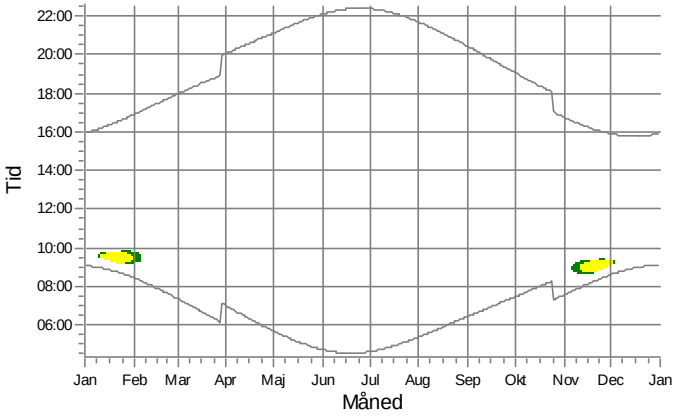
L34: Lyngbro 26, Frøslev, 7900 Nykøbing M



L35: Mølagre 12, 7950 Erslev



L36: Mølagre 14, 7950 Erslev



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

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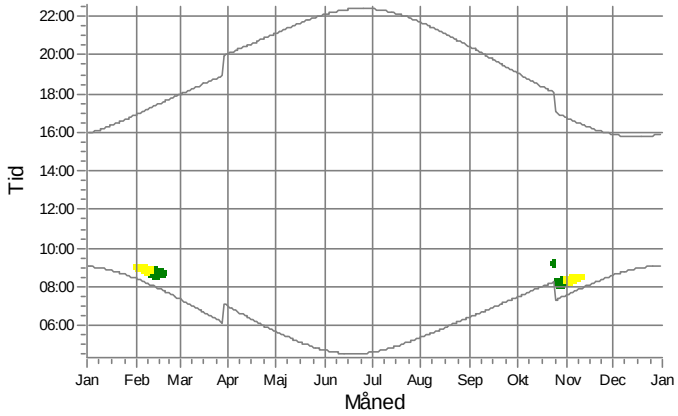
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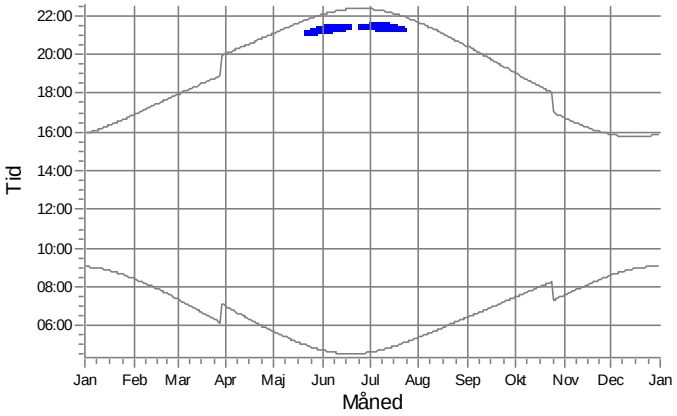
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, kun nye møller

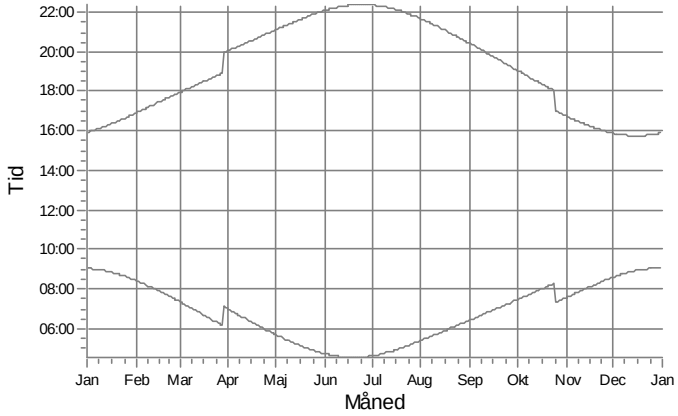
L37: Mølagre 18, 7950 Erslev



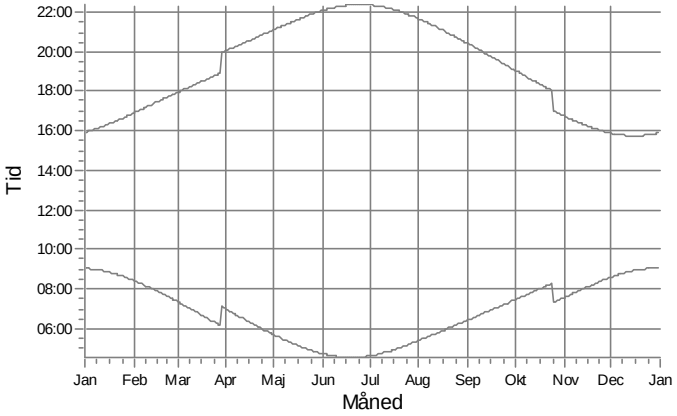
L38: Thorshøjvej 4, Elsø, 7900 Nykøbing M



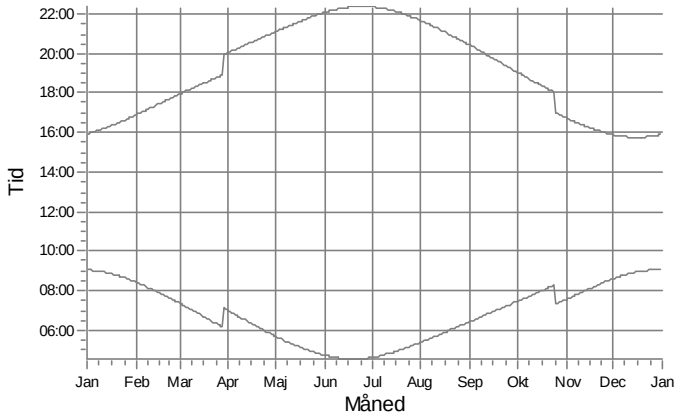
L40: Øksendal 9, Lødderup, 7900 Nykøbing M



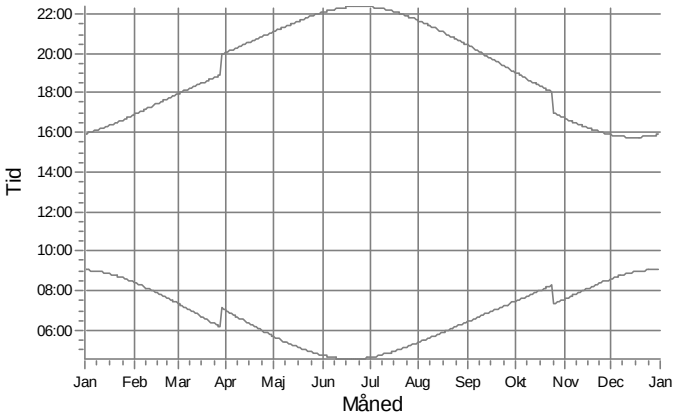
L41: Øksendal 10, Frøslev, 7900 Nykøbing M



L42: Øksendal 11, Frøslev, 7900 Nykøbing M



L43: Østervang 32, Frøslev, 7900 Nykøbing M



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

Brugerlicens:
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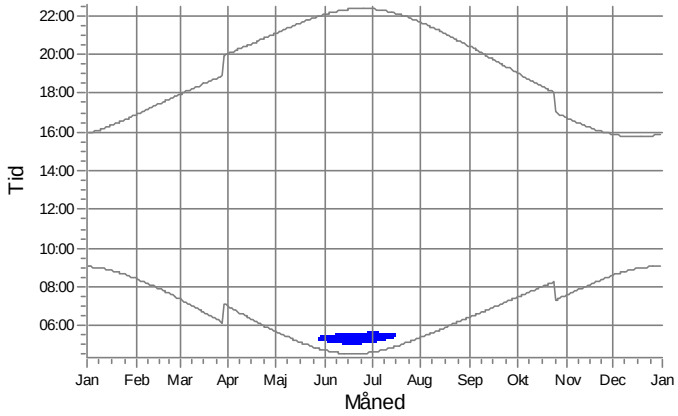
+45 6916 4850
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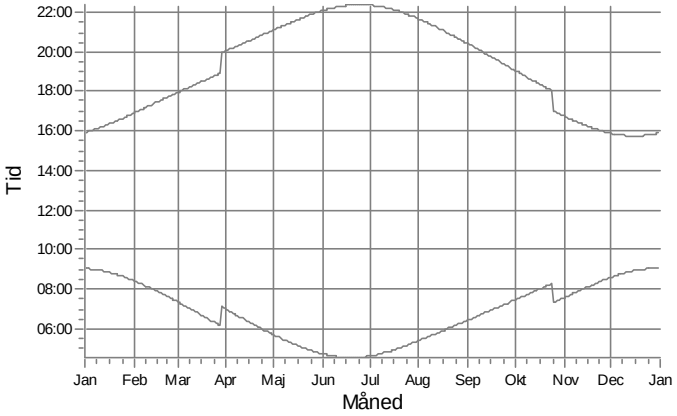
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, kun nye møller

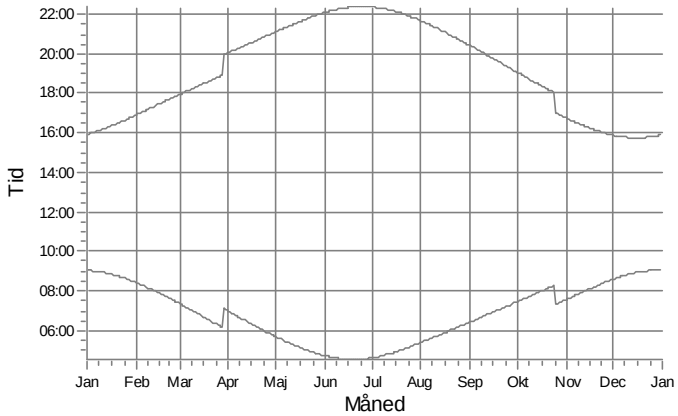
L44: Frøslevlund 18, Frøslev, 7900 Nykøbing M



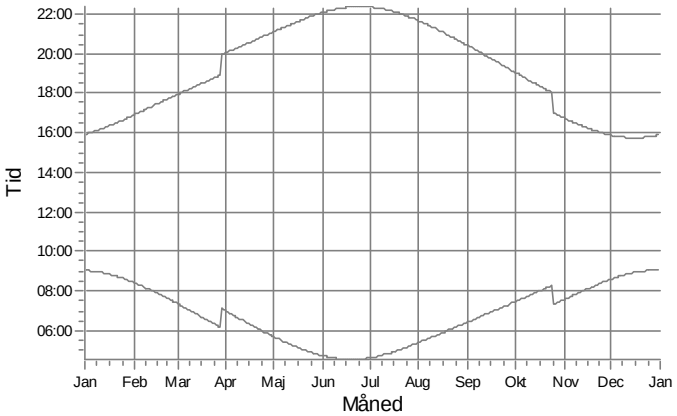
L45: Friskolebakke 18, Frøslev, 7900 Nykøbing M



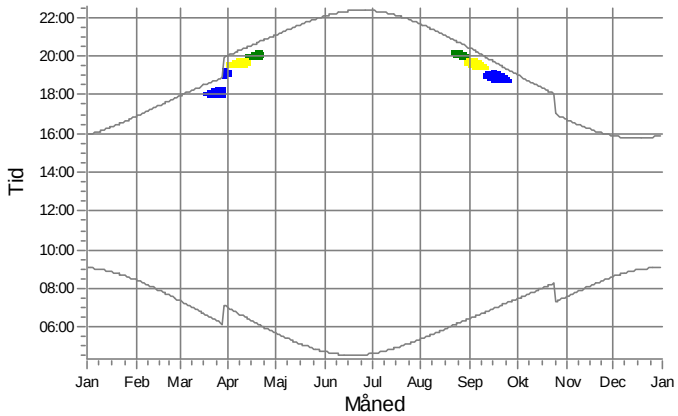
L46: Friskolebakke 16A, Frøslev, 7900 Nykøbing M



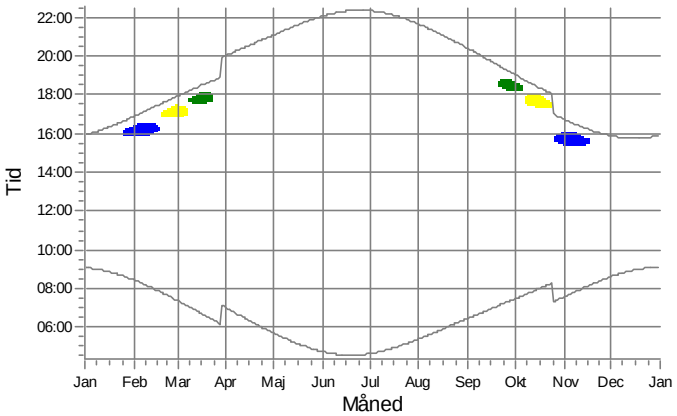
L47: Friskolebakke 16, Frøslev, 7900 Nykøbing M



L48: Kildevej 6, Elsø, 7900 Nykøbing M



L49: Grønholm 5, Erslev, 7950 Erslev



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

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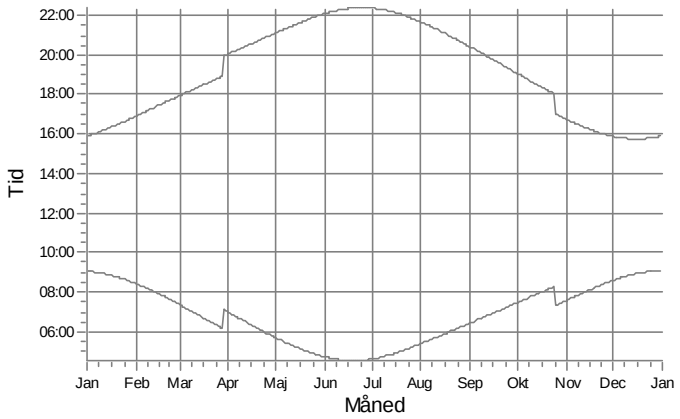
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Beregnet:
10/11/2026 10:56/4.3.262

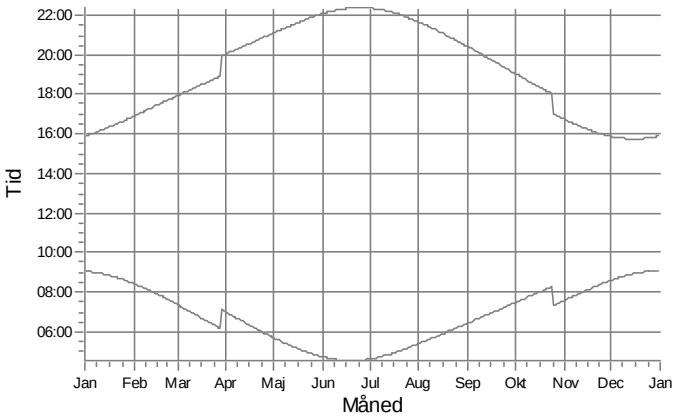
SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, kun nye møller

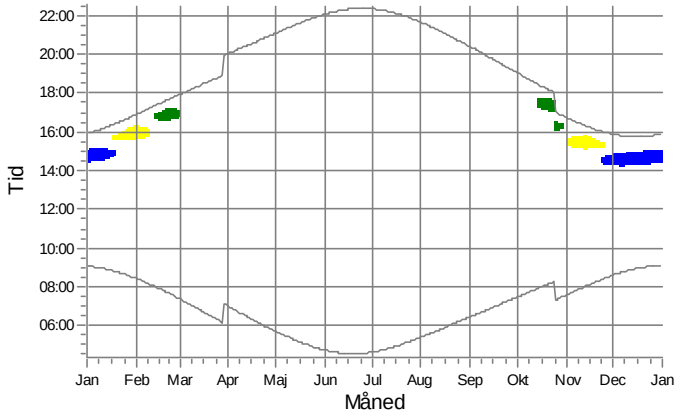
L50: Frederik Kroghs Mark 19, Erslev, 7950 Erslev



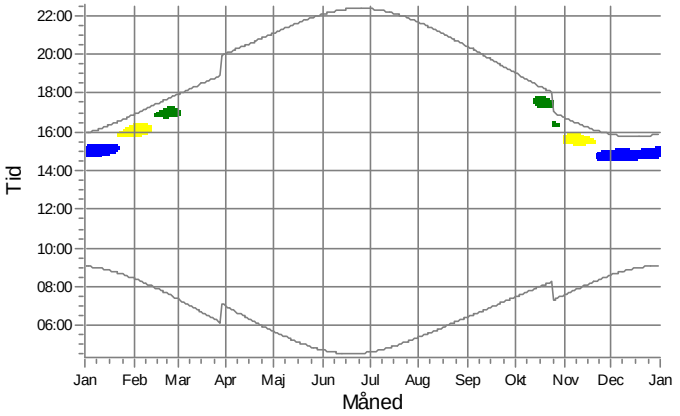
L51: Mølagre 3, Erslev, 7950 Erslev - ikke beboet



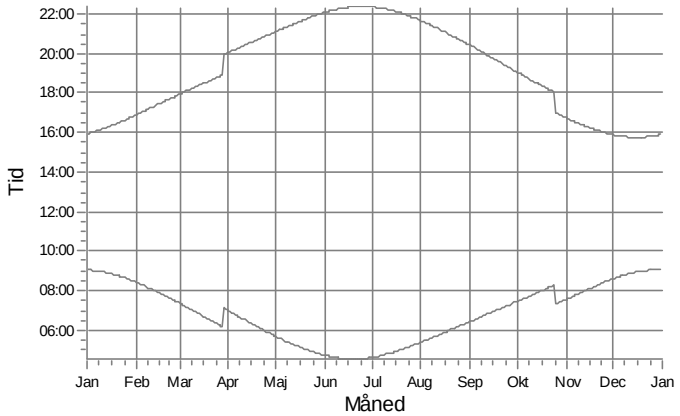
L52: Lyngbro 12, Erslev, 7950 Erslev



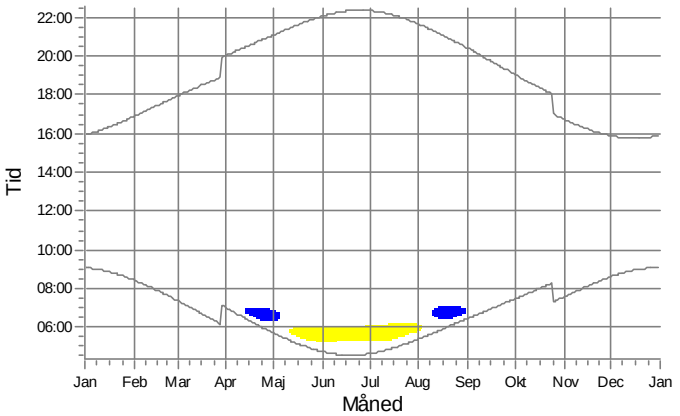
L53: Lyngbro 10, Erslev, 7950 Erslev



L55: Elsøvej 164, Frøslev, 7900 Nykøbing M



L56: Majgårdsvej 11, Frøslev, 7900 Nykøbing M



Vindmøller

1: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (1)
2: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (2)
3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

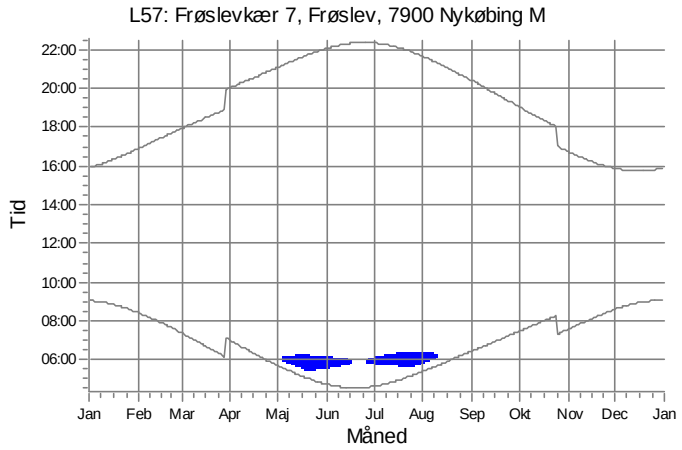
Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

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Beregnet:
10/11/2026 10:56/4.3.262

SHADOW - Kalender, grafisk

Beregning: La1 udendørs skyggekast, kun nye møller



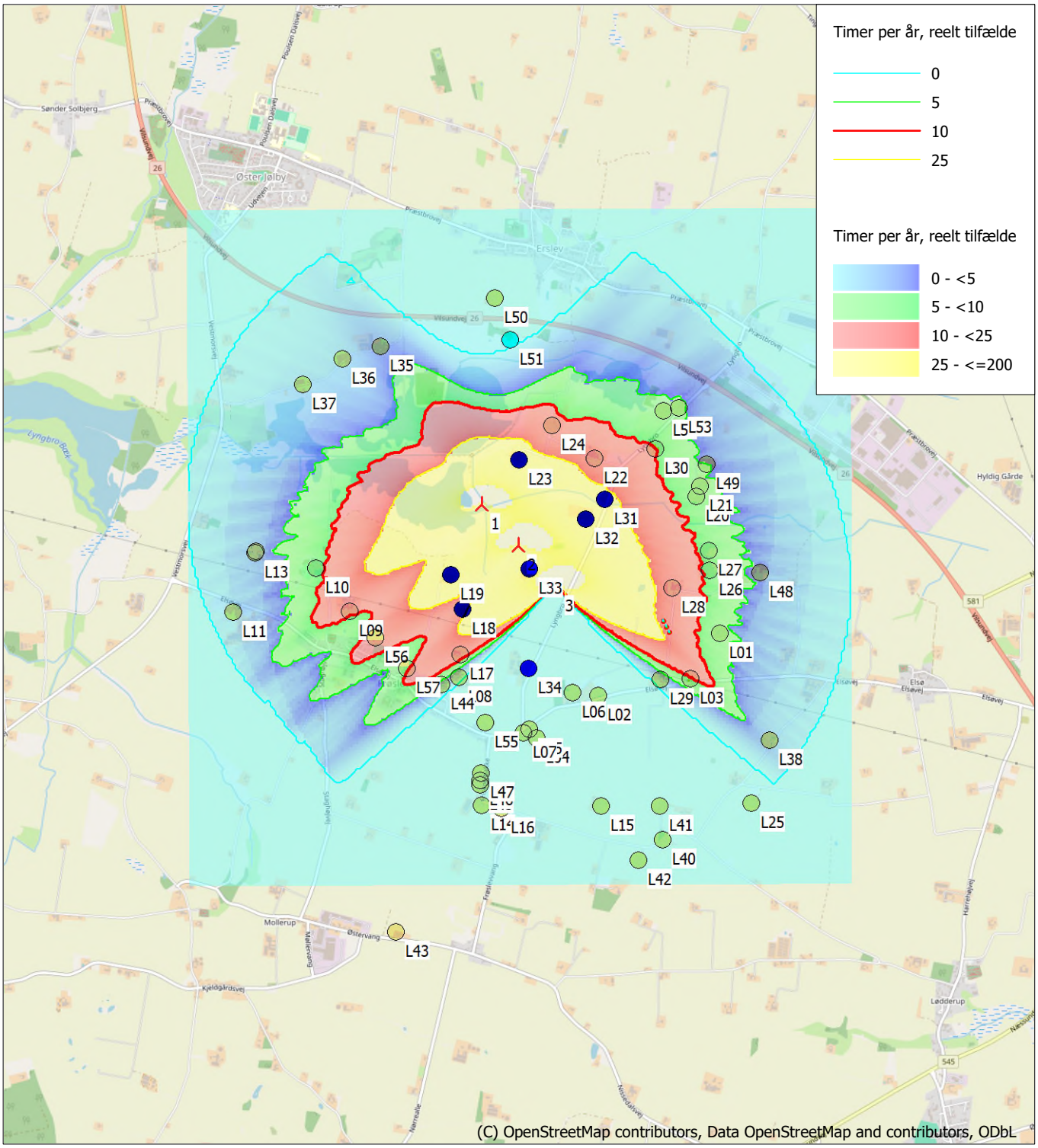
Vindmøller

3: VESTAS V162-6.2 6200 162.0 !O! nav: 99.0 m (TOT:180.0 m) (3)

Graphical calendar shows worst-case shadow occurrences. Real-case reductions (sun probability, operational time, wind direction) are not applied to the graph.

SHADOW - Kort

Beregning: La1 udendørs skyggekast, kun nye møller



Kort: EMD OpenStreetMap , Udskriftsmålestok 1:40,000, Kortcentrum UTM (north)-ETRS89 Zone: 32 Øst: 484,580 Nord: 6,296,248

Ny vindmølle Skyggemodtager

Skygge kort niveau: Højdekonturer: Danish_Elevation_Model_DTM_5.0m_Grid_Terrain_40km_x_40km_5mSep.wpo (1)
Tidsskridt: 3 minutter, Dagskridt: 7 dage, Kortopløsning: 20 m, Synlighedsberegning: 10 m, Betragterhøjde: 1.5 m