

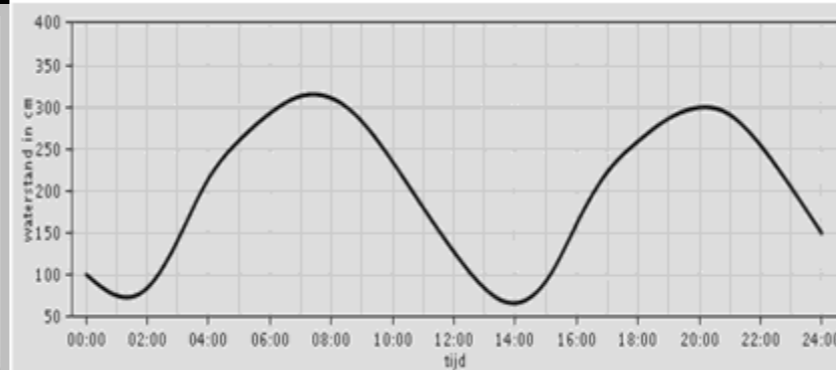
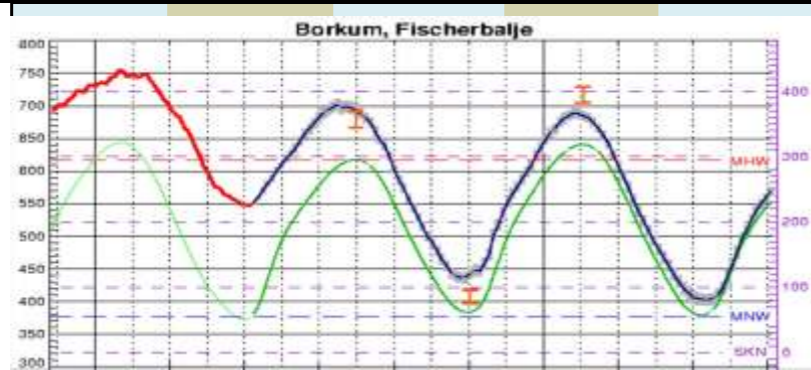
Getijdengegevens 2020 bron: gezeiten-kalender.de

bron: getij.rws.nl

Referentievlak :LAT
datum dag maan stand

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	lw	cm	HW	cm				
1-1	woe			02:18	318	08:45	93	14:51	284	20:44	104	2:46	324	9:06	66	15:05	285	21:10	70		
2-1	don			02:53	319	09:24	95	15:34	280	21:26	105	3:15	318	9:45	73	15:45	281	21:46	76		
3-1	vry			03:39	315	10:10	96	16:29	275	22:16	107	3:55	312	10:21	79	16:25	278	22:28	82		
4-1	zat			04:36	305	11:03	97	17:30	271	23:14	108	4:40	306	11:08	84	17:14	277	23:16	90		
5-1	zon	5:45	EK	05:42	294	12:02	99	18:30	270			5:31	301	12:04	88	18:23	279	0:15	95		
6-1	maa					00:20	107	06:47	288	13:06	96	19:27	276	0:15	95	6:50	299	13:10	86	19:35	287
7-1	din					01:31	100	07:46	288	14:08	89	20:22	287	1:35	93	8:06	304	14:25	77	20:42	299
8-1	woe					02:35	88	08:41	293	15:03	79	21:15	300	2:44	81	9:06	313	15:26	66	21:35	313
9-1	don					03:32	75	09:35	300	15:54	68	22:06	311	3:51	66	10:00	321	16:16	57	22:30	324
10-1	vry	20:21	VM			04:28	63	10:30	306	16:46	60	22:55	317	4:46	55	10:50	325	17:11	52	23:05	330
11-1	zat					05:22	52	11:24	306	17:37	55	23:41	318	5:41	46	11:41	325	18:01	50	23:55	335
12-1	zon					06:13	43	12:14	302	18:25	52			6:36	40	12:26	322	18:49	49		
13-1	maa			00:23	317	07:00	35	13:00	296	19:09	49	0:35	338	7:21	34	13:10	319	19:36	48		
14-1	din			01:03	317	07:44	30	13:44	290	19:51	46	1:15	341	8:06	30	13:56	315	20:16	47		
15-1	woe			01:46	319	08:28	27	14:29	286	20:34	43	2:06	342	8:51	30	14:45	310	21:01	47		
16-1	don			02:32	320	09:11	29	15:17	282	21:17	44	2:56	341	9:35	34	15:30	305	21:46	51		
17-1	vry	13:59	LK	03:22	318	09:57	36	16:08	278	22:05	49	3:46	336	10:18	41	16:20	298	22:31	57		
18-1	zat			04:16	310	10:47	47	17:04	271	22:59	59	4:36	328	11:06	52	17:09	291	23:25	66		
19-1	zon			05:15	296	11:47	58	18:03	264			5:36	318	12:05	63	18:15	288	0:20	73		
20-1	maa					00:08	67	06:21	282	12:56	64	19:10	260	0:20	73	6:38	310	13:06	70	19:20	290
21-1	din					01:22	66	07:38	271	14:04	62	20:25	264	1:41	74	7:55	307	14:16	70	20:29	298
22-1	woe					02:35	58	08:55	270	15:17	55	21:27	275	2:55	67	9:05	310	15:26	65	21:42	311
23-1	don					03:57	44	09:56	276	16:22	46	22:19	289	4:06	55	10:11	314	16:31	58	22:36	323
24-1	vry	22:42	NM			04:55	32	10:49	283	17:13	43	23:04	300	5:07	44	11:06	315	17:26	54	23:21	330
25-1	zat					05:42	32	11:36	288	17:56	49	23:45	307	5:56	38	11:56	311	18:09	53		
26-1	zon					06:23	42	12:17	290	18:32	61			0:00	333	6:39	40	12:25	306	18:45	53
27-1	maa			00:22	311	06:59	57	12:51	290	19:01	73	0:30	334	7:15	43	13:00	302	19:19	51		
28-1	din			00:54	314	07:28	69	13:20	290	19:26	78	1:05	334	7:43	44	13:25	299	19:46	49		
29-1	woe			01:23	317	07:55	73	13:48	290	19:53	78	1:46	332	8:12	46	14:05	297	20:15	48		
30-1	don			01:53	319	08:23	72	14:21	289	20:24	76	2:10	329	8:46	50	14:30	295	20:46	50		
31-1	vry			02:26	317	08:54	70	14:57	284	20:57	75	2:46	323	9:16	55	15:00	292	21:15	53		
1-2	zat			03:03	309	09:28	73	15:38	276	21:35	78	3:19	316	9:45	60	15:25	289	21:51	57		
2-2	zon	2:41	EK	03:47	298	10:07	81	16:24	269	22:22	85	3:45	311	10:16	64	16:15	287	22:35	64		
3-2	maa			04:38	286	10:54	92	17:18	267	23:17	93	4:30	305	11:06	71	17:00	285	23:26	74		

Referentievlak :LAT				Borkum Fischerbalje 53.5575° N, 6.7478° O LAT=NAP-167								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
4-2	din			05:38	280	11:53	100	18:22	271			5:29	297	12:06	79	18:19	283	0:36	82		
5-2	woe					00:25	98	06:46	280	13:03	99	19:30	281	0:36	82	6:50	294	13:26	81	19:50	290
6-2	don					01:42	92	07:57	287	14:16	88	20:39	295	2:06	78	8:25	300	14:46	72	20:55	305
7-2	vry					02:55	77	09:10	295	15:23	72	21:45	306	3:14	63	9:35	310	15:46	60	22:06	319
8-2	zat					04:05	58	10:19	301	16:27	57	22:41	312	4:26	48	10:36	318	16:51	51	22:56	329
9-2	zon	8:33	VM			05:08	40	11:17	301	17:24	45	23:29	313	5:31	35	11:26	321	17:46	44	23:46	336
10-2	maa					06:01	25	12:07	298	18:14	35			6:21	24	12:16	321	18:36	36		
11-2	din			00:12	314	06:48	13	12:50	294	18:59	27	0:26	341	7:09	15	13:06	320	19:23	29		
12-2	woe			00:53	318	07:33	7	13:31	292	19:42	19	1:11	346	7:55	9	13:46	319	20:06	23		
13-2	don			01:35	323	08:15	7	14:12	292	20:23	16	1:55	348	8:36	9	14:31	316	20:48	22		
14-2	vry			02:20	325	08:56	13	14:56	289	21:03	18	2:36	345	9:18	16	15:10	311	21:29	27		
15-2	zat	23:17	LK	03:07	318	09:36	25	15:41	282	21:45	27	3:26	337	9:59	29	15:56	303	22:12	37		
16-2	zon			03:56	303	10:17	41	16:30	271	22:32	41	4:04	324	10:41	46	16:46	294	22:55	51		
17-2	maa			04:51	282	11:05	57	17:25	260	23:36	54	5:06	309	11:26	64	17:35	288	23:50	65		
18-2	din			05:55	262	12:18	69	18:30	253			6:00	296	12:36	78	18:34	287	1:15	73		
19-2	woe					00:57	59	07:16	253	13:37	68	19:55	259	1:15	73	7:15	290	13:53	80	20:02	293
20-2	don					02:17	53	08:42	260	14:58	60	21:08	277	2:30	65	8:50	295	15:06	70	21:21	308
21-2	vry					03:43	40	09:46	275	16:06	48	22:04	296	3:51	49	10:00	304	16:15	56	22:21	322
22-2	zat					04:40	31	10:40	288	16:57	44	22:50	309	4:55	35	11:05	308	17:09	47	23:15	328
23-2	zon	16:32	NM			05:25	34	11:24	293	17:38	50	23:29	313	5:41	30	11:40	307	17:51	45	23:46	330
24-2	maa					06:04	46	11:58	292	18:13	59	23:59	313	6:19	32	12:16	303	18:26	44		
25-2	din					06:36	56	12:23	291	18:40	62	0:15	330	6:51	35	12:35	302	18:59	40		
26-2	woe			00:27	315	07:03	57	12:48	294	19:04	58	0:44	332	7:21	35	13:05	304	19:29	35		
27-2	don			00:56	318	07:29	51	13:18	297	19:31	50	1:16	332	7:51	34	13:28	305	19:56	33		
28-2	vry			01:27	319	07:56	46	13:52	297	20:01	47	1:55	328	8:17	37	14:06	304	20:21	34		
29-2	zat			02:01	314	08:23	49	14:25	292	20:31	50	2:16	322	8:46	42	14:36	300	20:46	38		
1-3	zon			02:35	305	08:50	59	14:56	285	21:01	59	2:46	315	9:06	46	14:55	298	21:16	41		
2-3	maa	20:57	EK	03:11	296	09:20	73	15:30	280	21:37	71	3:15	309	9:43	50	15:25	296	22:00	46		
3-3	din			03:56	288	10:01	87	16:17	280	22:29	83	3:55	302	10:20	57	16:15	292	22:46	57		
4-3	woe			04:52	283	10:59	98	17:20	281	23:39	91	4:55	292	11:25	71	17:19	286	23:56	70		
5-3	don			06:00	282	12:14	101	18:35	286			6:11	284	12:35	82	18:47	287	1:16	72		
6-3	vry					01:00	88	07:18	285	13:37	91	19:59	295	1:16	72	7:58	288	14:05	77	20:31	300
7-3	zat					02:24	70	08:47	292	14:54	72	21:19	305	2:56	56	9:10	302	15:26	62	21:35	317
8-3	zon					03:41	48	10:03	298	16:04	54	22:19	310	4:11	37	10:16	313	16:36	48	22:36	329
9-3	maa	18:47	VM			04:48	28	11:00	299	17:05	39	23:08	313	5:11	22	11:11	318	17:32	36	23:26	337
10-3	din					05:42	14	11:48	297	17:56	27	23:51	316	6:04	10	12:05	320	18:22	25		
11-3	woe					06:29	4	12:29	296	18:41	15	0:15	342	6:53	2	12:46	321	19:06	14		
12-3	don			00:32	321	07:13	0	13:07	298	19:23	5	0:51	346	7:36	-2	13:35	321	19:51	7		
13-3	vry			01:15	326	07:54	0	13:47	300	20:04	1	1:36	346	8:15	0	14:11	320	20:29	6		
14-3	zat			02:00	324	08:32	8	14:28	298	20:43	5	2:20	341	8:55	11	14:45	315	21:07	12		
15-3	zon			02:46	311	09:07	23	15:11	289	21:22	17	3:00	330	9:32	26	15:25	308	21:46	25		
16-3	maa	10:34	LK	03:33	290	09:39	41	15:55	276	22:04	34	3:45	314	10:08	45	16:16	299	22:28	41		
17-3	din			04:25	266	10:18	60	16:47	264	23:03	53	4:35	297	10:55	65	17:00	292	23:20	59		
18-3	woe			05:29	248	11:24	79	17:53	258			5:35	282	11:50	82	18:05	288	0:34	71		
19-3	don					00:32	63	06:51	244	13:07	84	19:22	265	0:34	71	6:56	276	13:20	86	19:30	292

Referentievlak :LAT				Borkum Fischerbalje LAT=NAP-167								Eemshaven LAT=NAP-192											
				53.5575° N, 6.7478° O								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		
20-3	vry					01:54	61	08:25	259	14:32	74	20:46	287			2:16	63	8:35	283	14:46	73	21:03	306
21-3	zat					03:20	49	09:31	280	15:43	60	21:44	308			3:30	44	9:50	297	15:55	55	21:55	320
22-3	zon					04:17	40	10:24	294	16:33	53	22:30	317			4:31	29	10:35	304	16:46	43	22:46	326
23-3	maa					05:01	41	11:05	295	17:14	53	23:04	315			5:13	25	11:20	305	17:29	39	23:22	326
24-3	din	10:28	NM			05:37	47	11:32	290	17:47	55	23:30	311			5:51	28	11:56	303	18:05	38	23:44	326
25-3	woe					06:07	49	11:51	290	18:14	50	23:57	311			6:25	30	12:15	305	18:32	33		
26-3	don					06:34	42	12:17	296	18:40	39			0:20	328	6:55	28	12:40	310	19:05	28		
27-3	vry			00:29	314	07:02	33	12:51	303	19:09	31			0:50	328	7:22	26	13:12	312	19:32	25		
28-3	zat			01:05	315	07:30	32	13:28	304	19:40	34			1:20	324	7:51	29	13:35	310	19:56	28		
29-3	zon			01:40	309	08:57	40	15:01	298	21:09	46			1:56	316	9:16	35	14:54	305	21:26	32		
30-3	maa			03:14	300	09:20	60	15:27	293	21:35	60			3:23	308	9:41	40	15:30	302	21:56	35		
31-3	din			03:47	291	09:46	70	15:56	291	22:08	71			3:45	301	10:11	44	16:06	300	22:35	39		
1-4	woe	12:21	EK	04:29	285	10:25	80	16:43	292	23:00	80			4:36	293	10:55	53	16:55	295	23:25	49		
2-4	don			05:27	281	11:26	90	17:48	293					5:31	283	11:55	68	18:05	289	0:34	61		
3-4	vry					00:12	80	06:36	280	12:44	97	19:02	294			0:34	61	6:55	276	13:06	81	19:24	290
4-4	zat					01:35	70	07:58	282	14:08	87	20:27	299			2:06	63	8:35	282	14:34	78	21:01	302
5-4	zon					03:00	50	09:30	290	15:28	68	21:52	307			3:35	46	9:56	296	16:05	61	22:11	318
6-4	maa					04:16	30	10:42	298	16:38	51	22:53	313			4:45	28	10:56	309	17:06	45	23:06	330
7-4	din					05:23	20	11:38	300	17:41	38	23:42	316			5:46	14	11:50	316	18:09	31		
8-4	woe	4:35	VM			06:18	10	12:23	298	18:33	25			0:00	337	6:42	6	12:40	319	18:59	19		
9-4	don			00:26	319	07:06	0	13:03	299	19:20	12			0:44	340	7:28	1	13:20	321	19:46	9		
10-4	vry			01:09	323	07:49	0	13:41	303	20:03	1			1:31	340	8:13	1	14:06	322	20:29	3		
11-4	zat			01:55	323	08:29	0	14:21	307	20:44	0			2:20	338	8:53	5	14:46	322	21:09	2		
12-4	zon			02:41	315	09:06	10	15:02	304	21:23	2			3:01	330	9:29	15	15:26	319	21:49	9		
13-4	maa			03:27	298	09:38	20	15:43	295	22:00	18			3:46	317	10:05	30	16:02	313	22:26	22		
14-4	din			04:13	276	10:06	40	16:26	283	22:40	40			4:25	301	10:36	47	16:35	305	23:02	38		
15-4	woe	0:56	LK	05:04	256	10:43	60	17:16	275	23:36	62			5:15	285	11:21	64	17:35	298	23:56	56		
16-4	don			06:04	246	11:40	80	18:22	273					6:26	272	12:09	82	18:46	293	1:15	68		
17-4	vry					01:03	70	07:20	248	13:30	98	19:44	281			1:15	68	7:40	267	13:48	89	19:55	295
18-4	zat					02:21	70	08:53	264	14:52	89	21:11	301			2:34	62	9:08	274	15:10	76	21:25	304
19-4	zon					03:39	60	10:01	284	16:04	74	22:12	317			3:56	47	10:19	288	16:18	59	22:26	315
20-4	maa					04:41	50	10:53	294	16:59	61	22:57	319			4:51	34	11:10	299	17:11	47	23:10	321
21-4	din					05:26	40	11:32	292	17:41	54	23:31	312			5:39	29	11:45	303	17:56	42	23:44	321
22-4	woe					06:02	40	11:55	288	18:15	48	23:58	305			6:13	29	12:21	305	18:31	38		
23-4	don	4:26	NM			06:34	30	12:18	291	18:45	39			0:20	322	6:48	28	12:45	310	19:06	33		
24-4	vry			00:29	305	07:04	30	12:51	300	19:16	29			0:56	323	7:21	26	13:15	315	19:37	28		
25-4	zat			01:06	309	07:35	20	13:29	308	19:49	26			1:25	322	7:55	25	13:50	317	20:06	26		
26-4	zon			01:47	311	08:07	30	14:08	310	20:22	34			2:06	317	8:26	29	14:15	314	20:41	28		
27-4	maa			02:26	306	08:36	40	14:42	305	20:53	50			2:36	309	8:51	35	14:34	309	21:08	32		
28-4	din			03:01	296	09:01	60	15:10	300	21:22	64			3:00	301	9:16	41	15:04	306	21:40	35		
29-4	woe			03:36	287	09:29	80	15:41	300	21:58	70			3:35	292	9:55	47	15:56	303	22:20	39		
30-4	don	22:38	EK	04:20	280	10:11	80	16:30	301	22:52	70			4:25	284	10:35	55	16:41	300	23:10	46		
1-5	vry			05:17	278	11:14	80	17:32	302					5:25	276	11:31	67	17:55	296	0:21	54		
2-5	zat					00:01	60	06:26	278	12:26	83	18:44	303			0:21	54	6:50	273	12:46	77	19:10	299
3-5	zon					01:18	50	07:46	283	13:45	74	20:04	306			1:46	52	8:10	281	14:10	73	20:36	308

Referentievlak :LAT				Borkum Fischerbalje LAT=NAP-167								Eemshaven LAT=NAP-192											
				53.5575° N, 6.7478° O				53.4500° N, 6.8333° O															
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm						
4-5	maa					02:39	30	09:08	291	15:02	60	21:23	312			3:02	37	9:25	293	15:35	59	21:41	321
5-5	din					03:50	20	10:17	298	16:11	48	22:25	316			4:15	24	10:26	305	16:41	44	22:45	329
6-5	woe					04:55	10	11:11	300	17:14	37	23:16	317			5:17	16	11:20	312	17:45	33	23:32	333
7-5	don	12:45	VM			05:52	10	11:56	300	18:10	25					6:16	12	12:10	317	18:36	21		
8-5	vry			00:02	318	06:41	0	12:36	303	18:58	11			0:20	334	7:03	11	13:05	320	19:25	14		
9-5	zat			00:49	317	07:25	0	13:17	308	19:44	0			1:10	332	7:46	12	13:41	324	20:09	8		
10-5	zon			01:37	313	08:06	0	13:59	311	20:27	0			1:55	326	8:27	17	14:20	325	20:49	8		
11-5	maa			02:25	303	08:43	10	14:41	309	21:07	8			2:46	317	9:03	25	15:06	323	21:29	14		
12-5	din			03:12	288	09:14	30	15:23	302	21:45	29			3:25	305	9:37	36	15:44	319	22:08	25		
13-5	woe			03:57	272	09:42	50	16:04	295	22:23	52			4:16	291	10:10	48	16:26	313	22:46	39		
14-5	don	16:03	LK	04:44	261	10:19	70	16:51	293	23:14	71			5:06	278	10:56	62	17:15	306	23:35	53		
15-5	vry			05:37	258	11:12	90	17:51	296					5:55	269	11:40	75	18:16	301	0:34	64		
16-5	zat					00:26	80	06:42	263	12:37	102	19:02	302			0:34	64	6:55	266	12:50	85	19:15	299
17-5	zon					01:39	70	07:55	272	14:02	94	20:17	311			1:56	64	8:11	269	14:21	82	20:36	302
18-5	maa					02:46	60	09:07	282	15:10	80	21:22	315			2:57	56	9:19	279	15:26	71	21:35	308
19-5	din					03:48	50	10:02	287	16:10	66	22:11	311			4:00	46	10:26	290	16:26	60	22:25	313
20-5	woe					04:39	40	10:41	286	16:58	55	22:49	303			4:46	40	10:55	299	17:11	51	23:12	316
21-5	don					05:20	40	11:12	288	17:37	46	23:24	299			5:31	35	11:35	307	17:52	44	23:53	318
22-5	vry	19:39	NM			05:56	30	11:45	295	18:13	37					6:11	32	12:16	314	18:35	38		
23-5	zat			00:01	302	06:31	30	12:24	306	18:49	31			0:25	319	6:48	29	12:50	319	19:11	33		
24-5	zon			00:43	307	07:08	30	13:06	315	19:28	31			1:06	317	7:27	30	13:25	320	19:47	31		
25-5	maa			01:28	309	07:44	40	13:47	316	20:05	40			1:46	312	8:01	33	14:06	318	20:21	32		
26-5	din			02:11	305	08:17	50	14:23	313	20:41	51			2:23	305	8:36	39	14:30	316	20:56	35		
27-5	woe			02:50	295	08:48	60	14:55	309	21:16	58			2:56	298	9:05	45	15:05	314	21:35	38		
28-5	don			03:29	285	09:22	70	15:32	308	21:56	57			3:43	290	9:40	50	15:51	312	22:16	41		
29-5	vry			04:15	280	10:08	70	16:21	310	22:48	52			4:25	284	10:26	57	16:40	311	23:06	44		
30-5	zat	5:30	EK	05:10	278	11:05	60	17:20	311	23:50	45			5:25	279	11:26	64	17:40	310	0:10	46		
31-5	zon			06:15	279	12:09	60	18:25	311							0:10	46	6:29	278	12:31	69		
1-6	maa					00:58	30	07:26	283	13:20	63	19:37	310			1:26	44	7:45	283	13:46	67	20:04	315
2-6	din					02:13	30	08:39	286	14:34	58	20:50	310			2:35	36	8:55	291	15:01	58	21:05	321
3-6	woe					03:20	30	09:47	290	15:41	51	21:55	309			3:40	29	9:55	301	16:10	48	22:11	326
4-6	don					04:24	20	10:42	292	16:45	42	22:50	307			4:47	27	10:56	309	17:16	39	23:05	327
5-6	vry	21:12	VM			05:24	20	11:29	295	17:48	28	23:42	305			5:46	26	11:39	316	18:15	30	23:55	326
6-6	zat					06:17	10	12:12	301	18:42	14					6:36	25	12:36	322	19:06	23		
7-6	zon			00:33	303	07:04	10	12:56	307	19:30	6			0:56	322	7:26	28	13:20	327	19:51	18		
8-6	maa			01:24	300	07:47	20	13:41	311	20:14	9			1:44	316	8:06	30	14:01	329	20:36	19		
9-6	din			02:13	294	08:26	30	14:24	311	20:55	25			2:25	307	8:46	36	14:46	328	21:13	23		
10-6	woe			02:58	284	08:59	50	15:04	308	21:33	48			3:15	297	9:21	41	15:20	326	21:51	31		
11-6	don			03:39	276	09:27	70	15:43	307	22:08	67			3:55	287	9:51	48	16:05	321	22:31	40		
12-6	vry			04:19	272	10:01	80	16:25	309	22:50	79			4:40	279	10:35	57	16:56	315	23:10	51		
13-6	zat	8:24	LK	05:06	272	10:47	90	17:17	312	23:45	83			5:25	273	11:15	66	17:42	309	23:56	61		
14-6	zon			06:02	274	11:47	90	18:19	312					6:20	270	12:00	76	18:39	303	0:45	68		
15-6	0-1					00:49	80	07:03	276	13:01	95	19:25	309			0:45	68	7:04	270	13:05	84	19:25	300
16-6	din					01:54	70	08:03	277	14:14	86	20:26	303			2:00	68	8:04	275	14:26	84	20:35	301
17-6	woe					02:55	60	08:59	278	15:17	76	21:20	296			3:00	62	9:05	284	15:25	76	21:35	305

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		
18-6	don					03:49	60	09:48	281	16:10	66	22:07	293			3:56	54	10:05	296	16:20	65	22:25	310
19-6	vry					04:35	50	10:32	289	16:56	58	22:50	295			4:46	47	10:55	307	17:12	55	23:15	314
20-6	zat					05:18	50	11:15	301	17:41	50	23:34	301			5:35	41	11:46	316	18:01	47		
21-6	zon	8:41	NM			06:00	40	12:00	312	18:25	45			0:06	316	6:21	38	12:30	322	18:46	41		
22-6	maa			00:23	306	06:43	40	12:46	319	19:10	43			0:46	315	7:01	38	13:06	324	19:31	37		
23-6	din			01:12	307	07:24	50	13:29	319	19:53	45			1:31	312	7:41	40	13:40	325	20:15	35		
24-6	woe			01:58	301	08:04	50	14:07	316	20:35	47			2:05	307	8:21	43	14:26	325	20:56	34		
25-6	don			02:40	292	08:41	60	14:43	314	21:15	46			2:53	302	9:01	46	15:06	326	21:38	34		
26-6	vry			03:22	285	09:20	50	15:24	315	21:57	42			3:35	297	9:46	49	15:46	327	22:21	35		
27-6	zat			04:08	281	10:03	50	16:12	317	22:43	37			4:26	293	10:31	52	16:36	326	23:11	37		
28-6	zon	10:16	EK	05:00	280	10:53	50	17:05	317	23:35	37			5:15	289	11:20	56	17:30	324	0:04	41		
29-6	maa			05:58	280	11:49	50	18:05	313							0:04	41	6:16	286	12:16	61		
30-6	din					00:36	40	07:00	278	12:52	61	19:10	305			1:01	44	7:15	286	13:16	64	19:35	317
1-7	woe					01:45	40	08:07	276	14:05	63	20:20	298			2:06	46	8:26	290	14:31	62	20:35	317
2-7	don					02:53	40	09:16	277	15:15	59	21:31	292			3:05	45	9:25	298	15:40	56	21:48	318
3-7	vry					03:57	40	10:16	282	16:25	49	22:35	290			4:16	44	10:30	309	16:50	48	22:45	320
4-7	zat					05:03	30	11:08	290	17:37	34	23:31	291			5:25	42	11:26	319	17:59	38	23:45	319
5-7	zon	6:44	VM			06:02	30	11:56	300	18:33	22					6:19	40	12:18	326	18:51	31		
6-7	maa			00:25	294	06:51	30	12:43	309	19:21	20			0:46	316	7:07	40	13:06	331	19:36	27		
7-7	din			01:15	294	07:36	30	13:27	314	20:04	30			1:36	310	7:52	42	13:49	333	20:21	28		
8-7	woe			02:00	292	08:14	50	14:08	316	20:43	49			2:15	303	8:29	43	14:26	334	20:57	31		
9-7	don			02:41	288	08:46	70	14:45	316	21:17	67			3:03	296	9:05	45	15:06	332	21:33	36		
10-7	vry			03:16	284	09:12	80	15:19	317	21:48	78			3:35	290	9:35	47	15:46	328	22:06	43		
11-7	zat			03:50	282	09:42	80	15:55	319	22:22	81			4:16	285	10:11	51	16:26	322	22:40	51		
12-7	zon			04:30	282	10:20	80	16:38	317	23:04	81			4:45	281	10:40	58	17:01	315	23:16	60		
13-7	maa	1:29	LK	05:20	279	11:06	80	17:31	310	23:54	83			5:32	277	11:20	67	17:39	307	23:56	69		
14-7	din			06:15	275	12:01	90	18:32	299					6:05	275	12:06	77	18:24	300	0:46	76		
15-7	woe					00:50	80	07:12	272	13:04	97	19:33	289			0:46	76	7:16	276	12:54	86	19:30	296
16-7	don					01:54	90	08:07	274	14:15	96	20:30	286			1:45	79	8:10	282	14:15	89	20:35	297
17-7	vry					02:55	80	09:03	282	15:19	90	21:25	289			3:00	74	9:15	292	15:34	81	21:45	303
18-7	zat					03:50	80	09:57	296	16:17	80	22:19	297			4:06	65	10:15	305	16:36	68	22:45	310
19-7	zon					04:42	70	10:51	311	17:13	69	23:16	305			5:05	56	11:16	317	17:30	56	23:35	315
20-7	maa	19:33	NM			05:34	60	11:44	321	18:07	59					5:56	51	12:05	325	18:25	47		
21-7	din			00:12	309	06:24	50	12:33	325	18:57	50			0:26	316	6:46	48	12:55	329	19:17	40		
22-7	woe			01:03	307	07:11	50	13:17	323	19:44	42			1:14	315	7:31	46	13:25	333	20:03	33		
23-7	don			01:50	300	07:54	50	13:56	321	20:28	36			1:56	313	8:16	44	14:10	337	20:49	28		
24-7	vry			02:32	294	08:35	50	14:34	322	21:09	32			2:44	311	8:57	41	14:51	340	21:35	26		
25-7	zat			03:13	290	09:15	40	15:15	325	21:51	30			3:25	308	9:42	41	15:36	341	22:13	27		
26-7	zon			03:57	289	09:56	40	16:01	327	22:33	32			4:16	304	10:23	43	16:23	338	22:58	33		
27-7	maa	14:33	EK	04:44	288	10:40	40	16:51	323	23:18	40			4:55	299	11:08	48	17:10	332	23:45	43		
28-7	din			05:37	284	11:29	50	17:46	311					5:45	293	11:52	56	18:06	322	0:35	54		
29-7	woe					00:10	50	06:33	277	12:27	64	18:48	296			0:35	54	6:40	290	12:51	65		
30-7	don					01:17	60	07:36	272	13:43	70	20:01	284			1:31	63	7:45	291	14:05	71	20:15	309
31-7	vry					02:30	60	08:49	273	14:59	65	21:20	280			2:35	67	8:55	298	15:16	67	21:30	310
1-8	zat					03:39	50	09:58	284	16:19	53	22:28	285			3:50	63	10:10	311	16:35	56	22:46	314

Referentievlak :LAT				Borkum Fischerbalje LAT=NAP-167								Eemshaven LAT=NAP-192											
				53.5575° N, 6.7478° O				53.4500° N, 6.8333° O															
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm						
2-8	zon					04:51	40	10:54	299	17:30	37	23:25	294			5:06	57	11:12	324	17:45	43	23:40	317
3-8	maa	17:59	VM			05:51	40	11:45	314	18:23	30					6:05	50	12:06	333	18:37	34		
4-8	din			00:16	300	06:39	40	12:30	323	19:09	36			0:40	315	6:55	48	12:51	337	19:26	34		
5-8	woe			01:03	302	07:21	50	13:11	326	19:49	52			1:26	309	7:35	49	13:33	337	20:06	37		
6-8	don			01:43	299	07:57	60	13:47	326	20:23	68			2:01	304	8:09	48	13:54	337	20:37	39		
7-8	vry			02:15	295	08:25	80	14:18	326	20:52	77			2:36	300	8:41	47	14:44	336	21:11	43		
8-8	zat			02:43	294	08:49	80	14:48	327	21:19	78			3:05	298	9:11	46	15:14	333	21:38	47		
9-8	zon			03:14	295	09:17	80	15:21	327	21:49	76			3:36	296	9:41	49	15:46	326	22:06	55		
10-8	maa			03:51	293	09:50	80	15:58	321	22:23	78			4:05	292	10:11	55	16:16	318	22:36	63		
11-8	din	18:45	LK	04:33	288	10:28	80	16:40	309	23:00	88			4:35	288	10:41	62	16:48	309	23:06	70		
12-8	woe			05:20	281	11:11	90	17:30	297	23:44	102			5:10	285	11:20	70	17:15	302	23:50	77		
13-8	don			06:12	277	12:03	100	18:28	288					5:49	283	12:06	81	18:05	295	0:35	86		
14-8	vry					00:37	110	07:10	280	13:07	116	19:31	287			0:35	86	6:58	282	13:05	91	19:30	291
15-8	zat					01:43	110	08:13	291	14:22	115	20:38	294			1:56	92	8:25	289	14:38	93	21:05	296
16-8	zon					02:56	110	09:21	307	15:37	101	21:49	304			3:20	85	9:46	303	16:01	78	22:15	307
17-8	maa					04:04	90	10:28	323	16:47	83	22:59	313			4:30	72	10:45	318	17:06	62	23:16	316
18-8	din					05:07	70	11:26	332	17:48	64	23:59	315			5:26	62	11:36	330	18:07	49		
19-8	woe	4:42	NM			06:05	60	12:15	333	18:41	48			0:05	320	6:27	55	12:26	337	19:01	38		
20-8	don			00:50	311	06:54	50	12:59	331	19:28	37			0:56	321	7:16	48	13:05	342	19:49	29		
21-8	vry			01:34	305	07:39	40	13:37	331	20:11	29			1:40	321	8:03	41	13:56	346	20:35	22		
22-8	zat			02:14	302	08:20	40	14:16	335	20:53	25			2:25	320	8:46	35	14:36	349	21:17	21		
23-8	zon			02:53	302	09:00	30	14:58	339	21:34	27			3:11	318	9:29	33	15:16	348	21:58	26		
24-8	maa			03:35	303	09:40	30	15:43	337	22:13	36			3:54	314	10:07	36	16:05	342	22:36	37		
25-8	din	19:58	EK	04:20	301	10:22	40	16:32	325	22:54	50			4:35	307	10:48	45	16:45	331	23:16	53		
26-8	woe			05:08	292	11:07	50	17:26	305	23:39	67			5:22	300	11:31	57	17:40	318	0:01	69		
27-8	don			06:02	282	12:02	70	18:29	284							0:01	69	6:05	295	12:25	71		
28-8	vry					00:44	80	07:05	275	13:26	78	19:44	272			0:56	84	7:15	294	13:36	81	20:01	298
29-8	zat					02:09	80	08:23	279	14:47	73	21:10	276			2:16	89	8:35	300	15:05	77	21:26	302
30-8	zon					03:24	70	09:40	296	16:12	60	22:19	291			3:36	81	9:56	315	16:25	61	22:40	312
31-8	maa					04:37	60	10:40	318	17:17	46	23:15	306			4:51	66	10:55	331	17:31	44	23:35	318
1-9	din					05:35	50	11:30	334	18:07	44					5:51	55	11:50	340	18:23	36		
2-9	woe	7:22	VM	00:05	313	06:22	50	12:14	340	18:50	54			0:31	318	6:36	52	12:34	341	19:05	39		
3-9	don			00:46	310	07:01	70	12:49	337	19:26	69			1:05	312	7:15	53	13:05	339	19:41	44		
4-9	vry			01:16	304	07:33	80	13:17	333	19:55	77			1:35	308	7:46	52	13:39	338	20:13	48		
5-9	zat			01:39	302	07:57	80	13:43	333	20:20	75			2:00	308	8:19	50	14:05	338	20:41	50		
6-9	zon			02:04	305	08:20	70	14:14	334	20:46	70			2:25	309	8:46	49	14:35	334	21:08	53		
7-9	maa			02:37	309	08:49	70	14:47	331	21:15	71			2:59	307	9:12	51	15:11	326	21:32	60		
8-9	din			03:14	307	09:20	70	15:22	323	21:42	82			3:15	303	9:40	57	15:29	317	22:01	67		
9-9	woe			03:50	300	09:51	80	15:59	311	22:10	100			3:48	299	10:06	63	16:00	310	22:25	72		
10-9	don	11:26	LK	04:25	294	10:25	100	16:41	300	22:44	118			4:09	297	10:45	69	16:35	303	23:01	78		
11-9	vry			05:07	293	11:11	110	17:34	294	23:36	131			4:50	295	11:26	78	17:25	295	23:55	89		
12-9	zat			06:05	296	12:17	130	18:39	294					5:59	290	12:26	90	18:40	288	1:00	101		
13-9	zon					00:46	130	07:15	305	13:36	128	19:54	300			1:00	101	7:24	291	13:50	96	20:25	291
14-9	maa					02:06	120	08:37	317	14:59	110	21:20	309			2:35	101	9:05	304	15:25	83	21:50	305
15-9	din					03:26	100	09:57	331	16:16	85	22:38	318			4:00	85	10:16	322	16:45	63	22:56	317

Referentievlak :LAT				Borkum Fischerbalje 53.5575° N, 6.7478° O LAT=NAP-167								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		
16-9	woe					04:37	80	10:59	338	17:23	63	23:38	320			5:06	70	11:11	336	17:46	47	23:50	325
17-9	don	13:00	NM			05:39	70	11:49	339	18:17	47					6:06	58	12:05	344	18:37	35		
18-9	vry			00:26	316	06:31	60	12:31	337	19:05	37			0:36	327	6:56	49	12:46	349	19:28	28		
19-9	zat			01:08	311	07:17	50	13:10	339	19:49	32			1:26	327	7:46	39	13:30	352	20:12	24		
20-9	zon			01:46	311	07:59	40	13:51	344	20:30	30			2:06	327	8:28	33	14:15	352	20:54	26		
21-9	maa			02:25	315	08:40	30	14:35	344	21:10	34			2:55	325	9:10	31	15:05	347	21:33	34		
22-9	din			03:06	316	09:21	30	15:22	335	21:48	46			3:35	321	9:49	36	15:40	338	22:12	48		
23-9	woe			03:50	311	10:01	40	16:11	315	22:24	64			4:05	315	10:27	46	16:26	324	22:49	65		
24-9	don	3:55	EK	04:37	300	10:44	60	17:05	290	23:01	84			4:52	308	11:06	61	17:22	308	23:31	83		
25-9	vry			05:30	288	11:40	80	18:08	271	23:59	103			5:46	302	11:56	77	18:14	295	0:26	99		
26-9	zat			06:34	282	13:09	90	19:27	264						0:26	99	6:45	300	13:16	89	19:46	289	
27-9	zon					01:45	100	07:56	289	14:30	88	20:57	277			1:50	105	8:05	305	14:44	83	21:10	296
28-9	maa					03:02	90	09:20	311	15:53	75	22:06	300			3:16	93	9:36	319	16:06	65	22:20	310
29-9	din					04:15	80	10:21	336	16:56	61	23:01	317			4:30	74	10:35	335	17:06	48	23:22	319
30-9	woe					05:13	70	11:11	348	17:44	59	23:49	320			5:27	61	11:35	342	17:56	41		
1-10	don	23:05	VM			05:58	70	11:51	346	18:24	66			0:06	320	6:11	56	12:11	342	18:38	46		
2-10	vry			00:23	313	06:35	70	12:21	336	18:56	75			0:41	316	6:49	57	12:40	339	19:11	53		
3-10	zat			00:43	305	07:04	80	12:44	330	19:23	75			1:05	314	7:21	57	13:09	337	19:41	56		
4-10	zon			01:01	308	07:28	70	13:11	330	19:48	68			1:25	317	7:46	54	13:39	336	20:06	56		
5-10	maa			01:31	315	07:54	60	13:45	332	20:16	65			1:55	319	8:19	53	14:05	332	20:36	59		
6-10	din			02:08	320	08:25	60	14:23	328	20:45	75			2:26	318	8:45	56	14:35	324	21:01	65		
7-10	woe			02:45	317	08:56	80	14:58	319	21:09	96			2:45	313	9:11	62	15:05	314	21:25	71		
8-10	don			03:16	311	09:23	90	15:31	307	21:29	116			3:16	309	9:41	66	15:25	307	21:55	75		
9-10	vry			03:42	307	09:51	110	16:08	299	22:01	130			3:38	307	10:15	70	16:05	300	22:26	80		
10-10	zat	2:39	LK	04:21	308	10:35	120	17:02	295	22:55	138			4:25	304	10:56	77	17:05	291	23:21	91		
11-10	zon			05:23	311	11:45	120	18:09	295					5:17	299	11:56	88	18:19	284	0:26	105		
12-10	maa					00:12	130	06:35	316	13:05	120	19:28	301			0:26	105	6:53	298	13:15	94	19:55	288
13-10	din					01:33	120	07:57	324	14:29	99	20:59	311			1:55	107	8:30	308	14:45	81	21:21	303
14-10	woe					02:54	100	09:24	333	15:46	74	22:15	321			3:26	92	9:41	326	16:10	60	22:26	317
15-10	don					04:06	80	10:29	340	16:52	56	23:12	324			4:36	74	10:41	340	17:15	46	23:21	326
16-10	vry	21:31	NM			05:10	70	11:20	341	17:49	45	23:59	321			5:37	61	11:30	348	18:11	37		
17-10	zat					06:05	60	12:03	340	18:38	40			0:05	329	6:31	50	12:15	351	19:03	33		
18-10	zon			00:39	319	06:53	50	12:44	342	19:23	36			0:56	331	7:21	41	13:06	351	19:46	32		
19-10	maa			01:17	321	07:37	30	13:28	343	20:05	34			1:43	331	8:04	35	13:45	348	20:29	37		
20-10	din			01:56	325	08:20	30	14:15	337	20:45	40			2:21	331	8:50	34	14:34	341	21:09	45		
21-10	woe			02:39	325	09:02	30	15:04	322	21:22	54			2:55	328	9:29	39	15:20	329	21:46	59		
22-10	don			03:23	318	09:43	40	15:53	300	21:53	75			3:42	323	10:06	50	16:05	314	22:21	73		
23-10	vry	15:23	EK	04:09	307	10:26	60	16:46	277	22:26	97			4:26	317	10:46	64	16:55	299	23:05	89		
24-10	zat			05:00	297	11:22	90	17:47	264	23:18	117			5:15	311	11:36	79	18:06	287	23:56	104		
25-10	zon			05:03	294	11:45	102	18:01	265					5:26	307	11:45	90	18:18	282	0:15	111		
26-10	maa					00:11	125	06:21	303	12:59	99	19:28	282			0:15	111	6:38	309	13:10	86	19:39	288
27-10	din					01:27	114	07:46	322	14:12	87	20:38	304			1:46	102	7:55	319	14:30	72	20:56	302
28-10	woe					02:37	98	08:51	341	15:20	73	21:33	317			2:50	84	9:06	331	15:31	59	21:45	313
29-10	don					03:38	84	09:41	346	16:09	66	22:18	317			3:51	71	9:56	337	16:20	54	22:36	317
30-10	vry					04:26	78	10:19	337	16:48	68	22:47	309			4:38	65	10:36	337	17:01	56	23:09	317

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		
31-10	zat	15:49	VM			05:03	77	10:47	325	17:20	70	23:04	306			5:16	64	11:05	335	17:36	59	23:25	320
1-11	zon					05:33	73	11:12	320	17:48	66	23:29	313			5:51	62	11:35	334	18:06	59	23:58	324
2-11	maa					06:00	65	11:45	322	18:17	62					6:22	59	12:05	333	18:35	59		
3-11	din			00:05	323	06:31	61	12:24	326	18:49	66			0:25	327	6:51	57	12:35	328	19:06	61		
4-11	woe			00:45	328	07:05	67	13:05	323	19:19	82			0:55	325	7:21	60	13:05	320	19:36	67		
5-11	don			01:22	325	07:37	83	13:42	314	19:44	104			1:14	321	7:46	65	13:35	311	19:56	72		
6-11	vry			01:51	319	08:06	101	14:15	302	20:06	120			1:40	318	8:16	68	14:16	303	20:25	75		
7-11	zat			02:16	316	08:36	111	14:53	295	20:40	126			2:21	315	8:45	70	14:55	296	21:00	80		
8-11	zon	14:46	LK	02:58	318	09:22	112	15:47	291	21:38	126			2:59	312	9:36	75	15:55	288	21:56	90		
9-11	maa			04:00	320	10:30	106	16:53	293	22:51	121			4:09	308	10:40	82	17:01	284	23:06	101		
10-11	din			05:08	323	11:42	93	18:10	299					5:22	308	11:54	85	18:24	287	0:30	102		
11-11	woe					00:06	111	06:23	325	13:00	76	19:33	308			0:30	102	6:44	315	13:26	74	19:45	299
12-11	don					01:23	97	07:46	330	14:14	60	20:46	316			1:55	91	7:55	327	14:35	58	20:56	312
13-11	vry					02:34	82	08:55	334	15:19	50	21:43	319			3:00	75	9:06	339	15:41	48	21:45	322
14-11	zat					03:38	71	09:48	334	16:17	44	22:29	319			4:05	63	9:55	345	16:41	43	22:35	328
15-11	zon	6:07	NM			04:36	60	10:34	333	17:09	41	23:09	320			5:06	53	10:53	347	17:36	42	23:26	332
16-11	maa					05:29	46	11:20	333	17:57	36	23:48	324			5:58	44	11:35	345	18:22	43		
17-11	din					06:17	32	12:09	330	18:41	35			0:12	334	6:45	39	12:33	339	19:06	47		
18-11	woe			00:31	329	07:03	24	13:00	321	19:23	42			0:56	335	7:26	37	13:19	330	19:46	53		
19-11	don			01:16	328	07:48	30	13:49	306	20:00	59			1:35	334	8:11	42	14:00	319	20:25	63		
20-11	vry			02:00	321	08:31	48	14:37	288	20:30	80			2:18	330	8:51	50	14:56	305	20:56	73		
21-11	zat			02:45	313	09:13	72	15:26	274	21:00	100			3:05	325	9:34	62	15:46	293	21:43	84		
22-11	zon	5:45	EK	03:32	307	10:03	92	16:20	268	21:48	116			3:56	320	10:16	74	16:35	284	22:26	95		
23-11	maa			04:29	308	11:08	103	17:22	272	23:13	124			4:50	315	11:16	85	17:35	279	23:31	104		
24-11	din			05:38	314	12:16	100	18:32	282					5:55	312	12:26	88	18:40	281	0:51	105		
25-11	woe					00:37	117	06:52	322	13:20	90	19:45	294			0:51	105	7:08	313	13:36	83	20:05	288
26-11	don					01:45	103	08:01	327	14:23	78	20:45	301			2:05	96	8:05	318	14:36	75	21:01	299
27-11	vry					02:48	89	08:56	324	15:19	70	21:30	300			3:05	85	9:05	323	15:35	69	21:50	308
28-11	zat					03:42	79	09:38	313	16:03	68	22:00	298			3:51	76	9:56	326	16:16	65	22:26	315
29-11	zon					04:24	73	10:10	305	16:39	67	22:26	303			4:35	70	10:30	328	16:55	62	22:55	322
30-11	maa	10:30	VM			04:58	67	10:42	306	17:13	64	22:59	314			5:15	65	11:11	328	17:31	60	23:31	328
1-12	din					05:32	61	11:20	312	17:48	63	23:40	325			5:56	61	11:46	327	18:05	59		
2-12	woe					06:09	59	12:04	318	18:24	68			0:06	330	6:26	59	12:15	323	18:36	61		
3-12	don			00:22	330	06:47	65	12:48	316	18:57	82			0:25	329	7:00	59	12:50	317	19:16	65		
4-12	vry			01:00	328	07:23	77	13:28	307	19:27	97			1:05	327	7:36	62	13:25	310	19:40	68		
5-12	zat			01:30	322	07:57	87	14:04	296	19:55	104			1:24	326	8:06	64	13:55	303	20:11	71		
6-12	zon			02:01	319	08:31	89	14:44	289	20:34	103			2:15	324	8:46	65	14:51	297	20:56	75		
7-12	maa			02:45	320	09:17	83	15:34	286	21:29	98			3:05	322	9:35	67	15:45	291	21:46	81		
8-12	din	1:36	LK	03:42	321	10:14	74	16:34	287	22:32	92			3:55	320	10:35	71	16:45	287	22:50	87		
9-12	woe			04:43	321	11:17	66	17:43	290	23:37	89			5:06	318	11:36	72	17:58	287	0:05	90		
10-12	don			05:50	318	12:26	62	18:57	293					0:05	90	6:05	319	12:55	68	19:16	293		
11-12	vry					00:49	85	07:04	315	13:40	57	20:09	297			1:16	85	7:25	324	14:00	60	20:19	303
12-12	zat					02:01	79	08:16	313	14:45	53	21:10	300			2:25	74	8:35	330	15:05	54	21:15	314
13-12	zon					03:06	69	09:17	312	15:45	49	21:59	303			3:35	64	9:24	335	16:11	51	22:16	323
14-12	maa	17:16	NM			04:09	56	10:12	311	16:43	43	22:43	309			4:41	54	10:32	336	17:09	50	23:06	330

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		
15-12	din					05:11	39	11:05	310	17:36	38	23:28	316			5:37	45	11:26	334	17:59	50	23:52	335
16-12	woe					06:05	25	11:58	309	18:24	37					6:26	39	12:15	328	18:46	52		
17-12	don			00:14	321	06:54	22	12:49	303	19:09	45			0:36	338	7:15	38	13:06	320	19:26	55		
18-12	vry			01:00	322	07:40	32	13:37	294	19:48	62			1:15	338	7:56	39	13:50	311	20:06	59		
19-12	zat			01:44	318	08:21	53	14:21	283	20:19	82			2:02	336	8:36	46	14:35	301	20:41	63		
20-12	zon			02:24	314	08:59	75	15:02	275	20:44	97			2:40	333	9:13	53	15:22	292	21:16	69		
21-12	maa	0:41	EK	03:04	313	09:37	90	15:44	273	21:23	104			3:25	327	9:55	63	16:05	285	21:56	77		
22-12	din			03:51	313	10:24	95	16:36	274	22:19	107			4:15	320	10:36	74	16:54	280	22:40	86		
23-12	woe			04:51	312	11:23	94	17:36	275	23:32	107			5:11	312	11:30	83	17:35	277	23:35	96		
24-12	don			05:57	307	12:27	89	18:38	276					6:02	306	12:30	89	18:45	279	0:56	102		
25-12	vry					00:48	101	07:02	300	13:30	83	19:37	277			0:56	102	7:10	304	13:36	88	19:35	285
26-12	zat					01:54	92	08:02	292	14:28	79	20:30	279			2:06	97	8:10	305	14:32	81	20:45	296
27-12	zon					02:52	83	08:52	287	15:18	76	21:14	285			3:06	87	9:05	311	15:26	73	21:35	308
28-12	maa					03:42	76	09:36	288	16:02	73	21:55	297			3:56	76	10:02	316	16:16	66	22:20	319
29-12	din					04:26	69	10:18	295	16:43	69	22:38	311			4:45	67	10:46	320	17:01	60	23:06	326
30-12	woe	4:28	VM			05:08	63	11:04	304	17:25	66	23:23	322			5:26	60	11:20	321	17:46	58	23:46	329
31-12	don					05:52	60	11:52	309	18:06	68					6:11	55	12:06	319	0:00	58		