

# Getijdengegevens 2018 bron: gezeiten-kalender.de

bron: getij.rws.nl

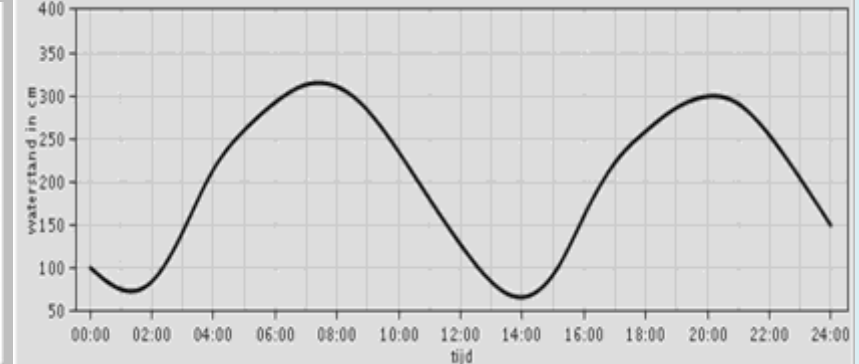
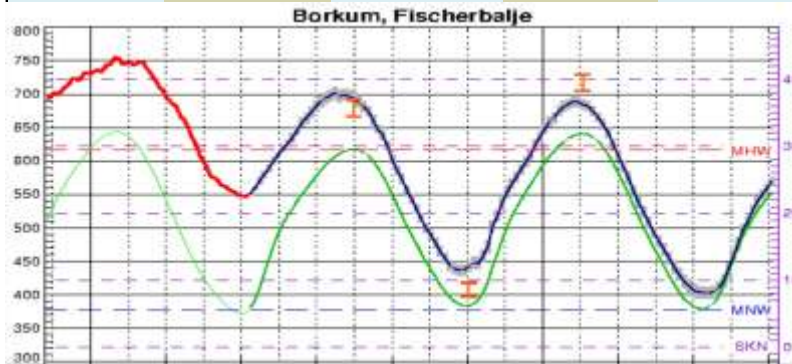
Referentievlak : LAT

**Borkum Fischerbalje** 53.5575° N, 6.7478° O  
LAT=NAP-167

**Eemshaven** 53.4500° N, 6.8333° O  
LAT=NAP-192

datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
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HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
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datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
1-1	maa					03:40	58	09:58	308	16:12	47	22:27	305
2-1	din					04:44	42	10:55	309	17:11	40	23:15	311
3-1	woe					05:48	25	11:48	309	18:09	33		
4-1	don			00:02	317	06:44	13	12:40	307	19:01	30		
5-1	vry	20:47	EK	00:49	320	07:35	10	13:29	301	19:50	34		
6-1	zat			01:37	320	08:23	18	14:18	292	20:35	44		
7-1	zon			02:24	316	09:09	32	15:05	283	21:19	55		
8-1	maa			03:12	311	09:53	46	15:53	277	22:04	65		
9-1	din			04:03	306	10:39	56	16:44	275	22:54	70		
10-1	woe			04:58	299	11:29	61	17:39	274	23:52	71		
11-1	don			05:59	292	12:24	62	18:39	275				
12-1	vry	12:34	VM			00:53	69	07:07	285	13:24	61	19:48	276
13-1	zat			01:59	65	08:22	280	14:29	61	20:56	281		
14-1	zon			03:14	60	09:26	278	15:34	60	21:46	287		
15-1	maa			04:12	56	10:14	279	16:22	60	22:22	296		
16-1	din			04:54	56	10:48	283	17:01	61	22:53	308		
17-1	woe			05:30	57	11:20	292	17:38	60	23:29	321		
18-1	don					06:05	57	11:56	302	18:14	59		
19-1	vry	23:13	LK	00:09	330	06:39	56	12:36	307	18:49	62		
20-1	zat			00:48	331	07:14	58	13:15	303	19:21	67		
21-1	zon			01:22	327	07:46	61	13:49	295	19:49	70		
22-1	maa			01:52	321	08:17	63	14:18	287	20:18	69		
23-1	din			02:25	317	08:49	61	14:52	283	20:54	64		
24-1	woe			03:04	316	09:28	59	15:33	282	21:39	62		
25-1	don			03:51	313	10:14	60	16:21	281	22:32	64		
26-1	vry			04:44	307	11:08	65	17:17	278	23:31	70		
27-1	zat			05:44	298	12:12	71	18:26	275				
28-1	zon	1:07	NM			00:41	74	07:01	290	13:33	70	19:54	277

		4:15	51	10:16	335	16:41	48	22:46	332
		5:19	41	11:10	335	17:46	46	23:36	337
		6:16	32	12:06	331	18:36	44		
0:26	340	7:03	26	12:56	326	19:22	42		
1:10	342	7:51	22	13:56	320	20:06	41		
2:06	342	8:36	23	14:36	315	20:48	41		
2:40	342	9:18	26	15:26	309	21:25	45		
3:36	337	10:01	35	16:11	303	22:08	52		
4:21	330	10:45	47	16:45	295	22:56	64		
5:16	319	11:36	61	17:51	290	23:56	77		
6:06	309	12:24	73	18:34	287				
		1:06	85	6:55	301	13:41	77	19:44	290
		2:17	84	8:15	300	14:46	75	20:55	299
		3:16	76	9:25	303	15:46	69	21:55	310
		4:15	67	10:04	306	16:36	64	22:35	319
		5:06	61	10:45	308	17:15	60	23:10	326
		5:42	57	11:36	309	17:50	57	23:35	330
		6:21	54	12:06	310	18:26	54		
0:20	334	6:56	51	12:35	310	19:05	51		
0:44	335	7:31	48	13:16	309	19:36	49		
1:35	335	8:06	48	13:50	307	20:06	49		
2:00	334	8:36	49	14:35	302	20:35	49		
2:46	330	9:05	51	15:06	298	21:16	51		
3:15	326	9:51	53	15:46	294	22:00	54		
4:06	321	10:35	58	16:25	291	22:50	60		
4:56	315	11:36	65	17:25	289	23:56	67		
6:00	310	12:40	69	18:45	292				
		1:15	68	7:36	310	13:55	66	20:16	303

Referentievlak : LAT				<b>Borkum Fischerbalje</b> LAT=NAP-167								<b>53.5575° N, 6.7478° O</b>				<b>Eemshaven</b> LAT=NAP-192				<b>53.4500° N, 6.8333° O</b>			
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
29-1	maa					02:06	66	08:32	290	14:48	59	21:12	287			2:35	59	8:55	317	15:10	58	21:20	318
30-1	din					03:21	49	09:46	296	15:55	46	22:12	298			3:50	47	10:06	324	16:26	51	22:26	330
31-1	woe					04:38	31	10:47	302	17:03	34	23:04	309			5:02	34	11:06	327	17:29	43	23:20	338
1-2	don					05:43	13	11:41	305	18:02	24	23:53	316			6:01	23	11:56	326	18:19	36		
2-2	vry					06:36	3	12:31	304	18:52	20			0:10	342	6:53	15	12:46	323	19:06	30		
3-2	zat			00:39	319	07:23	4	13:17	299	19:36	23			0:56	344	7:35	10	13:30	320	19:49	26		
4-2	zon	5:19	EK	01:23	319	08:05	15	13:59	292	20:17	32			1:40	345	8:16	11	14:16	316	20:26	25		
5-2	maa			02:05	315	08:44	30	14:38	286	20:54	41			2:25	342	8:56	16	14:44	310	21:06	28		
6-2	din			02:46	308	09:20	42	15:17	281	21:29	48			3:06	335	9:31	28	15:30	304	21:35	37		
7-2	woe			03:29	300	09:55	50	15:59	277	22:06	53			3:46	324	10:07	43	16:16	295	22:17	50		
8-2	don			04:17	291	10:37	57	16:48	273	22:57	59			4:25	310	10:39	59	16:56	288	22:55	66		
9-2	vry			05:12	279	11:31	65	17:43	270					5:04	296	11:25	76	17:45	283	23:44	83		
10-2	zat					00:00	67	06:15	269	12:34	74	18:45	269	6:10	286	12:25	89	18:35	282				
11-2	zon	1:33	VM			01:10	72	07:29	265	13:43	78	19:59	274			1:27	91	7:20	282	14:06	88	19:55	289
12-2	maa					02:26	72	08:54	269	14:54	75	21:11	287			2:35	82	8:34	286	15:08	76	21:05	301
13-2	din					03:38	66	09:52	279	15:53	69	21:58	301			3:45	68	9:56	295	16:00	64	22:10	314
14-2	woe					04:27	61	10:32	287	16:38	63	22:36	313			4:38	56	10:35	302	16:56	56	22:55	322
15-2	don					05:08	56	11:05	295	17:19	56	23:14	322			5:26	49	11:05	305	17:32	50	23:25	327
16-2	vry					05:45	50	11:41	301	17:57	50	23:52	326			6:06	43	11:56	308	18:16	45		
17-2	zat					06:22	44	12:19	302	18:32	46			0:06	331	6:41	37	12:26	311	18:46	39		
18-2	zon	20:33	LK	00:30	324	06:56	40	12:55	299	19:05	44			0:35	335	7:16	32	12:55	313	19:26	34		
19-2	maa			01:03	321	07:29	38	13:28	294	19:34	43			1:17	337	7:51	30	13:30	313	19:59	32		
20-2	din			01:34	317	07:59	39	13:57	290	20:02	40			1:46	337	8:26	33	14:15	309	20:36	34		
21-2	woe			02:06	316	08:29	40	14:28	288	20:36	39			2:20	333	8:55	38	14:33	304	21:06	37		
22-2	don			02:45	313	09:03	43	15:07	287	21:17	41			2:55	326	9:31	44	15:26	299	21:46	42		
23-2	vry			03:29	308	09:45	50	15:52	284	22:05	48			3:46	317	10:11	52	16:00	295	22:31	49		
24-2	zat			04:19	297	10:35	61	16:45	276	23:02	59			4:36	307	11:01	63	16:55	290	23:36	60		
25-2	zon			05:21	284	11:38	73	17:54	269					5:45	298	12:10	74	18:26	289				
26-2	maa	15:58	NM			00:14	66	06:49	275	13:12	75	19:30	270			0:55	65	7:04	296	13:36	74	19:51	299
27-2	din					01:54	58	08:23	278	14:34	61	20:55	283			2:15	56	8:41	305	14:56	63	21:05	314
28-2	woe					03:14	40	09:36	290	15:46	45	21:57	299			3:41	40	9:45	315	16:15	50	22:16	328
1-3	don					04:34	22	10:35	300	16:55	30	22:49	311			4:51	24	10:50	321	17:12	37	23:06	336
2-3	vry					05:32	7	11:27	305	17:50	20	23:37	318			5:48	12	11:34	321	18:06	27	23:55	340
3-3	zat					06:21	3	12:14	304	18:36	17					6:33	7	12:30	320	18:49	22		
4-3	zon			00:20	319	07:04	9	12:54	300	19:17	21			0:36	341	7:16	6	13:15	318	19:29	17		
5-3	maa	12:32	EK	01:01	316	07:41	20	13:30	295	19:52	26			1:15	340	7:53	9	13:45	316	20:03	15		
6-3	din			01:38	311	08:13	30	14:02	291	20:22	32			1:56	336	8:29	16	14:26	312	20:36	19		
7-3	woe			02:14	304	08:41	37	14:35	289	20:50	35			2:36	327	9:02	27	14:56	306	21:06	28		
8-3	don			02:51	296	09:09	44	15:11	286	21:22	41			3:11	314	9:26	41	15:15	298	21:41	41		
9-3	vry			03:33	285	09:46	55	15:55	282	22:04	53			3:46	299	9:58	55	16:06	291	22:16	57		
10-3	zat			04:23	274	10:32	72	16:50	277	23:01	71			4:14	285	10:36	71	16:56	284	22:55	74		
11-3	zon			05:23	264	11:34	92	17:51	275					5:20	274	11:26	87	17:55	280				

Referentievlak : LAT				Borkum Fischerbalje LAT=NAP-167								53.5575° N, 6.7478° O				Eemshaven LAT=NAP-192				53.4500° N, 6.8333° O			
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
12-3	maa		15:54 VM			00:12	87	06:31	261	12:50	103	19:00	279			0:15	90	6:24	268	12:50	97	19:16	283
13-3	din					01:33	91	07:52	266	14:10	99	20:19	292			1:45	87	8:06	273	14:31	85	20:24	294
14-3	woe					02:56	83	09:11	278	15:18	85	21:22	307			3:05	68	9:26	286	15:30	67	21:40	309
15-3	don					03:54	69	09:59	290	16:09	69	22:08	318			4:06	51	10:15	298	16:26	54	22:26	319
16-3	vry					04:38	55	10:39	296	16:52	55	22:50	321			4:49	39	10:56	305	17:09	44	23:16	324
17-3	zat					05:18	43	11:18	299	17:32	43	23:29	320			5:36	31	11:36	309	17:45	37	23:45	329
18-3	zon					05:56	33	11:56	298	18:10	35					6:15	23	12:10	313	18:32	29		
19-3	maa			00:06	317	06:33	27	12:32	297	18:44	29			0:21	333	6:56	19	12:34	315	19:09	22		
20-3	din		16:58 LK	00:40	316	07:07	24	13:04	296	19:16	26			0:56	335	7:36	18	13:15	316	19:46	20		
21-3	woe			01:13	316	07:39	26	13:34	297	19:46	24			1:25	334	8:05	22	13:45	314	20:22	22		
22-3	don			01:49	315	08:09	30	14:07	297	20:20	25			2:06	329	8:41	30	14:20	310	20:56	27		
23-3	vry			02:30	310	08:43	37	14:47	295	21:00	30			2:46	320	9:10	40	15:00	305	21:36	34		
24-3	zat			03:15	299	09:23	48	15:33	288	21:47	40			3:25	309	9:51	51	15:51	299	22:16	43		
25-3	zon			05:08	283	11:12	60	17:29	277	23:45	53			5:15	296	11:46	65	17:51	293				
26-3	maa			06:20	268	12:18	70	18:46	269							0:21	54	6:35	287	12:55	77	19:10	292
27-3	din					01:12	60	07:50	264	14:08	76	20:18	273			1:34	59	7:55	287	14:20	76	20:36	300
28-3	woe		4:57 NM			02:52	40	09:15	274	15:24	60	21:38	289			3:10	47	9:36	297	15:40	62	21:51	315
29-3	don					04:09	30	10:24	290	16:37	44	22:39	305			4:26	30	10:35	309	16:56	46	22:55	327
30-3	vry					05:22	10	11:21	301	17:43	29	23:31	316			5:32	15	11:36	315	17:58	32	23:46	332
31-3	zat					06:16	0	12:10	305	18:34	21					6:29	8	12:36	316	18:48	24		
1-4	zon			00:17	318	07:01	0	12:52	303	19:17	20			0:30	334	7:13	8	13:05	316	19:29	20		
2-4	maa			00:58	315	07:40	10	13:28	299	19:54	22			1:16	333	7:53	11	13:45	316	20:08	16		
3-4	din		20:39 EK	01:35	310	08:13	20	13:58	298	20:25	24			1:57	331	8:28	15	14:15	317	20:41	15		
4-4	woe			02:10	305	08:39	20	14:28	300	20:51	26			2:36	326	8:59	21	14:57	315	21:11	18		
5-4	don			02:45	299	09:04	30	15:01	301	21:18	30			3:06	316	9:26	30	15:26	310	21:36	27		
6-4	vry			03:22	293	09:34	40	15:37	299	21:51	41			3:45	302	9:51	40	15:56	303	22:06	39		
7-4	zat			04:00	284	10:08	60	16:16	296	22:30	59			4:16	288	10:21	52	16:20	296	22:45	52		
8-4	zon			04:45	276	10:47	80	17:04	292	23:19	80			4:35	276	10:56	64	17:16	288	23:26	66		
9-4	maa			05:39	268	11:39	100	18:02	290					5:46	266	11:46	78	18:04	282				
10-4	din					00:21	90	06:44	266	12:45	118	19:10	293			0:15	80	6:44	261	12:40	91	19:36	282
11-4	woe		8:08 VM			01:33	100	07:56	270	14:05	115	20:25	301			1:44	85	8:04	266	14:24	92	20:45	291
12-4	don					02:57	90	09:12	280	15:27	96	21:36	312			3:26	68	9:24	280	15:45	73	21:55	305
13-4	vry					04:07	70	10:15	291	16:29	73	22:31	319			4:26	48	10:35	295	16:46	56	22:57	316
14-4	zat					04:59	50	11:05	298	17:18	54	23:18	319			5:17	34	11:26	305	17:36	43	23:36	323
15-4	zon					05:44	30	11:49	299	18:02	41					6:06	24	12:05	311	18:21	33		
16-4	maa			00:01	315	06:26	20	12:30	298	18:42	31			0:26	327	6:49	17	12:46	315	19:06	24		
17-4	din			00:40	313	07:05	20	13:07	298	19:21	24			0:56	330	7:28	13	13:26	318	19:46	16		
18-4	woe			01:17	313	07:43	10	13:40	301	19:57	19			1:36	331	8:08	13	14:01	319	20:26	13		
19-4	don		11:57 LK	01:54	314	08:19	20	14:13	304	20:32	16			2:05	328	8:49	18	14:36	318	21:06	14		
20-4	vry			02:35	312	08:53	20	14:51	306	21:09	18			2:45	322	9:26	28	15:16	315	21:42	20		
21-4	zat			03:20	304	09:28	30	15:34	302	21:50	24			3:36	313	10:06	39	15:56	311	22:26	28		
22-4	zon			04:10	290	10:09	40	16:24	294	22:39	35			4:26	302	10:40	50	16:46	306	23:16	37		

Referentievlak : LAT				Borkum Fischerbalje LAT=NAP-167								53.5575° N, 6.7478° O				Eemshaven LAT=NAP-192				53.4500° N, 6.8333° O			
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
23-4	maa			05:11	274	11:00	60	17:25	285	23:44	47			5:26	291	11:24	63	17:45	302				
24-4	din			06:23	264	12:18	70	18:41	280							0:16	46	6:41	285	12:40	72	18:55	302
25-4	woe					01:27	40	07:41	265	13:58	68	20:02	286			1:29	46	7:56	287	14:05	70	20:15	308
26-4	don	14:16	NM			02:40	30	09:00	277	15:06	55	21:18	300			2:56	36	9:05	295	15:19	57	21:30	318
27-4	vry					03:51	20	10:06	292	16:18	41	22:19	312			4:06	24	10:26	305	16:32	43	22:35	325
28-4	zat					05:01	10	11:01	302	17:23	29	23:10	316			5:11	15	11:15	311	17:36	33	23:25	327
29-4	zon					05:54	10	11:48	303	18:13	22	23:55	312			6:06	13	12:05	312	18:22	27		
30-4	maa					06:37	10	12:28	300	18:55	21			0:16	325	6:46	17	12:35	313	19:06	25		
1-5	din			00:34	305	07:14	20	12:59	298	19:31	22			0:45	323	7:25	21	13:15	316	19:42	23		
2-5	woe			01:10	300	07:43	20	13:28	302	20:00	23			1:26	321	7:56	26	13:46	320	20:15	22		
3-5	don	4:47	EK	01:46	299	08:07	20	14:00	308	20:25	25			2:06	316	8:27	29	14:26	320	20:46	25		
4-5	vry			02:24	298	08:36	30	14:37	313	20:55	33			2:41	307	8:56	34	14:45	316	21:16	32		
5-5	zat			03:02	295	09:09	40	15:14	313	21:29	49			3:05	294	9:26	42	15:26	309	21:46	42		
6-5	zon			03:41	290	09:42	70	15:52	311	22:06	68			3:46	282	9:56	51	16:06	301	22:16	52		
7-5	maa			04:21	283	10:17	90	16:33	309	22:51	85			4:26	272	10:26	59	16:40	295	22:55	60		
8-5	din			05:08	277	11:00	100	17:23	308	23:44	94			5:16	265	11:06	68	17:35	290	23:48	68		
9-5	woe			06:04	275	11:58	110	18:23	309					6:15	262	12:00	78	18:34	288				
10-5	don	23:43	VM			00:45	90	07:11	278	13:04	107	19:34	311			0:56	73	7:36	266	13:16	84	20:05	293
11-5	vry					01:54	80	08:23	285	14:17	92	20:47	315			2:15	65	8:46	278	14:45	76	21:10	304
12-5	zat					03:06	60	09:29	294	15:32	72	21:49	318			3:30	47	9:56	292	15:56	60	22:10	315
13-5	zon					04:09	40	10:27	300	16:34	54	22:42	317			4:30	32	10:46	304	16:56	45	23:07	322
14-5	maa					05:03	30	11:17	302	17:25	41	23:29	314			5:26	23	11:35	313	17:46	34	23:51	327
15-5	din					05:51	20	12:01	302	18:12	32					6:16	18	12:20	318	18:37	25		
16-5	woe			00:12	312	06:35	20	12:40	303	18:56	23			0:36	328	7:01	16	13:05	321	19:26	18		
17-5	don			00:54	312	07:18	10	13:16	307	19:39	15			1:16	327	7:46	16	13:40	323	20:12	13		
18-5	vry			01:38	312	08:00	10	13:53	311	20:21	10			2:06	323	8:32	21	14:26	323	20:56	13		
19-5	zat	2:33	LK	02:24	308	08:41	20	14:37	313	21:04	11			2:46	317	9:11	28	15:06	323	21:39	15		
20-5	zon			03:13	298	09:21	30	15:24	311	21:51	17			3:36	309	9:50	36	15:46	322	22:22	20		
21-5	maa			04:07	286	10:06	40	16:17	304	22:47	28			4:26	301	10:36	45	16:40	320	23:16	27		
22-5	din			05:07	274	11:02	50	17:19	298					5:26	294	11:26	54	17:46	317				
23-5	woe					00:01	30	06:12	269	12:23	62	18:27	296			0:11	32	6:25	290	12:30	60	18:46	316
24-5	don					01:12	30	07:21	271	13:35	58	19:38	299			1:16	34	7:41	291	13:40	61	19:56	317
25-5	vry	21:44	NM			02:14	30	08:33	280	14:38	50	20:51	306			2:26	31	8:45	295	14:56	55	20:55	319
26-5	zat					03:19	20	09:39	290	15:46	42	21:54	310			3:37	27	9:50	302	16:06	47	22:06	321
27-5	zon					04:30	20	10:35	296	16:56	33	22:47	307			4:41	24	10:55	307	17:06	40	22:55	320
28-5	maa					05:26	20	11:22	296	17:49	26	23:33	298			5:32	25	11:46	310	17:59	35	23:45	317
29-5	din					06:10	20	12:01	294	18:32	25					6:19	29	12:21	314	18:41	34		
30-5	woe			00:12	291	06:45	20	12:31	296	19:07	27			0:14	314	6:56	34	12:55	318	19:21	33		
31-5	don			00:48	290	07:14	30	13:01	305	19:36	30			1:06	312	7:31	36	13:26	323	19:56	33		
1-6	vry	14:42	EK	01:24	295	07:41	30	13:37	315	20:04	34			1:35	308	7:56	37	13:56	325	20:22	34		
2-6	zat			02:04	301	08:13	40	14:16	323	20:36	43			2:16	301	8:31	39	14:23	322	20:55	39		
3-6	zon			02:44	302	08:48	50	14:55	325	21:11	58			2:50	292	9:01	44	15:16	316	21:25	46		

Referentievlak : LAT				<b>Borkum Fischerbalje</b> LAT=NAP-167								<b>53.5575° N, 6.7478° O</b>				<b>Eemshaven</b> LAT=NAP-192				<b>53.4500° N, 6.8333° O</b>					
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm				
4-6	maa			03:23	297	09:22	70	15:31	323	21:47	73					3:35	282	9:31	50	15:40	310	22:01	52		
5-6	din			04:01	290	09:54	90	16:08	320	22:27	83					4:05	275	10:00	55	16:26	304	22:36	56		
6-6	woe			04:41	283	10:32	90	16:50	318	23:13	84					4:50	271	10:46	60	16:55	301	23:26	59		
7-6	don			05:29	280	11:22	90	17:42	316							5:35	269	11:36	66	17:44	299				
8-6	vry					00:06	70	06:26	281	12:20	90	18:41	314					0:16	61	6:40	271	12:35	71	19:06	300
9-6	zat	15:10	VM			01:05	70	07:33	285	13:24	82	19:50	313					1:19	58	7:44	277	13:46	71	20:04	305
10-6	zon					02:10	60	08:43	291	14:34	72	21:01	313					2:35	49	9:06	289	15:06	62	21:26	313
11-6	maa					03:17	40	09:46	298	15:44	60	22:02	313					3:40	37	9:55	302	16:05	49	22:20	322
12-6	din					04:19	40	10:42	302	16:45	48	22:57	312					4:46	29	11:06	313	17:11	38	23:21	327
13-6	woe					05:14	30	11:31	304	17:41	37	23:47	311					5:41	25	11:56	321	18:11	29		
14-6	don					06:06	20	12:15	306	18:34	25					0:16	327	6:36	24	12:35	326	19:06	22		
15-6	vry			00:37	309	06:57	20	12:57	310	19:26	14					1:06	325	7:26	25	13:20	329	19:56	15		
16-6	zat			01:27	307	07:46	20	13:40	315	20:17	7					1:50	321	8:13	26	14:11	331	20:42	12		
17-6	zon	13:33	LK	02:17	302	08:34	20	14:27	317	21:07	6					2:46	315	8:59	28	14:55	333	21:32	11		
18-6	maa			03:07	295	09:21	20	15:17	317	21:58	13					3:36	310	9:42	31	15:45	334	22:16	11		
19-6	din			04:00	286	10:10	30	16:09	314	22:52	22					4:20	306	10:29	35	16:30	334	23:02	16		
20-6	woe			04:55	279	11:04	40	17:05	310	23:48	31					5:16	301	11:16	41	17:26	331	23:52	23		
21-6	don			05:53	276	12:04	50	18:06	306							6:05	297	12:06	49	18:26	326				
22-6	vry					00:45	30	06:52	276	13:05	54	19:10	304					0:51	31	7:05	294	13:05	56	19:15	320
23-6	zat					01:41	30	07:57	279	14:05	52	20:18	301					1:50	37	8:16	293	14:16	59	20:25	316
24-6	zon	4:31	NM			02:40	30	09:05	283	15:09	47	21:25	298					2:56	41	9:15	297	15:26	57	21:24	313
25-6	maa					03:47	30	10:06	287	16:24	41	22:24	293					3:55	42	10:25	303	16:30	52	22:36	312
26-6	din					04:53	30	10:56	290	17:23	34	23:14	287					4:55	42	11:16	310	17:26	47	23:26	311
27-6	woe					05:41	30	11:37	292	18:08	34	23:56	284					5:46	43	11:56	316	18:19	44		
28-6	don					06:19	40	12:09	298	18:45	39					0:06	309	6:36	45	12:26	322	18:56	44		
29-6	vry			00:32	287	06:51	40	12:41	310	19:17	44					0:34	306	7:07	46	13:07	326	19:36	44		
30-6	zat			01:07	296	07:22	40	13:17	323	19:48	49					1:15	304	7:41	45	13:36	329	20:06	44		
1-7	zon	2:51	EK	01:45	304	07:57	50	13:57	331	20:21	56					1:45	300	8:10	45	14:04	328	20:41	45		
2-7	maa			02:25	307	08:31	60	14:35	332	20:55	65					2:35	296	8:46	47	14:45	325	21:16	48		
3-7	din			03:04	301	09:03	70	15:11	328	21:29	73					3:16	290	9:16	50	15:20	321	21:42	51		
4-7	woe			03:40	292	09:33	80	15:43	323	22:03	76					3:45	285	9:45	52	16:06	316	22:16	53		
5-7	don			04:14	285	10:07	80	16:20	319	22:43	75					4:26	281	10:20	54	16:25	313	22:56	54		
6-7	vry			04:54	282	10:50	80	17:05	317	23:29	71					4:54	279	11:06	57	17:26	311	23:46	55		
7-7	zat			05:42	282	11:42	70	17:58	314							5:44	279	12:01	61	18:05	310				
8-7	zon					00:22	60	06:38	284	12:41	78	18:57	311					0:40	56	6:35	281	13:00	65	19:04	309
9-7	maa	6:07	VM			01:22	60	07:46	288	13:47	77	20:07	308					1:46	56	7:54	288	14:09	64	20:24	312
10-7	din					02:31	60	09:02	293	15:01	70	21:22	308					3:06	50	9:26	301	15:31	55	21:46	320
11-7	woe					03:41	50	10:09	300	16:12	58	22:30	309					4:05	42	10:14	314	16:35	45	22:50	326
12-7	don					04:43	40	11:07	306	17:17	44	23:32	309					5:11	38	11:26	325	17:46	36	23:50	328
13-7	vry					05:44	30	11:58	311	18:22	29							6:16	36	12:26	332	18:52	27		
14-7	zat			00:29	308	06:43	30	12:46	316	19:20	15					0:51	326	7:12	34	13:11	337	19:46	19		
15-7	zon			01:21	306	07:38	20	13:33	321	20:13	6					1:40	322	8:02	31	14:01	340	20:33	12		



Referentievlak : LAT				Borkum Fischerbalje LAT=NAP-167				53.5575° N, 6.7478° O				Eemshaven LAT=NAP-192				53.4500° N, 6.8333° O							
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm		
16-7	maa	21:26	LK	02:11	303	08:28	20	14:20	324	21:02	7			2:36	318	8:48	28	14:46	342	21:16	8		
17-7	din			03:00	297	09:15	20	15:07	325	21:49	15			3:20	315	9:32	27	15:31	344	22:03	9		
18-7	woe			03:48	292	10:01	30	15:56	322	22:35	27			4:11	312	10:12	28	16:16	342	22:43	15		
19-7	don			04:36	286	10:46	40	16:46	317	23:21	39			4:55	307	10:56	34	17:05	337	23:29	26		
20-7	vry			05:26	282	11:35	50	17:39	309					5:46	301	11:41	44	17:50	328				
21-7	zat					00:10	40	06:18	280	12:29	58	18:37	300			0:16	41	6:36	295	12:36	58	18:35	316
22-7	zon					01:02	50	07:15	279	13:28	60	19:41	292			1:16	55	7:26	291	13:30	69	19:45	307
23-7	maa	11:45	NM			02:00	50	08:21	280	14:32	58	20:54	287			2:10	63	8:14	292	14:46	73	20:44	302
24-7	din					03:03	50	09:33	286	15:47	54	22:03	287			3:26	65	9:25	299	15:56	68	21:54	303
25-7	woe					04:15	50	10:32	296	16:56	48	23:00	289			4:14	61	10:46	310	17:06	60	23:06	306
26-7	don					05:12	50	11:18	305	17:45	48	23:45	292			5:15	56	11:31	320	17:56	54	23:50	307
27-7	vry					05:55	50	11:54	314	18:24	53					6:06	54	11:55	325	18:39	51		
28-7	zat			00:19	296	06:31	50	12:25	324	18:59	58			0:30	306	6:49	53	12:47	329	19:16	51		
29-7	zon			00:51	303	07:06	60	13:00	334	19:32	60			1:06	304	7:20	52	13:16	332	19:51	49		
30-7	maa	17:23	EK	01:26	309	07:41	60	13:38	339	20:06	61			1:35	304	7:56	50	13:57	333	20:26	48		
31-7	din			02:04	310	08:14	60	14:14	338	20:38	63			2:10	304	8:29	48	14:26	333	20:59	47		
1-8	woe			02:42	305	08:44	70	14:48	332	21:09	67			2:45	302	8:55	49	15:00	331	21:26	50		
2-8	don			03:16	297	09:13	70	15:19	326	21:40	69			3:26	298	9:31	50	15:35	327	22:06	53		
3-8	vry			03:46	290	09:43	70	15:53	322	22:14	70			3:56	294	10:06	52	16:06	323	22:36	55		
4-8	zat			04:20	288	10:21	70	16:34	319	22:54	71			4:25	291	10:40	54	16:46	319	23:10	57		
5-8	zon			05:03	289	11:08	70	17:22	316	23:43	74			5:10	290	11:36	59	17:36	315				
6-8	maa			05:54	290	12:03	80	18:19	311							0:06	62	6:06	289	12:26	65	18:30	311
7-8	din	20:11	VM			00:42	70	06:56	291	13:08	85	19:28	306			1:05	68	7:04	291	13:36	70	19:55	309
8-8	woe					01:53	80	08:17	293	14:29	81	20:53	304			2:14	69	8:46	301	14:55	65	21:15	315
9-8	don					03:13	70	09:42	302	15:50	66	22:15	308			3:41	61	9:44	316	16:16	54	22:37	323
10-8	vry					04:22	50	10:48	313	17:04	49	23:22	312			4:56	54	11:07	330	17:36	42	23:36	328
11-8	zat					05:29	40	11:43	322	18:14	31					5:56	47	12:01	340	18:36	30		
12-8	zon			00:19	314	06:33	30	12:33	329	19:11	18			0:35	328	6:58	40	12:56	344	19:31	20		
13-8	maa			01:10	312	07:27	30	13:20	333	20:00	13			1:26	325	7:46	34	13:41	347	20:15	14		
14-8	din			01:58	309	08:14	30	14:05	335	20:46	17			2:16	322	8:31	29	14:26	348	21:01	13		
15-8	woe	3:15	LK	02:43	305	08:58	30	14:49	333	21:28	28			2:54	319	9:13	26	15:16	347	21:41	16		
16-8	don			03:25	300	09:39	40	15:32	328	22:07	41			3:45	316	9:51	28	15:50	343	22:19	26		
17-8	vry			04:06	295	10:18	50	16:16	318	22:45	53			4:14	310	10:29	35	16:24	333	22:55	40		
18-8	zat			04:48	290	10:57	50	17:03	307	23:25	63			4:55	303	11:06	48	17:05	320	23:30	57		
19-8	zon			05:35	287	11:44	60	17:57	295					5:46	296	11:45	64	18:06	307				
20-8	maa					00:14	70	06:28	284	12:43	75	18:58	285			0:16	75	6:36	291	12:40	81	19:06	295
21-8	din	20:30	NM			01:14	70	07:29	285	13:51	80	20:13	282			1:25	89	7:36	290	13:55	92	20:05	290
22-8	woe					02:21	80	08:49	293	15:07	80	21:38	288			2:36	91	8:34	296	15:26	87	21:24	293
23-8	don					03:35	80	10:03	309	16:26	73	22:41	299			3:56	82	10:05	309	16:30	73	22:46	302
24-8	vry					04:41	70	10:55	324	17:19	69	23:27	306			4:56	70	10:54	321	17:26	62	23:36	308
25-8	zat					05:29	70	11:33	333	18:00	68					5:40	62	11:46	329	18:16	57		
26-8	zon			00:00	309	06:08	70	12:05	339	18:36	68			0:16	309	6:22	59	12:20	332	18:50	54		

Referentievlak : LAT				Borkum Fischerbalje LAT=NAP-167								53.5575° N, 6.7478° O				Eemshaven LAT=NAP-192				53.4500° N, 6.8333° O			
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
27-8	maa			00:30	311	06:45	70	12:38	343	19:11	65			0:35	309	7:01	57	12:56	334	19:26	52		
28-8	din			01:03	314	07:19	60	13:14	344	19:44	60			1:16	311	7:39	53	13:31	337	20:02	48		
29-8	woe	10:13	EK	01:39	314	07:52	60	13:49	341	20:16	58			1:50	313	8:16	50	14:06	338	20:36	47		
30-8	don			02:15	311	08:22	60	14:22	336	20:46	61			2:26	313	8:42	48	14:36	337	21:12	49		
31-8	vry			02:48	305	08:50	60	14:53	331	21:15	66			2:56	310	9:16	50	15:06	333	21:36	55		
1-9	zat			03:17	301	09:19	70	15:27	327	21:45	71			3:26	306	9:49	53	15:46	327	22:11	60		
2-9	zon			03:49	300	09:55	70	16:08	322	22:22	77			3:55	302	10:26	57	16:21	321	22:34	66		
3-9	maa			04:31	300	10:39	70	16:55	315	23:10	85			4:35	299	11:06	62	17:05	313	23:36	74		
4-9	din			05:21	298	11:34	80	17:53	306					5:14	296	11:56	71	18:05	305				
5-9	woe					00:08	90	06:24	296	12:40	93	19:08	298			0:30	84	6:34	295	13:16	79	19:24	301
6-9	don	9:03	VM			01:24	90	07:50	296	14:11	89	20:43	299			1:56	89	8:04	303	14:40	74	21:06	309
7-9	vry					02:56	80	09:22	307	15:39	71	22:05	308			3:16	80	9:24	319	16:00	59	22:21	321
8-9	zat					04:07	70	10:30	322	16:56	52	23:09	317			4:36	67	10:47	335	17:16	44	23:25	328
9-9	zon					05:17	50	11:25	334	18:03	36					5:46	55	11:40	345	18:21	31		
10-9	maa			00:03	321	06:20	40	12:14	340	18:56	28			0:26	329	6:38	45	12:30	349	19:13	25		
11-9	din			00:52	319	07:11	40	12:59	342	19:42	29			1:16	327	7:30	39	13:16	349	19:56	23		
12-9	woe			01:36	316	07:55	40	13:42	340	20:23	35			1:55	325	8:11	34	14:00	348	20:38	26		
13-9	don	8:25	LK	02:15	311	08:35	40	14:22	335	21:00	46			2:24	322	8:48	32	14:47	344	21:13	32		
14-9	vry			02:51	308	09:11	50	15:01	326	21:33	56			3:05	319	9:25	34	15:20	337	21:45	43		
15-9	zat			03:27	304	09:44	50	15:41	314	22:02	66			3:46	314	9:59	43	16:06	324	22:16	57		
16-9	zon			04:04	300	10:15	60	16:23	301	22:35	78			4:25	307	10:31	56	16:36	310	22:46	72		
17-9	maa			04:47	297	10:54	80	17:13	290	23:19	93			4:44	300	11:05	72	17:15	296	23:19	87		
18-9	din			05:39	294	11:49	90	18:13	282					5:46	294	11:56	90	18:16	284				
19-9	woe					00:19	110	06:40	295	13:01	109	19:23	280			0:10	103	6:46	291	12:44	106	19:20	279
20-9	don	7:30	NM			01:34	120	07:52	303	14:23	112	20:57	289			1:35	114	7:55	294	14:35	104	20:44	283
21-9	vry					02:54	110	09:19	318	15:47	103	22:09	303			3:15	103	9:14	305	15:55	87	22:04	296
22-9	zat					04:05	100	10:19	335	16:45	90	22:56	312			4:16	86	10:35	320	16:56	71	23:06	308
23-9	zon					04:57	90	11:00	344	17:28	81	23:29	316			5:16	73	11:21	330	17:35	61	23:45	313
24-9	maa					05:39	80	11:36	346	18:06	73					5:57	66	11:56	334	18:21	56		
25-9	din			00:01	316	06:17	70	12:10	344	18:42	65			0:20	316	6:36	61	12:36	336	19:02	52		
26-9	woe			00:35	317	06:53	60	12:46	341	19:16	59			0:45	318	7:16	56	12:54	338	19:38	48		
27-9	don			01:12	317	07:28	60	13:21	339	19:50	57			1:31	321	7:46	51	13:36	340	20:12	47		
28-9	vry	4:53	EK	01:47	316	08:00	60	13:55	336	20:21	60			2:05	321	8:26	49	14:05	339	20:46	51		
29-9	zat			02:19	315	08:29	60	14:29	332	20:50	68			2:25	320	8:59	50	14:40	335	21:22	58		
30-9	zon			02:48	313	08:59	60	15:06	327	21:21	76			3:05	316	9:25	55	15:15	327	21:51	66		
1-10	maa			03:24	312	09:35	70	15:49	318	21:57	85			3:24	312	10:06	60	16:00	318	22:26	75		
2-10	din			04:07	309	10:19	80	16:39	306	22:44	95			4:15	308	10:46	67	16:55	307	23:06	85		
3-10	woe			05:00	304	11:15	80	17:43	293	23:45	105			5:16	303	11:46	77	18:06	297				
4-10	don			06:08	299	12:26	90	19:10	288							0:10	97	6:36	301	12:55	84	19:15	295
5-10	vry	20:40	VM			01:10	110	07:38	300	14:14	87	20:39	295			1:36	102	7:45	308	14:25	77	20:56	305
6-10	zat					02:46	90	09:05	313	15:31	68	21:54	310			3:05	90	9:21	324	15:45	60	22:00	318
7-10	zon					03:55	70	10:12	330	16:45	52	22:54	321			4:21	73	10:25	338	17:06	45	23:06	326

Referentievlak : LAT				Borkum Fischerbalje LAT=NAP-167								53.5575° N, 6.7478° O				Eemshaven LAT=NAP-192				53.4500° N, 6.8333° O			
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
8-10	maa					05:06	60	11:06	340	17:48	41	23:45	325			5:26	60	11:26	345	18:01	36		
9-10	din					06:05	50	11:53	343	18:37	37			0:06	328	6:21	50	12:06	347	18:48	34		
10-10	woe			00:30	323	06:53	50	12:36	341	19:20	41			0:46	327	7:06	45	12:57	345	19:33	37		
11-10	don			01:09	320	07:35	50	13:16	335	19:58	48			1:26	326	7:46	42	13:30	343	20:13	42		
12-10	vry	14:25	LK	01:44	317	08:12	50	13:55	328	20:29	55			2:00	326	8:26	41	14:04	337	20:46	49		
13-10	zat			02:17	316	08:44	50	14:33	319	20:56	64			2:24	324	9:02	45	14:45	328	21:16	57		
14-10	zon			02:50	315	09:11	60	15:11	308	21:22	75			2:55	320	9:26	53	15:26	315	21:46	68		
15-10	maa			03:26	313	09:41	70	15:50	298	21:55	91			3:35	314	9:58	64	15:45	300	22:06	79		
16-10	din			04:05	310	10:18	90	16:35	290	22:35	111			4:10	307	10:30	78	16:24	287	22:40	91		
17-10	woe			04:52	309	11:06	110	17:30	284	23:26	131			4:55	300	11:16	93	17:14	277	23:19	104		
18-10	don			05:52	310	12:09	120	18:38	284					5:55	294	12:06	107	18:35	272				
19-10	vry	21:12	NM			00:34	140	07:00	314	13:26	131	19:52	290			0:15	118	7:10	294	13:30	113	19:55	276
20-10	zat					01:55	140	08:16	324	14:52	121	21:07	301			2:04	120	8:30	302	15:06	98	21:15	289
21-10	zon					03:15	120	09:24	336	15:58	101	22:04	312			3:36	102	9:46	315	16:05	79	22:20	304
22-10	maa					04:15	100	10:16	342	16:46	84	22:47	318			4:31	84	10:25	326	16:59	65	23:05	314
23-10	din					05:02	80	10:59	342	17:28	71	23:27	320			5:19	72	11:26	333	17:46	57	23:56	320
24-10	woe					05:44	70	11:39	338	18:07	62					6:00	64	11:55	337	18:26	52		
25-10	don			00:06	320	06:23	60	12:17	335	18:45	57			0:26	324	6:46	57	12:36	339	19:09	48		
26-10	vry			00:43	321	07:01	60	12:54	333	19:21	56			1:00	327	7:26	51	13:10	340	19:46	48		
27-10	zat			01:18	322	07:37	50	13:31	332	19:56	59			1:36	328	8:06	48	13:46	338	20:26	52		
28-10	zon	0:22	EK	01:50	323	07:11	59	13:09	328	19:29	66			2:00	328	7:41	49	13:20	333	20:02	59		
29-10	maa			01:23	323	07:45	62	13:52	320	20:02	74			1:35	326	8:22	53	13:55	324	20:30	68		
30-10	din			02:04	321	08:23	66	14:39	308	20:40	83			2:15	323	8:59	59	14:50	314	21:16	78		
31-10	woe			02:51	316	09:09	72	15:35	294	21:29	94			3:05	318	9:46	67	15:50	303	22:01	88		
1-11	don			03:48	309	10:07	81	16:45	284	22:32	104			4:05	313	10:41	75	17:00	295	23:07	99		
2-11	vry			05:00	304	11:33	85	18:05	283					5:26	311	11:56	79	18:25	294				
3-11	zat					00:10	106	06:22	306	13:05	74	19:24	293			0:20	101	6:46	316	13:09	71	19:36	302
4-11	zon	6:23	VM			01:30	92	07:42	317	14:14	60	20:36	307			1:46	91	7:45	326	14:31	58	20:46	313
5-11	maa					02:37	78	08:50	329	15:24	50	21:34	318			2:56	76	9:00	336	15:37	49	21:35	320
6-11	din					03:48	66	09:44	335	16:26	43	22:23	322			4:00	64	9:56	340	16:36	44	22:36	324
7-11	woe					04:47	56	10:31	333	17:14	41	23:06	320			4:59	56	10:40	340	17:26	46	23:26	325
8-11	don					05:34	50	11:14	327	17:56	45	23:41	318			5:42	52	11:26	337	18:08	50	23:56	327
9-11	vry					06:14	48	11:53	320	18:30	51					6:26	51	11:54	334	18:42	55		
10-11	zat	21:36	LK	00:13	319	06:49	49	12:32	315	18:58	58			0:26	330	7:06	51	12:40	329	19:16	59		
11-11	zon			00:46	322	07:18	54	13:10	310	19:22	65			0:55	331	7:36	53	13:15	320	19:46	64		
12-11	maa			01:21	324	07:45	64	13:48	306	19:52	79			1:24	328	8:00	59	13:56	308	20:06	70		
13-11	din			01:57	324	08:16	78	14:26	300	20:26	97			2:05	322	8:30	68	14:25	295	20:36	78		
14-11	woe			02:34	324	08:52	95	15:07	294	21:02	117			2:46	314	9:06	79	14:54	284	21:11	86		
15-11	don			03:15	323	09:35	111	15:54	290	21:46	132			3:26	307	9:46	89	15:56	276	21:51	95		
16-11	vry			04:05	323	10:27	122	16:52	288	22:41	141			4:04	301	10:26	98	16:45	272	22:46	105		
17-11	zat			05:06	322	11:29	124	17:59	290	23:46	139			5:10	298	11:25	104	17:54	273	23:46	112		
18-11	zon	12:42	NM	06:16	324	12:37	116	19:06	297					6:36	300	12:44	101	19:05	282				



Referentievlak : LAT				Borkum Fischerbalje LAT=NAP-167								53.5575° N, 6.7478° O				Eemshaven LAT=NAP-192				53.4500° N, 6.8333° O			
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
19-11	maa					00:59	127	07:25	327	13:49	100	20:08	306			1:15	109	7:46	309	14:05	85	20:15	296
20-11	din					02:13	108	08:26	329	14:50	81	21:02	314			2:35	93	8:45	320	15:06	69	21:25	310
21-11	woe					03:13	88	09:18	329	15:41	68	21:51	318			3:31	77	9:46	329	16:01	57	22:16	320
22-11	don					04:03	74	10:04	328	16:26	59	22:35	321			4:20	65	10:26	335	16:46	51	22:56	327
23-11	vry					04:49	64	10:47	326	17:10	54	23:14	322			5:16	56	11:06	338	17:36	48	23:24	330
24-11	zat					05:33	56	11:29	325	17:52	53	23:49	323			5:56	49	11:55	337	18:15	48		
25-11	zon					06:16	50	12:10	323	18:33	54			0:10	333	6:46	45	12:35	334	19:06	51		
26-11	maa	18:03	EK		00:24	325	06:57	47	12:54	318	19:12	57		0:35	333	7:26	43	13:10	329	19:42	56		
27-11	din				01:03	326	07:38	46	13:42	310	19:52	63		1:20	334	8:11	46	13:55	321	20:26	63		
28-11	woe				01:49	325	08:21	49	14:33	298	20:34	70		2:16	332	8:56	50	14:57	312	21:12	70		
29-11	don				02:40	320	09:11	55	15:31	287	21:24	79		2:54	329	9:42	55	15:45	304	21:56	78		
30-11	vry				03:39	314	10:14	62	16:36	280	22:30	88		4:00	326	10:36	61	16:50	298	22:56	85		
1-12	zat				04:46	308	11:33	65	17:45	279	23:55	90		5:06	323	11:35	65	17:55	296				
2-12	zon				05:58	307	12:42	61	18:57	285						0:06	89	6:16	322	12:45	64	19:15	298
3-12	maa	16:47	VM			01:05	82	07:13	309	13:45	56	20:08	294			1:15	85	7:25	324	13:56	60	20:05	304
4-12	din					02:09	73	08:23	313	14:53	51	21:08	302			2:26	77	8:24	327	15:06	56	21:21	312
5-12	woe					03:21	64	09:21	313	15:59	46	21:58	305			3:35	68	9:36	329	16:06	54	22:16	317
6-12	don					04:25	52	10:11	308	16:49	44	22:40	306			4:36	61	10:26	328	16:56	55	22:44	322
7-12	vry					05:13	45	10:55	303	17:31	47	23:15	308			5:21	56	10:54	326	17:42	58	23:25	327
8-12	zat					05:54	44	11:34	300	18:05	53	23:47	313			6:06	55	11:40	324	18:16	61	23:55	332
9-12	zon					06:28	47	12:12	301	18:31	59					6:41	55	12:15	320	18:46	62		
10-12	maa	8:51	LK		00:20	320	06:57	54	12:50	304	18:57	66		0:24	335	7:10	56	12:44	313	19:16	63		
11-12	din				00:57	327	07:25	64	13:27	305	19:30	78		1:10	334	7:46	60	13:30	305	19:40	65		
12-12	woe				01:34	330	07:56	76	14:05	303	20:04	94		1:34	328	8:16	66	13:55	295	20:15	70		
13-12	don				02:10	330	08:31	89	14:41	297	20:37	107		2:20	322	8:46	73	14:34	287	20:46	75		
14-12	vry				02:45	329	09:08	99	15:20	291	21:13	116		2:45	315	9:15	78	15:20	282	21:26	79		
15-12	zat				03:26	325	09:52	103	16:07	286	21:59	118		3:24	310	9:56	82	15:54	278	22:05	84		
16-12	zon				04:15	321	10:42	103	17:03	284	22:55	115		4:20	307	10:46	85	16:54	277	23:06	90		
17-12	maa				05:13	316	11:38	98	18:06	286	23:56	109		5:15	305	11:46	86	18:04	280				
18-12	din	7:30	NM		06:18	312	12:39	91	19:13	292						0:05	93	6:24	306	13:06	82	19:25	289
19-12	woe					01:03	100	07:27	311	13:45	80	20:15	300			1:25	89	7:35	312	14:10	70	20:36	302
20-12	don					02:14	87	08:31	313	14:48	68	21:12	308			2:36	76	8:44	322	15:16	58	21:30	316
21-12	vry					03:18	73	09:28	314	15:45	59	22:03	313			3:46	63	9:57	330	16:11	50	22:25	326
22-12	zat					04:15	61	10:21	315	16:38	52	22:49	315			4:35	52	10:34	334	17:07	47	23:15	332
23-12	zon					05:09	49	11:11	313	17:29	48	23:30	317			5:36	44	11:30	334	17:56	46	23:56	336
24-12	maa					06:01	39	12:00	310	18:18	45					6:32	38	12:25	330	18:47	47		
25-12	din				00:11	319	06:51	31	12:49	305	19:06	44		0:36	338	7:16	34	13:05	325	19:36	48		
26-12	woe	10:20	EK		00:55	321	07:40	27	13:37	298	19:52	46		1:20	340	8:03	31	13:56	320	20:15	49		
27-12	don				01:43	321	08:29	28	14:28	291	20:38	50		2:11	341	8:52	32	14:46	314	21:02	51		
28-12	vry				02:34	319	09:19	35	15:21	283	21:28	57		2:56	340	9:36	35	15:46	308	21:46	56		
29-12	zat				03:28	314	10:13	44	16:18	277	22:24	65		3:45	336	10:26	42	16:36	302	22:36	63		
30-12	zon				04:28	307	11:12	52	17:18	274	23:30	70		4:46	330	11:16	51	17:30	297	23:36	71		
31-12	maa				05:32	300	12:11	56	18:21	273				5:35	322	12:16	60	18:36	293				