

**Getijdengegevens 2018** bron: getij.rws.nl

bron: getij.rws.nl

Referentievlak : LAT

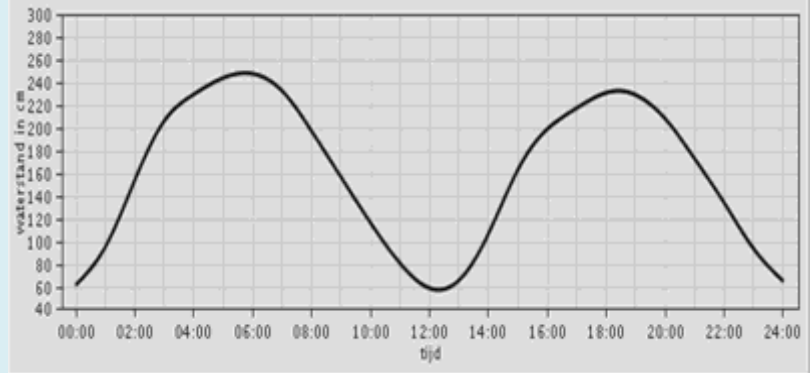
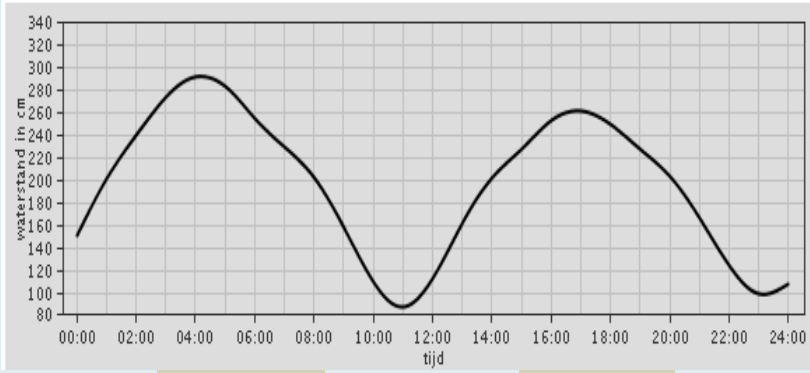
**Holwerd**  
LAT=NAP-160  
**53.39572° N, 5.88200° O**

**Wierumergronden**  
LAT=NAP-153  
**53.5167° N, 5.9667° O**

datum dag maan stand

HW cm lw cm HW cm lw cm HW cm

HW cm lw cm HW cm lw cm HW cm



datum dag maan stand

datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
1-1	maa					3:29	63	9:16	309	15:53	57	21:46	307				
2-1	din					4:23	49	10:16	309	16:46	49	22:46	314				
3-1	woe					5:14	38	10:59	306	17:32	44	23:26	318				
4-1	don					6:01	31	11:56	300	18:16	42						
5-1	vry	20:47	EK	0:16	320	6:48	29	12:46	293	19:03	43						
6-1	zat			0:57	320	7:33	33	13:24	286	19:47	47	0:10	276	7:02	21	12:51	248
7-1	zon			1:40	318	8:20	42	14:20	280	20:33	56	1:01	274	7:41	24	13:41	241
8-1	maa			2:26	312	9:07	56	15:04	273	21:15	68	1:56	268	8:20	31	14:25	233
9-1	din			3:26	303	9:56	73	15:54	267	22:09	84	2:24	260	9:06	42	15:25	226
10-1	woe			4:04	293	10:56	88	16:50	263	23:20	97	3:25	251	9:56	53	16:10	222
11-1	don			5:10	284	12:06	97	17:50	261			4:25	242	10:45	63	17:05	221
12-1	vry	12:34	VM			0:36	101	6:05	277	13:15	96	5:17	236	12:00	65	18:04	225
13-1	zat					1:45	95	7:36	277	14:18	88			0:24	70	6:25	235
14-1	zon					2:46	85	8:30	282	15:11	80			1:35	63	7:45	237
15-1	maa					3:35	76	9:26	286	15:56	75			2:36	56	8:15	239
16-1	din					4:22	72	10:10	288	16:36	73			3:25	51	9:04	241
17-1	woe					5:00	72	10:35	286	17:08	71			4:05	48	9:34	241
18-1	don					5:35	72	11:05	284	17:45	67			4:46	46	10:26	241
19-1	vry	23:13	LK			6:13	71	11:35	283	18:18	64			5:16	44	11:01	241
20-1	zat					6:43	68	12:05	281	18:52	62			5:46	43	11:24	239
21-1	zon			0:24	308	7:18	66	12:56	278	19:26	61			6:10	42	12:11	237
22-1	maa			1:05	305	7:53	64	13:25	274	20:03	60	0:15	264	6:40	42	12:51	233
23-1	din			1:46	301	8:32	64	14:06	270	20:38	60	0:45	260	7:05	44	13:35	228
24-1	woe			2:20	298	9:12	66	14:46	267	21:22	64	1:46	256	7:55	47	14:05	224
25-1	don			3:06	294	9:58	72	15:24	265	22:09	73	2:14	251	8:56	53	14:55	221
26-1	vry			3:55	289	10:56	82	16:25	264	23:12	84	3:15	246	9:44	59	15:44	220
27-1	zat			5:04	283	12:05	88	17:54	268			4:10	241	11:05	61	17:15	223
28-1	zon	1:07	NM			0:36	88	6:34	284	13:22	84	5:34	241	12:26	56	18:24	234
29-1	maa					1:56	78	7:55	291	14:32	73			1:06	49	7:16	247
30-1	din					3:08	61	9:00	298	15:36	60			2:06	38	8:21	254
31-1	woe					4:06	43	10:06	301	16:27	47			3:21	29	9:15	257
1-2	don					4:56	30	10:56	300	17:15	37			4:26	21	10:16	257
2-2	vry					5:45	21	11:50	297	18:01	31			5:16	14	10:55	255
3-2	zat					6:31	19	12:25	291	18:45	28			6:01	11	11:45	252
4-2	zon	5:19	EK	0:36	321	7:15	22	13:21	286	19:26	31			6:41	11	12:36	247
5-2	maa			1:16	316	7:56	33	13:56	280	20:07	39	0:46	273	7:16	16	13:17	241
6-2	din			1:56	308	8:37	49	14:36	274	20:48	52	1:20	266	7:51	24	13:50	234
7-2	woe			2:40	297	9:18	67	15:10	269	21:30	69	2:01	255	8:26	37	14:30	226
8-2	don			3:30	284	10:06	86	15:45	264	22:21	88	2:35	242	9:06	51	15:15	219
9-2	vry			4:26	271	11:05	102	16:34	261	23:30	104	3:20	230	9:44	66	15:55	215
10-2	zat			5:14	261	12:16	109	17:34	261			4:15	220	11:06	76	17:10	217
11-2	zon	1:33	VM			0:56	107	6:44	259	13:35	103	5:45	217	12:25	74	18:14	224
12-2	maa					2:10	96	8:05	266	14:36	90			0:54	69	7:00	221
13-2	din					3:16	82	9:00	275	15:29	77			2:06	56	7:55	227
14-2	woe					3:58	72	9:57	280	16:08	69			2:56	46	8:55	233
15-2	don					4:38	67	10:36	282	16:46	64			3:46	40	9:24	236
16-2	vry					5:15	62	10:54	283	17:26	58			4:20	35	9:55	238
17-2	zat					5:48	57	11:30	285	17:58	51			5:06	32	10:40	241
18-2	zon	20:33	LK			6:26	49	12:05	285	18:36	45			5:35	29	11:04	242
19-2	maa			0:10	310	6:59	45	12:40	283	19:08	43			6:06	29	11:56	242
20-2	din			0:46	307	7:36	44	13:04	278	19:46	41	0:06	266	6:25	30	12:25	240
21-2	woe			1:26	302	8:13	47	13:46	274	20:23	42	0:46	262	6:55	33	13:06	235
22-2	don			1:56	297	8:50	52	14:10	272	21:02	46	1:20	256	7:30	38	13:45	229
23-2	vry			2:36	291	9:32	61	15:06	269	21:51	56	2:05	247	8:04	47	14:25	224
24-2	zat			3:36	281	10:22	74	16:00	267	22:46	71	2:55	238	9:15	57	15:07	220
25-2	zon			4:50	272	11:30	87	17:24	268			3:45	229	10:35	65	16:34	221
26-2	maa	15:58	NM			0:05	80	6:25	272	12:56	88	5:24	228	12:06	63	18:05	231
27-2	din					1:35	72	7:45	280	14:16	74			0:40	45	7:06	235
28-2	woe					2:56	53	8:45	289	15:16	55			1:55	32	8:15	244
1-3	don					3:50	33	9:50	295	16:10	40			3:10	20	9:06	250
2-3	vry					4:41	19	10:46	296	16:57	29			4:10	11	9:56	252
3-3	zat					5:26	13	11:24	294	17:42	21			5:01	7	10:46	251
4-3	zon					6:11	13	12:15	291	18:24	18			5:46	7	11:25	250
5-3	maa	12:32	EK	0:10	317	6:52	18	12:50	287	19:06	19			6:16	9	12:07	247
6-3	din			0:46	310	7:30	29	13:25	283	19:41	26	0:10	268	6:46	14	12:35	243
7-3	woe			1:26	301	8:07	43	13:55	280	20:18	39	0:50	258	7:16	22	13:16	236
8-3	don			2:07	289	8:40	58	14:26	277	20:56	54	1:25	245	7:46	34	13:25	228
9-3	vry			2:46	276	9:16	72	15:06	273	21:36	72	1:44	231	8:26	48	14:10	222
10-3	zat			3:20	264	9:45	86	15:50	268	22:26	92	2:36	218	8:55	62	15:00	215
11-3	zon			4:20	252	10:40	102	17:05	263	23:56	107	3:25	207	9:45	75	16:14	213
12-3	maa	15:54	VM	5:40	246	12:24	108	18:04	264			4:54	203	11:04	83	17:25	217
13-3	din					1:20	102	7:25	252	13:50	95			0:25	73	6:26	208
14-3	woe					2:35	86	8:35	265	14:50	79			1:36	56	7:25	218
15-3	don					3:26	71	9:15	274	15:38	65			2:26	41	8:36	228
16-3	vry					4:08	59	9:54	280	16:18	55			3:16	31	9:16	234
17-3	zat					4:45	50	10:35	285	16:58	46			3:56	25	9:57	238
18-3	zon					5:22	40	11:05	288	17:35	36			4:36	21	10:25	242
19-3	maa					5:59	31	11:56	289	18:13	30			5:16	18	10:55	245

Referentievlak : LAT				Holwerd LAT=NAP-160								53.39572° N, 5.88200° O								Wierumergronden LAT=NAP-153				53.5167° N, 5.9667° O							
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm								
20-3	din		16:58 LK			6:37	27	12:20	288	18:50	26					5:51	18	11:37	246	17:55	18	23:46	264								
21-3	woe			0:25	306	7:14	28	12:55	284	19:26	25					6:04	22	12:05	245	18:25	19										
22-3	don			1:06	300	7:52	33	13:15	281	20:05	27			0:25	260	6:46	27	12:46	241	18:44	23										
23-3	vry			1:35	293	8:29	41	13:44	279	20:46	33			1:06	251	7:04	34	13:25	235	19:30	28										
24-3	zat			2:20	284	9:10	53	14:34	276	21:32	45			1:50	240	7:45	44	14:10	229	20:15	38										
25-3	zon			4:20	272	11:01	68	16:45	272	23:30	61			3:45	228	9:44	57	16:10	224	22:40	47										
26-3	maa			5:44	263	12:06	85	18:26	274					4:55	219	11:04	67	17:25	224												
27-3	din					0:56	71	7:05	264	13:41	85	19:46	283			0:05	49	6:36	219	12:46	64	18:44	232								
28-3	woe		4:57 NM			2:26	61	8:36	272	14:56	69	20:51	297			1:24	38	7:55	228	14:06	51	19:54	245								
29-3	don					3:36	42	9:36	282	15:58	50	21:45	308			2:56	24	8:56	238	15:04	38	21:10	257								
30-3	vry					4:33	24	10:24	288	16:53	34	22:46	314			3:56	13	9:56	244	16:16	27	22:06	263								
31-3	zat					5:22	14	11:36	291	17:36	24	23:26	315			4:56	8	10:35	246	17:06	20	22:46	266								
1-4	zon					6:06	12	12:16	292	18:21	18					5:36	8	11:16	247	17:51	15	23:26	266								
2-4	maa			0:06	313	6:49	15	12:56	291	19:03	16					6:16	10	11:56	248	18:26	12										
3-4	din		20:39 EK			0:35	308	7:26	290	19:40	17			0:06	264	6:47	13	12:36	248	18:56	10										
4-4	woe					1:16	302	8:04	290	20:17	23			0:46	258	7:11	16	13:06	246	19:26	12										
5-4	don					1:56	293	8:37	290	20:50	33			1:20	248	7:36	22	13:25	240	19:56	19										
6-4	vry					2:26	282	9:06	287	21:26	47			1:56	234	8:06	32	13:54	233	20:35	31										
7-4	zat					2:55	271	9:36	282	22:00	61			2:14	220	8:35	43	14:25	226	21:07	44										
8-4	zon					3:40	260	10:12	274	22:40	77			3:05	208	9:16	55	15:05	219	21:46	57										
9-4	maa					4:30	249	10:56	267	23:35	94			4:06	198	10:05	67	16:15	214	22:35	69										
10-4	din					5:56	241	12:10	265					5:20	195	11:06	77	17:56	216												
11-4	woe		8:08 VM			1:20	97	7:24	244	14:06	96	19:35	271			0:04	72	6:40	201	12:40	78	18:55	224								
12-4	don					2:35	85	8:50	256	15:05	80	20:55	283			1:56	57	7:45	212	14:16	61	20:05	235								
13-4	vry					3:40	68	9:34	269	16:00	64	21:46	294			2:46	39	8:44	224	15:06	45	21:16	244								
14-4	zat					4:25	53	10:25	279	16:49	51	22:25	302			3:36	26	9:46	233	15:57	34	21:44	250								
15-4	zon					5:12	39	10:55	286	17:30	39	23:16	307			4:20	18	10:25	239	16:36	26	22:35	255								
16-4	maa					5:53	28	11:34	291	18:12	28	23:44	309			5:00	14	11:05	243	17:21	19	22:54	258								
17-4	din					6:34	20	12:31	294	18:50	20					5:46	13	11:35	247	18:06	15	23:40	261								
18-4	woe			0:30	308	7:14	17	13:06	293	19:29	16					6:26	14	12:11	250	18:46	13										
19-4	don		11:57 LK			1:10	303	7:52	291	20:09	16			0:26	260	7:01	18	12:46	250	19:15	14										
20-4	vry					1:45	296	8:32	289	20:50	20			1:16	254	7:14	25	13:31	248	19:56	18										
21-4	zat					2:35	287	9:10	288	21:33	27			1:56	245	8:00	32	14:10	243	20:24	24										
22-4	zon					3:20	277	9:53	286	22:22	39			2:35	233	8:34	43	15:06	237	21:36	32										
23-4	maa					4:36	266	10:42	284	23:19	54			3:45	222	9:56	54	16:00	233	22:46	39										
24-4	din					5:46	261	11:56	285					4:45	215	11:06	62	17:15	233												
25-4	woe					0:46	60	7:00	262	13:26	79	19:15	289			0:06	39	6:05	217	12:25	59	18:35	239								
26-4	don		14:16 NM			2:05	50	8:10	268	14:36	64	20:26	297			1:15	29	7:36	225	13:46	47	19:34	247								
27-4	vry					3:16	36	9:15	276	15:38	47	21:26	303			2:31	18	8:25	233	14:50	35	20:55	254								
28-4	zat					4:12	23	10:15	283	16:32	34	22:15	306			3:30	12	9:36	239	15:56	27	21:45	257								
29-4	zon					5:00	18	11:10	288	17:17	26	23:06	305			4:27	12	10:16	242	16:46	22	22:20	258								
30-4	maa					5:46	19	11:55	291	18:04	23	23:39	303			5:11	15	10:57	244	17:29	19	23:01	257								
1-5	din					6:25	23	12:15	293	18:41	22					5:47	19	11:25	248	18:01	17	23:36	254								
2-5	woe			0:26	298	7:03	29	12:50	296	19:19	24					6:05	20	11:55	251	18:36	16										
3-5	don		4:47 EK			0:45	292	7:37	298	19:56	29			0:16	248	6:24	21	12:36	250	18:56	17										
4-5	vry					1:14	284	8:08	298	20:27	38			0:56	238	7:05	24	13:05	246	19:25	23										
5-5	zat					1:55	275	8:38	294	20:59	49			1:35	226	7:29	31	13:46	239	20:00	32										
6-5	zon					2:25	265	9:09	288	21:35	59			2:00	214	8:06	40	14:04	232	20:36	42										
7-5	maa					3:04	256	9:45	280	22:16	70			2:46	203	8:40	48	14:55	226	21:16	51										
8-5	din					4:06	248	10:26	273	23:06	81			3:25	196	9:26	57	15:35	221	22:16	59										
9-5	woe					5:05	243	11:20	270					4:25	194	10:26	66	16:45	221	23:05	62										
10-5	don		23:43 VM			0:25	87	6:14	244	13:15	96	19:00	274			6:06	199	11:35	69	18:10	225										
11-5	vry					1:46	79	7:45	254	14:20	83	20:06	283			0:40	54	7:10	210	13:06	62	19:20	233								
12-5	zat					2:45	65	8:35	266	15:21	68	21:00	293			1:45	39	8:10	222	14:10	47	20:14	242								
13-5	zon					3:46	50	9:46	278	16:09	54	21:56	301			2:45	25	9:05	232	15:11	34	21:15	249								
14-5	maa					4:36	37	10:36	287	17:01	41	22:40	306			3:35	17	9:50	240	16:01	25	22:00	254								
15-5	din					5:26	26	11:16	294	17:43	29	23:26	307			4:26	14	10:37	245	16:51	19	22:46	256								
16-5	woe					6:07	20	12:07	297	18:29	20					5:16	14	11:05	250	17:46	15	23:26	257								
17-5	don			0:15	304	6:50	17	12:45	299	19:11	15					6:06	16	11:46	254	18:26	12										
18-5	vry					0:56	298	7:31	299	19:56	14			0:05	255	6:41	19	12:31													



Referentievlak : LAT				Holwerd LAT=NAP-160								53.39572° N, 5.88200° O								Wierumergronden LAT=NAP-153				53.5167° N, 5.9667° O							
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm								
20-6	woe			4:16	271	10:18	52	16:19	306	22:59	43			3:25	230	9:36	35	15:40	259	22:15	20										
21-6	don			5:16	266	11:15	65	17:20	300					4:35	225	10:31	40	16:35	254	23:16	27										
22-6	vry					0:05	53	6:10	263	12:25	73	18:26	293	5:25	223	11:25	46	17:45	249												
23-6	zat					1:16	58	7:20	263	13:40	72	19:36	288			0:10	31	6:15	223	12:36	48	18:40	246								
24-6	zon	4:31	NM			2:26	57	8:25	268	14:48	65	20:36	287			1:16	34	7:36	227	13:35	46	19:45	244								
25-6	maa					3:26	52	9:26	278	15:45	56	21:36	288			2:16	34	8:36	233	14:45	42	20:45	243								
26-6	din					4:15	46	10:16	289	16:40	48	22:25	289			3:10	34	9:15	240	15:46	38	21:24	242								
27-6	woe					5:03	46	11:07	298	17:26	47	23:16	289			4:06	35	9:45	246	16:36	36	22:10	241								
28-6	don					5:43	48	11:40	305	18:05	48	23:56	286			4:40	35	10:30	253	17:16	35	22:45	239								
29-6	vry					6:21	51	12:16	307	18:46	52					5:16	35	10:54	257	17:51	34	23:36	236								
30-6	zat			0:36	281	6:56	53	12:40	308	19:17	56					5:46	34	11:34	259	18:20	34	23:55	232								
1-7	zon	2:51	EK	1:00	276	7:26	52	13:05	306	19:56	59					6:15	34	12:14	258	18:43	36										
2-7	maa			1:24	271	7:58	53	13:46	303	20:25	60			0:51	228	6:56	35	12:44	255	19:26	38										
3-7	din			2:05	266	8:32	55	14:26	298	21:02	62			1:14	222	7:27	37	13:36	252	19:49	40										
4-7	woe			2:40	262	9:06	58	14:55	292	21:35	62			2:00	218	7:56	39	14:16	248	20:25	42										
5-7	don			3:26	258	9:46	61	15:46	288	22:16	64			2:46	214	8:36	42	14:56	245	21:17	44										
6-7	vry			3:54	255	10:26	66	16:20	286	23:02	67			3:26	212	9:15	47	15:24	243	22:07	46										
7-7	zat			4:44	255	11:16	74	17:04	284					3:54	212	10:20	51	16:14	242	23:00	47										
8-7	zon					0:00	72	6:05	258	12:16	84	18:15	283	5:00	215	11:26	54	17:14	242												
9-7	maa	6:07	VM			1:10	73	7:15	265	13:47	85	19:34	287			0:05	46	6:20	220	12:41	51	18:36	243								
10-7	din					2:26	68	8:26	276	14:55	74	20:50	294			1:20	40	7:25	231	13:56	43	19:47	247								
11-7	woe					3:25	59	9:26	289	16:00	60	21:56	299			2:25	33	8:24	243	14:49	33	20:54	253								
12-7	don					4:28	49	10:26	301	17:01	45	22:45	301			3:26	29	9:24	254	15:55	27	22:06	256								
13-7	vry					5:23	40	11:16	310	17:53	32	23:39	300			4:15	28	10:26	262	17:06	22	22:45	255								
14-7	zat					6:10	33	12:06	316	18:40	21					5:21	28	11:04	267	18:07	16	23:56	253								
15-7	zon			0:35	296	6:56	28	12:50	320	19:26	14					6:16	27	12:00	272	19:00	10										
16-7	maa	21:26	LK	1:25	291	7:42	26	13:35	321	20:14	14			0:35	250	7:05	24	12:57	274	19:43	7										
17-7	din			2:26	286	8:26	28	14:26	320	20:58	19			1:31	247	7:51	22	13:40	275	20:25	8										
18-7	woe			3:05	281	9:09	34	15:16	316	21:46	30			2:26	242	8:36	23	14:25	272	21:06	13										
19-7	don			4:01	276	9:57	45	16:05	309	22:36	47			3:06	237	9:16	27	15:21	266	21:51	22										
20-7	vry			4:46	270	10:45	61	16:56	299	23:25	64			3:56	231	10:01	35	15:54	256	22:36	34										
21-7	zat			5:30	266	11:46	77	17:50	289					4:45	226	10:45	46	16:55	247	23:31	45										
22-7	zon					0:35	77	6:15	263	13:00	86	18:44	280	5:34	223	11:56	56	17:54	239												
23-7	maa	11:45	NM			1:46	81	7:40	267	14:16	85	19:55	277			0:36	53	6:40	226	13:06	59	18:54	235								
24-7	din					2:50	76	8:56	278	15:22	75	21:10	281			1:40	53	7:35	232	14:16	55	20:04	235								
25-7	woe					3:48	67	9:56	292	16:18	64	22:03	285			2:40	49	8:37	241	15:26	49	21:10	237								
26-7	don					4:38	61	10:41	304	17:08	59	23:00	288			3:30	45	9:35	250	16:16	44	21:45	237								
27-7	vry					5:22	59	11:26	310	17:50	59	23:40	287			4:15	43	10:04	256	16:50	41	22:25	237								
28-7	zat					5:58	60	11:56	312	18:27	62					4:55	42	10:56	260	17:30	40	23:16	237								
29-7	zon			0:20	284	6:36	60	12:26	312	18:59	63					5:25	41	11:25	263	18:15	40	23:45	237								
30-7	maa	17:23	EK	0:44	280	7:07	57	12:56	311	19:35	61					6:06	39	12:06	264	18:46	39										
31-7	din			1:14	278	7:42	55	13:25	309	20:08	60			0:25	236	6:24	38	12:35	264	19:16	39										
1-8	woe			1:50	276	8:16	54	14:07	305	20:40	59			0:54	234	7:06	37	13:16	262	19:35	40										
2-8	don			2:20	272	8:47	55	14:36	300	21:16	60			1:40	232	7:35	38	13:34	259	20:00	41										
3-8	vry			3:06	267	9:23	56	15:05	296	21:53	60			2:04	228	8:05	40	14:14	255	20:40	43										
4-8	zat			3:36	265	10:02	58	15:46	293	22:35	63			2:56	225	8:56	44	14:54	251	21:26	47										
5-8	zon			4:04	264	10:46	64	16:36	289	23:26	72			3:24	223	9:46	49	15:35	247	22:27	53										
6-8	maa			4:54	264	11:40	76	17:35	284					4:26	223	10:51	55	16:34	243	23:36	58										
7-8	din	20:11	VM			0:26	82	6:30	268	12:56	87	19:10	283	5:15	225	12:06	58	17:54	241												
8-8	woe					1:46	84	7:56	278	14:14	83	20:25	289			0:46	57	6:55	234	13:27	52	19:30	245								
9-8	don					3:06	75	9:00	294	15:38	68	21:36	296			1:55	50	7:54	247	14:36	41	20:45	252								
10-8	vry					4:06	62	10:06	309	16:43	50	22:36	301			3:00	42	9:04	260	15:46	32	21:50	257								
11-8	zat					5:03	48	10:55	320	17:36	33	23:24	302			3:54	39	10:05	270	16:56	25	22:46	258								
12-8	zon					5:56	37	11:51	327	18:24	22					5:16	35	11:06	276	17:52	17	23:36	257								
13-8	maa			0:26	300	6:40	29	12:35	329	19:08	16					6:07	30	11:45	280	18:46	13										
14-8	din			1:27	296	7:26	24	13:20	328	19:54	15			0:26	255	6:56	25	12:39	282	19:22	11										
15-8	woe	3:15	LK	2:05	292	8:08	24	14:05	324	20:36	23			1:11	253	7:32	21	13:26	280	20:00	14										
16-8	don			2:50	287	8:48	30	14:46	317	21:20	37			1:55	249	8:16	22	14:05	275	20:42	21										
17-8	vry			3:15	281	9:31	42	15:25	307	22:03	55			2:36	243	8:52	27	14:46	265	21:17	33										
18-8	zat			4:06	276	10:16	60	16:09	295	22:46	75			3:15	236	9:26	38	15:31	253	21:56	47										
19-8	zon			4:35	272	11:00	79	17:05	282	23:35	93			3:44	229	10:06	51	16:04	240	22:35	62										
20-8	maa			5:30	270	12:06	98	18:16	271					4:35	225	11:06	66	17:04	230	23:35	74										
21-8	din	20:30	NM			0:55	104	6:30	270	13:25	105	19:24	267	5:44	226	12:04	76	18:26	225												
22-8	woe					2:10	101	8:15	278	14:55	97	20:56	273			1:06	77	6:45	232	13:40	71	19:46	227								
23-8	don					3:16	89	9:26	293	15:56	82	21:57	282			2:05	68	8:10	242	14:56	60	20:45	233								
24-8	vry					4:09	76	10:16	306	16:46	71	22:46	288			3:10	57	9:15	253	15:40	50	21:34	238								
25-8	zat					4:56	69	10:56	313	17:25	68	23:26	290			4:06	51	9:55	260	16:31	45	22:14	240								
26-8	zon					5																									

Referentievlak : LAT				Holwerd LAT=NAP-160								53.39572° N, 5.88200° O								Wierumergronden LAT=NAP-153				53.5167° N, 5.9667° O							
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm								
20-9	don		7:30 NM			1:15	119	6:55	277	14:06	115	20:14	265	6:05	232	12:55	88	19:00	219												
21-9	vry					2:29	107	8:55	290	15:20	99	21:26	278			1:46	88	7:24	242	14:26	72	20:20	229								
22-9	zat					3:36	92	9:47	303	16:16	84	22:16	287			2:35	72	8:46	253	15:05	58	21:15	239								
23-9	zon					4:26	79	10:26	311	16:59	75	22:55	292			3:30	60	9:15	261	15:55	49	22:01	245								
24-9	maa					5:07	71	10:55	315	17:36	70	23:36	295			4:17	54	10:05	266	16:46	45	22:36	248								
25-9	din					5:43	65	11:30	318	18:08	64	23:55	297			4:56	50	10:34	268	17:15	42	22:54	251								
26-9	woe					6:23	59	12:00	320	18:46	56					5:26	46	11:04	271	17:56	41	23:24	254								
27-9	don			0:25	298	6:57	53	12:46	319	19:17	52					6:07	43	11:46	273	18:26	41	23:54	256								
28-9	vry		4:53 EK	1:16	297	7:33	50	13:10	316	19:56	51					6:35	41	12:05	273	18:50	43										
29-9	zat			1:34	294	8:09	50	13:46	310	20:32	55	0:46	256	7:06	42	13:01	270	19:15	47												
30-9	zon			2:00	290	8:43	52	14:10	304	21:07	61	1:27	253	7:25	44	13:47	262	19:39	52												
1-10	maa			2:14	289	9:23	55	14:55	296	21:46	68	2:00	249	8:00	48	14:14	252	20:20	60												
2-10	din			3:10	288	10:05	62	15:45	286	22:32	80	2:40	244	8:56	56	15:04	241	21:04	72												
3-10	woe			4:14	285	11:01	76	17:04	276	23:26	96	3:24	239	10:06	66	16:26	232	22:24	83												
4-10	don			5:35	285	12:10	89	18:47	275			4:44	238	11:26	71	17:34	230	23:55	86												
5-10	vry		20:40 VM			0:50	105	7:06	294	13:46	86	19:45	282	6:04	245	12:50	63	19:04	238												
6-10	zat					2:20	93	8:16	307	15:01	69	21:00	292			1:15	76	7:24	258	14:10	48	20:26	249								
7-10	zon					3:25	75	9:15	320	16:06	52	22:06	299			2:25	62	8:35	271	15:15	37	21:26	257								
8-10	maa					4:26	57	10:09	328	16:57	39	22:55	303			3:45	51	9:30	279	16:20	31	22:10	261								
9-10	din					5:15	45	11:05	330	17:44	34	23:45	304			4:46	44	10:15	282	17:10	30	22:50	262								
10-10	woe					5:58	38	11:45	328	18:26	34					5:32	39	11:07	282	17:56	33	23:37	262								
11-10	don			0:24	303	6:44	35	12:25	323	19:06	39					6:12	36	11:46	280	18:31	36										
12-10	vry		14:25 LK	1:16	302	7:24	36	12:55	316	19:46	47	0:11	263	6:47	35	12:15	274	18:56	40												
13-10	zat			1:24	301	8:04	42	13:35	307	20:23	58	0:46	261	7:17	36	13:00	265	19:26	45												
14-10	zon			1:55	301	8:38	53	14:16	296	20:56	70	1:15	257	7:40	41	13:46	251	19:55	53												
15-10	maa			2:36	299	9:13	67	14:45	285	21:26	81	1:44	250	8:04	52	14:04	237	20:26	64												
16-10	din			3:16	295	9:50	83	15:25	273	22:02	92	2:20	243	8:56	65	14:44	224	21:00	76												
17-10	woe			4:06	288	10:30	100	16:04	261	22:45	107	3:00	236	9:36	79	15:35	213	21:45	89												
18-10	don			4:54	281	11:36	118	17:40	253	23:45	124	4:10	232	10:30	91	17:06	209	22:40	99												
19-10	vry		21:12 NM	6:15	279	12:55	123	19:30	256			5:30	232	11:50	97	18:20	214														
20-10	zat					1:45	119	7:40	285	14:26	112	20:35	269			0:05	102	6:44	240	13:24	83	19:30	224								
21-10	zon					2:56	105	8:56	296	15:36	97	21:25	281			2:05	87	7:45	250	14:36	66	20:25	236								
22-10	maa					3:46	90	9:35	306	16:16	83	22:15	290			2:45	71	8:44	259	15:16	53	21:26	246								
23-10	din					4:32	78	10:16	313	16:55	72	22:56	297			3:35	60	9:35	265	15:55	46	22:06	252								
24-10	woe					5:16	69	10:44	318	17:37	62	23:36	302			4:16	53	10:04	268	16:40	42	22:35	256								
25-10	don					5:56	60	11:30	321	18:15	54					5:05	48	10:34	271	17:26	41	23:05	260								
26-10	vry			0:05	305	6:33	54	12:10	320	18:55	50					5:36	44	11:25	273	18:06	42	23:46	263								
27-10	zat			0:46	305	7:11	50	12:55	315	19:31	51					6:16	42	11:44	272	18:14	45										
28-10	zon		0:22 EK	1:15	303	6:51	50	12:26	309	19:10	56	0:15	264	5:34	43	11:45	268	17:44	49	23:55	263										
29-10	maa			0:40	301	7:27	52	13:06	301	19:47	63					6:15	45	12:26	260	18:25	55										
30-10	din			1:10	301	8:08	57	13:45	292	20:28	72	0:46	259	6:44	50	13:16	249	19:16	64												
31-10	woe			2:10	299	8:57	65	14:44	281	21:15	84	1:25	254	7:35	58	14:10	238	20:05	75												
1-11	don			3:25	296	9:48	77	16:16	274	22:12	98	2:25	249	8:01	65	15:26	229	21:26	85												
2-11	vry			4:30	297	10:59	87	17:26	273	23:36	106	3:24	247	10:25	68	16:46	229	22:46	86												
3-11	zat			5:45	301	12:28	82	18:35	278			4:44	252	11:35	60	17:55	236														
4-11	zon		6:23 VM			1:01	94	6:57	308	13:38	69	19:55	285			0:06	77	6:16	261	12:50	48	19:06	245								
5-11	maa					2:05	78	7:49	316	14:40	56	20:45	293			1:16	64	7:04	269	13:56	41	20:01	253								
6-11	din					3:03	63	8:50	320	15:33	48	21:46	299			2:26	55	8:17	274	14:57	39	20:46	257								
7-11	woe					3:53	53	9:40	321	16:19	46	22:25	303			3:16	49	8:44	275	15:46	40	21:26	260								
8-11	don					4:38	47	10:25	318	17:04	48	23:10	306			4:06	45	9:25	274	16:26	44	22:06	263								
9-11	vry					5:23	46	11:06	314	17:44	53	23:25	307			4:46	43	10:04	271	16:56	46	22:35	266								
10-11	zat		21:36 LK			6:04	48	11:34	307	18:21	59	23:54	309			5:16	42	10:56	266	17:05	47	23:10	267								
11-11	zon					6:40	54	12:10	299	18:58	66					5:46	43	11:24	256	17:46	49	23:35	263								
12-11	maa			0:14	309	7:15	63	12:35	289	19:28	73					6:15	47	12:16	244	18:26	55										
13-11	din			0:55	307	7:52	75	13:14	279	20:00	80	0:14	257	6:45	56	12:45	231	18:55	63												
14-11	woe			1:35	301	8:29	87	13:45	269	20:35	88	0:55	250	7:20	66	13:17	219	19:25	72												
15-11	don			2:37	293	9:06	99	14:34	261	21:12	99	1:36	243	8:06	77	14:16	211	20:16	81												
16-11	vry			3:20	286	9:49	110	15:40	254	22:00	113	2:15	237	8:50	85	15:05	207	20:54	90												
17-11	zat			4:25	281	10:55	118	16:55	254	23:46	124	3:25	235	9:56	90	16:36	210	22:16	95												
18-11	zon		12:42 NM	5:34	282	12:20	113	18:25	262			4:44	238	11:15	86	17:45	219	23:30	91												
19-11	maa					1:06	114	6:45	290	13:25	101	19:14	273	6:00	244	12:36	72	18:51	231												
20-11	din					2:01	100	7:45	300	14:25	87	20:26	285			0:45	78	6:54	253	13:26	57	19:45	242								
21-11	woe					2:56	87	8:30	309	15:19	74	21:06	296			1:46	64	7:45	260	14:16	47	20:30	251								
22-11	don					3:40	74	9:15	315	16:03	63	21:45	303			2:24	54	8:25	265	15:00	41	21:15	257								
23-11	vry					4:28	64	10:06	317	16:47	56	22:35	308			3:27	47	9:21	269	15:46	40	21:34	262								
24-11	zat					5:08	56	10:45	316	17:29	52	23:20	310			4:11	42	9:55	270	16:25	41	22:04	266								
25-11	zon					5:51	50	11:36	311	18:10	52	23:55	310			4:56	40	10:46													

