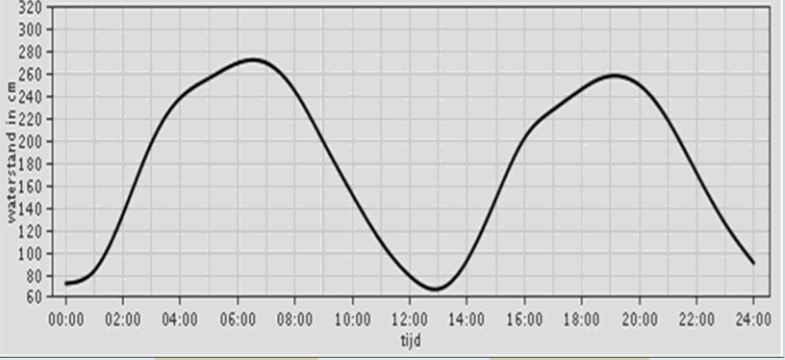
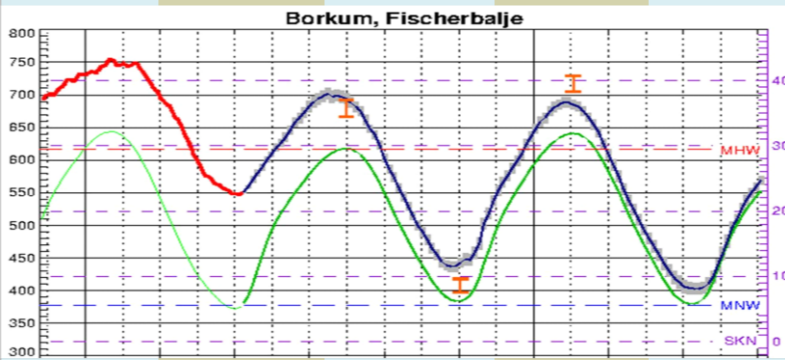
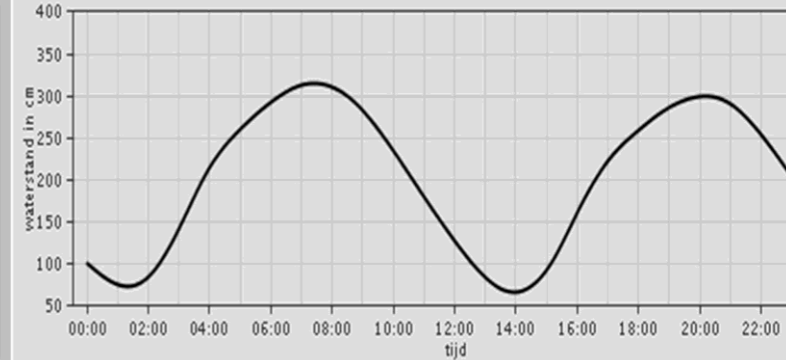


datum	dag	maanstand	Huibertgat 53.5667° N, 6.4000° O						Borkum Fischerbalje 53.5575° N, 6.7478° O						Eemshaven 53.4500° N, 6.8333° O																	
			HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm								
																																
2025																																
1-1	woe		-	-	5:04	156	11:04	269	17:03	59	23:06	294	-	-	06:01	63	12:02	301	18:11	71	-	-	-	-	6:19	179	12:14	312	18:28	62	-	-
2-1	don		-	-	5:49	51	11:45	268	17:42	57	23:47	298	00:13	327	06:46	59	12:48	294	18:51	71	-	-	0:22	336	7:04	50	12:55	310	19:10	60	-	-
3-1	vry		-	-	6:34	48	12:28	265	18:25	57	-	-	00:51	322	07:27	56	13:28	285	19:29	69	-	-	0:59	339	7:47	46	13:36	307	19:52	59	-	-
4-1	zat		0:33	300	7:18	48	13:13	262	19:09	58	-	-	01:27	320	08:06	52	14:07	278	20:06	64	-	-	1:40	341	8:29	46	14:19	302	20:34	59	-	-
5-1	zon		1:21	300	8:01	51	13:59	257	19:55	61	-	-	02:08	321	08:45	47	14:49	275	20:47	58	-	-	2:26	341	9:12	48	15:03	297	21:16	61	-	-
6-1	maa		2:09	296	8:45	56	14:46	251	20:44	65	-	-	02:53	323	09:26	46	15:35	274	21:32	56	-	-	3:13	337	9:55	53	15:49	291	22:01	64	-	-
7-1	din		2:57	290	9:31	63	15:34	246	21:36	69	-	-	03:42	320	10:11	51	16:24	271	22:21	62	-	-	4:01	331	10:41	61	16:36	287	22:50	68	-	-
8-1	woe		3:48	282	10:24	70	16:28	243	22:36	73	-	-	04:33	310	11:00	62	17:17	265	23:14	72	-	-	4:52	323	11:32	69	17:30	284	23:46	74	-	-
9-1	don		4:47	273	11:25	75	17:35	245	23:46	75	-	-	05:29	294	11:57	73	18:18	258	-	-	-	-	5:53	314	12:32	77	18:34	285	-	-	-	-
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11-1	zat		-	-	1:02	71	7:22	268	13:41	74	19:53	265	-	-	01:47	77	08:09	269	14:33	74	20:53	263	-	-	2:11	76	8:28	307	14:50	79	20:59	304
12-1	zon		-	-	2:16	64	8:36	271	14:45	70	20:56	278	-	-	03:03	63	09:27	272	15:43	64	21:53	278	-	-	3:29	67	9:44	311	16:02	74	22:08	319
13-1	maa		-	-	3:32	156	9:41	273	15:51	65	21:53	288	-	-	04:26	46	10:28	282	16:50	54	22:44	294	-	-	4:45	179	10:49	315	17:06	67	23:04	330
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15-1	woe		-	-	5:27	42	11:21	268	17:29	58	23:24	297	-	-	06:16	33	12:11	296	18:30	58	-	-	-	-	6:31	37	12:29	311	18:40	58	-	-
16-1	don		-	-	6:08	41	12:01	263	18:04	55	-	-	00:17	312	06:59	46	12:55	293	19:09	72	-	-	0:32	340	7:12	37	13:09	305	19:17	55	-	-
17-1	vry		0:04	297	6:41	43	12:37	259	18:37	51	-	-	00:57	312	07:37	65	13:31	287	19:42	86	-	-	1:09	339	7:48	40	13:44	300	19:50	53	-	-
18-1	zat		0:42	295	7:11	45	13:12	255	19:11	49	-	-	01:30	310	08:09	78	14:00	281	20:06	91	-	-	1:45	337	8:20	44	14:16	295	20:22	51	-	-
19-1	zon		1:19	290	7:43	49	13:46	251	19:45	52	-	-	01:59	309	08:37	80	14:28	280	20:30	86	-	-	2:20	332	8:51	50	14:47	292	20:54	53	-	-
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21-1	din		2:24	273	8:47	64	14:50	243	20:52	65	-	-	03:05	303	09:40	69	15:48	275	21:44	75	-	-	3:25	315	9:53	65	15:49	285	22:00	66	-	-
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23-1	don		3:30	255	10:00	80	16:02	237	22:20	84	-	-	04:51	276	11:09	86	17:36	265	23:31	92	-	-	4:37	297	11:07	81	17:12	279	23:25	86	-	-
24-1	vry		4:20	247	10:52	88	17:13	236	23:22	92	-	-	05:54	265	12:07	101	18:33	267	-	-	-	-	5:30	287	11:59	91	18:25	278	-	-	-	-
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26-1	zon		-	-	0:44	91	7:11	243	13:24	86	19:51	255	-	-	01:51	102	07:55	269	14:22	103	20:33	293	-	-	1:55	98	8:14	284	14:33	91	20:52	297
27-1	maa		-	-	2:04	80	8:25	252	14:30	75	20:50	269	-	-	03:00	93	09:01	281	15:25	90	21:37	310	-	-	3:13	85	9:26	293	15:40	80	21:54	311
28-1	din		-	-	3:07	65	9:25	260	15:24	65	21:40	280	-	-	04:05	78	10:10	291	16:24	75	22:34	320	-	-	4:18	69	10:26	303	16:39	69	22:46	324
29-1	woe		-	-	4:05	156	10:15	265	16:15	58	22:23	289	-	-	05:01	61	11:09	296	17:16	63	23:23	322	-	-	5:17	179	11:17	309	17:32	59	23:31	333
30-1	don		-	-	5:00	43	10:58	267	17:06	51	23:01	296	-	-	05:50	46	11:59	293	18:01	54	-	-	-	-	6:07	41	12:03	311	18:20	51	-	-
31-1	vry		-	-	5:49	35	11:38	268	17:53	45	23:40	301	00:04	318	06:34	35	12:40	286	18:42	46	-	-	0:11	340	6:54	31	12:46	312	19:04	43	-	-
1-2	zat		-	-	6:34	30	12:17	267	18:38	41	-	-	00:40	316	07:15	27	13:16	281	19:20	38	-	-	0:49	345	7:37	24	13:25	310	19:46	37	-	-
2-2	zon		0:22	304	7:16	30	12:56	266	19:19	39	-	-	01:16	319	07:54	23	13:51	281	19:57	30	-	-	1:29	347	8:18	23	14:04	308	20:27	34	-	-
3-2	maa		1:06	303	7:55	34	13:36	262	19:57	40	-	-	01:55	325	08:31	23	14:29	283	20:34	25	-	-	2:10	346	8:58	28	14:42	304	21:06	35	-	-
4-2	din		1:49	298	8:31	43	14:16	257	20:34	44	-	-	02:38	326	09:08	29	15:10	281	21:14	28	-	-	2:52	341	9:36	37	15:20	299	21:44	40	-	-
5-2	woe		2:32	289	9:06	54	14:57	252	21:15	51	-	-	03:24	316	09:45	41	15:54	274	21:57	39	-	-	3:36	331	10:15	50	16:01	294	22:26	48	-	-
6-2	don		3:18	275	9:47	66	15:46	246	22:08	61	-	-	04:12	297	10:26	57	16:42	261	22:46	54	-	-	4:24	317	10:58	65	16:52	289	23:16	60	-	-
7-2	vry		4:17	261	10:45	78	16:56	244	23:20	70	-	-	05:09	273	11:16	74	17:43	249	23:55	68	-	-	5:24	302	11:54	80	18:00	285	-	-	-	-
8-2	zat		5:42	250	12:05	85	18:22	248	-	-	-	-	06:30	253	13:00	84	19:10	246	-	-	-	-	-	-	0:25	73	6:46	290	13:11	90	19:20	289
9-2	zon		-	-	0:48	70	7:18	250	13:26	81	19:44	261	-	-	01:41	67	08:09	251	14:25	76	20:40	260	-	-	1:53	75	8:21	289	14:34	87	20:49	301
10-2	maa		-	-	2:14	59	8:40	257	14:42	70	20:55	276	-	-	03:10	53	09:24	266	15:43	61	21:43	283	-	-	3:23	63	9:41	298	15:54	74	21:59	318
11-2	din		-	-	3:33	45	9:41	264	15:49	59	21:50	287	-	-	04:24	36	10:22	285	16:45	49	22:35	303	-	-	4:37	43	10:43	307	16:56	60	22:54	331
12-2	woe		-	-	4:30	154	10:29	266	16:40	51	22:33	292	-	-	05:18	29	11:14	296	17:34	47	23:21	314	-	-	5:31	176	11:33	309	17:44	50	23:37	336

datum	dag	maanstand	Huibertgat			53.5667° N, 6.4000° O			Borkum Fischerbalje			53.5575° N, 6.7478° O			Eemshaven			53.4500° N, 6.8333° O													
			HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm							
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14-2	vry	-	-	5:50	33	11:39	261	17:51	42	23:42	294	-	-	06:40	50	12:32	292	18:49	66	-	-	0:13	337	6:52	29	12:47	303	18:58	42	-	-
15-2	zat	-	-	6:19	35	12:08	260	18:20	37	-	-	00:30	310	07:11	60	12:57	286	19:14	69	-	-	0:45	337	7:23	32	13:13	302	19:28	37	-	-
16-2	zon	0:15	291	6:45	36	12:38	260	18:49	35	-	-	00:57	307	07:36	59	13:19	286	19:35	61	-	-	1:16	335	7:51	34	13:40	302	19:57	34	-	-
17-2	maa	0:47	286	7:13	39	13:08	258	19:19	37	-	-	01:23	307	08:00	50	13:47	290	20:00	49	-	-	1:47	330	8:19	37	14:08	301	20:26	35	-	-
18-2	din	1:17	278	7:40	45	13:35	254	19:46	43	-	-	01:54	306	08:26	43	14:21	290	20:31	44	-	-	2:17	323	8:46	43	14:34	299	20:55	40	-	-
19-2	woe	1:42	269	8:04	53	13:55	250	20:12	50	-	-	02:29	300	08:54	48	14:58	285	21:04	50	-	-	2:44	314	9:12	49	14:58	297	21:23	47	-	-
20-2	don	2:04	260	8:29	59	14:09	248	20:46	59	-	-	03:09	288	09:23	65	15:39	278	21:42	67	-	-	3:11	306	9:41	55	15:24	294	21:57	54	-	-
21-2	vry	2:35	251	9:06	67	14:54	244	21:33	69	-	-	03:54	276	09:58	87	16:26	274	22:30	88	-	-	3:47	297	10:17	63	16:05	290	22:41	66	-	-
22-2	zat	3:33	241	9:57	78	16:02	239	22:35	81	-	-	04:50	267	10:49	108	17:25	275	23:36	106	-	-	4:39	285	11:05	76	17:10	282	23:39	82	-	-
23-2	zon	4:47	232	11:05	89	17:30	239	23:59	86	-	-	05:55	266	12:01	119	18:34	282	-	-	-	-	5:52	273	12:10	92	18:42	280	-	-	-	-
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25-2	din	-	-	1:36	74	8:00	242	14:03	77	20:24	265	-	-	02:18	95	08:28	279	14:45	94	21:10	308	-	-	2:40	79	8:58	283	15:11	82	21:26	308
26-2	woe	-	-	2:49	55	9:08	254	15:08	62	21:21	279	-	-	03:36	71	09:53	288	15:57	71	22:12	316	-	-	3:55	58	10:06	297	16:19	65	22:23	324
27-2	don	-	-	3:52	39	9:59	263	16:07	50	22:07	289	-	-	04:38	47	10:52	291	16:53	54	23:01	315	-	-	4:57	39	11:00	306	17:16	50	23:11	334
28-2	vry	-	-	4:47	154	10:42	266	16:59	40	22:47	296	-	-	05:28	30	11:39	287	17:40	41	23:41	313	-	-	5:49	176	11:47	311	18:04	37	23:53	341
1-3	zat	-	-	5:35	20	11:20	268	17:45	31	23:26	301	-	-	6:12	20	12:17	283	18:21	31	-	-	-	-	6:35	13	12:29	312	18:49	26	-	-
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4-3	din	0:47	300	7:35	25	13:10	268	19:45	23	-	-	01:35	328	08:08	13	14:01	293	20:15	5	-	-	1:52	344	8:36	17	14:17	310	20:48	15	-	-
5-3	woe	1:29	292	8:08	36	13:49	264	20:21	29	-	-	02:19	323	08:43	22	14:42	290	20:54	11	-	-	2:33	336	9:12	29	14:53	308	21:26	23	-	-
6-3	don	2:12	279	8:40	49	14:29	258	20:59	40	-	-	03:06	305	09:16	38	15:25	279	21:35	27	-	-	3:16	323	9:48	44	15:34	303	22:06	35	-	-
7-3	vry	3:01	262	9:19	64	15:20	251	21:51	54	-	-	03:57	278	09:53	58	16:13	263	22:24	48	-	-	4:06	306	10:28	63	16:28	295	22:55	52	-	-
8-3	zat	4:06	245	10:16	81	16:36	245	23:06	67	-	-	05:00	251	10:41	81	17:21	249	23:56	67	-	-	5:12	287	11:22	82	17:40	289	-	-	-	-
9-3	zon	5:37	235	11:44	90	18:07	248	-	-	-	-	06:25	237	12:53	94	18:53	248	-	-	-	-	-	-	0:08	69	6:37	275	12:48	95	19:05	290
10-3	maa	-	-	0:44	65	7:14	238	13:19	81	19:34	261	-	-	01:37	66	08:03	247	14:16	83	20:26	269	-	-	1:45	69	8:11	278	14:22	88	20:34	302
11-3	din	-	-	2:12	49	8:31	250	14:35	64	20:43	276	-	-	03:04	53	09:16	271	15:31	66	21:29	297	-	-	3:14	52	9:30	291	15:40	68	21:43	319
12-3	woe	-	-	3:20	33	9:28	259	15:35	49	21:34	285	-	-	04:10	39	10:13	292	16:28	52	22:20	314	-	-	4:21	32	10:29	301	16:38	50	22:35	329
13-3	don	-	-	4:11	24	10:12	261	16:21	40	22:13	288	-	-	04:59	35	11:01	299	17:14	50	23:02	317	-	-	5:10	22	11:16	305	17:23	41	23:15	332
14-3	vry	-	-	4:51	153	10:44	260	16:58	37	22:44	287	-	-	05:40	41	11:38	294	17:52	54	23:33	309	-	-	5:51	175	11:51	304	18:00	37	23:46	331
15-3	zat	-	-	5:23	29	11:09	260	17:29	34	23:13	286	-	-	06:13	49	12:00	286	18:22	56	23:57	302	-	-	6:24	27	12:16	303	18:32	33	-	-
16-3	zon	-	-	5:49	31	11:33	263	17:56	31	23:44	284	-	-	06:39	48	12:17	286	18:44	49	-	-	0:15	330	6:53	29	12:38	306	19:01	29	-	-
17-3	maa	-	-	6:14	32	12:03	264	18:24	29	-	-	00:23	301	07:01	38	12:43	293	19:06	35	-	-	0:45	329	7:19	29	13:05	309	19:30	26	-	-
18-3	din	0:16	278	6:40	35	12:32	263	18:50	32	-	-	00:54	302	07:26	29	13:17	299	19:35	28	-	-	1:16	324	7:46	30	13:33	309	19:58	28	-	-
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20-3	don	1:10	260	7:24	45	13:19	257	19:39	43	-	-	02:06	295	08:18	52	14:26	294	20:35	53	-	-	2:10	308	8:36	40	14:20	305	20:52	37	-	-
21-3	vry	1:35	252	7:49	50	13:45	254	20:12	49	-	-	02:41	285	08:40	76	14:56	290	21:06	75	-	-	2:38	300	9:03	44	14:48	303	21:24	43	-	-
22-3	zat	2:12	243	8:28	58	14:30	249	20:59	59	-	-	03:20	276	09:10	97	15:35	288	21:48	94	-	-	3:15	291	9:39	52	15:32	298	22:08	54	-	-
23-3	zon	3:12	233	9:20	71	15:37	243	22:03	72	-	-	04:13	270	10:00	112	16:36	289	22:58	106	-	-	4:11	279	10:28	67	16:36	289	23:07	70	-	-
24-3	maa	4:28	225	10:29	85	16:55	242	23:29	78	-	-	05:19	268	11:18	118	17:49	293	-	-	-	-	5:25	267	11:33	86	17:59	284	-	-	-	-
25-3	din	5:59	225	12:01	89	18:27	250	-	-	-	-	-	-	00:19	102	06:33	271	12:42	109	19:09	299	-	-	0:30	80	7:00	266	13:04	94	19:35	292
26-3	woe	-	-	1:11	65	7:33	237	13:35	75	19:53	265	-	-	01:42	82	08:03	278	14:06	88	20:37	308	-	-	2:11	68	8:31	278	14:41	80	20:55	309
27-3	don	-	-	2:25	45	8:41	251	14:44	58	20:53	279	-	-	03:02	56	09:27	286	15:22	66	21:42	313	-	-	3:27	45	9:40	294	15:52	59	21:56	324
28-3	vry	-	-	3:27	29	9:32	260	15:44	43	21:41	288	-	-	04:07	35	10:26	289	16:23	49	22:32	313	-	-	4:30	26	10:35	304	16:50	42	22:45	335
29-3	zat	-	-	4:22	153	10:15	265	16:37	32	22:24	294	-	-	05:00	24	11:11	286	17:12	38	23:12	313	-	-	5:23	175	11:22	310	17:41	28	23:30	340
30-3	zon	-	-	6:10	15	11:54	268	18:25	22	-	-	-	-	06:45	10	12:48	284	18:56	26	-	-	-	-	7:10	7	13:05	313	19:26	16	-	-
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datum	dag	maanstand	Huibertgat		53.5667° N, 6.4000° O				Borkum Fischerbalje		53.5575° N, 6.7478° O				Eemshaven		53.4500° N, 6.8333° O														
			HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm							
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9-4	woe	-	-	2:50	43	9:06	244	15:10	60	21:15	274	-	-	03:36	50	09:54	280	16:01	73	22:06	313	-	-	3:49	45	10:06	285	16:12	64	22:17	317
10-4	don	-	-	3:51	31	10:02	253	16:06	46	22:06	279	-	-	04:41	40	10:49	296	17:00	57	22:55	321	-	-	4:52	30	11:04	296	17:08	48	23:07	323
11-4	vry	-	-	4:39	26	10:43	257	16:51	39	22:43	280	-	-	05:30	30	11:35	297	17:46	49	23:34	313	-	-	5:39	24	11:47	301	17:53	40	23:46	324
12-4	zat	-	-	5:17	28	11:11	259	17:28	36	23:13	278	-	-	06:08	30	12:05	288	18:22	47	-	-	-	-	6:18	26	12:19	302	18:31	37	-	-
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16-4	woe	0:47	268	7:06	36	13:02	268	19:23	34	-	-	01:35	300	08:01	20	13:57	309	20:15	27	-	-	1:49	315	8:15	31	14:06	314	20:33	30	-	-
17-4	don	1:17	260	7:28	40	13:29	265	19:47	37	-	-	02:16	300	08:31	40	14:36	309	20:48	44	-	-	2:19	307	8:41	35	14:32	312	21:00	34	-	-
18-4	vry	1:47	252	7:51	43	13:57	262	20:14	41	-	-	02:55	293	08:57	60	15:08	304	21:19	68	-	-	2:47	298	9:06	39	14:57	309	21:28	38	-	-
19-4	zat	2:21	244	8:22	47	14:33	260	20:50	45	-	-	03:29	283	09:19	90	15:37	301	21:50	85	-	-	3:20	291	9:35	43	15:30	307	22:02	42	-	-
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21-4	maa	4:06	227	9:56	67	16:23	251	22:42	63	-	-	04:59	271	10:43	100	17:16	303	23:43	90	-	-	5:02	271	11:05	65	17:22	296	23:50	62	-	-
22-4	din	5:17	223	11:05	80	17:34	251	-	-	-	-	06:03	271	11:59	100	18:23	306	-	-	-	-	6:13	264	12:11	80	18:36	293	-	-	-	-
23-4	woe	-	-	0:08	67	6:38	225	12:33	83	18:54	256	-	-	00:55	70	07:15	275	13:15	90	19:38	308	-	-	1:12	67	7:39	266	13:36	86	20:01	299
24-4	don	-	-	1:40	55	7:59	235	13:59	71	20:15	267	-	-	02:11	50	08:39	282	14:32	73	21:01	313	-	-	2:42	55	9:00	277	15:05	74	21:20	312
25-4	vry	-	-	2:50	39	9:04	248	15:08	55	21:18	279	-	-	03:26	30	09:55	289	15:45	58	22:07	316	-	-	3:53	37	10:06	291	16:15	56	22:22	325
26-4	zat	-	-	3:50	28	9:56	258	16:08	41	22:09	287	-	-	04:31	20	10:54	291	16:47	46	22:59	316	-	-	4:54	23	11:02	302	17:17	40	23:14	333
27-4	zon	-	-	4:46	153	10:41	265	17:06	30	22:56	291	-	-	05:26	20	11:39	289	17:40	36	23:42	316	-	-	5:50	175	11:50	309	18:12	27	-	-
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1-5	don	1:13	280	7:41	29	13:28	281	20:08	13	-	-	02:02	312	8:22	15	14:18	309	20:44	-3	-	-	2:23	323	8:48	24	14:38	324	21:13	8	-	-
2-5	vry	2:02	269	8:17	37	14:13	279	20:49	20	-	-	02:53	297	09:00	20	15:04	303	21:29	14	-	-	3:11	312	9:26	34	15:22	323	21:55	16	-	-
3-5	zat	2:54	256	8:55	47	15:04	274	21:33	32	-	-	03:44	277	09:35	50	15:51	294	22:18	39	-	-	4:01	299	10:05	46	16:12	319	22:40	29	-	-
4-5	zon	3:51	242	9:39	60	16:02	267	22:26	45	-	-	04:38	259	10:12	70	16:44	286	23:25	63	-	-	4:55	285	10:49	60	17:08	313	23:33	44	-	-
5-5	maa	4:53	232	10:34	73	17:07	263	23:33	55	-	-	05:38	251	11:08	90	17:48	285	-	-	-	-	5:54	275	11:44	75	18:09	307	-	-	-	-
6-5	din	5:58	228	11:46	80	18:15	261	-	-	-	-	-	-	00:39	70	06:45	255	12:59	101	19:03	293	-	-	0:41	55	6:59	269	12:58	84	19:17	304
7-5	woe	-	-	0:54	55	7:07	230	13:14	77	19:26	263	-	-	01:43	70	08:00	268	14:06	91	20:19	307	-	-	1:58	55	8:12	271	14:21	79	20:30	306
8-5	don	-	-	2:04	48	8:17	238	14:24	65	20:31	267	-	-	02:44	60	09:10	283	15:10	75	21:23	316	-	-	3:06	48	9:24	280	15:29	67	21:36	311
9-5	vry	-	-	3:01	41	9:15	246	15:21	55	21:24	270	-	-	03:48	40	10:06	290	16:13	60	22:14	312	-	-	4:05	41	10:22	289	16:26	57	22:29	314
10-5	zat	-	-	3:49	38	9:57	253	16:09	48	22:05	270	-	-	04:43	40	10:49	287	17:05	49	22:53	298	-	-	4:55	37	11:06	296	17:15	50	23:10	314
11-5	zon	-	-	4:30	38	10:29	259	16:49	45	22:40	269	-	-	05:24	30	11:17	282	17:44	43	23:24	286	-	-	5:36	37	11:39	302	17:56	45	23:45	314
12-5	maa	-	-	5:05	155	10:59	265	17:25	42	23:14	267	-	-	05:57	30	11:40	285	18:15	37	23:54	285	-	-	6:12	177	12:09	309	18:32	42	-	-
13-5	din	-	-	5:37	39	11:32	269	17:59	40	23:49	265	-	-	06:28	30	12:12	297	18:45	30	-	-	0:20	312	6:45	37	12:41	314	19:07	39	-	-
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15-5	don	0:23	260	6:34	40	12:37	272	18:59	39	-	-	01:16	302	07:36	30	13:36	321	19:56	38	-	-	1:31	305	7:49	38	13:48	317	20:13	38	-	-
16-5	vry	0:57	254	6:59	41	13:07	271	19:28	39	-	-	02:01	303	08:09	50	14:17	321	20:33	55	-	-	2:04	299	8:18	41	14:16	316	20:44	40	-	-
17-5	zat	1:32	248	7:29	43	13:41	270	20:00	41	-	-	02:42	296	08:39	70	14:51	316	21:08	72	-	-	2:38	291	8:46	45	14:46	314	21:16	43	-	-
18-5	zon	2:14	242	8:05	47	14:24	269	20:39	44	-	-	03:19	285	09:07	80	15:23	312	21:44	78	-	-	3:17	284	9:19	49	15:26	312	21:54	46	-	-
19-5	maa	3:05	235	8:48	54	15:15	266	21:28	49	-	-	03:59	276	09:44	90	16:05	313	22:31	73	-	-	4:05	277	10:01	55	16:17	309	22:42	50	-	-
20-5	din	4:02	230	9:41	63	16:13	264	22:31	55	-	-	04:48	273	10:38	80	16:59	314	23:28	62	-	-	5:01	271	10:54	64	17:15	307	23:43	55	-	-
21-5	woe	5:03	228	10:48	71	17:14	263	23:47	56	-	-	05:46	274	11:41	70	17:59	316	-	-	-	-	6:03	268	11:58	73	18:18	306	-	-	-	-
22-5	don	6:10	230	12:04	73	18:21	266	-	-	-	-	-	-	00:30	50	06:51	278	12:46	69	19:04	315	-	-	0:54	56	7:12	270	13:11	75	19:28	309
23-5	vry	-	-	1:04	50	7:19	236	13:20	65	19:34	271	-	-	01:36	40	08:03	281	13:55	64	20:17	314	-	-	2:09	48	8:22	278	14:27	67	20:40	315
24-5	zat	-	-	2:10	40	8:23	247	14:27	53	20:40	278	-	-	02:46	30	09:15	284	15:05	58	21:25	312	-	-	3:15	38	9:26	289	15:36	55	21:45	323
25-5	zon	-	-	3:08	34	9:18	258	15:29	42	21:3																					

datum	dag	maanstand	Huibertgat		53.5667° N, 6.4000° O						Borkum Fischerbalje						53.5575° N, 6.7478° O						Eemshaven		53.4500° N, 6.8333° O							
			HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm				
1-6	zon		2:47	251	8:38	46	14:55	283	21:20	31	-	-	03:35	276	9:35	66	15:39	303	22:19	55	-	-	3:55	294	9:52	47	16:02	328	22:30	30	-	-
2-6	maa		3:38	243	9:22	53	15:47	279	22:07	41	-	-	04:23	267	10:13	80	16:26	302	23:10	72	-	-	4:43	285	10:35	55	16:52	323	23:17	40	-	-
3-6	din		4:29	237	10:11	61	16:39	273	22:59	50	-	-	05:13	265	11:01	90	17:21	304	-	-	-	-	5:33	253	11:23	39	17:44	291	0:10	191		
4-6	woe		5:21	233	11:05	68	17:35	267	23:57	56			-	-	00:03	70	06:08	268	12:10	95	18:23	306			0:10	51	6:26	274	12:17	73	18:41	310
5-6	don		6:17	233	12:06	73	18:34	262	1:01	59	-	-	-	-	00:58	70	07:07	273	13:16	87	19:28	306			1:09	57	7:22	273	13:23	78	19:40	305
6-6	vry		-	-	1:01	59	7:14	236	13:16	73	19:34	260	-	-	01:55	60	08:07	276	14:18	75	20:30	300	-	-	2:11	59	8:21	276	14:32	77	20:41	302
7-6	zat		-	-	2:00	57	8:11	242	14:22	69	20:31	259	-	-	02:51	50	09:05	276	15:18	64	21:25	289	-	-	3:08	58	9:19	283	15:33	72	21:38	302
8-6	zon		-	-	2:53	54	9:02	250	15:18	63	21:22	260	-	-	03:47	50	09:52	275	16:15	57	22:10	278	-	-	4:01	55	10:12	292	16:28	66	22:29	303
9-6	maa		-	-	3:41	51	9:47	259	16:07	58	22:07	260	-	-	04:35	50	10:30	278	17:03	53	22:49	274	-	-	4:49	52	10:58	302	17:17	60	23:15	304
10-6	din		-	-	4:24	49	10:29	266	16:51	53	22:49	260	-	-	05:17	50	11:06	289	17:42	50	23:26	281	-	-	5:34	50	11:40	310	18:02	55	23:57	305
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15-6	zon		1:25	251	7:16	45	13:30	282	19:57	40	-	-	02:31	292	08:27	70	14:36	319	21:01	65	-	-	2:37	293	8:41	50	14:44	323	21:18	43	-	-
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17-6	din		2:58	244	8:41	51	15:06	281	21:26	44	-	-	03:48	274	09:40	70	15:51	316	22:21	53	-	-	4:03	283	10:02	55	16:12	323	22:44	46	-	-
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19-6	don		4:38	237	10:30	61	16:48	276	23:20	51	-	-	05:23	274	11:19	50	17:32	318	-	-	-	-	5:42	277	11:44	62	17:54	318	-	-	-	-
20-6	vry		5:34	237	11:34	63	17:46	273	-	-	-	-	-	-	00:01	40	06:19	275	12:15	60	18:29	313	-	-	0:31	50	6:38	277	12:43	64	18:53	316
21-6	zat		-	-	0:24	51	6:37	240	12:41	61	18:54	272	-	-	00:59	40	07:20	273	13:16	66	19:32	304	-	-	1:32	51	7:41	280	13:49	64	20:01	314
22-6	zon		-	-	1:29	50	7:42	248	13:51	55	20:05	273	-	-	02:06	50	08:28	271	14:26	68	20:42	296	-	-	2:37	50	8:46	288	15:00	59	21:12	316
23-6	maa		-	-	2:31	47	8:43	259	14:57	48	21:11	276	-	-	03:15	50	09:36	272	15:37	60	21:54	291	-	-	3:41	48	9:49	299	16:09	52	22:20	318
24-6	din		-	-	3:30	46	9:40	271	16:04	41	22:12	276	-	-	04:18	50	10:35	278	16:43	46	23:01	291	-	-	4:45	47	10:52	312	17:21	43	23:25	319
25-6	woe		-	-	4:29	155	10:34	281	17:13	34	23:12	275	-	-	05:19	40	11:28	289	17:53	31	-	-	-	-	5:49	178	11:52	322	18:27	33	-	-
26-6	don		-	-	5:29	46	11:26	288	18:13	28	-	-	00:01	293	06:21	30	12:19	300	18:57	19	-	-	0:27	318	6:47	44	12:46	331	19:21	25	-	-
27-6	vry		0:08	270	6:21	45	12:18	293	19:03	25	-	-	00:57	295	07:16	30	13:09	309	19:51	18	-	-	1:22	314	7:36	43	13:35	336	20:09	21	-	-
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30-6	maa		2:31	254	8:24	43	14:38	292	21:03	32	-	-	03:22	280	09:29	70	15:24	310	22:03	70	-	-	3:41	295	9:38	43	15:45	335	22:13	31	-	-
1-7	din		3:13	249	9:03	45	15:21	287	21:41	39	-	-	04:02	274	10:01	88	16:03	310	22:40	78	-	-	4:22	289	10:16	47	16:27	329	22:51	40	-	-
2-7	woe		3:55	244	9:44	50	16:03	279	22:20	49	-	-	04:42	273	10:34	80	16:47	309	23:21	76	-	-	5:02	284	10:54	54	17:10	321	23:30	52	-	-
3-7	don		4:37	240	10:25	59	16:46	269	23:03	59	-	-	05:28	273	11:19	80	17:40	303	-	-	-	-	5:44	280	11:35	63	17:55	311	-	-	-	-
4-7	vry		5:23	237	11:11	68	17:33	259	23:51	68	-	-	-	-	00:09	70	06:20	273	12:18	82	18:39	293	-	-	0:12	63	6:29	277	12:20	74	18:44	301
5-7	zat		6:15	237	12:03	77	18:29	252	-	-	-	-	-	-	01:04	60	07:14	271	13:24	80	19:39	281	-	-	1:01	73	7:20	277	13:15	85	19:40	293
6-7	zon		-	-	0:48	74	7:13	240	13:09	82	19:34	248	-	-	02:02	70	08:09	269	14:29	79	20:37	272	-	-	2:02	79	8:17	280	14:28	90	20:42	289
7-7	maa		-	-	1:55	74	8:13	248	14:24	80	20:37	249	-	-	03:01	70	09:03	273	15:30	78	21:31	269	-	-	3:07	78	9:17	288	15:39	86	21:45	291
8-7	din		-	-	2:56	70	9:09	258	15:27	72	21:36	253	-	-	03:56	70	09:56	284	16:27	76	22:23	276	-	-	4:06	73	10:17	299	16:39	78	22:44	295
9-7	woe		-	-	3:48	64	10:01	267	16:20	63	22:28	257	-	-	04:47	70	10:46	301	17:19	73	23:13	287	-	-	5:00	67	11:11	310	17:33	68	23:36	300
10-7	don		-	-	4:35	157	10:47	275	17:09	55	23:15	259	-	-	05:35	70	11:36	318	18:07	68	-	-	-	-	5:50	179	11:59	319	18:23	59	-	-
11-7	vry		-	-	5:16	55	11:28	281	17:55	49	23:58	260	00:05	297	06:21	60	12:24	328	18:52	62	-	-	0:23	302	6:36	58	12:41	325	19:09	51	-	-
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14-7	maa		1:17	259	7:16	47	13:19	294	20:04	37	-	-	02:23	289	08:20	60	14:24	321	20:53	49	-	-	2:29	300	8:40	49	14:34	336	21:15	36	-	-
15-7	din		1:57	258	7:58	46	14:03	296	20:44	38	-	-	02:59	281	08:54	60	14:58	320	21:29	44	-	-	3:09	298	9:19	48	15:14	337	21:55	36	-	-
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datum	dag	maanstand	Huibertgat			53.5667° N, 6.4000° O						Borkum Fischerbalje						53.5575° N, 6.7478° O						Eemshaven			53.4500° N, 6.8333° O					
			HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm				
25-7	vry	-	-	5:26	55	11:23	295	18:09	32	-	-	-	-	06:19	40	12:13	315	18:55	28	-	-	0:24	315	6:38	53	12:37	339	19:13	27	-	-	
26-7	zat	0:04	269	6:17	50	12:10	299	18:55	29	-	-	00:52	303	07:11	40	13:01	323	19:43	35	-	-	1:15	313	7:25	47	13:23	343	19:58	25	-	-	
27-7	zon	0:48	266	6:58	46	12:53	301	19:33	30	-	-	01:40	301	07:56	50	13:44	324	20:24	52	-	-	2:01	309	8:07	44	14:04	344	20:37	26	-	-	
28-7	maa	1:27	262	7:33	43	13:33	300	20:06	32	-	-	02:22	294	08:33	70	14:22	321	21:01	68	-	-	2:40	304	8:43	42	14:42	342	21:13	31	-	-	
29-7	din	2:04	259	8:06	40	14:11	296	20:37	36	-	-	02:56	287	09:04	80	14:55	317	21:32	75	-	-	3:15	299	9:17	41	15:18	338	21:45	37	-	-	
30-7	woe	2:39	257	8:40	41	14:47	289	21:08	43	-	-	03:25	283	09:30	80	15:26	315	22:01	72	-	-	3:48	296	9:50	43	15:53	330	22:17	46	-	-	
31-7	don	3:13	253	9:13	46	15:22	279	21:40	53	-	-	03:57	284	09:57	70	16:02	310	22:34	68	-	-	4:20	292	10:22	49	16:27	320	22:47	57	-	-	
1-8	vry	3:47	248	9:47	56	15:55	268	22:13	64	-	-	04:38	283	10:34	72	16:47	301	23:13	70	-	-	4:52	288	10:55	59	17:00	309	23:20	68	-	-	
2-8	zat	4:22	244	10:24	68	16:31	256	22:49	75	-	-	05:27	279	11:21	70	17:43	287	-	-	-	-	5:29	284	11:30	71	17:39	297	23:57	79	-	-	
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4-8	maa	6:08	239	12:04	91	18:27	239	-	-	-	-	-	-	00:58	100	07:17	275	13:26	105	19:44	270	-	-	0:44	91	7:18	279	13:10	100	19:41	279	
5-8	din	-	-	0:38	93	7:23	244	13:25	95	19:51	240	-	-	02:05	110	08:17	283	14:40	111	20:46	274	-	-	1:51	101	8:28	283	14:40	105	20:59	280	
6-8	woe	-	-	2:06	91	8:32	255	14:52	85	21:07	248	-	-	03:14	110	09:21	300	15:52	106	21:53	286	-	-	3:20	98	9:38	295	16:02	93	22:13	288	
7-8	don	-	-	3:17	80	9:34	268	15:56	70	22:10	257	-	-	04:18	100	10:27	319	16:57	93	23:00	298	-	-	4:29	86	10:43	309	17:07	77	23:15	298	
8-8	vry	-	-	4:13	70	10:27	280	16:52	57	23:01	263	-	-	05:14	80	11:22	334	17:50	77	23:56	306	-	-	5:28	75	11:36	322	18:03	62	-	-	
9-8	zat	-	-	5:03	157	11:12	288	17:45	47	23:45	266	-	-	06:04	70	12:10	339	18:36	61	-	-	0:06	305	6:19	65	12:21	331	18:53	49	-	-	
10-8	zon	-	-	5:51	56	11:50	294	18:32	40	-	-	00:44	305	06:47	60	12:53	335	19:18	50	-	-	0:52	309	7:05	56	13:02	338	19:37	39	-	-	
11-8	maa	0:24	267	6:37	50	12:25	300	19:15	35	-	-	01:26	298	07:27	50	13:29	330	19:58	42	-	-	1:34	309	7:48	49	13:39	342	20:19	32	-	-	
12-8	din	1:00	268	7:19	45	13:03	303	19:56	33	-	-	02:03	292	08:03	50	14:02	329	20:35	37	-	-	2:13	309	8:29	43	14:16	345	20:59	30	-	-	
13-8	woe	1:36	267	8:00	43	13:44	304	20:33	37	-	-	02:36	290	08:38	40	14:37	333	21:10	35	-	-	2:50	307	9:08	40	14:54	345	21:38	33	-	-	
14-8	don	2:13	266	8:37	43	14:26	301	21:09	44	-	-	03:11	292	09:14	30	15:17	337	21:46	38	-	-	3:25	304	9:46	41	15:34	341	22:15	42	-	-	
15-8	vry	2:52	263	9:13	47	15:08	294	21:42	54	-	-	03:49	294	09:52	30	16:01	332	22:23	47	-	-	4:01	300	10:24	44	16:15	334	22:52	53	-	-	
16-8	zat	3:33	259	9:51	52	15:53	283	22:19	65	-	-	04:31	291	10:33	40	16:48	318	23:02	62	-	-	4:40	297	11:03	51	17:01	322	23:33	66	-	-	
17-8	zon	4:18	255	10:39	61	16:47	269	23:11	78	-	-	05:18	283	11:19	60	17:41	296	23:49	79	-	-	5:27	293	11:50	62	17:57	308	-	-	-	-	
18-8	maa	5:20	252	11:45	71	18:03	257	-	-	-	-	06:14	272	12:17	70	18:54	275	-	-	-	-	-	-	0:23	81	6:31	290	12:51	75	19:14	296	
19-8	din	-	-	0:24	88	6:46	254	13:11	75	19:39	254	-	-	00:59	90	07:34	266	14:01	85	20:28	268	-	-	1:33	94	7:51	293	14:17	81	20:47	294	
20-8	woe	-	-	1:50	88	8:10	266	14:38	66	21:07	261	-	-	02:49	90	09:05	276	15:30	73	21:52	279	-	-	2:59	94	9:19	305	15:48	72	22:12	302	
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22-8	vry	-	-	4:22	65	10:25	295	17:07	38	23:07	273	-	-	05:14	60	11:11	321	17:54	43	23:50	310	-	-	5:32	66	11:33	338	18:09	35	-	-	
23-8	zat	-	-	5:20	156	11:13	302	17:57	32	23:50	272	-	-	06:10	50	12:00	335	18:43	44	-	-	0:15	317	6:25	54	12:22	345	18:57	29	-	-	
24-8	zon	-	-	6:05	50	11:53	304	18:37	34	-	-	00:39	312	06:56	60	12:43	337	19:25	56	-	-	1:01	315	7:09	48	13:03	346	19:38	31	-	-	
25-8	maa	0:26	269	6:41	47	12:29	303	19:10	38	-	-	01:19	306	07:35	70	13:18	331	20:00	69	-	-	1:39	311	7:46	46	13:38	345	20:13	37	-	-	
26-8	din	0:57	268	7:12	44	13:03	300	19:38	42	-	-	01:49	297	08:06	80	13:47	324	20:28	75	-	-	2:10	308	8:19	44	14:10	341	20:43	42	-	-	
27-8	woe	1:27	267	7:41	42	13:37	295	20:04	46	-	-	02:11	293	08:30	80	14:14	320	20:52	70	-	-	2:37	306	8:50	43	14:42	336	21:11	47	-	-	
28-8	don	1:58	266	8:11	44	14:10	287	20:32	52	-	-	02:36	296	08:52	70	14:44	318	21:18	63	-	-	3:04	305	9:19	45	15:13	327	21:39	55	-	-	
29-8	vry	2:29	263	8:41	51	14:40	275	20:58	62	-	-	03:09	299	09:20	60	15:19	312	21:47	66	-	-	3:32	302	9:48	52	15:42	316	22:05	64	-	-	
30-8	zat	2:56	258	9:09	61	15:07	264	21:23	71	-	-	03:48	297	09:54	70	15:58	302	22:18	83	-	-	3:59	298	10:17	62	16:10	305	22:33	73	-	-	
31-8	zon	3:21	253	9:39	72	15:39	253	21:54	81	-	-	04:31	292	10:33	80	16:45	289	22:53	107	-	-	4:26	294	10:48	73	16:43	295	23:05	82	-	-	
1-9	maa	3:57	249	10:19	84	16:29	242	22:39	92	-	-	05:20	288	11:20	112	17:41	279	23:39	132	-	-	5:04	289	11:27	86	17:32	283	23:48	95	-	-	
2-9	din	4:58	245	11:16	97	17:38	235	23:40	103	-	-	06:17	289	12:23	130	18:44	276	-	-	-	-	6:06	283	12:20	101	18:42	273	-	-	-	-	
3-9	woe	6:19	246	12:34	104	19:07	235	-	-	-	-	-	-	00:47	140	07:23	297	13:41	142	19:54	281	-	-	0:47	110	7:33	282	13:38	113	20:15	273	
4-9	don	-	-	1:07	107	7:50	256	14:20	93	20:39	245	-	-	02:08	140	08:39	312	15:06	129	21:15	292	-	-	2:19	117	8:58	293	15:26	102	21:42	284	
5-9	vry	-	-	2:46	95	9:06	271	15:33	73	21:49	259	-	-	03:32	120	09:56	330	16:24	104	22:34	304	-	-	3:58	102	10:12	311	16:39	79	22:51	299	
6-9	zat	-	-	3:52	79	10:04	285	16:33	57	22:41	268	-	-	04:41	100	10:55	341	17:21	78	23:31	309	-	-	5:03	83	11:09	327	17:38	60	23:44	310	
7-9	zon	-	-	4:47	157	10:50	295	17:25	45	23:24	273	-	-	05:35	80	11:43	341	18:09	59	-	-	-	-	5:57	180	11:56	338	18:29	45	-	-	
8-9	maa	-	-	5:37	58	11:29	301	18:12	39	-	-	00:18	306	06:21	60	12:24	336	18:52	48	-	-	0:30	315	6:44	56	12:38	345	19:14	36	-	-	
9-9	din	0:01	274	6:23	50	12:05	306	18:55	36	-	-	00:58	300	07:01	50	12:58	334	19:32	43	-	-	1:12	316	7:28	47	13:16	348	19:56	31	-	-	
10-9	woe	0:35	276	7:06	44																											

datum	dag	maanstand	Huibertgat		53.5667° N, 6.4000° O				Borkum Fischerbalje		53.5575° N, 6.7478° O				Eemshaven		53.4500° N, 6.8333° O														
			HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm					
17-9	woe	-	-	0:06	105	6:36	262	13:10	82	19:39	249	-	-	01:11	110	07:23	274	14:10	95	20:29	266	-	-	1:14	112	7:39	300	14:13	87	20:41	289
18-9	don	-	-	1:45	100	8:01	274	14:40	67	21:00	261	-	-	02:43	100	08:56	291	15:30	82	21:47	287	-	-	2:51	106	9:07	313	15:42	71	22:03	301
19-9	vry	-	-	3:05	83	9:14	290	15:53	49	22:03	271	-	-	03:55	90	10:03	319	16:43	65	22:47	310	-	-	4:11	86	10:19	331	16:55	49	23:07	314
20-9	zat	-	-	4:10	66	10:10	301	16:49	38	22:51	276	-	-	05:00	70	10:57	341	17:37	56	23:38	320	-	-	5:14	67	11:16	343	17:49	36	23:58	319
21-9	zon	-	-	5:01	156	10:54	304	17:34	38	23:28	275	-	-	05:52	70	11:43	347	18:22	59	-	-	-	-	6:04	179	12:01	347	18:33	36	-	-
22-9	maa	-	-	5:43	53	11:28	303	18:10	43	23:56	273	00:21	316	06:35	70	12:19	339	18:59	68	-	-	0:39	317	6:45	52	12:36	344	19:11	43	-	-
23-9	din	-	-	6:17	52	11:58	300	18:39	50	-	-	00:52	306	07:10	70	12:47	326	19:29	74	-	-	1:09	314	7:20	52	13:05	341	19:42	50	-	-
24-9	woe	0:19	274	6:45	51	12:29	296	19:03	53	-	-	01:09	299	07:36	70	13:11	319	19:51	70	-	-	1:30	313	7:51	51	13:34	337	20:09	54	-	-
25-9	don	0:47	276	7:12	50	13:02	290	19:28	56	-	-	01:29	302	07:56	70	13:40	317	20:15	63	-	-	1:54	315	8:19	50	14:05	331	20:35	57	-	-
26-9	vry	1:19	276	7:40	53	13:34	280	19:53	63	-	-	02:00	309	08:22	60	14:15	316	20:43	65	-	-	2:22	315	8:48	53	14:35	322	21:01	63	-	-
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28-9	zon	2:13	267	8:31	69	14:29	258	20:37	76	-	-	03:15	310	09:25	80	15:29	301	21:34	109	-	-	3:13	308	9:42	68	15:29	301	21:51	77	-	-
29-9	maa	2:36	263	8:59	77	15:01	249	21:10	83	-	-	03:49	305	09:57	110	16:07	291	21:58	134	-	-	3:37	305	10:11	76	16:02	292	22:22	84	-	-
30-9	din	3:15	259	9:40	86	15:56	239	21:57	94	-	-	04:28	303	10:37	130	16:58	283	22:41	151	-	-	4:15	300	10:50	86	16:53	281	23:06	96	-	-
1-10	woe	4:19	254	10:38	98	17:09	232	23:01	108	-	-	05:24	306	11:42	149	18:02	282	23:55	159	-	-	5:17	293	11:44	100	18:04	271	-	-	-	-
2-10	don	5:34	253	11:58	105	18:34	234	-	-	-	-	06:33	312	12:59	140	19:16	287	-	-	-	-	-	-	0:06	112	6:37	289	13:00	111	19:36	271
3-10	vry	-	-	0:25	114	7:00	260	13:44	95	20:07	245	-	-	01:18	140	07:53	322	14:21	125	20:43	297	-	-	1:29	122	8:13	297	14:47	101	21:08	283
4-10	zat	-	-	2:06	104	8:29	274	15:02	73	21:17	260	-	-	02:40	120	09:17	334	15:39	95	22:02	309	-	-	3:16	110	9:35	314	16:04	77	22:18	300
5-10	zon	-	-	3:18	85	9:31	289	16:01	57	22:10	271	-	-	03:57	100	10:21	342	16:43	70	23:01	314	-	-	4:27	88	10:35	331	17:04	57	23:13	312
6-10	maa	-	-	4:16	71	10:19	299	16:54	47	22:53	277	-	-	04:59	80	11:10	341	17:35	56	23:47	311	-	-	5:25	71	11:24	342	17:57	45	-	-
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27-10	maa	0:41	276	7:00	73	13:02	254	19:03	77	-	-	01:53	324	08:06	101	14:14	301	20:07	126	-	-	1:39	317	8:14	74	14:00	296	20:17	79	-	-
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29-10	woe	1:54	268	8:14	84	14:40	238	20:28	92	-	-	02:58	319	09:19	134	15:37	286	21:16	147	-	-	2:49	309	9:25	86	15:33	279	21:38	94	-	-
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datum	dag	maanstand	Huibertgat		53.5667° N, 6.4000° O						Borkum Fischerbalje						53.5575° N, 6.7478° O						Eemshaven		53.4500° N, 6.8333° O							
			HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm				
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11-11	din		1:39	290	8:15	58	14:28	259	20:18	84	-	-	02:25	317	08:57	62	15:14	280	20:55	99	-	-	2:46	329	9:22	57	15:33	298	21:31	87	-	-
12-11	woe		2:38	285	9:07	69	15:30	249	21:12	95	-	-	03:19	308	10:03	86	16:14	268	21:48	120	-	-	3:43	325	10:14	69	16:32	288	22:24	99	-	-
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20-11	don	-	-	-	4:10	69	9:57	282	16:21	67	22:13	283	-	-	05:05	67	10:41	294	17:11	66	22:53	306	-	-	5:18	180	11:05	323	17:30	69	23:22	324
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9-12	din	-	0:39	300	7:21	45	13:24	266	19:21	66	-	-	01:25	321	08:10	44	14:11	287	20:18	80	-	-	1:47	340	8:27	42	14:30	306	20:35	68	-	-
10-12	woe	-	1:31	298	8:05	51	14:15	258	20:05	71	-	-	02:14	316	09:01	65	15:01	276	21:02	98	-	-	2:36	338	9:12	49	15:19	297	21:18	73	-	-
11-12	don	-	2:23	293	8:50	59	15:06	251	20:51	77	-	-	03:02	312	09:51	84	15:51	270	21:48	110	-	-	3:26	333	9:58	58	16:09	290	22:03	80	-	-
12-12	vry	-	3:16	287	9:39	68	15:58	245	21:42	84	-	-	03:55	310	10:42	93	16:45	270	22:47	113	-	-	4:18	327	10:47	69	17:00	284	22:53	88	-	-
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16-12	din	-	-	-	0:55	91	7:10	267	13:32	80	19:42	256	-	-	01:54	85	08:06	290	14:22	72	20:39	278	-	-	2:06	95	8:16	307	14:38	83	20:49	296
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18-12	don	-	-	-	2:50	79	8:53	268	15:08	73	21:12	274	-	-	03:52	72	09:45	274	16:02	73	21:55	289	-	-	4:00	82	10:00	309	16:17	77	22:21	315
19-12	vry	-	-	-	3:36	74	9:35	268	15:49	71	21:51	280	-	-	04:35	71	10:21	278	16:42	75	22:31	304	-	-	4:47	77	10:42	310	16:59	74	23:00	322
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21-12	zon	-	-	-	4:55	68	10:51	265	16:55	68	23:00	287	-	-	05:49	71	11:45	302	18:01	78	23:58	332	-	-	6:08	69	11:59	308	18:14	70	-	-
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25-12	don	-	0:45	291	7:10	61	13:25	253	19:11	64	-	-	01:47	321	08:19	80	14:23	279	20:15	93	-	-	1:51	331	8:33	63	14:28	294	20:32	69	-	-
26-12	vry	-	1:32</																													