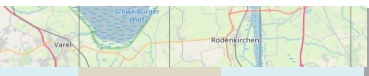
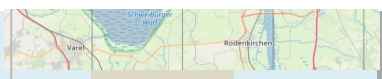
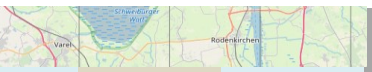


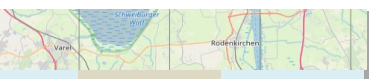
Referentievlak :LAT		Hooksiel				Mellum		Wilhelmshaven				Großer Vogelsand, Leuchtturm				Grosser Vogelsand	
		53°38'31"N 8°04'55"E				Schillig		Alter Vorhafen 53°30'60"N 8°09'00"E		Bremerhaven *		54,0000° N, 8,4833° E				Neuwerk	
		HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw
datum	dag	Hooksiel				Mellum		Wilhelmshaven				Großer Vogelsand, Leuchtturm				Grosser Vogelsand	
		HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw
1-1	zon		1:17 120	7:25 410	13:51 110	20:05 370		01:22 101	07:46 456	13:57 85	20:25 404		01:17 83	07:21 373	13:58 68	19:59 329	
2-1	maa		2:15 120	8:32 400	14:56 110	21:11 380		02:20 101	08:52 441	15:00 86	21:31 404		02:19 79	08:24 361	14:55 68	20:59 329	
3-1	din		3:27 120	9:41 400	16:05 110	22:16 390		03:29 95	10:01 429	16:03 84	22:34 407		03:24 72	09:26 349	15:57 67	21:58 331	
4-1	woe		4:38 110	10:47 400	17:07 110	23:15 400		04:36 82	11:06 422	17:05 82	23:29 413		04:33 62	10:29 340	17:02 66	22:53 336	
5-1	don		5:39 100	11:46 400	18:02 100	0:07 400		05:36 71	12:02 420	17:59 83	00:14 421		05:37 53	11:27 337	17:56 67	23:40 343	
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7-1	zat 01:08 VM	0:52 400	7:18 100	13:20 380	19:32 110			00:51 431	07:08 73	13:24 429	19:24 92		00:19 353	07:05 63	12:53 348	19:15 82	00:55 366
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15-1	zon 03:10 LK	5:20 400	12:02 110	17:48 370	0:19 120			05:25 441	11:49 89	17:57 407	00:04 109		05:00 360	11:43 80	17:38 332	23:59 93	
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19-1	don		3:48 130	9:55 380	16:25 120	22:27 390			03:30 120	09:45 412	16:09 104	22:28 419		03:21 99	09:04 338	16:01 92	21:55 343
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21-1	zat 21:53 NM		6:06 90	12:07 400	18:32 100	0:29 420			05:54 74	12:12 431	18:22 72	00:37 454		05:47 60	11:43 348	18:13 64	00:07 368
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5-2	zon 19:28 VM	0:33 400	7:04 100	13:04 380	19:17 120			00:40 444	06:56 74	13:11 439	19:13 87		00:14 360	06:51 63	12:47 352	19:03 77	00:52 372
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Referentievlak :LAT		lw	0:07 eerde 10 bron: https://gezeitenfisch.com/de/niedersachsen/hooksiel																																	
datum	dag		HW		lw		HW		lw		HW		lw		HW		lw		HW		lw		HW		lw		HW									
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21-2	din		1:16	440	7:48	50	13:53	420	20:06	60					01:23	477	07:49	16	14:03	452	20:08	30					00:52	382	07:45	11	13:28	360	19:58	24		
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2-3	don				1:51	150	8:21	340	14:27	180	20:53	350					01:48	103	08:30	379	14:31	140	20:54	382					01:39	76	07:58	302	14:16	104	20:24	310
3-3	vry				3:27	170	9:47	340	16:07	180	22:11	360					03:19	115	10:01	389	16:04	136	22:25	404					03:08	86	09:18	310	15:52	106	21:49	329
4-3	zat				4:57	150	11:00	350	17:21	150	23:15	380					04:45	105	11:15	414	17:16	116	23:30	435					04:41	80	10:49	329	17:09	91	23:03	355
5-3	zon				5:54	120	11:54	370	18:12	130	0:03	390					05:47	88	12:08	434	18:09	96	00:18	456					05:42	69	11:45	348	18:00	79	23:52	373
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7-3	din	13:40 VM	0:43	400	7:16	90	13:12	380	19:30	100					00:56	465	07:15	68	13:24	447	19:28	76					00:30	380	07:05	59	12:56	361	19:16	65		
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9-3	don		1:49	410	8:22	80	14:13	390	20:35	90					02:01	462	08:21	49	14:27	447	20:32	55					01:31	376	08:10	42	13:53	362	20:20	45		
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15-3	woe	03:08 LK	5:13	380	11:49	130	17:35	360	0:15	130					05:17	429	11:27	86	17:38	425	23:56	85					04:38	346	11:21	76	17:00	342	23:49	70		
16-3	don				0:15	130	6:15	350	12:46	160	18:50	350			06:14	409	12:21	109	18:44	411	01:04	104					05:35	331	12:15	92	18:08	333	00:56	82		
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18-3	zat				2:57	150	9:21	340	15:39	170	21:47	370					02:42	107	09:17	395	15:30	120	21:52	420					02:39	79	08:46	317	15:20	92	21:24	341
19-3	zon				4:30	130	10:40	370	17:02	140	22:59	400					04:20	79	10:45	417	16:56	88	23:09	449					04:11	55	10:18	335	16:42	66	22:44	364
20-3	maa				5:41	90	11:47	390	18:06	100	0:03	430					05:36	46	11:56	440	18:05	57	00:12	474					05:29	32	11:26	354	17:53	43	23:44	384
21-3	din	18:23 NM	0:03	430	6:37	50	12:44	410	19:00	70	0:58	450			00:12	474	06:38	24	12:54	453	19:01	38							06:34	16	12:20	363	18:50	29	00:33	394
22-3	woe		0:58	450	7:27	30	13:34	430	19:46	50					01:06	488	07:30	16	13:44	454	19:48	30					00:33	394	07:26	12	13:05	364	19:38	23		
23-3	don		1:47	460	8:11	30	14:16	430	20:28	40					01:53	491	08:14	18	14:27	450	20:29	27					01:17	397	08:09	15	13:44	362	20:19	21		
24-3	vry		2:28	460																																

Referentievlak :LAT		lw	0:07 eerde 10 bron: https://gezeitenfisch.com/de/niedersachsen/hooksiel																														
datum	dag		HW		lw		HW		lw		HW		lw		HW		lw		HW		lw		HW		lw		HW						
26-3	zon		4:36	440	10:55	60	16:52	420	23:11	60		04:46	462	10:54	30	16:57	440	23:06	23		04:10	374	10:43	30	16:25	353	22:56	17					
27-3	maa		5:08	430	11:27	80	17:24	420	23:44	70		05:18	445	11:21	40	17:27	437	23:38	32		04:48	357	11:10	30	16:58	345	23:27	24					
28-3	din		5:45	410	12:01	100	18:02	400	0:22	90		05:53	426	11:51	60	18:01	428	00:12	50		05:26	339	11:41	50	17:29	337	00:02	40					
29-3	woe	04:32 EK			0:22	90	6:28	380	12:40	120	18:48	380		00:12	50	06:33	408	12:27	95	18:43	415		00:02	40	06:08	324	12:16	76	18:11	330			
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31-3	vry				2:07	160	8:33	330	14:34	180	21:03	350		01:53	120	08:35	380	14:25	166	20:59	397		01:45	90	08:11	310	14:10	129	20:32	330			
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3-4	maa				6:15	130	12:12	360	18:34	140	0:19	390		06:13	100	12:31	432	18:35	109	00:42	459		06:02	80	12:00	351	18:23	91	00:12	380			
4-4	din		0:19	390	6:59	100	12:54	380	19:16	110		00:42	459	07:01	70	13:15	443	19:19	86		00:12	380	06:50	60	12:44	360	19:06	70	00:55	380			
5-4	woe		1:00	410	7:37	80	13:31	390	19:54	90		01:23	461	07:40	60	13:51	446	19:56	70		00:55	380	07:29	40	13:20	361	19:44	55					
6-4	don	06:34 VM	1:38	420	8:14	70	14:06	400	20:31	80		01:57	457	08:15	50	14:24	446	20:30	58		01:30	374	08:05	30	13:53	360	20:19	43					
7-4	vry		2:16	430	8:50	70	14:41	410	21:06	80		02:31	454	08:48	40	14:58	447	21:03	47		02:01	369	08:38	30	14:22	361	20:52	34					
8-4	zat		2:53	430	9:24	70	15:15	410	21:40	70		03:05	455	09:21	30	15:30	449	21:36	42		02:30	368	09:11	20	14:51	363	21:25	32					
9-4	zon		3:28	420	9:57	70	15:48	410	22:13	80		03:39	456	09:53	30	16:01	451	22:09	43		03:03	369	09:42	30	15:25	365	21:57	35					
10-4	maa		4:03	410	10:30	80	16:19	400	22:47	80		04:12	454	10:25	40	16:32	451	22:41	49		03:39	367	10:12	40	16:01	365	22:29	41					
11-4	din		4:37	400	11:04	100	16:52	390	23:23	90		04:47	446	10:56	60	17:04	450	23:16	57		04:15	361	10:43	50	16:37	364	23:03	48					
12-4	woe		5:15	380	11:42	110	17:31	380	0:05	100		05:25	434	11:30	70	17:44	447	23:57	67		04:51	351	11:18	60	17:13	360	23:45	56					
13-4	don	11:11 LK			0:05	100	6:02	360	12:27	130	18:22	370		06:13	416	12:12	90	18:34	437	00:49	80		05:33	337	12:01	70	17:58	354	00:38	60			
14-4	vry				0:59	120	7:07	340	13:26	160	19:38	360			00:49	80	07:19	398	13:10	113	19:45	424		00:38	60	06:37	321	12:59	91	19:08	345		
15-4	zat				2:12	140	8:38	330	14:46	170	21:07	360			02:02	90	08:46	391	14:38	127	21:16	425		01:55	70	08:13	313	14:26	99	20:45	345		
16-4	zon				3:43	140	10:05	350	16:19	160	22:27	390			03:42	90	10:15	404	16:20	111	22:42	445		03:42	60	09:48	324	16:10	83	22:16	363		
17-4	maa				5:09	110	11:19	370	17:39	130	23:37	410			05:07	60	11:34	428	17:38	81	23:54	472		04:59	40	11:04	344	17:25	59	23:26	385		
18-4	din				6:16	70	12:23	400	18:42	90	0:40	440			06:17	30	12:41	449	18:43	55	00:53	490		06:11	20	12:07	360	18:33	42	00:23	399		
19-4	woe		0:40	440	7:11	50	13:19	420	19:34	60		00:53	490	07:15	20	13:35	457	19:37	40		00:23	399	07:13	10	12:58	367	19:29	32					
20-4	don	06:14 NM	1:35	450	8:00	40	14:07	430	20:21	50		01:45	493	08:04	20	14:19	455	20:22	33		01:10	401	08:01	10	13:40	367	20:15	28					
21-4	vry		2:22	450	8:43	40	14:48	430	21:02	50		02:29	487	08:45	20	14:57	451	21:02	27		01:50	395	08:41	20	14:14	365	20:54	24					
22-4	zat		3:03	440	9:21	50	15:23	420	21:39	50		03:09	476	09:21	20	15:29	451	21:36	20		02:27	386	09:13	20	14:45	365	21:26	18					
23-4	zon		3:38	430	9:55	70	15:53	420	22:13	60		03:46	466	09:53	20	15:57	454	22:08	16		03:04	376	09:40	20	15:20	365	21:56	15					
24-4	maa		4:09	420	10:26	80	16:22	420	22:45	70		04:21	455	10:22	30	16:27	455	22:39	22		03:44	366	10:07	30	15:57	363	22:27	19					
25-4	din		4:41	410	10:56	90	16:54	420	23:17	80		04:54	443	10:51	50	17:01	453	23:12	39		04:26	355	10:39	40	16:34	359	23:01	36					
26-4	woe		5:16	390	11:29	100	17:30	410	23:54	100		05:29	431	11:23	70	17:36	447	23:46	66		05:06	344	11:13	60	17:09	356	23:38	61					
27-4	don	23:20 EK	5:56	370	12:06	120	18:13	390	0:36	120		06:08	419	11:58	100	18:17	440	00:27	90		05:47	336	11:49	90	17:49	355	00:20	80					
28-4	vry				0:36	120	6:44	350	12:50	150	19:04	370			00:27	90	06:55	408	12:41	139	19:09	433		00:20	80	06:35	331	12:32	119	18:43	357		
29-4	zat				1:29	150	7:45	330	13:47	180	20:09	360			01:21	120	07:57	400	13:42	163	20:18	429		01:15	100	07:35	330	13:30	137	19:49	361		
30-4	zon				2:41	160	9:01	320	15:05	190	21:23	360			02:38	140	09:16	402	15:08	168	21:41	435		02:26	110	08:46	335	14:42	140	21:06	367		
1-5	maa				4:08	160	10:16	340	16:35	170	22:30	370			04:10	120	10:35	416	16:38	143	22:55	448		03:51	100	10:00	345	16:18	124	22:23	375		
2-5	din				5:18	130	11:14	360	17:40	140	23:24	390			05:18	90	11:38	434	17:42	110	23:52	456		05:05	70	11:05	355	17:31	94	23:24	378		
3-5	woe				6:08	100	12:01	390	18:30	110	0:12	410			06:10	60	12:27	445	18:32	82	00:38	457		05:59	50	11:57	362	18:22	69	00:13	376		
4-5	don		0:12	410	6:53	80	12:44	410	19:14	90	0:57	430			00:38	457	06:54	50	13:08	450	19:14	64		00:13	376	06:45	40	12:41	365	19:05	51	00:55	371
5-5	vry	19:34 VM	0:57	430	7:35	60	13:26	420	19:56	70		01:18	455	07:33	40	13:46	453	19:53	53		00:55	371	07:26	30	13:19	366	19:45	41					
6-5	zat		1:42	430	8:16	60	14:08	420	20:37	70		01:58	456	08:11	30	14:25	457	20:31	45		01:31	369	08:04	30	13:53	369	20:24	37					
7-5	zon		2:25	430	8:56	60	14:48	420	21:17	70		02:37	459	08:49	30	15:02	462	21:10	41		02:05	370	08:41	30	14:27	375	21:01	37					
8-5	maa		3:07	410	9:33	80	15:26	410	21:54	80		03:18	459	09:27	40	15:39	466	21:48	40		02:41	372	09:17	30	15:04	380	21:38	39					

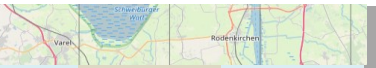
Referentievlak :LAT		lw	0:07 eerd:10 bron: https://gezeitenfisch.com/de/niedersachsen/hooksiel																							
datum	dag		HW		lw		HW		lw		HW		lw		HW		lw		HW		lw		HW			
9-5	din		3:47	400	10:09	90	16:03	400	22:31	90																
10-5	woe		4:26	390	10:46	100	16:41	400	23:11	90																
11-5	don		5:09	370	11:27	120	17:25	400	23:57	100																
12-5	vry	16:28	6:01	360	12:15	130	18:20	390	0:54	110																
13-5	zat				0:54	110	7:07	350	13:16	150	19:30	380														
14-5	zon				2:05	120	8:24	350	14:31	150	20:48	390														
15-5	maa				3:23	120	9:41	360	15:52	140	22:02	400														
16-5	din				4:39	100	10:50	380	17:07	120	23:10	420														
17-5	woe				5:44	70	11:52	400	18:11	90	0:12	440														
18-5	don		0:12	440	6:40	50	12:48	420	19:05	70																
19-5	vry	17:53 NM	1:08	440	7:30	50	13:37	420	19:54	60																
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21-5	zon		2:39	420	8:54	70	14:56	420	21:16	70																
22-5	maa		3:15	400	9:29	90	15:27	410	21:51	80																
23-5	din		3:47	390	10:00	100	15:57	410	22:24	90																
24-5	woe		4:19	380	10:31	110	16:29	410	22:57	100																
25-5	don		4:53	370	11:03	120	17:05	410	23:32	110																
26-5	vry		5:30	360	11:39	130	17:44	400	0:11	120																
27-5	zat	17:22 EK			0:11	120	6:12	350	12:21	140	18:28	390														
28-5	zon				0:58	130	7:01	340	13:10	150	19:20	380														
29-5	maa				1:55	140	8:01	340	14:13	160	20:23	370														
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31-5	woe				4:11	120	10:14	370	16:37	140	22:32	400														
1-6	don				5:13	100	11:10	390	17:39	110	23:28	420														
2-6	vry				6:07	80	12:01	410	18:33	90	0:20	430														
3-6	zat		0:20	430	6:58	70	12:50	420	19:23	80																
4-6	zon	05:42 VM	1:11	430	7:45	70	13:38	420	20:11	70																
5-6	maa		2:01	420	8:30	70	14:24	420	20:56	80																
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8-6	don		4:23	380	10:36	110	16:36	410	23:07	90																
9-6	vry		5:10	370	11:20	110	17:23	410	23:55	90																
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20-6	din		3:00	380	9:10	110	15:09	410	21:38	100																
21-6	woe		3:34	370	9:44	120	15:41	400	22:12	110																

Referentievlak :LAT		lw	0:07 eerde 10 bron: https://gezeitenfisch.com/de/niedersachsen/hooksiel																																	
datum	dag		HW		lw		HW		lw		HW		lw		HW		lw		HW		lw		HW		lw		HW									
22-6	don		4:05	370	10:16	120	16:12	410	22:44	110					04:15	452	10:14	90	16:21	472	22:37	83					03:49	375	10:00	80	15:53	394	22:26	81		
23-6	vry		4:36	360	10:46	120	16:44	410	23:15	110					04:49	448	10:47	100	16:56	474	23:12	92					04:27	375	10:35	100	16:28	397	23:02	91		
24-6	zat		5:08	360	11:19	120	17:18	410	23:50	110					05:24	442	11:21	110	17:31	473	23:49	96					05:03	370	11:09	110	17:01	397	23:39	93		
25-6	zon		5:42	360	11:56	120	17:55	400	0:29	120					06:03	433	11:57	110	18:10	468	00:29	90					05:39	363	11:45	110	17:40	392	00:18	90		
26-6	maa	09:50 EK			0:29	120	6:22	360	12:39	130	18:39	400					00:29	90	06:47	425	12:40	119	18:56	457					00:18	90	06:20	354	12:27	111	18:26	381
27-6	din				1:16	120	7:10	360	13:31	130	19:32	390					01:15	90	07:38	418	13:30	119	19:51	444					01:04	80	07:08	347	13:17	106	19:19	369
28-6	woe				2:12	120	8:12	360	14:32	140	20:37	390					02:10	90	08:36	415	14:30	118	20:53	435					01:57	80	08:03	342	14:13	102	20:19	360
29-6	don				3:15	120	9:21	370	15:41	130	21:46	390					03:13	90	09:38	419	15:38	114	21:57	433					02:56	80	09:05	344	15:18	98	21:25	356
30-6	vry				4:21	110	10:26	380	16:51	120	22:51	400					04:18	80	10:39	429	16:46	104	23:00	438					04:01	80	10:10	352	16:31	91	22:31	360
1-7	zat				5:25	90	11:25	400	17:56	100	23:50	410					05:19	70	11:38	443	17:50	90	00:00	445					05:06	70	11:12	365	17:39	79	23:32	366
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4-7	din		1:46	400	8:12	90	14:08	420	20:44	80			01:57	455	08:05	50	14:20	476	20:38	47			01:21	371	07:52	50	13:44	392	20:29	47						
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9-7	zon		5:51	390	12:01	90	18:05	440	0:35	70			06:15	434	12:07	50	18:25	497	00:43	40			05:40	352	11:58	50	17:52	408	00:44	40						
10-7	maa	03:48 LK			0:35	70	6:39	390	12:49	90	18:57	430			00:43	40	07:04	430	12:54	61	19:19	491			00:44	40	06:32	347	12:47	60	18:46	402				
11-7	din				1:25	80	7:33	380	13:43	100	19:55	420			01:33	50	07:57	424	13:47	71	20:17	478			01:34	50	07:27	342	13:42	65	19:45	389				
12-7	woe				2:20	90	8:33	380	14:42	110	20:59	410			02:29	60	08:55	418	14:47	79	21:20	460			02:27	50	08:24	337	14:43	69	20:46	374				
13-7	don				3:22	110	9:38	380	15:50	120	22:07	400			03:29	60	09:57	414	15:54	81	22:26	444			03:23	60	09:22	334	15:47	68	21:47	359				
14-7	vry				4:29	110	10:43	380	17:04	120	23:16	400			04:32	70	11:01	416	17:03	73	23:33	436			04:22	60	10:22	336	16:56	63	22:53	349				
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16-7	zon		0:21	390	6:38	110	12:45	400	19:12	100			00:35	437	06:36	60	12:54	435	19:07	55			00:01	348	06:34	60	12:24	353	19:08	49	00:57	354				
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19-7	woe		2:48	370	8:59	110	14:55	400	21:27	100			02:50	452	08:53	80	14:57	469	21:16	80			02:20	370	08:40	80	14:27	390	21:06	80						
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23-7	zon		4:44	370	11:01	110	16:53	410	23:26	100			05:04	448	11:04	100	17:07	476	23:28	80			04:35	375	10:49	90	16:35	398	23:14	80						
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25-7	din				0:00	100	5:46	370	12:10	110	18:03	410			00:01	80	06:11	430	12:10	101	18:18	457	05:41	356	11:56	90	17:48	378	00:24	80						
26-7	woe	00:07 EK			0:41	100	6:27	370	12:55	110	18:49	400			00:36	80	06:49	423	12:49	104	19:02	445			00:24	80	06:19	348	12:37	92	18:31	368				
27-7	don				1:30	110	7:21	360	13:49	130	19:49	380			01:19	90	07:35	418	13:37	113	19:55	434			01:09	80	07:04	344	13:25	98	19:22	360				
28-7	vry				2:28	120	8:30	360	14:54	140	21:04	380			02:13	100	08:33	417	14:38	125	21:00	428			02:02	90	08:00	345	14:24	107	20:26	355				
29-7	zat				3:36	130	9:47	370	16:10	140	22:20	380			03:21	110	09:43	423	15:54	128	22:14	429			03:06	100	09:09	350	15:39	109	21:39	356				
30-7	zon				4:49	130	10:55	380	17:27	120	23:29	380			04:37	110	10:57	438	17:15	113	23:30	437			04:21	100	10:26	363	17:03	98	22:57	362				
31-7	maa				5:59	120	11:58	400	18:37	100	0:35	390			05:48	90	12:08	457	18:28	88	00:43	448			05:33	80	11:38	378	18:14	78	00:09	368				
1-8	din	20:32 VM	0:35	390	7:03	100	12:58	410	19:39	90			00:43	448	06:55	70	13:12	474	19:34	62			00:09	368	06:39	70	12:40	391	19:22	59						
2-8	woe		1:37	390	8:01	90	13:56	420	20:35	70			01:49	457	07:57	60	14:10	487	20:34	42			01:14	372	07:43	60	13:35	398	20:27	44						
3-8	don		2:35	400	8:54	90	14:50	430	21:25	60			02:48	460	08:54	50	15:04	496	21:27	29			02:12	372	08:42	50	14:26	404	21:23	33						
4-8	vry		3:26	400	9:41	80	15:38	440	22:10	50			03:42	458	09:44	40	15:53	504	22:15	25			03:03	369												

Referentievlak :LAT		lw	0:07 eerde 10 bron: https://gezeitenfisch.com/de/niedersachsen/hooksiel																													
datum	dag		HW		lw		HW		lw		HW		lw		HW		lw		HW		lw		HW		lw		HW		lw		HW	
5-8	zat		4:11	400	10:24	70	16:22	450	22:51	50																						
6-8	zon		4:52	410	11:03	70	17:03	450	23:31	50																						
7-8	maa		5:31	410	11:43	70	17:45	450	0:11	60																						
8-8	din	12:28 LK			0:11	60	6:12	400	12:25	70	18:30	430																				
9-8	woe				0:54	80	6:59	390	13:11	90	19:22	410																				
10-8	don				1:42	100	7:54	380	14:04	110	20:23	390																				
11-8	vry				2:39	130	8:58	370	15:10	140	21:34	370																				
12-8	zat				3:48	150	10:09	370	16:32	140	22:51	370																				
13-8	zon				5:09	150	11:20	380	17:55	130	0:02	370																				
14-8	maa		0:02	370	6:21	130	12:24	390	18:58	110																						
15-8	din		1:01	380	7:17	120	13:17	400	19:48	100																						
16-8	woe	11:38 NM	1:50	380	8:03	110	14:00	410	20:31	90																						
17-8	don		2:30	380	8:43	110	14:36	410	21:07	90																						
18-8	vry		3:02	370	9:17	110	15:06	410	21:39	100																						
19-8	zat		3:29	370	9:46	110	15:33	410	22:07	100																						
20-8	zon		3:54	370	10:13	110	15:59	410	22:33	100																						
21-8	maa		4:18	380	10:40	100	16:27	410	23:01	90																						
22-8	din		4:45	380	11:09	100	16:57	410	23:32	90																						
23-8	woe		5:15	380	11:43	100	17:31	410	0:09	100																						
24-8	don	11:57 EK			0:09	100	5:51	380	12:24	100	18:13	390																				
25-8	vry				0:53	110	6:37	370	13:13	120	19:07	370																				
26-8	zat				1:47	140	7:44	350	14:15	140	20:27	350																				
27-8	zon				2:56	160	9:12	350	15:37	150	21:58	350																				
28-8	maa				4:20	160	10:32	370	17:07	140	23:16	360																				
29-8	din				5:42	140	11:42	390	18:24	110	0:25	380																				
30-8	woe		0:25	380	6:51	110	12:45	410	19:27	80																						
31-8	don	03:35 VM	1:27	400	7:49	90	13:44	440	20:20	50																						
1-9	vry		2:22	410	8:40	70	14:36	450	21:08	40																						
2-9	zat		3:10	420	9:25	50	15:23	460	21:51	40																						
3-9	zon		3:52	420	10:06	50	16:04	460	22:30	40																						
4-9	maa		4:29	420	10:43	50	16:42	450	23:06	50																						
5-9	din		5:04	420	11:19	50	17:19	440	23:41	60																						
6-9	woe		5:41	410	11:56	70	17:59	430	0:19	90																						
7-9	don	00:21 LK			0:19	90	6:22	400	12:37	90	18:46	400																				
8-9	vry				1:02	110	7:12	380	13:26	120	19:44	370																				
9-9	zat				1:54	140	8:15	360	14:29	150	20:57	350																				
10-9	zon				3:03	170	9:30	360	15:59	160	22:22	340																				
11-9	maa				4:40	170	10:50	370	17:35	140	23:38	360																				
12-9	din				6:01	150	11:57	390	18:36	120	0:37	370																				
13-9	woe		0:37	370	6:55	120	12:49	400	19:23	100																						
14-9	don		1:22	380	7:38	110	13:31	410	20:02	90																						
15-9	vry	03:40 NM	1:59	390	8:15	100	14:05	420	20:36	80																						
16-9	zat		2:30	390	8:48	90	14:35	420	21:07	80																						
17-9	zon		2:57	390	9:19	90	15:03	420	21:37	80																						

Referentievlak :LAT		lw	0:07 eerde 10 bron: https://gezeitenfisch.com/de/niedersachsen/hooksiel													
datum	dag	HW	lw	HW	lw	HW	HW	lw	HW	lw	HW	HW	lw	HW	lw	HW
18-9	maa	3:24 390	9:47 90	15:32 420	22:05 80		03:38 468	09:45 70	15:43 487	22:04 63		02:57 389	09:31 60	15:06 406	21:49 63	
19-9	din	3:50 390	10:16 90	16:02 420	22:34 90		04:08 466	10:15 70	16:14 482	22:32 72		03:28 387	10:00 60	15:40 401	22:17 69	
20-9	woe	4:18 390	10:45 90	16:32 410	23:05 90		04:36 460	10:43 80	16:45 473	22:59 88		04:02 381	10:29 70	16:14 393	22:46 81	
21-9	don	4:48 390	11:19 90	17:06 400	23:40 100		05:04 454	11:11 90	17:16 462	23:27 103		04:35 374	11:00 80	16:44 383	23:18 97	
22-9	vry 21:32 EK	5:22 380	11:58 100	17:46 380	0:22 120		05:35 451	11:45 100	17:52 450	00:02 110		05:04 370	11:36 100	17:06 375	23:57 111	
23-9	zat		0:22 120	6:05 370	12:45 120	18:38 350		00:02 110	06:16 447	12:28 122	18:42 434	05:31 369	12:21 110	17:50 363	00:47 120	
24-9	zon		1:14 150	7:10 350	13:47 150	20:02 330		00:50 130	07:15 440	13:28 139	19:58 418		00:47 120	06:39 364	13:24 122	19:26 349
25-9	maa		2:25 170	8:45 340	15:15 160	21:42 330		02:00 150	08:39 435	14:55 147	21:35 417		01:58 130	08:11 363	14:52 120	21:07 349
26-9	din		3:57 170	10:13 360	16:52 140	23:03 360		03:43 150	10:15 449	16:43 123	23:08 436		03:30 120	09:47 377	16:31 97	22:36 365
27-9	woe		5:25 140	11:25 400	18:07 100	0:10 390		05:17 120	11:36 477	18:03 85	00:23 459		04:59 100	11:07 399	17:48 70	23:49 381
28-9	don	0:10 390	6:34 100	12:28 430	19:07 60		00:23 459	06:29 90	12:41 502	19:07 58			06:12 70	12:11 418	18:58 53	00:48 390
29-9	vry 11:57 VM	1:09 410	7:29 70	13:25 450	19:58 40		01:23 472	07:28 70	13:36 516	20:01 46		00:48 390	07:16 60	13:04 428	19:56 46	
30-9	zat	2:01 430	8:18 50	14:16 460	20:44 30		02:14 473	08:18 60	14:24 520	20:47 45		01:36 389	08:09 50	13:49 430	20:44 47	
1-10	zon	2:47 430	9:02 40	15:02 460	21:26 30		02:59 468	09:02 50	15:08 517	21:28 47		02:17 385	08:54 50	14:29 428	21:24 51	
2-10	maa	3:28 430	9:43 40	15:42 450	22:03 40		03:38 463	09:41 50	15:49 508	22:04 51		02:53 383	09:34 50	15:08 421	21:59 56	
3-10	din	4:03 420	10:18 50	16:17 440	22:37 60		04:12 461	10:16 50	16:28 492	22:37 58		03:29 381	10:09 40	15:49 409	22:29 61	
4-10	woe	4:35 420	10:53 60	16:51 430	23:10 80		04:43 458	10:50 50	17:04 472	23:07 73		04:07 377	10:41 50	16:31 391	22:57 69	
5-10	don	5:07 410	11:28 70	17:28 410	23:45 90		05:13 451	11:23 60	17:40 448	23:38 95		04:44 369	11:13 60	17:12 370	23:27 84	
6-10	vry 15:48 LK	5:45 400	12:06 90	18:11 390	0:24 120		05:47 442	11:58 80	18:20 426	00:12 120		05:19 360	11:48 70	17:55 351	00:02 100	
7-10	zat		0:24 120	6:32 390	12:51 120	19:05 360		00:12 120	06:30 431	12:40 117	19:11 409		00:02 100	06:01 353	12:31 102	18:46 339
8-10	zon		1:12 150	7:30 370	13:50 150	20:15 340		00:58 150	07:27 422	13:38 150	20:23 401		00:48 130	07:00 351	13:31 128	19:54 336
9-10	maa		2:17 180	8:45 360	15:16 170	21:41 330		02:08 180	08:49 423	15:08 171	21:54 411		01:54 150	08:18 358	15:00 142	21:14 346
10-10	din		3:52 180	10:07 360	16:57 150	22:59 350		03:53 180	10:25 445	16:48 156	23:17 436		03:33 150	09:49 379	16:37 129	22:43 366
11-10	woe		5:23 160	11:15 380	17:59 120	23:57 370		05:19 160	11:37 476	17:57 125	00:17 459		05:07 130	11:08 404	17:45 105	23:46 384
12-10	don		6:18 130	12:08 400	18:44 100	0:41 380	00:17 459	06:18 130	12:29 493	18:47 101			06:05 110	12:00 418	18:34 88	00:29 392
13-10	vry	0:41 380	7:01 110	12:49 410	19:22 80		01:01 468	07:03 110	13:09 492	19:26 89		00:29 392	06:49 90	12:40 417	19:14 79	
14-10	zat 19:55 NM	1:17 400	7:38 90	13:24 420	19:58 70		01:35 467	07:40 90	13:41 484	19:59 83		01:03 390	07:27 80	13:13 408	19:48 75	
15-10	zon	1:49 400	8:13 80	13:58 430	20:31 70		02:05 465	08:12 80	14:11 478	20:29 76		01:32 387	08:01 70	13:42 400	20:20 70	
16-10	maa	2:21 410	8:47 80	14:32 430	21:04 70		02:35 467	08:43 80	14:43 479	21:01 70		01:58 388	08:33 70	14:08 397	20:50 68	
17-10	din	2:53 410	9:20 80	15:06 420	21:37 80		03:07 471	09:16 70	15:17 479	21:33 71		02:25 391	09:05 70	14:38 398	21:20 71	
18-10	woe	3:24 410	9:52 80	15:40 410	22:08 80		03:39 471	09:49 70	15:51 475	22:04 83		02:58 392	09:36 70	15:13 395	21:50 81	
19-10	don	3:56 400	10:24 80	16:13 400	22:41 100		04:10 469	10:20 90	16:24 465	22:34 100		03:35 390	10:07 80	15:49 387	22:21 95	
20-10	vry	4:28 390	10:59 90	16:49 380	23:17 110		04:42 465	10:53 100	16:58 451	23:05 114		04:11 386	10:41 90	16:23 375	22:54 107	
21-10	zat	5:04 390	11:39 110	17:31 360	23:59 130		05:17 462	11:30 110	17:40 436	23:43 127		04:45 383	11:19 100	16:58 363	23:35 118	
22-10	zon 05:29 EK	5:49 370	12:28 120	18:26 340	0:52 150		06:04 457	12:17 120	18:38 419	00:35 140		05:26 379	12:09 110	17:58 348	00:30 120	
23-10	maa		0:52 150	6:54 360	13:33 140	19:50 330		00:35 140	07:07 448	13:22 134	19:59 408		00:30 120	06:35 372	13:19 116	19:34 339
24-10	din		2:05 170	8:25 360	15:00 150	21:25 340		01:50 150	08:32 445	14:54 134	21:34 415		01:46 130	08:05 372	14:56 107	21:10 347
25-10	woe		3:35 170	9:51 380	16:30 120	22:42 360		03:34 150	10:03 461	16:30 108	22:59 438		03:24 120	09:37 387	16:21 82	22:27 366
26-10	don		5:00 140	11:02 410	17:42 90	23:47 390		04:59 120	11:19 487	17:41 78	00:08 460		04:45 90	10:51 408	17:32 63	23:33 381
27-10	vry		6:08 100	12:05 440	18:40 50	0:44 420	00:08 460	06:06 90	12:22 507	18:42 58	01:04 471		05:54 70	11:51 422	18:38 53	00:28 389
28-10	zat 22:24 VM	0:44 420	7:04 60	13:03 450	19:31 30		01:04 471	07:03 70	13:14 513	19:34 51		00:28 389	06:56 60	12:42 426	19:33 51	
29-10	zon	1:36 430	6:53 40	12:54 460	19:17 30		01:50 471	06:53 66	13:01 510	19:19 50		01:13 389	06:47 61	12:24 421	19:18 55	
30-10	maa	1:21 430	7:38 40	13:39 450	19:59 40		01:30 469	07:36 57	13:44 501	19:58 51		00:50 387	07:31 56	13:03 413	19:55 58	
31-10	din	2:01 430	8:18 50	14:19 440	20:36 60		02:06 469	08:14 49	14:25 490	20:34 55		01:22 386	08:09 50	13:43 403	20:25 60	

Referentievlak :LAT		lw	0:07 eerde 10 bron: https://gezeitenfisch.com/de/niedersachsen/hooksiel																															
datum	dag		HW		lw		HW		lw		HW		lw		HW		HW		lw		HW		lw		HW									
1-11	woe		2:36	420	8:55	60	14:54	420	21:09	80		02:39	469	08:50	46	15:05	476	21:06	64		01:59	386	08:42	47	14:26	391	20:54	65						
2-11	don		3:06	420	9:29	70	15:26	410	21:41	90		03:11	468	09:24	53	15:42	460	21:38	83		02:39	383	09:15	52	15:11	377	21:25	78						
3-11	vry		3:39	420	10:03	80	16:02	400	22:15	100		03:45	462	09:58	73	16:18	443	22:09	109		03:19	377	09:49	69	15:54	364	21:59	99						
4-11	zat		4:15	410	10:40	90	16:42	380	22:52	120		04:21	454	10:33	100	16:55	429	22:44	138		03:57	372	10:26	94	16:36	354	22:36	124						
5-11	zon	09:17 LK	4:59	400	11:23	120	17:30	360	23:37	140		05:02	449	11:13	128	17:41	418	23:26	165		04:36	371	11:08	119	17:22	348	23:20	147						
6-11	maa		5:51	380	12:16	140	18:29	340	0:34	170		05:54	445	12:06	154	18:43	412	00:25	187		05:26	374	12:03	138	18:21	348	00:17	163						
7-11	din				0:34	170	6:55	370	13:25	160	19:44	330			00:25	187	07:04	444	13:19	167	20:01	415		00:17	163	06:32	379	13:15	144	19:34	354			
8-11	woe				1:49	180	8:08	360	14:50	160	21:00	340			01:48	192	08:25	452	14:49	155	21:19	430		01:32	166	07:54	386	14:40	131	20:50	365			
9-11	don				3:17	170	9:18	370	16:02	140	22:01	360			03:17	172	09:39	464	16:00	126	22:22	447		03:07	149	09:12	396	15:50	106	21:53	377			
10-11	vry				4:24	140	10:13	390	16:53	110	22:47	380			04:24	140	10:36	470	16:53	101	23:11	457		04:16	120	10:11	399	16:44	86	22:42	383			
11-11	zat				5:13	110	10:59	410	17:36	80	23:28	400			05:15	113	11:21	468	17:36	87	23:50	462		05:06	96	10:57	395	17:29	75	23:23	384			
12-11	zon				5:56	90	11:41	420	18:16	70	0:07	410			05:56	95	11:59	465	18:14	79	00:25	466		05:48	81	11:37	389	18:07	71	23:59	386			
13-11	maa	10:27 NM	0:07	410	6:37	80	12:22	430	18:56	60	0:46	420	00:25	466	06:34	83	12:36	466	18:50	73				06:26	73	12:11	385	18:43	69	00:30	390			
14-11	din		0:46	420	7:16	70	13:03	430	19:34	70			01:00	472	07:11	76	13:15	470	19:27	71		00:30	390	07:03	69	12:43	387	19:18	70					
15-11	woe		1:24	420	7:55	70	13:44	420	20:12	80			01:37	478	07:48	74	13:54	471	20:05	75		01:01	395	07:40	71	13:16	388	19:53	76					
16-11	don		2:03	410	8:33	80	14:23	400	20:48	90			02:13	480	08:26	77	14:33	465	20:41	85		01:35	400	08:17	77	13:53	385	20:27	85					
17-11	vry		2:40	410	9:09	90	15:02	390	21:24	100			02:49	479	09:04	84	15:11	453	21:16	98		02:14	400	08:52	83	14:34	377	21:01	95					
18-11	zat		3:17	400	9:48	90	15:43	370	22:03	120			03:25	476	09:43	91	15:51	439	21:53	109		02:54	398	09:29	88	15:17	364	21:38	103					
19-11	zon	11:50 EK	3:57	390	10:30	100	16:28	360	22:47	130			04:06	474	10:25	96	16:38	425	22:36	118		03:37	394	10:13	91	16:08	351	22:23	109					
20-11	maa		4:46	390	11:22	120	17:25	350	23:41	140			04:56	469	11:16	101	17:38	413	23:30	129		04:27	389	11:08	94	17:15	340	23:23	114					
21-11	din		5:49	380	12:27	130	18:39	340	0:51	150			06:00	462	12:21	108	18:54	407	00:43	138		05:33	383	12:23	94	18:36	337	00:40	116					
22-11	woe				0:51	150	7:06	380	13:42	130	19:59	350			00:43	138	07:18	459	13:43	107	20:17	413		00:40	116	06:54	383	13:50	84	19:54	345			
23-11	don				2:10	150	8:24	390	14:59	110	21:12	370			02:10	134	08:39	467	15:02	93	21:34	428		02:08	106	08:14	392	15:00	69	21:02	357			
24-11	vry				3:28	120	9:35	410	16:09	80	22:17	390			03:27	117	09:51	479	16:09	77	22:40	442		03:21	91	09:22	401	16:05	61	22:05	366			
25-11	zat				4:37	90	10:39	430	17:10	60	23:16	410			04:33	98	10:53	484	17:08	65	23:35	449		04:27	80	10:21	402	17:09	59	23:00	371			
26-11	zon				5:36	70	11:39	440	18:03	50	0:09	430			05:32	82	11:47	481	18:01	60	00:20	452		05:32	70	11:13	397	18:05	59	23:44	372			
27-11	maa	10:16 VM	0:09	430	6:28	60	12:32	440	18:51	50	0:57	430	00:20	452	06:24	67	12:36	474	18:48	58	00:59	454		06:26	61	11:59	389	18:50	61	00:20	374			
28-11	din		0:57	430	7:16	50	13:20	430	19:35	70			00:59	454	07:10	54	13:22	467	19:30	59		00:20	374	07:10	53	12:42	382	19:26	63	00:55	377			
29-11	woe		1:39	420	7:58	60	14:01	410	20:14	80			01:35	459	07:51	47	14:06	462	20:08	65		00:55	377	07:48	48	13:27	377	19:57	65					
30-11	don		2:14	420	8:37	70	14:36	400	20:48	90			02:11	463	08:28	50	14:47	457	20:44	77		01:36	381	08:22	49	14:13	374	20:29	72					
1-12	vry		2:46	420	9:13	80	15:09	390	21:21	100			02:48	465	09:04	64	15:25	450	21:17	97		02:19	382	08:56	61	14:57	371	21:04	87					
2-12	zat		3:18	420	9:47	90	15:42	380	21:54	110			03:24	463	09:39	86	15:59	441	21:49	120		03:01	383	09:32	81	15:38	367	21:41	109					
3-12	zon		3:53	420	10:22	100	16:19	380	22:29	120			03:59	462	10:15	108	16:33	433	22:23	140		03:37	384	10:10	102	16:16	362	22:17	130					
4-12	maa		4:32	410	11:01	110	17:00	360	23:10	130			04:37	462	10:53	124	17:12	427	23:02	153		04:11	387	10:49	118	16:55	358	22:56	144					
5-12	din	06:49 LK	5:16	400	11:45	130	17:46	350	23:57	140			05:20	461	11:39	133	18:03	420	23:51	162		04:50	388	11:35	125	17:41	354	23:43	150					
6-12	woe		6:05	380	12:38	140	18:42	340	0:54	160			06:15	455	12:34	136	19:06	415	00:52	165		05:42	384	12:29	124	18:41	349	00:41	148					
7-12	don				0:54	160	7:04	370	13:40	150	19:47	340			00:52	165	07:21	445	13:40	132	20:13	416		00:41	148	06:46	375	13:32	117	19:51	348			
8-12	vry				2:01	160	8:10	370	14:47	140	20:53	350			02:04	158	08:29	438	14:50	121	21:17	422		01:48	139	08:02	366	14:40	105	20:57	352			
9-12	zat				3:12	150	9:13	390	15:50	120	21:50	380			03:17	140	09:32	434	15:51	106	22:13	433		03:06	122	09:14	362	15:44	93	21:52	359			
10-12	zon				4:16	120	10:09	400	16:46	100	22:41	400			04:19	119	10:27	435	16:43	94	23:01	444		04:12	101	10:09	362	16:36	83	22:40	368			
11-12	maa				5:12	100	11:01	420	17:36	80	23:29	410			05:11	101	11:16	441	17:30	84	23:46	457		05:03	85	10:57	365	17:23	77	23:23	378			
12-12	din				6:02	80	11:51	420	18:24	70	0:16	420			05:57	87	12:03	449	18:15	78	00:29	467		05:50	76	11:39	370	18:07	74	00:02	387			
13-12	woe	00:32 NM	0:16	420	6:50	80	12:40	420	19:10	80			00:29	467	06:43	79	12:50	454	19:00	76		00:02	387	06:35	71	12:19	373	18:50	74	00:39	394			
14-12	don		1:02	420	7:36	80	13:29	410	19:54	90			01:12	474	07:27	73	13:38	453	19:44	78		00:39	394	07:19</										

Referentievlak :LAT		lw		0:07 eerde10 bron: https://gezeitenfisch.com/de/niedersachsen/hooksiel																													
datum	dag	HW		lw		HW		lw		HW		lw		HW		HW		lw		HW		lw		HW									
15-12	vry	1:48	420	8:20	80	14:16	400	20:36	100			01:55	476	08:12	70	14:24	446	20:28	84			01:17	397	08:05	69	13:43	368	20:14	81				
16-12	zat	2:31	410	9:03	90	15:00	380	21:16	110			02:36	475	08:57	70	15:09	435	21:10	89			01:59	397	08:50	69	14:30	360	20:55	86				
17-12	zon	3:13	410	9:45	90	15:44	380	21:58	110			03:17	474	09:42	69	15:53	424	21:53	93			02:44	396	09:35	69	15:21	351	21:38	87				
18-12	maa	3:56	410	10:29	90	16:30	370	22:43	110			04:02	474	10:28	70	16:41	417	22:38	95			03:32	394	10:24	69	16:15	343	22:26	87				
19-12	din	4:44	410	11:19	90	17:21	370	23:34	120			04:53	474	11:19	74	17:35	411	23:30	100			04:25	392	11:19	69	17:13	338	23:22	87				
20-12	woe	5:40	410	12:14	100	18:21	360	0:33	120			05:52	470	12:16	80	18:40	406	00:31	107			05:24	389	12:22	69	18:17	334	00:28	89				
21-12	don			0:33	120	6:45	410	13:16	100	19:29	370			00:31	107	06:59	464	13:21	86	19:50	404			00:28	89	06:31	384	13:27	69	19:22	333		
22-12	vry			1:39	120	7:55	400	14:23	100	20:38	370			01:40	112	08:11	456	14:28	87	21:00	405			01:40	90	07:40	378	14:29	68	20:25	334		
23-12	zat			2:51	120	9:05	410	15:32	100	21:44	390			02:51	110	09:20	448	15:33	84	22:06	409			02:49	86	08:43	370	15:31	69	21:27	335		
24-12	zon			4:03	110	10:13	410	16:38	90	22:48	400			03:59	99	10:26	440	16:34	79	23:03	415			03:57	79	09:46	360	16:36	69	22:27	338		
25-12	maa			5:09	90	11:18	420	17:38	90	23:46	410			05:04	83	11:27	435	17:32	74	23:54	423			05:08	67	10:51	352	17:39	66	23:21	344		
26-12	din			6:07	80	12:16	410	18:30	90	0:37	410			06:02	66	12:22	434	18:25	70	00:38	432			06:08	53	11:50	350	18:29	64	00:07	352		
27-12	woe	0:37	410	6:59	80	13:06	410	19:18	90			00:38	432	06:53	55	13:11	437	19:13	71			00:07	352	06:56	46	12:40	353	19:10	65	00:49	361		
28-12	don	1:22	410	7:46	80	13:50	400	20:00	100			01:19	441	07:38	56	13:55	440	19:56	79			00:49	361	07:37	49	13:24	359	19:45	71				
29-12	vry	2:00	410	8:27	90	14:27	390	20:37	110			01:59	449	08:17	67	14:35	442	20:32	92			01:29	370	08:12	59	14:04	364	20:18	81				
30-12	zat	2:34	410	9:04	90	14:59	380	21:10	110			02:35	454	08:53	83	15:09	440	21:05	107			02:07	378	08:45	74	14:42	367	20:51	94				
31-12	zon	3:05	410	9:37	100	15:29	380	21:41	110			03:08	458	09:27	97	15:40	437	21:36	119			02:42	383	09:19	89	15:17	367	21:25	108				