



Referentievlak :LAT				Den Helder 52.9667° N, 4.7500° O						Texel Noordzee 53.1167° N, 4.7333° O						
				Lat= NAP		-125				LAT=NAP		-143				
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	
11-2	maa	23:26	EK			5:04	52	8:43	173	17:10	34	23:25	191	5:26	57	
12-2	din					5:30	54	9:25	175	18:01	39	23:06	185	5:48	61	
13-2	woe					6:20	57	10:45	176	18:43	44	23:24	184	6:41	67	
14-2	don					7:08	61	11:45	175	19:56	50	0:30	178	7:24	73	
15-2	vry				0:30	178	8:28	65	12:54	174	21:15	53	0:34	205	8:49	78
16-2	zat				3:20	173	10:05	61	13:59	175	22:46	48	2:12	200	10:26	71
17-2	zon				5:22	178	11:15	52	17:59	183	0:00	40	5:25	207	11:30	57
18-2	maa					0:00	40	6:30	181	12:35	45	19:05	194	0:16	43	
19-2	din	16:53	VM			1:26	30	7:38	179	13:47	36	20:00	201	1:29	29	
20-2	woe					2:26	17	8:50	177	14:43	25	20:55	207	2:26	16	
21-2	don					3:16	9	9:48	175	15:26	16	21:40	211	3:18	8	
22-2	vry					4:01	7	10:36	173	16:12	11	22:15	212	4:03	5	
23-2	zat					4:43	11	10:58	170	16:52	10	23:00	208	4:43	8	
24-2	zon					5:22	21	11:12	167	17:26	14	23:32	200	5:22	18	
25-2	maa					5:56	34	8:49	170	17:56	23	0:09	188	5:57	33	
26-2	din	12:28	LK		0:09	188	6:22	47	10:07	172	18:28	34	23:48	177	0:05	222
27-2	woe					6:45	56	11:10	172	19:05	45	0:20	170	7:06	64	
28-2	don				0:20	170	7:29	64	12:24	169	19:58	56	0:27	196	7:45	75
1-3	vry				1:37	164	8:37	68	14:13	170	21:50	60	1:25	188	8:44	81
2-3	zat				2:32	162	10:15	61	15:37	176	23:00	52	2:48	186	10:30	75
3-3	zon				3:40	164	11:25	50	18:08	184	0:21	45	3:34	188	11:51	61
4-3	maa					0:21	45	6:48	166	12:21	41	19:05	193	0:36	50	
5-3	din					1:16	39	7:39	167	13:16	36	19:45	196	1:26	42	
6-3	woe	17:04	NM			1:56	37	5:27	167	14:01	33	20:10	197	2:01	38	
7-3	don					2:33	36	5:45	169	14:36	31	20:36	198	2:37	37	
8-3	vry					3:09	35	7:34	170	15:11	27	21:22	199	3:12	36	
9-3	zat					3:42	34	8:13	173	15:41	24	21:40	199	3:43	35	
10-3	zon					4:06	35	9:01	175	16:06	23	22:00	196	4:11	37	
11-3	maa					4:31	38	9:50	175	16:36	25	22:29	191	4:35	40	
12-3	din					4:50	43	8:04	173	17:05	29	23:05	184	5:05	45	
13-3	woe					5:04	46	8:45	177	17:29	34	21:14	176	5:31	51	
14-3	don	11:27	EK			5:38	50	9:43	176	18:14	40	22:41	171	6:11	60	
15-3	vry					6:28	56	11:24	174	19:25	47	0:04	164	6:55	69	
16-3	zat				0:04	164	7:38	63	12:24	171	20:55	50	0:09	189	8:14	77
17-3	zon				3:24	159	9:32	62	15:23	173	22:31	43	3:27	186	9:55	73
18-3	maa				5:05	166	10:55	51	17:29	185	23:55	32	5:05	196	11:16	58
19-3	din				6:19	170	12:22	41	18:35	196	1:15	19	0:06	35	6:19	205
20-3	woe					1:15	19	7:28	171	13:31	28	19:32	201	1:13	19	
21-3	don	2:43	VM			2:09	8	8:40	171	14:24	17	20:24	204	2:12	8	
22-3	vry					2:56	3	9:36	172	15:08	8	21:10	205	2:56	1	
23-3	zat					3:38	4	10:16	172	15:52	4	21:50	203	3:39	2	
24-3	zon					4:16	10	10:21	172	16:26	3	22:29	197	4:18	8	
25-3	maa					4:52	21	10:12	173	17:01	10	22:54	187	4:51	18	
26-3	din					5:16	33	10:48	173	17:26	20	23:20	174	5:16	32	
27-3	woe					5:36	42	10:28	173	17:56	32	23:24	164	5:46	46	
28-3	don	5:10	LK			6:02	49	11:17	173	18:25	45	23:42	157	6:15	59	
29-3	vry					6:39	57	12:37	171	19:25	56	1:08	152	6:55	70	
30-3	zat				1:08	152	7:39	64	13:50	172	20:31	63	1:14	174	7:53	79
31-3	zon				3:00	151	10:17	64	15:52	175	23:35	54	3:18	173	10:17	80
1-4	maa				4:17	154	11:50	52	18:16	181	0:35	43	4:06	177	12:15	66
2-4	din					0:35	43	7:19	158	12:56	41	19:25	190	0:56	50	
3-4	woe					1:36	35	8:04	164	13:40	34	20:08	193	1:46	39	
4-4	don					2:25	31	8:38	166	14:35	31	20:45	194	2:26	32	
5-4	vry	10:50	NM			3:01	28	9:14	168	15:15	28	21:20	194	3:07	29	
6-4	zat					3:36	27	9:42	170	15:52	24	21:52	193	3:45	27	

Referentievlak :LAT				Den Helder 52.9667° N, 4.7500° O								Texel Noordzee 53.1167° N, 4.7333° O											
				Lat= NAP		-125						LAT=NAP		-143									
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm				
7-4	zon					4:16	26	9:52	172	16:21	21	22:15	192			4:16	26	10:01	209	16:27	24	21:55	230
8-4	maa					4:47	27	9:45	176	16:55	20	22:28	189			4:46	28	10:09	213	16:57	23	22:30	229
9-4	din					5:15	31	10:30	178	17:26	23	22:54	183			5:15	32	10:45	214	17:26	25	23:10	221
10-4	woe					5:35	37	11:05	177	17:59	28	23:40	175			5:45	38	11:20	211	18:05	30	23:45	209
11-4	don					5:49	42	9:15	176	18:30	34	0:14	165			6:16	46	9:26	207	18:35	38	0:30	195
12-4	vry	21:06	EK	0:14	165	6:18	46	12:06	173	19:14	40	23:40	157	0:30	195	6:45	55	10:24	203	19:29	48	23:15	183
13-4	zat					7:00	52	12:15	172	20:25	46	0:41	149			7:40	66	12:12	198	20:35	56		
14-4	zon			0:41	149	8:01	60	14:57	172	21:55	46			2:58	174	8:50	73	13:54	196	22:06	55		
15-4	maa			4:17	150	10:13	58	16:34	180	23:15	36			4:25	179	10:36	69	16:45	208	23:35	42		
16-4	din			5:49	157	11:35	47	18:04	190	0:41	25			5:48	189	11:56	55	17:55	222	0:45	27		
17-4	woe					0:41	25	6:58	162	12:55	37	19:00	197			0:45	27	6:56	199	13:05	40	19:00	233
18-4	don					1:51	15	8:12	165	14:09	26	20:03	198			1:51	16	7:56	205	14:12	27	19:55	238
19-4	vry	13:12	VM			2:46	8	9:21	167	15:02	17	20:41	196			2:46	8	8:37	208	15:03	16	20:40	240
20-4	zat					3:33	8	10:11	169	15:48	10	21:34	194			3:33	8	9:25	211	15:50	9	21:25	238
21-4	zon					4:16	11	10:39	171	16:28	7	22:14	190			4:13	11	10:00	214	16:29	6	22:05	234
22-4	maa					4:52	18	10:04	177	17:06	9	22:41	183			4:46	17	10:20	218	17:03	7	22:34	225
23-4	din					5:16	25	10:49	181	17:36	15	23:28	173			5:16	24	10:55	219	17:36	14	23:14	212
24-4	woe					5:30	30	11:28	181	17:55	24	23:32	162			5:40	31	11:25	216	18:06	25	23:52	196
25-4	don					5:56	35	11:57	179	18:30	35	23:51	154			6:10	41	11:48	210	18:45	40	0:18	181
26-4	vry					6:20	41	12:47	176	19:05	47	0:27	148	0:18	181	6:45	52	12:20	204	19:15	55	0:56	170
27-4	zat	0:18	LK	0:27	148	7:00	48	13:38	174	19:55	57			0:56	170	7:26	63	13:14	199	20:05	67		
28-4	zon			1:21	144	7:50	55	14:11	174	20:50	62			1:50	165	8:02	71	14:19	197	21:13	74		
29-4	maa			2:34	145	9:00	60	15:38	176	22:42	58			2:40	165	9:04	75	15:18	200	22:54	69		
30-4	din			3:39	148	10:47	57	17:08	180	23:56	46			3:41	170	10:32	72	17:07	205	0:00	54		
1-5	woe			5:36	153	12:08	47	18:29	186	0:45	36					0:00	54	6:04	180	12:20	58	18:35	214
2-5	don					0:45	36	7:08	161	13:00	39	19:25	190			0:56	41	7:10	191	13:16	47	19:24	221
3-5	vry					1:36	30	7:55	167	13:56	35	20:12	191			1:45	32	7:55	200	14:01	38	20:06	224
4-5	zat					2:25	26	8:43	170	14:46	31	20:56	190			2:29	26	8:39	205	14:46	32	20:46	224
5-5	zon	0:45	NM			3:07	24	9:25	173	15:21	26	21:24	188			3:07	24	9:12	209	15:26	27	21:15	224
6-5	maa					3:46	23	10:04	174	16:05	23	21:59	184			3:46	23	9:32	212	16:01	23	21:45	223
7-5	din					4:25	25	9:25	177	16:41	21	22:07	180			4:16	25	9:49	217	16:41	22	22:09	221
8-5	woe					4:55	29	10:08	181	17:16	24	22:40	175			4:54	29	10:25	220	17:11	24	22:55	213
9-5	don					5:15	34	10:55	183	17:55	28	23:18	166			5:25	35	11:05	219	17:51	29	23:35	201
10-5	vry					5:39	39	11:40	183	18:36	34	23:58	157			5:56	42	11:45	215	18:36	37	0:18	187
11-5	zat					6:08	43	12:39	181	19:20	39			0:18	187	6:35	51	12:34	210	19:30	44		
12-5	zon	3:12	EK	1:15	148	6:58	48	13:45	181	20:31	42			1:41	176	7:35	60	13:49	206	20:36	49		
13-5	maa			2:38	144	8:29	53	15:04	183	21:48	40			3:00	173	8:56	65	15:15	209	21:56	46		
14-5	din			3:52	146	9:53	50	16:22	188	23:06	32			4:11	178	10:11	60	16:25	217	23:15	36		
15-5	woe			5:29	152	11:16	43	17:39	193	0:10	25			5:15	186	11:25	51	17:30	226	0:16	27		
16-5	don					0:10	25	6:38	157	12:25	36	18:34	195			0:16	27	6:25	194	12:36	41	18:36	230
17-5	vry					1:25	21	7:48	161	13:36	30	19:28	192			1:24	22	7:20	200	13:46	32	19:25	231
18-5	zat	23:11	VM			2:22	19	8:50	165	14:39	23	20:02	187			2:16	20	8:14	204	14:42	24	20:10	228
19-5	zon					3:06	19	8:14	168	15:26	19	20:57	182			3:06	21	8:48	209	15:26	19	20:47	224
20-5	maa					3:46	24	8:47	176	16:05	18	21:12	177			3:46	26	9:10	216	16:06	19	21:30	219
21-5	din					4:22	27	9:32	183	16:41	20	21:52	171			4:17	29	9:45	223	16:41	20	22:10	211
22-5	woe					4:30	29	10:27	188	17:06	25	22:40	164			4:45	30	10:25	226	17:06	25	22:48	200
23-5	don					4:55	28	11:14	189	17:36	32	23:10	156			5:06	32	11:00	224	17:45	33	23:17	188
24-5	vry					5:25	31	11:59	186	18:05	41	23:35	149			5:45	38	11:38	218	18:16	45	23:58	176
25-5	zat					5:55	36	12:38	182	18:40	50	23:54	145			6:16	47	12:22	211	18:56	57	22:34	169
26-5	zon	18:34	LK			6:30	41	13:18	179	19:25	57					6:56	55	13:08	205	19:42	66		
27-5	maa			1:01	143	7:10	46	13:57	178	20:15	60			1:25	163	7:35	62	13:58	202	20:29	71		
28-5	din			1:52	143	8:13	51	14:58	178	21:14	59			2:22	164	8:30	67	14:44	203	21:39	70		
29-5	woe			2:50	146	9:15	52	16:16	179	22:49	53			3:02	168	9:30	68	15:37	205	22:55	61		
30-5	don			5:03	150	10:15	51	17:39	183	23:50	42			5:11	176	10:59	65	17:39	208	0:06	49		
31-5	vry			6:15	159	11:44	46	18:41	187	0:45	34					0:06	49	6:25	188	12:15	56	18:35	215

Referentievlak :LAT				Den Helder 52.9667° N, 4.7500° O								Texel Noordzee 53.1167° N, 4.7333° O													
				Lat= NAP		-125		HW cm		lw cm		HW cm		lw cm		LAT=NAP		-143		HW cm		lw cm		HW cm	
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
1-6	zat					0:45	34	7:20	166	13:06	41	19:30	189			0:56	38	7:16	199	13:16	46	19:33	219		
2-6	zon					1:41	29	8:15	172	13:55	36	20:26	187			1:49	30	8:06	206	14:06	38	20:16	220		
3-6	maa	12:02	NM			2:26	27	9:00	176	14:52	31	21:05	184			2:36	27	8:41	212	14:55	31	20:50	219		
4-6	din					3:15	26	9:45	178	15:42	27	21:48	178			3:16	26	9:13	216	15:45	27	21:18	217		
5-6	woe					3:56	28	9:15	180	16:26	25	21:30	173			3:56	27	9:37	221	16:26	25	22:00	213		
6-6	don					4:36	30	9:54	186	17:11	25	22:10	167			4:35	30	10:04	226	17:06	26	22:35	206		
7-6	vry					5:16	34	10:40	190	17:57	28	23:04	161			5:11	34	10:46	228	17:56	29	23:30	197		
8-6	zat					5:51	37	11:34	192	18:42	31	0:00	154			5:56	40	11:34	227	18:41	33	0:40	187		
9-6	zon			0:00	154	6:30	40	12:40	193	19:35	35			0:40	187	6:46	46	12:42	224	19:35	38	1:45	180		
10-6	maa	7:59	EK	1:18	148	7:18	42	13:38	193	20:35	37			1:45	180	7:45	51	13:56	222	20:31	40	2:56	177		
11-6	din			2:38	145	8:25	43	14:53	193	21:30	36			2:56	177	8:45	53	14:55	222	21:36	40	3:50	180		
12-6	woe			3:42	147	9:36	43	15:59	193	22:36	35			3:50	180	9:50	52	16:06	223	22:45	38	4:55	185		
13-6	don			4:48	151	10:35	41	17:00	193	23:35	33			4:55	185	10:56	50	17:05	224	23:45	35	5:49	191		
14-6	vry			5:43	156	11:49	39	18:08	190	0:46	33			5:49	191	12:06	45	17:54	224	0:51	34	6:44	198		
15-6	zat					0:46	33	7:14	162	13:10	37	19:08	185			0:51	34	6:44	198	13:16	40	18:50	221		
16-6	zon					1:46	33	8:14	168	14:16	33	19:13	179			1:49	34	7:48	204	14:17	35	19:32	216		
17-6	maa	10:31	VM			2:37	33	7:05	175	15:05	30	19:32	174			2:37	36	7:56	212	15:06	32	20:12	211		
18-6	din					3:22	34	8:04	183	15:49	30	20:18	170			3:16	38	8:37	220	15:47	33	20:59	206		
19-6	woe					3:46	35	9:13	189	16:26	33	21:02	165			3:46	38	9:05	227	16:21	34	21:31	200		
20-6	don					4:00	32	10:28	194	16:56	37	21:43	160			4:05	36	10:10	231	16:51	37	22:28	194		
21-6	vry					4:25	29	11:05	196	17:21	41	22:56	155			4:46	35	10:55	231	17:26	42	23:14	187		
22-6	zat					5:05	30	11:45	194	17:54	47	21:20	152			5:21	37	11:26	227	18:01	49	23:51	180		
23-6	zon					5:40	33	12:25	190	18:26	53	22:05	152			5:56	43	12:15	221	18:41	57	22:08	177		
24-6	maa					6:16	37	13:00	186	18:52	57	22:53	151			6:32	49	12:54	214	19:16	64	22:59	175		
25-6	din	11:46	LK			6:39	40	13:24	183	19:33	58	23:50	149			6:57	54	13:29	209	19:56	67	23:59	173		
26-6	woe					7:35	43	13:52	181	20:25	57					7:56	59	14:00	208	20:45	68				
27-6	don			1:23	150	8:30	46	14:40	181	21:17	55			1:13	173	8:35	63	14:38	208	21:45	66				
28-6	vry			2:24	154	9:30	48	15:16	181	22:39	51			2:24	178	9:55	65	15:06	210	22:54	60				
29-6	zat			2:54	158	10:41	49	17:53	183	23:50	43			3:04	185	11:10	63	15:54	212	0:15	50				
30-6	zon			6:35	166	11:59	46	18:55	186	0:56	37					0:15	50	6:27	196	12:30	54	18:50	214		
1-7	maa					0:56	37	7:42	174	13:15	41	19:49	185			1:08	40	7:28	207	13:31	45	19:45	217		
2-7	din	21:16	NM			1:45	34	8:35	180	14:26	37	20:45	182			1:56	35	8:15	216	14:26	37	20:33	217		
3-7	woe					2:46	33	9:25	185	15:25	32	21:45	176			2:50	32	9:01	222	15:26	31	21:28	214		
4-7	don					3:46	33	10:05	189	16:19	27	22:34	170			3:42	32	9:24	229	16:17	27	22:09	210		
5-7	vry					4:31	32	10:50	193	17:06	24	23:19	164			4:26	32	10:04	235	17:06	24	23:00	206		
6-7	zat					5:16	31	11:19	198	17:56	23	23:30	159			5:11	32	10:54	239	17:56	23	23:56	200		
7-7	zon					6:02	30	11:59	202	18:41	24	0:27	156			6:01	33	11:50	241	18:41	25	0:41	195		
8-7	maa			0:27	156	6:46	31	12:50	203	19:26	29			0:41	195	6:45	35	12:46	239	19:27	30				
9-7	din	12:55	EK	1:14	153	7:26	33	13:40	201	20:11	35	23:36	151			1:36	189	7:36	39	13:44	234	20:16	37		
10-7	woe					8:11	36	14:32	197	21:06	42	0:34	152			2:36	184	8:25	44	14:35	228	21:06	44		
11-7	don			0:34	152	9:06	41	15:24	192	22:03	46			3:25	183	9:16	50	15:35	222	22:11	50				
12-7	vry			4:00	154	9:59	45	16:31	187	22:55	47			4:20	186	10:22	54	16:29	217	23:15	52				
13-7	zat			4:49	160	11:21	46	17:30	183	0:05	46			5:15	192	11:36	54	17:32	214	0:16	51				
14-7	zon					0:05	46	5:16	167	12:31	44	17:46	178			0:16	51	6:18	200	12:45	50	18:34	211		
15-7	maa					1:05	44	7:38	176	13:46	41	18:34	174			1:21	48	7:25	209	13:55	44	20:05	208		
16-7	din	23:38	VM			2:06	42	8:39	184	14:46	38	18:32	171			2:11	46	8:15	218	14:51	41	20:49	204		
17-7	woe					2:56	41	9:20	190	15:32	39	19:12	168			3:05	46	8:51	226	15:36	42	21:29	200		
18-7	don					3:26	40	9:49	195	16:06	42	19:53	165			3:35	45	9:22	232	16:06	44	21:44	197		
19-7	vry					3:50	37	10:14	200	16:36	45	20:50	163			3:55	42	10:00	236	16:46	46	22:18	195		
20-7	zat					4:21	34	10:55	202	17:11	47	20:43	161			4:35	39	10:42	238	17:15	48	22:59	193		
21-7	zon					4:51	32	11:25	201	17:41	50	20:59	161			5:06	39	11:15	236	17:45	51	23:29	190		
22-7	maa					5:25	34	12:05	197	18:06	54	21:36	161			5:35	41	11:54	231	18:16	57	21:34	187		
23-7	din					5:55	36	12:31	192	18:36	57	22:20	162			6:11	45	12:25	224	18:46	62	22:24	188		
24-7	woe					6:22	39	12:59	187	19:05	58	23:10	163			6:41	50	12:49	217	19:19	66	23:14	188		
25-7	don	3:18	LK			7:00	42	13:28	184	19:35	58	0:10	164			7:20	55	13:15	213	19:47	68	0:14	188		



Referentievlak :LAT				Den Helder 52.9667° N, 4.7500° O						Texel Noordzee 53.1167° N, 4.7333° O							
				Lat= NAP		-125				LAT=NAP		-143					
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
26-7	vry			0:10	164	7:55	46	13:51	183	20:35	59						
27-7	zat			1:09	165	8:56	50	14:31	182	21:35	59						
28-7	zon			2:14	167	10:00	53	15:14	181	23:05	56						
29-7	maa			3:04	170	11:25	52	18:18	182	0:05	49						
30-7	din					0:05	49	7:08	178	12:35	47	19:23	184				
31-7	woe					1:18	44	8:05	188	13:57	42	20:25	182				
1-8	don	5:12	NM			2:26	41	9:06	195	15:16	34	21:31	178				
2-8	vry					3:35	37	9:50	201	16:09	25	22:31	174				
3-8	zat					4:22	31	10:35	206	16:56	18	23:31	170				
4-8	zon					5:08	25	11:15	210	17:43	17	0:09	167				
5-8	maa			0:09	167	5:50	22	12:00	212	18:25	20	0:42	164				
6-8	din			0:42	164	6:31	23	12:40	209	19:05	29			0:30	206		
7-8	woe	19:31	EK			7:11	28	13:14	203	19:45	42			1:16	199		
8-8	don					7:46	36	14:08	193	20:31	53			2:02	192		
9-8	vry			0:04	165	8:30	45	14:58	184	21:11	61			0:04	192		
10-8	zat			1:14	165	9:30	54	15:56	178	22:20	64			1:14	191		
11-8	zon			4:05	168	10:50	56	16:23	175	23:28	60			4:39	195		
12-8	maa			4:57	177	12:05	53	18:48	174	0:32	53			5:20	206		
13-8	din					0:32	53	7:18	187	13:35	48	20:05	175				
14-8	woe					1:41	48	8:20	196	14:26	43	20:55	173				
15-8	don	14:29	VM			2:35	44	8:55	201	15:11	43	18:39	171				
16-8	vry					3:15	43	9:25	203	15:51	46	19:01	170				
17-8	zat					3:45	41	10:00	204	16:21	49	19:25	171				
18-8	zon					4:16	39	10:24	206	16:55	50	19:55	171				
19-8	maa					4:46	37	11:05	205	17:21	51	22:30	171				
20-8	din					5:16	37	11:30	202	17:46	55	22:52	170				
21-8	woe					5:35	39	11:50	196	18:09	59	21:19	172				
22-8	don					6:02	43	12:18	190	18:31	61	21:59	175				
23-8	vry	16:56	LK			6:41	46	12:48	185	18:59	62	22:52	175				
24-8	zat					7:25	51	11:52	183	19:48	65	0:28	175				
25-8	zon			0:28	175	8:26	57	13:02	179	20:49	69			0:23	199		
26-8	maa			1:37	175	9:30	61	14:43	176	22:15	69			1:42	199		
27-8	din			2:46	177	11:05	60	17:55	179	23:45	61			2:55	203		
28-8	woe			6:35	186	12:15	52	19:01	183	0:51	53			0:01	69		
29-8	don					0:51	53	7:40	198	13:56	43	20:14	183				
30-8	vry	12:37	NM			2:16	47	8:38	206	15:03	31	21:25	181				
31-8	zat					3:16	38	9:30	212	15:53	22	22:25	180				
1-9	zon					4:06	28	10:25	215	16:39	18	23:15	179				
2-9	maa					4:50	22	11:00	217	17:23	19	23:55	177				
3-9	din					5:31	19	11:40	215	18:03	26	0:25	174				
4-9	woe			0:25	174	6:12	23	12:22	208	18:42	39	21:13	172				
5-9	don					6:49	31	12:58	197	19:16	54	22:19	175				
6-9	vry	5:10	EK			7:25	43	13:28	185	19:35	65	23:40	177				
7-9	zat					7:55	54	12:56	176	19:55	73	0:58	176				
8-9	zon			0:58	176	8:54	65	14:32	170	21:08	77			0:52	201		
9-9	maa			3:14	179	10:14	69	15:30	169	22:51	72			2:53	203		
10-9	din			4:27	186	11:39	63	16:43	170	23:54	61			4:47	212		
11-9	woe			6:50	197	13:05	54	19:35	177	1:05	52			0:25	72		
12-9	don					1:05	52	7:50	206	14:01	47	20:30	178				
13-9	vry					2:06	47	8:35	209	14:46	47	21:05	176				
14-9	zat	6:33	VM			2:46	46	9:05	209	15:25	49	18:24	176				
15-9	zon					3:25	45	9:35	208	15:56	51	18:51	178				
16-9	maa					3:56	44	10:05	208	16:26	51	21:04	179				
17-9	din					4:26	42	10:35	207	16:55	52	21:44	181				
18-9	woe					4:56	43	10:59	203	17:25	56	22:28	182				

Referentievlak :LAT				Den Helder 52.9667° N, 4.7500° O						Texel Noordzee 53.1167° N, 4.7333° O						
datum	dag	maan	stand	Lat= NAP	-125				LAT=NAP	-143						
				HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	
19-9	don					5:15	45	11:15	198	17:35	60	20:43	183	5:26	49	
20-9	vry					5:45	49	11:38	191	17:50	63	21:15	188	5:56	54	
21-9	zat					6:11	54	9:39	189	18:23	66	21:59	189	6:25	61	
22-9	zon	4:41	LK			6:55	59	10:41	182	19:00	70	23:36	183	7:16	69	
23-9	maa					7:50	65	12:16	175	20:00	76			8:10	77	
24-9	din			1:09	182	9:12	70	15:16	169	21:40	79	1:24	206	9:15	82	
25-9	woe			3:38	184	10:45	65	17:40	175	23:15	70	4:26	210	11:06	74	
26-9	don			5:58	197	12:05	54	18:40	182	0:38	60	5:51	228	12:35	58	
27-9	vry					0:38	60	7:10	209	13:46	43			0:55	64	
28-9	zat	20:26	NM			1:55	50	8:00	216	14:42	32	19:52	184	7:06	244	
29-9	zon					2:56	39	9:00	218	15:33	25			13:40	42	
30-9	maa					3:46	30	9:58	217	16:17	24			19:45	223	
1-10	din					4:30	25	10:38	215	16:59	29			20:40	227	
2-10	woe					5:11	24	11:18	210	17:36	37			21:35	228	
3-10	don					5:47	29	11:59	200	18:09	50			22:16	228	
4-10	vry					6:25	40	12:20	188	18:35	62			22:50	228	
5-10	zat	18:47	EK			6:45	52	12:34	176	18:35	69	23:46	186	22:50	228	
6-10	zon					7:25	64	12:16	170	19:21	75	0:08	216	23:22	225	
7-10	maa			0:57	185	8:15	75	13:22	164	20:18	82	0:42	210	17:34	35	
8-10	din			2:58	187	9:38	81	14:43	164	21:50	82	2:12	210	18:09	48	
9-10	woe			4:01	193	11:10	73	15:56	167	23:25	70	3:57	217	18:36	63	
10-10	don			6:06	200	12:24	62	19:05	175	0:36	59	6:08	227	19:06	76	
11-10	vry					0:36	59	7:05	210	13:21	54			23:15	213	
12-10	zat					1:25	53	7:55	213	14:06	51			0:42	210	
13-10	zon	23:08	VM			2:16	51	8:30	212	14:46	51			19:41	87	
14-10	maa					2:56	51	9:01	210	15:21	51			20:40	96	
15-10	din					3:36	50	9:35	208	15:56	52			21:57	97	
16-10	woe					4:02	48	10:05	206	16:26	53			21:57	97	
17-10	don					4:31	48	10:18	202	16:55	56			21:58	226	
18-10	vry					5:06	51	10:38	197	17:05	60			22:25	228	
19-10	zat					5:36	55	11:20	189	17:35	64			22:25	228	
20-10	zon					6:05	60	9:15	186	17:59	68			22:53	216	
21-10	maa	14:39	LK			6:48	66	10:14	177	18:35	72	23:06	188	22:53	216	
22-10	din					7:40	71	11:50	168	19:38	79			0:55	212	
23-10	woe			2:28	188	9:10	74	15:31	164	21:20	81	0:55	212	13:30	57	
24-10	don			4:01	195	10:39	66	17:20	171	22:55	72	4:10	222	14:10	52	
25-10	vry			5:40	206	11:55	54	18:20	179	0:15	62	5:25	237	14:51	51	
26-10	zat					0:15	62	6:40	215	13:11	44			20:50	218	
27-10	zon					1:31	53	6:32	218	13:19	37			21:20	221	
28-10	maa	4:38	NM			1:33	44	7:20	217	14:06	34			21:39	223	
29-10	din					2:23	37	8:14	213	14:53	36			21:58	226	
30-10	woe					3:08	33	8:54	208	15:33	41			22:25	228	
31-10	don					3:46	33	9:34	201	16:06	49			22:53	216	
1-11	vry					4:26	40	10:10	191	16:26	56			23:04	226	
2-11	zat					4:56	49	10:45	179	16:40	60			23:04	226	
3-11	zon					5:26	60	8:40	171	17:05	65			23:04	226	
4-11	maa	11:23	EK			5:55	71	10:04	166	17:45	71	0:26	192	19:15	225	
5-11	din			0:26	192	6:45	81	11:57	161	18:45	78			19:15	225	
6-11	woe			1:22	193	7:48	87	13:01	160	19:49	82			19:15	225	
7-11	don			2:12	195	9:29	83	14:00	163	21:28	79	1:10	216	19:15	225	
8-11	vry			3:50	200	10:30	71	15:58	169	22:45	69	2:20	219	20:01	228	
9-11	zat			5:08	206	11:25	62	17:59	178	23:46	62	3:50	225	21:09	233	
10-11	zon			6:00	210	12:15	56	18:50	184	0:30	58	5:11	234	21:29	235	
11-11	maa					0:30	58	6:49	210	13:06	53			22:11	233	
12-11	din	14:34	VM			1:16	56	7:24	209	13:45	51			22:31	228	
															23:04	223
															23:54	218
															18:12	84
															18:55	92
															20:00	96
															21:32	93
															23:00	82
															0:05	71
															6:06	240
															12:28	58
															18:35	216
															19:15	222
															19:55	225

Referentievlak :LAT				Den Helder 52.9667° N, 4.7500° O								Texel Noordzee 53.1167° N, 4.7333° O												
				Lat= NAP		-125						LAT=NAP		-143										
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm					
13-11	woe					2:02	54	8:05	206	14:26	51	20:38	192			2:09	55	8:02	240	14:25	51	20:14	228	
14-11	don					2:41	52	8:38	202	14:56	52	20:01	194			2:46	54	8:23	238	15:01	52	20:30	232	
15-11	vry					3:16	52	8:37	198	15:26	55	20:48	198			3:16	53	8:50	236	15:26	55	21:05	235	
16-11	zat					3:46	53	9:08	193	15:50	58	21:25	200			3:55	55	9:25	230	15:56	59	21:44	236	
17-11	zon					4:26	57	9:50	186	16:12	61	22:05	200			4:26	58	10:05	220	16:31	64	22:26	233	
18-11	maa					5:00	62	10:27	177	16:40	64	22:58	199			5:06	64	10:50	207	17:11	71	23:15	228	
19-11	din	22:11	LK			5:51	67	9:09	169	17:20	68	0:15	197			5:56	71	9:14	195	18:01	80	0:08	223	
20-11	woe				0:15	197	6:50	71	10:36	164	18:27	74			0:08	223	6:55	77	10:42	187	19:11	86		
21-11	don				1:29	198	8:05	70	14:26	160	20:09	75			1:31	224	8:16	77	14:35	189	20:33	86		
22-11	vry				2:45	203	9:26	63	15:48	166	21:36	69			2:56	230	9:31	68	15:56	197	21:46	77		
23-11	zat				4:07	209	10:36	55	16:58	173	22:40	61			4:06	239	10:45	57	16:45	207	22:56	67		
24-11	zon				5:10	213	11:46	50	17:57	178	0:05	56			5:00	247	11:45	49	17:45	215	0:06	58		
25-11	maa					0:05	56	6:00	213	12:49	46	19:04	182			0:06	58	5:55	250	12:45	46	18:40	221	
26-11	din	16:06	NM			1:06	49	6:32	208	13:41	45	18:32	186			1:07	50	6:50	248	13:39	45	19:20	226	
27-11	woe					1:57	43	7:19	203	14:26	46	19:17	193			2:01	44	7:27	244	14:23	47	19:44	232	
28-11	don					2:46	41	7:47	197	15:06	50	19:59	200			2:50	41	8:14	238	15:05	51	20:14	238	
29-11	vry					3:30	42	8:21	190	15:35	53	20:51	204			3:26	43	8:58	229	15:26	53	21:00	242	
30-11	zat					4:01	47	9:03	182	15:39	53	21:54	206			4:01	47	9:30	219	15:56	55	21:49	241	
1-12	zon					4:36	55	9:13	174	16:10	53	22:48	204			4:36	55	10:19	206	16:35	59	22:30	237	
2-12	maa					5:02	63	8:21	170	16:45	56	23:25	201			5:15	65	8:34	196	17:06	65	23:12	230	
3-12	din					5:25	72	9:10	167	17:20	61	0:08	197			5:51	76	9:14	191	17:41	73	23:58	223	
4-12	woe	7:58	EK		0:08	197	6:10	79	10:13	163	18:08	67	0:52	195			6:36	87	10:09	184	18:25	81	0:40	219
5-12	don				0:52	195	6:54	84	12:14	160	18:55	71			0:40	219	7:26	93	12:51	178	19:18	87		
6-12	vry				1:40	194	8:00	85	13:12	161	19:59	74			1:38	217	8:25	94	14:03	180	20:15	89		
7-12	zat				2:56	194	9:18	80	13:56	164	21:04	73			2:12	218	9:40	89	15:53	187	21:28	88		
8-12	zon				4:10	198	10:35	70	16:48	172	22:12	70			4:20	221	10:46	77	16:55	199	22:58	81		
9-12	maa				5:15	202	11:15	61	17:51	181	23:40	64			5:20	227	11:45	66	17:45	210	23:55	71		
10-12	din				6:10	204	12:16	54	18:45	188	0:35	59			6:12	232	12:26	57	18:46	219	0:55	63		
11-12	woe					0:35	59	6:55	204	13:06	51	19:38	192			0:55	63	6:55	234	13:15	52	19:25	225	
12-12	don	6:12	VM			1:26	55	7:45	201	13:46	49	20:20	195			1:36	57	7:35	233	13:51	49	19:55	229	
13-12	vry					2:16	52	8:14	196	14:35	50	19:45	196			2:21	52	8:10	230	14:35	50	20:00	233	
14-12	zat					3:01	50	7:56	192	15:05	51	20:14	201			3:06	51	8:15	227	15:06	51	20:38	239	
15-12	zon					3:47	50	8:35	187	15:21	53	21:04	205			3:45	51	9:09	222	15:46	53	21:28	242	
16-12	maa					4:32	51	9:28	181	15:58	54	22:09	207			4:26	53	9:59	214	16:26	57	22:08	242	
17-12	din					5:15	54	10:14	174	16:37	56	23:08	207			5:11	56	10:52	204	17:11	61	23:05	239	
18-12	woe					6:06	58	10:28	166	17:12	59	0:09	206			6:05	61	11:58	194	18:06	67	0:04	235	
19-12	don	5:57	LK		0:09	206	6:56	61	10:27	163	18:45	61			0:04	235	7:05	65	13:05	188	19:06	71		
20-12	vry				1:09	204	7:56	62	11:14	161	19:50	62			1:15	232	8:00	66	14:15	187	20:11	72		
21-12	zat				2:23	203	9:01	61	14:58	160	21:01	62			2:25	231	9:06	65	15:15	191	21:16	71		
22-12	zon				3:30	203	10:06	59	16:18	166	22:16	59			3:35	232	10:11	61	16:25	198	22:26	66		
23-12	maa				4:34	203	11:06	56	17:17	173	23:17	56			4:35	234	11:16	58	17:19	206	23:36	60		
24-12	din				5:22	200	12:16	54	17:15	180	0:36	51			5:30	234	12:16	55	18:04	215	0:46	53		
25-12	woe					0:36	51	6:45	195	13:16	52	17:56	188			0:46	53	6:28	231	13:12	53	18:47	223	
26-12	don	6:13	NM			1:42	46	6:12	190	14:05	51	18:36	196			1:43	47	7:02	226	14:02	53	19:16	231	
27-12	vry					2:27	44	6:48	186	14:45	51	19:36	202			2:32	45	8:14	221	14:42	53	19:45	238	
28-12	zat					3:11	45	7:22	181	15:10	50	21:04	207			3:15	47	8:55	214	15:06	52	20:44	243	
29-12	zon					3:51	49	8:17	176	15:04	45	22:00	209			3:46	50	9:02	208	15:25	50	21:40	244	
30-12	maa					4:16	54	7:32	172	15:44	43	22:38	208			4:21	54	9:58	201	16:11	49	22:20	242	
31-12	din					4:46	60	7:57	171	16:30	45	23:10	204			4:51	60	8:04	196	16:51	52	23:00	235	