

# Getijdengegevens 2017

bron: eigen berekeningen

bron: getij.rws.nl

Referentievlak : LAT

**Holwerd**  
LAT=NAP-160

**53.39572° N, 5.88200° O**

**Wierumergronden**

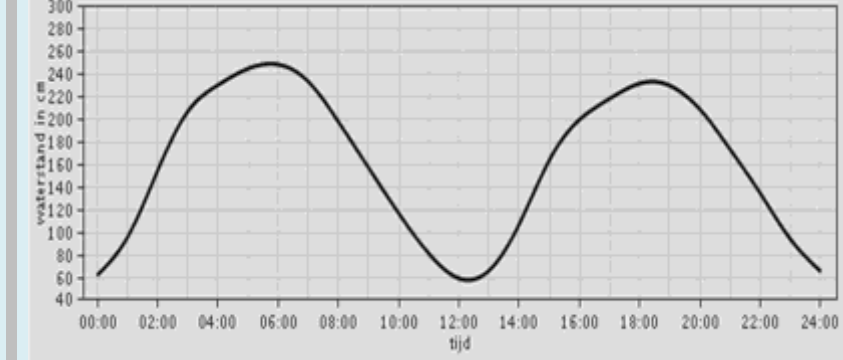
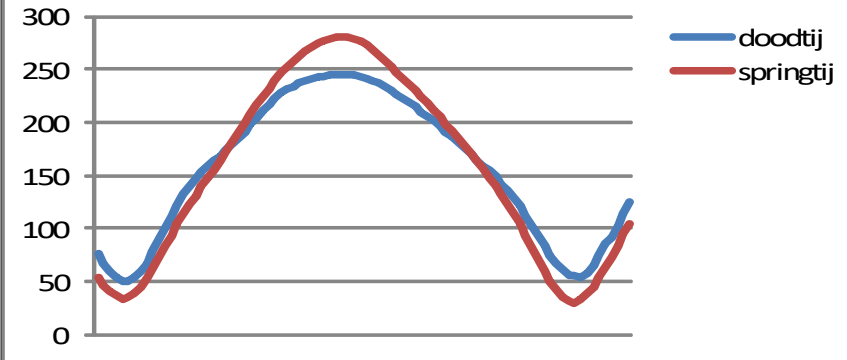
LAT=NAP-153

**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	zon					6:30	68	12:16	283	18:30	62	0:24	262			5:35	46	11:15	245	17:19	42	23:15	268
2-1	maa					7:02	67	12:49	281	19:07	62					5:55	45	12:06	241	18:06	43		
3-1	din			1:08	292	7:39	68	13:37	279	19:42	63	0:04	267			6:24	46	12:35	236	18:34	45		
4-1	woe			1:55	290	8:16	69	14:18	278	20:27	65	1:00	265			7:04	48	13:30	231	19:26	49		
5-1	don	20:47	EK	2:43	289	9:05	71	15:00	276	21:15	69	1:55	260			8:00	51	14:26	225	20:15	55		
6-1	vry			3:19	287	10:02	75	15:40	275	22:19	74	2:24	255			9:05	56	15:04	221	21:26	61		
7-1	zat			4:20	286	11:07	79	16:44	275	23:23	78	3:36	251			10:16	60	16:05	220	22:30	63		
8-1	zon			5:26	286	12:17	78	18:16	277			4:24	248			11:20	59	17:30	226	23:45	60		
9-1	maa					4:53	75	10:56	283	13:26	57	5:44	249			12:30	54	18:34	236				
10-1	din					1:57	71	7:52	286	14:26	68					1:06	52	6:54	254	13:30	48	19:40	249
11-1	woe					3:04	63	9:08	287	15:35	63					2:06	43	8:16	259	14:30	44	20:46	259
12-1	don	12:34	VM			4:16	56	10:13	287	16:37	60					3:26	36	9:10	261	15:47	42	21:36	267
13-1	vry					5:11	49	11:07	286	17:27	57					4:26	29	10:06	259	16:39	38	22:27	271
14-1	zat					5:59	46	11:57	285	18:12	56	0:03	293			5:16	24	10:56	255	17:26	36	22:54	273
15-1	zon					6:44	45	12:40	283	18:51	53					5:56	22	11:46	250	18:01	33	23:56	273
16-1	maa			0:42	266	7:23	46	13:14	282	19:28	52					6:35	23	12:20	245	18:36	32		
17-1	din			1:23	292	7:58	50	13:48	280	20:04	53	0:30	270			7:09	26	13:05	238	19:16	34		
18-1	woe			2:05	290	8:35	56	14:23	278	20:38	58	1:16	263			7:40	33	13:40	231	19:46	40		
19-1	don	23:13	LK	2:34	288	9:09	66	14:51	276	21:17	76	1:35	254			8:16	44	14:20	224	20:25	50		
20-1	vry			3:09	285	9:49	76	15:36	275	21:56	78	2:20	244			8:56	56	15:06	218	21:06	62		
21-1	zat			3:59	282	10:32	86	16:21	274	22:44	89	3:05	235			9:40	67	15:50	215	21:56	74		
22-1	zon			4:47	280	11:23	93	17:31	274	23:48	98	4:00	226			10:35	76	17:00	216	22:54	82		
23-1	maa			5:56	278	12:42	94	18:42	276			5:10	223			11:55	77	17:54	222				
24-1	din					1:23	96	7:14	277	13:56	85					0:30	79	6:35	225	13:06	68	19:10	233
25-1	woe					2:35	86	8:19	279	14:52	74					1:45	68	7:25	231	14:00	57	20:11	244
26-1	don					3:22	76	9:16	281	15:46	66					2:30	56	8:24	237	14:56	49	20:44	252
27-1	vry					4:14	68	9:59	282	16:27	62					3:21	47	9:04	241	15:30	43	21:24	258
28-1	zat	1:07	NM			4:59	63	10:43	282	17:09	58					4:06	41	9:44	243	16:10	39	22:05	263

Referentievlak : LAT				Holwerd LAT=NAP-160								Wierumergronden LAT=NAP-153											
				53.39572° N, 5.88200° O								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				
29-1	zon					5:46	59	11:28	283	17:46	55	23:29	292			4:56	37	10:35	245	16:45	36	22:25	267
30-1	maa					6:22	55	12:03	282	18:21	52	0:13	292			5:31	33	11:05	246	17:15	34	23:15	271
31-1	din					7:00	53	12:47	282	19:04	50					6:05	32	11:56	245	18:06	32		
1-2	woe			1:02	293	7:41	54	13:28	281	19:35	50	0:06	272			6:46	33	12:30	243	18:24	33		
2-2	don			1:45	292	8:11	57	14:06	279	20:18	52	0:51	270			7:04	36	13:16	237	19:15	36		
3-2	vry			2:28	290	8:53	62	14:46	277	21:02	57	1:30	264			7:50	42	14:06	230	19:54	42		
4-2	zat	5:19	EK	3:09	287	9:37	68	15:19	276	21:59	64	2:15	255			8:35	49	14:45	224	21:06	49		
5-2	zon			4:00	284	10:39	76	16:12	275	22:55	71	3:05	246			9:47	58	15:45	220	21:55	56		
6-2	maa			5:03	282	11:42	81	17:34	276			4:16	238			10:50	63	16:45	221	23:26	57		
7-2	din					8:43	77	14:48	279	12:59	36	18:49	231	5:30	236	12:06	61	18:10	231				
8-2	woe					1:33	68	7:46	281	14:15	72	20:13	284			0:34	50	6:45	240	13:15	53	19:20	244
9-2	don					3:00	58	8:59	283	15:27	63	21:23	288			2:06	39	8:05	247	14:35	45	20:25	256
10-2	vry					4:04	47	10:03	284	16:23	55	22:19	290			3:15	28	9:06	251	15:35	37	21:27	264
11-2	zat	1:33	VM			4:59	41	10:53	284	17:13	51	23:05	292			4:16	20	9:44	251	16:22	31	22:06	269
12-2	zon					5:46	39	11:44	283	17:57	48	23:47	292			4:59	16	10:41	250	17:06	28	22:51	271
13-2	maa					6:26	40	12:18	282	18:34	45	0:27	262			5:36	17	11:15	247	17:46	24	23:25	270
14-2	din					7:01	42	12:50	281	19:08	42					6:12	18	11:56	244	18:17	22	23:55	266
15-2	woe			1:01	265	7:32	45	13:25	280	19:35	42					6:35	21	12:30	240	18:40	22		
16-2	don			1:35	289	8:03	51	13:49	279	20:09	48	0:46	259			7:06	27	13:05	234	19:16	28		
17-2	vry			2:03	286	8:30	59	14:12	278	20:38	57	1:16	249			7:36	37	13:24	227	19:46	38		
18-2	zat	20:33	LK	2:36	283	9:04	68	14:36	276	21:18	67	1:46	238			8:16	48	13:45	221	20:27	50		
19-2	zon			3:01	280	9:35	76	15:14	275	21:54	77	2:10	228			8:46	59	14:27	216	21:06	62		
20-2	maa			3:46	277	10:17	84	16:17	274	22:45	88	2:54	218			9:25	69	15:40	212	22:00	73		
21-2	din			4:54	275	11:17	92	17:41	274	0:04	94	4:10	210			10:30	77	16:55	214	23:15	79		
22-2	woe			6:17	275	12:53	92	19:09	277			5:40	211			12:00	77	18:25	224				
23-2	don					1:48	86	7:46	275	14:18	78	20:21	282			1:05	69	7:00	220	13:25	62	19:25	236
24-2	vry					2:52	71	8:52	278	15:17	65	21:27	286			2:06	52	8:05	230	14:26	48	20:36	247
25-2	zat					3:45	59	9:46	280	16:03	56	22:09	288			2:44	39	8:55	237	15:10	38	21:15	255
26-2	zon	15:58	NM			4:37	51	10:36	281	16:51	50	22:46	289			3:46	30	9:46	241	15:56	32	21:56	260
27-2	maa					5:23	45	11:17	282	17:34	45	23:27	291			4:31	23	10:27	244	16:41	26	22:25	266
28-2	din					6:05	41	11:57	282	18:17	41	0:01	292			5:15	19	10:55	247	17:26	22	23:05	271
1-3	woe					6:46	39	12:37	282	18:56	37					5:56	18	11:36	249	18:06	19	23:56	272
2-3	don			0:50	265	7:26	40	13:13	282	19:36	37					6:36	20	12:04	247	18:47	20		
3-3	vry			1:31	291	8:06	46	13:49	280	20:15	40	0:36	269			7:16	26	12:56	243	19:21	23		
4-3	zat			2:07	288	8:41	53	14:28	279	20:50	46	1:04	261			7:46	34	13:35	236	19:44	30		
5-3	zon	12:32	EK	2:53	285	9:19	63	14:59	277	21:37	54	1:55	250			8:26	44	14:14	228	20:34	39		
6-3	maa			3:48	281	10:06	73	15:54	276	22:38	63	2:56	237			9:04	56	15:05	222	21:45	48		
7-3	din			4:55	278	11:17	81	17:23	276	23:58	68	3:55	227			10:15	65	16:24	222	23:15	52		
8-3	woe			6:12	278	12:40	81	18:42	278			5:14	224			11:45	64	17:45	229				
9-3	don					1:23	62	7:39	278	13:59	70	20:03	283			0:24	44	6:56	230	13:06	53	19:15	242
10-3	vry					2:44	49	8:53	280	15:11	57	21:06	287			1:50	30	7:55	239	14:21	40	20:04	253
11-3	zat					3:50	37	9:51	282	16:07	47	21:56	289			3:01	18	8:44	244	15:21	30	21:06	261

Referentievlak : LAT				Holwerd LAT=NAP-160								Wierumergronden LAT=NAP-153											
				53.39572° N, 5.88200° O								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				
12-3	zon		15:54 VM			4:40	32	10:39	282	16:55	43	22:44	290			3:52	12	9:40	246	16:06	25	21:55	263
13-3	maa					5:25	34	11:23	282	17:35	42	23:23	290			4:36	13	10:15	245	16:46	22	22:26	264
14-3	din					6:02	39	11:54	282	18:12	40	0:00	290			5:16	16	10:50	245	17:21	19	23:07	263
15-3	woe					6:34	41	12:22	282	18:41	38	0:40	260			5:46	18	11:26	245	17:46	17	23:41	260
16-3	don					7:03	42	12:51	282	19:12	38					6:06	19	12:05	243	18:16	17		
17-3	vry			1:06	286	7:29	46	13:25	281	19:42	43			0:16	252	6:30	23	12:30	239	18:46	22		
18-3	zat			1:35	283	7:57	53	13:46	279	20:11	51			0:46	241	7:01	31	12:44	232	19:16	31		
19-3	zon			1:54	280	8:22	59	14:05	278	20:40	65			1:05	230	7:26	40	13:05	226	19:46	41		
20-3	maa		16:58 LK			8:52	65	14:41	277	21:15	66			1:27	219	8:00	48	13:56	221	20:26	51		
21-3	din			3:06	275	9:36	72	15:27	276	22:03	76			2:20	210	8:46	58	14:44	216	21:15	62		
22-3	woe			4:05	273	10:27	81	16:48	274	23:10	84			3:15	203	9:40	68	16:00	214	22:15	70		
23-3	don			5:27	272	11:43	88	18:10	275					4:50	202	10:45	74	17:30	219	23:54	65		
24-3	vry					4:56	81	11:16	275	13:23	59	19:40	258	6:24	212	12:24	65	18:55	232				
25-3	zat					2:15	64	8:22	276	14:33	64	20:51	284			1:26	46	7:24	224	13:35	48	19:55	244
26-3	zon					4:19	50	10:21	279	16:37	52	22:40	287			3:26	30	9:30	235	15:46	35	21:45	253
27-3	maa					5:09	40	11:11	281	17:26	44	23:30	289			4:16	20	10:16	241	16:36	26	22:35	259
28-3	din		4:57 NM			5:55	34	11:53	282	18:14	37	0:10	290			5:06	14	10:56	245	17:26	19	23:16	264
29-3	woe					6:43	31	12:37	282	18:59	32					5:56	11	11:30	249	18:12	13	23:46	268
30-3	don			0:53	264	7:26	30	13:20	283	19:41	28					6:36	10	12:16	251	18:51	9		
31-3	vry			1:30	291	8:06	33	13:57	283	20:20	27			0:31	269	7:17	13	12:56	251	19:31	9		
1-4	zat			2:15	289	8:45	39	14:37	282	21:01	30			1:10	265	7:51	19	13:36	248	20:11	13		
2-4	zon			3:02	286	9:18	47	15:19	281	21:42	37			2:01	256	8:14	29	14:21	243	20:51	20		
3-4	maa		20:39 EK			3:41	282	9:56	279	22:26	68			2:46	243	8:54	40	14:54	235	21:25	30		
4-4	din			4:40	278	10:55	68	16:44	278	23:29	55			3:46	229	10:05	52	15:54	229	22:35	39		
5-4	woe			5:45	276	11:52	77	18:10	277					4:50	220	10:55	62	17:26	228	23:55	43		
6-4	don					4:59	65	11:07	275	13:15	57	19:27	258	6:04	218	12:30	61	18:24	233				
7-4	vry					2:07	53	8:28	276	14:44	65	20:41	284			1:15	35	7:35	225	13:56	50	19:50	243
8-4	zat					3:28	40	9:37	278	15:52	52	21:46	286			2:37	23	8:40	234	15:06	37	20:45	251
9-4	zon					4:27	31	10:38	280	16:45	43	22:40	288			3:36	14	9:45	239	15:56	27	21:46	256
10-4	maa					5:16	30	11:12	281	17:33	41	23:20	288			4:26	12	10:15	241	16:45	23	22:26	256
11-4	din		8:08 VM			6:00	35	11:57	281	18:14	42	0:02	287			5:11	15	10:56	241	17:26	22	23:07	255
12-4	woe					6:36	40	12:23	281	18:49	42	0:41	259			5:46	19	11:26	244	17:57	21	23:36	254
13-4	don					7:02	42	12:50	282	19:13	39					6:06	20	11:56	247	18:15	18		
14-4	vry			1:10	286	7:31	42	13:27	283	19:45	39			0:16	251	6:36	20	12:26	248	18:46	18		
15-4	zat			1:34	284	7:57	44	13:55	282	20:13	43			0:45	244	7:01	22	12:55	244	19:16	22		
16-4	zon			2:02	281	8:24	48	14:21	281	20:42	50			1:04	233	7:26	28	13:31	238	19:46	29		
17-4	maa			2:29	278	8:48	53	14:42	279	21:10	55			1:34	222	7:50	34	13:47	231	20:16	36		
18-4	din			2:59	275	9:18	57	15:10	278	21:49	60			2:16	213	8:14	41	14:17	226	20:56	43		
19-4	woe		11:57 LK			3:31	273	10:04	277	22:39	66			2:45	205	9:16	49	15:26	222	21:46	51		
20-4	don			4:40	271	10:55	70	16:59	276	23:38	72			4:06	200	10:11	58	16:14	220	22:50	57		
21-4	vry			6:00	271	12:02	78	18:33	276					5:26	200	11:15	65	17:46	223				
22-4	zat					1:02	72	7:24	271	13:35	75	19:52	281			0:05	55	6:35	208	12:46	61	18:55	232

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					
23-4	zon					2:34	58	8:48	275	14:55	62	21:03	284			1:46	40	8:06	221	14:00	46	20:04	243	
24-4	maa					3:36	43	9:53	278	15:57	50	22:08	287			2:40	24	9:05	232	15:00	32	21:16	252	
25-4	din					4:33	34	10:47	280	16:53	41	22:54	288			3:36	15	9:56	240	15:56	23	22:05	258	
26-4	woe	14:16	NM			5:26	30	11:28	282	17:44	34	23:43	289			4:36	11	10:25	246	16:50	16	22:46	262	
27-4	don					6:16	29	12:17	283	18:35	29	0:35	260			5:27	10	11:16	250	17:46	11	23:26	264	
28-4	vry					7:02	29	12:55	284	19:23	25					6:11	10	11:50	254	18:36	6			
29-4	zat				1:13	289	7:44	32	13:41	284	20:06	24		0:15	263	6:55	13	12:37	255	19:16	5			
30-4	zon				2:02	287	8:26	37	14:13	284	20:50	26		1:01	258	7:35	18	13:16	254	20:01	7			
1-5	maa				2:47	284	9:04	44	14:58	283	21:33	31		1:46	248	8:11	25	14:06	250	20:46	13			
2-5	din				3:31	280	9:47	52	15:43	282	22:19	60		2:36	237	8:56	35	14:55	245	21:25	21			
3-5	woe	4:47	EK			4:30	277	10:37	60	16:43	281	23:19	47		3:36	226	9:46	45	15:56	240	22:26	29		
4-5	don				5:36	275	11:37	67	17:48	280				4:40	219	10:46	53	16:55	238	23:24	34			
5-5	vry					8:45	64	14:55	278	12:39	30	19:10	232		5:50	218	12:00	55	17:55	239				
6-5	zat					1:44	47	8:03	274	14:10	63	20:07	284			0:56	30	7:05	222	13:15	48	19:14	243	
7-5	zon					2:54	40	9:04	277	15:17	53	21:16	285			1:55	23	8:10	229	14:19	38	20:14	247	
8-5	maa					3:57	35	10:06	279	16:19	47	22:13	286			3:06	19	9:16	234	15:27	32	21:15	249	
9-5	din					4:47	36	10:50	280	17:03	45	22:56	285			3:56	19	9:56	237	16:10	28	21:55	248	
10-5	woe	23:43	VM			5:28	40	11:19	281	17:47	47	23:28	285			4:35	22	10:14	240	16:56	28	22:36	247	
11-5	don					6:03	45	11:55	282	18:20	47	0:03	284			5:05	24	10:56	245	17:25	26	22:54	246	
12-5	vry					6:32	45	12:27	284	18:52	46	0:42	257			5:36	24	11:25	250	17:56	24	23:40	244	
13-5	zat					6:56	44	12:54	284	19:20	45					5:55	23	12:00	252	18:15	24			
14-5	zon				1:15	282	7:25	44	13:30	284	19:50	47		0:21	238	6:26	24	12:36	249	18:50	26			
15-5	maa				1:48	279	7:56	46	13:58	282	20:24	52		0:56	229	6:56	28	13:05	244	19:26	31			
16-5	din				2:13	277	8:27	50	14:26	281	20:54	52		1:25	220	7:26	32	13:35	239	19:56	35			
17-5	woe				2:50	274	8:59	52	15:03	280	21:29	58		2:06	212	8:05	36	14:15	235	20:37	39			
18-5	don				3:12	273	9:39	56	15:44	279	22:19	60		2:35	206	8:46	42	15:00	232	21:26	43			
19-5	vry	2:33	LK			4:17	271	10:34	62	16:43	279	23:11	63		3:46	203	9:46	50	15:55	231	22:15	47		
20-5	zat				5:13	271	11:39	68	17:39	279				4:35	203	10:56	56	16:45	232	23:35	45			
21-5	zon					4:39	66	10:51	273	12:47	52	19:05	259		5:55	209	11:55	55	18:15	237				
22-5	maa					1:49	54	8:04	274	14:12	61	20:14	284			0:56	36	7:04	219	13:15	45	19:15	244	
23-5	din					2:59	43	9:14	277	15:21	51	21:23	287			2:06	24	8:20	231	14:26	33	20:24	252	
24-5	woe					3:57	35	10:10	280	16:23	42	22:29	288			2:55	16	9:16	240	15:25	24	21:31	258	
25-5	don	21:44	NM			4:53	33	11:01	282	17:17	36	23:24	288			3:57	14	10:00	248	16:20	18	22:26	260	
26-5	vry					5:47	33	11:46	284	18:15	31	0:12	288			4:51	14	10:35	253	17:25	13	23:06	260	
27-5	zat					6:36	34	12:33	285	19:05	27					5:47	16	11:31	258	18:15	8	23:56	257	
28-5	zon				1:05	261	7:25	36	13:16	286	19:50	25				6:31	17	12:16	260	19:02	5			
29-5	maa				1:43	285	8:08	38	14:03	286	20:38	26		0:35	251	7:16	20	13:00	261	19:49	5			
30-5	din				2:32	282	8:51	41	14:50	286	21:24	29		1:35	244	8:01	23	13:56	259	20:36	9			
31-5	woe				3:25	279	9:33	46	15:32	285	22:10	34		2:25	235	8:46	29	14:40	256	21:19	14			
1-6	don	14:42	EK			4:20	277	10:19	51	16:26	284	22:59	41		3:26	227	9:26	36	15:35	251	22:06	22		
2-6	vry				5:11	275	11:13	58	17:24	283	23:57	47		4:26	221	10:26	44	16:35	247	23:06	29			
3-6	zat				6:15	275	12:16	64	18:30	282				5:26	219	11:26	50	17:35	244					

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					
4-6	zon					1:02	51	7:16	274	13:25	65	19:32	283			0:16	33	6:25	220	12:36	51	18:35	242	
5-6	maa					2:08	50	8:19	275	14:39	62	20:32	283			1:15	32	7:14	223	13:45	47	19:34	241	
6-6	din					3:06	48	9:20	277	15:38	58	21:36	283			2:04	31	8:15	229	14:45	42	20:45	241	
7-6	woe					4:04	47	10:06	279	16:30	55	22:17	283			3:06	30	9:04	235	15:30	38	21:14	241	
8-6	don					4:52	48	10:50	281	17:14	55	22:57	283			3:50	30	9:34	241	16:16	36	22:00	241	
9-6	vry	15:10	VM			5:28	50	11:28	283	17:56	55	23:40	282			4:31	30	10:20	248	16:56	34	22:46	240	
10-6	zat					6:04	50	12:04	285	18:28	53	0:19	282			5:06	30	11:00	253	17:30	32	23:21	239	
11-6	zon					6:32	48	12:38	286	18:56	53	0:49	255			5:25	29	11:35	255	17:55	32	23:55	235	
12-6	maa					7:06	48	13:10	286	19:35	53					6:06	29	12:10	255	18:36	32			
13-6	din				1:30	279	7:37	48	13:43	285	20:03	55		0:35	230	6:36	30	12:34	252	18:55	34			
14-6	woe				2:07	278	8:08	50	14:20	284	20:40	57		1:16	224	7:05	32	13:20	250	19:35	35			
15-6	don				2:36	276	8:43	51	14:53	283	21:15	53		1:50	219	7:45	34	14:06	247	20:16	36			
16-6	vry				3:11	274	9:26	53	15:25	282	22:02	57		2:24	214	8:26	38	14:34	244	21:05	38			
17-6	zat	13:33	LK		3:58	273	10:17	57	16:22	282	22:57	59		3:26	211	9:25	44	15:35	243	22:07	41			
18-6	zon				4:47	272	11:14	62	17:21	282	23:58	60		4:15	211	10:27	49	16:25	243	23:05	41			
19-6	maa				6:07	273	12:15	65	18:19	282				5:26	213	11:25	50	17:15	243					
20-6	din					1:12	57	7:19	274	13:33	62	19:33	285			0:16	38	6:30	220	12:46	46	18:34	246	
21-6	woe					2:17	50	8:30	277	14:45	55	20:46	286			1:19	31	7:46	230	13:50	37	19:44	251	
22-6	don					3:23	45	9:36	280	15:50	48	22:00	287			2:25	25	8:45	241	14:44	29	21:05	256	
23-6	vry					4:27	42	10:33	283	16:52	43	22:57	287			3:26	23	9:35	251	15:45	24	21:55	258	
24-6	zat	4:31	NM			5:21	41	11:27	285	17:58	38	23:57	287			4:20	23	10:26	258	17:07	19	22:56	257	
25-6	zon					6:17	42	12:17	287	18:53	33					5:26	24	11:16	263	18:05	13	23:40	254	
26-6	maa				0:53	261	7:08	41	13:02	288	19:39	29				6:19	23	12:07	266	18:51	8			
27-6	din				1:38	284	7:52	40	13:45	289	20:24	28		0:35	249	7:01	22	12:45	268	19:36	7			
28-6	woe				2:27	282	8:34	40	14:36	289	21:08	30		1:26	243	7:40	22	13:46	267	20:19	8			
29-6	don				3:08	280	9:18	41	15:18	288	21:50	34		2:05	237	8:26	24	14:20	265	21:01	13			
30-6	vry				3:50	278	9:59	45	16:05	287	22:33	53		2:55	231	9:06	29	15:16	259	21:40	21			
1-7	zat	2:51	EK		4:40	276	10:42	53	16:55	285	23:19	51		3:56	225	9:51	37	16:00	252	22:26	32			
2-7	zon				5:30	275	11:33	63	17:46	282				4:46	221	10:40	47	16:56	244	23:20	42			
3-7	maa					8:31	69	14:26	277	12:23	31	18:39	232		5:35	219	11:46	57	17:35	237				
4-7	din					1:17	66	7:17	274	13:49	76	19:44	281			0:26	49	6:30	221	12:56	61	18:50	234	
5-7	woe					2:22	66	8:23	276	14:52	73	20:45	281			1:25	49	7:15	226	14:01	57	19:47	233	
6-7	don					3:22	63	9:22	279	15:56	69	21:46	281			2:26	46	8:30	235	14:56	51	20:56	235	
7-7	vry					4:14	59	10:13	282	16:46	65	22:33	282			3:16	42	9:05	243	15:46	46	21:35	237	
8-7	zat					4:59	57	10:56	284	17:27	62	23:22	282			4:06	39	9:54	250	16:30	42	22:20	238	
9-7	zon	6:07	VM			5:38	55	11:43	286	18:08	60	0:00	282			4:40	37	10:46	255	17:10	39	23:01	238	
10-7	maa					6:15	54	12:11	287	18:47	58	0:24	255			5:15	36	11:05	258	17:50	37	23:35	237	
11-7	din					6:54	53	12:42	287	19:22	57					5:57	35	11:35	260	18:26	36			
12-7	woe				1:03	281	7:24	52	13:19	287	19:58	56		0:04	235	6:26	34	12:14	261	19:01	35			
13-7	don				1:42	280	7:57	51	14:03	287	20:30	57		0:44	233	6:56	33	13:00	262	19:25	35			
14-7	vry				2:32	278	8:30	51	14:42	286	21:02	57		1:36	231	7:25	34	13:35	260	19:54	36			
15-7	zat				3:03	277	9:16	53	15:25	285	21:43	55		2:15	227	8:16	37	14:36	257	20:34	38			

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				
16-7	zon		21:26 LK	3:46	275	9:59	55	16:03	284	22:32	61			3:06	223	9:06	41	15:16	254	21:36	41		
17-7	maa			4:23	275	10:48	60	16:49	283	23:29	64			3:56	220	9:56	46	15:54	250	22:30	45		
18-7	din			5:18	275	11:45	65	17:46	283					4:34	219	10:45	51	16:45	246	23:35	48		
19-7	woe					4:45	68	10:29	277	13:03	51	19:05	260	5:35	222	12:06	51	18:04	245				
20-7	don					1:47	65	7:46	277	14:17	63	20:19	285			0:50	46	6:54	231	13:27	46	19:24	248
21-7	vry					2:51	60	9:04	281	15:30	57	21:44	286			1:55	41	8:04	243	14:30	37	20:46	253
22-7	zat					4:04	55	10:12	285	16:40	49	22:41	287			3:00	36	9:16	255	15:40	30	21:46	256
23-7	zon		11:45 NM			5:03	52	11:06	288	17:45	43	23:43	287			3:54	35	10:05	264	16:56	24	22:40	256
24-7	maa					6:03	49	12:00	290	18:38	38	0:41	258			5:11	32	11:01	270	17:51	17	23:37	253
25-7	din					6:53	46	12:50	290	19:27	35					6:06	29	11:46	273	18:39	13		
26-7	woe			1:27	284	7:35	44	13:27	291	20:08	34			0:26	250	6:46	26	12:30	275	19:22	12		
27-7	don			2:12	283	8:16	41	14:13	291	20:47	36			1:16	246	7:25	23	13:21	274	19:56	14		
28-7	vry			2:44	281	8:53	41	14:55	290	21:25	41			1:56	242	8:00	23	14:07	269	20:30	19		
29-7	zat			3:21	280	9:33	45	15:35	287	22:00	54			2:30	237	8:46	28	14:40	262	21:06	29		
30-7	zon		17:23 EK	3:55	278	10:10	54	16:02	284	22:41	61			3:16	230	9:16	37	15:04	251	21:46	41		
31-7	maa			4:25	277	10:49	66	16:49	281	23:18	73			3:44	224	9:56	49	15:54	241	22:26	54		
1-8	din			5:11	276	11:31	79	17:32	279					4:25	220	10:40	62	16:35	231	23:15	66		
2-8	woe					8:28	88	14:31	276	12:07	37	18:29	231	5:25	220	11:34	74	17:55	226				
3-8	don					1:18	87	7:25	276	13:58	92	19:52	278			0:24	72	6:34	225	13:16	76	18:55	225
4-8	vry					2:40	82	8:39	279	15:17	84	21:06	280			1:56	67	7:34	234	14:26	67	20:15	230
5-8	zat					3:42	73	9:41	282	16:08	75	22:02	281			2:46	57	8:35	244	15:15	56	21:04	235
6-8	zon					4:30	66	10:36	285	17:02	68	22:58	282			3:36	50	9:46	253	16:11	48	22:06	239
7-8	maa		20:11 VM			5:17	62	11:18	287	17:47	64	23:38	283			4:26	45	10:26	259	16:50	43	22:46	241
8-8	din					5:55	59	11:56	288	18:29	61	0:17	256			4:55	42	10:55	263	17:37	40	23:26	242
9-8	woe					6:30	57	12:24	289	19:09	58					5:25	40	11:15	266	18:17	37	23:55	244
10-8	don			1:01	259	7:12	55	13:10	290	19:47	56					6:16	37	12:05	270	18:56	35		
11-8	vry			1:35	283	7:45	53	13:47	290	20:20	56			0:36	245	6:45	35	12:46	272	19:26	35		
12-8	zat			2:10	282	8:20	52	14:27	290	20:50	58			1:16	244	7:14	35	13:26	271	19:44	38		
13-8	zon			2:44	281	9:00	54	15:11	288	21:25	62			1:45	240	7:55	37	14:11	267	20:14	42		
14-8	maa			3:30	279	9:35	57	15:46	286	22:05	63			2:46	235	8:24	42	14:55	260	20:54	48		
15-8	din		3:15 LK	3:56	278	10:22	63	16:29	284	23:00	74			3:26	230	9:14	48	15:35	252	22:00	55		
16-8	woe			4:50	278	11:19	70	17:30	282	23:58	80			4:16	227	10:25	55	16:24	244	23:05	63		
17-8	don			5:49	278	12:34	75	18:43	281					5:05	227	11:46	60	17:44	240				
18-8	vry					1:20	82	7:24	279	13:53	73	20:09	283			0:26	65	6:25	234	12:55	56	19:15	243
19-8	zat					2:39	76	8:42	283	15:15	64	21:32	285			1:47	59	7:35	247	14:15	45	20:36	250
20-8	zon					3:47	67	9:46	287	16:32	53	22:37	287			2:45	50	8:44	260	15:36	35	21:35	255
21-8	maa		20:30 NM			4:54	59	10:49	290	17:34	46	23:31	287			4:01	43	9:56	270	16:46	27	22:25	257
22-8	din					5:51	54	11:43	291	18:23	42	0:21	286			5:06	38	10:46	275	17:36	22	23:21	256
23-8	woe					6:37	51	12:32	292	19:06	43					5:49	33	11:31	278	18:15	21		
24-8	don			1:06	285	7:20	49	13:10	292	19:47	44			0:06	253	6:32	30	12:16	278	18:55	22		
25-8	vry			1:41	285	7:55	46	13:49	291	20:22	48			0:46	251	7:06	28	12:50	276	19:31	25		
26-8	zat			2:17	284	8:29	47	14:30	290	20:54	53			1:26	248	7:36	28	13:30	270	20:01	30		

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				
27-8	zon			2:41	283	9:00	51	15:00	287	21:24	61			1:50	244	8:06	32	14:06	260	20:25	39		
28-8	maa			3:07	281	9:31	60	15:26	283	21:57	72			2:14	237	8:35	41	14:24	248	21:06	51		
29-8	din	10:13	EK	3:40	280	10:07	72	15:54	280	22:23	82			2:45	231	9:16	54	14:55	236	21:24	64		
30-8	woe			4:13	279	10:41	84	16:32	277	23:06	91			3:27	226	9:44	68	15:44	226	22:26	76		
31-8	don			5:12	278	11:32	96	17:48	275	0:04	99			4:30	223	10:46	81	17:00	218	23:16	86		
1-9	vry			6:23	278	12:46	104	19:02	275					5:35	224	11:49	89	18:15	218				
2-9	zat					1:30	102	7:51	279	14:30	98	20:24	278			0:40	89	7:05	233	13:34	82	19:24	225
3-9	zon					3:00	89	9:09	283	15:39	83	21:36	281			2:10	75	8:15	245	14:46	65	20:56	235
4-9	maa					4:06	77	10:00	286	16:34	72	22:36	283			3:16	62	9:04	255	15:41	52	21:46	242
5-9	din					4:47	68	10:55	288	17:19	64	23:14	284			3:50	52	10:01	263	16:26	44	22:26	247
6-9	woe	9:03	VM			5:36	63	11:29	290	18:03	60	23:58	285			4:46	47	10:24	267	17:11	39	23:00	250
7-9	don					6:15	60	12:10	291	18:46	57	0:23	257			5:21	42	11:11	272	17:56	36	23:24	252
8-9	vry					6:58	57	12:51	292	19:26	55					6:07	39	11:46	276	18:37	35		
9-9	zat			1:09	286	7:36	54	13:27	292	20:05	56			0:10	255	6:41	36	12:26	278	19:11	36		
10-9	zon			1:53	285	8:13	53	14:07	291	20:41	61			0:56	255	7:21	36	13:06	277	19:46	41		
11-9	maa			2:30	284	8:47	55	14:54	289	21:11	67			1:36	252	7:45	39	13:56	270	20:10	47		
12-9	din			3:10	283	9:23	60	15:31	286	21:48	75			2:16	247	8:14	44	14:35	261	20:34	56		
13-9	woe	8:25	LK	3:40	282	10:09	67	16:16	283	22:37	75			2:55	241	8:55	52	15:26	249	21:35	66		
14-9	don			4:28	281	11:07	75	17:15	280	23:37	91			3:51	236	10:16	61	16:26	239	22:40	76		
15-9	vry			5:38	280	12:23	82	18:35	279					4:45	234	11:35	67	17:35	234				
16-9	zat					0:57	95	7:07	281	13:42	78	20:02	282			0:05	80	6:04	240	12:45	62	19:04	239
17-9	zon					2:22	87	8:26	285	15:01	67	21:16	284			1:25	71	7:35	253	14:03	49	20:14	248
18-9	maa					3:35	74	9:36	289	16:17	54	22:20	287			2:40	58	8:40	266	15:26	37	21:15	255
19-9	din					4:39	64	10:37	291	17:16	47	23:18	287			3:45	48	9:46	274	16:32	29	22:16	258
20-9	woe	7:30	NM			5:32	58	11:24	292	18:04	48	0:03	287			4:46	42	10:26	277	17:16	28	22:55	257
21-9	don					6:17	57	12:09	292	18:47	52	0:37	258			5:26	39	11:06	278	17:59	31	23:30	257
22-9	vry					6:56	56	12:43	292	19:19	57					6:09	37	11:45	277	18:26	35		
23-9	zat			1:12	287	7:30	55	13:24	291	19:49	60			0:11	257	6:36	36	12:26	273	18:50	37		
24-9	zon			1:38	287	8:01	55	13:53	289	20:17	63			0:40	256	7:05	35	12:55	266	19:15	41		
25-9	maa			2:02	286	8:29	59	14:27	286	20:46	70			1:04	252	7:30	39	13:36	255	19:46	48		
26-9	din			2:31	285	9:01	68	14:50	282	21:14	79			1:34	246	8:05	48	14:06	243	20:16	58		
27-9	woe			3:00	283	9:29	79	15:11	279	21:43	84			2:16	240	8:36	60	14:15	231	20:56	68		
28-9	don	4:53	EK	3:27	282	10:04	87	15:49	277	22:22	91			2:40	234	9:15	71	14:55	221	21:36	78		
29-9	vry			4:09	281	10:52	97	16:47	275	23:06	99			3:25	229	10:06	83	16:10	214	22:26	88		
30-9	zat			5:30	280	11:41	106	18:09	274	0:14	107			4:56	227	10:55	92	17:34	213	23:24	95		
1-10	zon			6:53	281	13:24	105	19:39	276					6:07	232	12:34	90	18:55	221				
2-10	maa					2:05	103	8:15	282	14:55	89	20:55	281			1:16	90	7:24	244	14:05	72	20:04	234
3-10	din					3:13	87	9:21	286	15:55	73	21:59	284			2:15	73	8:24	256	15:00	55	21:05	245
4-10	woe					4:17	75	10:20	289	16:47	64	22:48	286			3:26	59	9:25	265	15:50	44	21:56	252
5-10	don	20:40	VM			5:00	67	10:55	291	17:37	59	23:27	287			4:06	50	10:05	271	16:46	39	22:36	256
6-10	vry					5:49	62	11:39	292	18:18	56	0:10	287			4:56	44	10:34	275	17:26	36	23:16	259
7-10	zat					6:34	57	12:23	293	19:01	56					5:46	40	11:21	279	18:06	36	23:35	262

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				
8-10	zon			0:53	262	7:16	54	13:05	293	19:45	58					6:26	37	12:05	280	18:56	39		
9-10	maa			1:30	288	7:56	54	13:47	291	20:19	63			0:26	264	7:06	37	12:46	277	19:26	44		
10-10	din			2:09	288	8:38	57	14:35	289	20:54	70			1:06	262	7:47	40	13:36	269	19:56	52		
11-10	woe			2:52	287	9:16	62	15:18	285	21:34	78			1:50	258	8:21	45	14:16	258	20:36	61		
12-10	don	14:25	LK	3:20	285	10:02	69	16:07	282	22:16	77			2:25	251	9:05	53	15:16	245	21:14	72		
13-10	vry			4:14	284	10:57	77	17:10	279	23:22	95			3:30	246	10:06	62	16:05	234	22:35	82		
14-10	zat			5:23	284	12:08	82	18:33	278					4:34	243	11:25	67	17:35	232	23:56	85		
15-10	zon					4:55	91	11:02	282	13:28	58	19:50	258	5:54	248	12:40	61	18:45	237				
16-10	maa					2:06	91	8:08	287	14:49	67	21:03	284			1:16	76	7:15	258	13:56	49	20:16	246
17-10	din					3:13	77	9:13	290	15:57	56	22:03	286			2:20	62	8:14	267	15:06	39	21:05	254
18-10	woe					4:17	67	10:13	291	16:56	53	22:51	287			3:26	52	9:25	273	16:06	35	21:56	257
19-10	don	21:12	NM			5:11	63	11:01	292	17:39	56	23:31	287			4:26	47	10:06	274	16:51	37	22:36	257
20-10	vry					5:53	63	11:43	291	18:17	63	0:05	288			5:05	45	10:45	273	17:25	42	23:06	259
21-10	zat					6:30	65	12:20	290	18:47	67	0:26	260			5:41	45	11:16	271	17:50	45	23:30	262
22-10	zon					7:03	64	12:50	289	19:16	68					6:06	44	11:45	268	18:16	46		
23-10	maa			1:07	289	7:30	64	13:24	287	19:42	69			0:05	263	6:30	43	12:26	261	18:46	47		
24-10	din			1:37	289	8:02	68	13:54	285	20:08	73			0:46	260	7:07	47	13:05	250	19:10	52		
25-10	woe			2:08	288	8:30	75	14:18	281	20:38	78			1:10	255	7:35	54	13:36	238	19:40	59		
26-10	don			2:29	286	9:01	82	14:37	279	21:07	88			1:34	248	8:06	63	13:47	227	20:10	66		
27-10	vry			2:54	285	9:31	88	15:16	277	21:46	87			2:00	242	8:35	71	14:34	219	20:56	74		
28-10	zat	0:22	EK	3:33	284	10:15	94	16:00	275	22:34	94			2:47	237	9:26	79	15:30	212	21:46	83		
29-10	zon			3:36	282	10:10	100	16:16	274	22:33	101			2:45	234	9:15	86	15:35	211	21:45	90		
30-10	maa			5:00	282	11:29	102	17:56	275	23:55	103			4:05	236	10:46	86	17:26	218	23:15	90		
31-10	din			6:18	285	13:06	91	19:18	278					5:34	244	12:16	74	18:35	231				
1-11	woe					1:25	92	7:36	286	14:10	74	20:16	283			0:30	77	6:50	255	13:16	56	19:24	243
2-11	don					2:28	79	8:33	289	15:05	63	21:17	286			1:36	62	7:35	264	14:05	44	20:26	252
3-11	vry					3:24	68	9:26	291	15:57	58	22:01	288			2:25	51	8:24	271	15:00	38	21:06	259
4-11	zat	6:23	VM			4:15	62	10:16	292	16:49	56	22:45	289			3:15	44	9:15	276	15:56	37	21:46	264
5-11	zon					5:08	58	10:58	292	17:36	57	23:30	290			4:17	40	9:55	278	16:46	38	22:26	267
6-11	maa					5:56	55	11:47	292	18:18	60	0:06	291			5:07	37	10:47	277	17:27	41	23:00	270
7-11	din					6:42	54	12:30	290	18:58	64					5:56	36	11:31	273	18:00	45	23:45	269
8-11	woe			0:53	264	7:23	55	13:15	287	19:39	70					6:30	37	12:16	264	18:46	52		
9-11	don			1:29	290	8:08	60	14:10	284	20:17	77			0:36	266	7:16	42	13:16	253	19:14	60		
10-11	vry	21:36	LK	2:12	289	8:55	66	15:04	281	21:05	83			1:14	261	8:06	48	14:06	242	20:16	68		
11-11	zat			3:03	288	9:47	72	16:05	279	22:03	76			2:26	256	8:56	55	15:10	234	21:16	76		
12-11	zon			4:06	287	10:50	76	17:17	278	23:14	93			3:15	253	9:55	60	16:26	231	22:26	80		
13-11	maa			5:33	287	12:06	75	18:15	278					4:46	254	11:16	58	17:24	234	23:45	75		
14-11	din					4:45	81	11:04	285	13:16	52	19:35	258	5:56	258	12:26	51	18:46	241				
15-11	woe					1:42	80	7:48	289	14:21	63	20:31	284			0:50	65	6:55	263	13:30	45	19:40	248
16-11	don					2:49	73	8:48	289	15:21	61	21:26	286			1:56	57	7:56	266	14:26	44	20:35	252
17-11	vry					3:42	69	9:33	289	16:08	64	21:59	287			2:51	52	8:35	266	15:16	46	20:54	255
18-11	zat	12:42	NM			4:27	69	10:09	289	16:46	69	22:29	288			3:36	51	9:04	264	15:45	49	21:24	259



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					
19-11	zon					5:07	71	10:50	288	17:16	72	22:57	290			4:16	51	9:45	263	16:15	50	21:54	264	
20-11	maa					5:39	72	11:14	287	17:46	71	23:40	291			4:45	50	10:15	260	16:46	49	22:35	267	
21-11	din					6:05	71	11:54	286	18:12	70	0:09	291			5:05	49	11:05	254	17:16	49	23:04	265	
22-11	woe					6:36	73	12:22	283	18:46	72	0:37	261			5:36	51	11:24	245	17:47	52	23:35	260	
23-11	don					7:05	77	12:52	281	19:12	74					6:05	56	11:55	235	18:16	56			
24-11	vry				1:06	288	7:37	82	13:21	278	19:42	77		0:15	255	6:41	61	12:40	227	18:46	60			
25-11	zat				1:40	287	8:12	85	13:54	277	20:23	87		0:46	250	7:16	66	13:14	220	19:27	65			
26-11	zon	18:03	EK			2:13	286	8:49	87	14:35	276	21:05	83	1:24	246	7:45	70	13:57	215	20:10	71			
27-11	maa					3:04	285	9:47	90	15:34	275	22:02	89	2:20	243	8:50	73	14:55	214	21:16	78			
28-11	din					4:02	285	10:51	91	17:00	275	23:11	92	3:14	243	10:00	74	16:26	217	22:26	80			
29-11	woe					5:23	286	12:11	86	18:17	277			4:15	246	11:25	69	17:40	225	23:46	74			
30-11	don							4:48	84	11:03	285	13:29	57	5:40	252	12:30	56	18:56	237					
1-12	vry							1:48	79	7:42	288	14:29	64			0:57	62	6:45	260	13:36	45	19:46	249	
2-12	zat							2:49	68	8:53	290	15:19	59			1:55	50	8:00	268	14:14	39	20:36	258	
3-12	zon	16:47	VM					3:49	61	9:46	291	16:15	57			2:51	42	8:56	272	15:16	37	21:15	265	
4-12	maa							4:42	57	10:39	291	17:11	58			3:45	38	9:45	273	16:17	39	22:00	270	
5-12	din							5:38	54	11:30	290	17:58	60			4:46	34	10:26	271	17:07	41	22:46	273	
6-12	woe							6:27	52	12:16	288	18:45	62			5:36	32	11:16	266	17:56	43	23:30	274	
7-12	don							7:14	51	13:03	286	19:28	64			6:27	31	11:55	258	18:37	46			
8-12	vry				1:23	292	8:01	53	13:57	283	20:11	67		0:26	272	7:11	32	12:55	250	19:21	49			
9-12	zat				2:07	292	8:45	57	14:46	281	20:56	71		1:16	269	7:56	37	13:45	241	20:06	55			
10-12	zon	8:51	LK					2:54	291	9:36	62	15:45	76			2:05	265	8:46	43	14:56	234	20:56	61	
11-12	maa							3:50	289	10:27	68	16:39	73			3:06	260	9:36	50	15:50	230	21:45	68	
12-12	din							4:45	288	11:31	73	17:43	77			3:54	255	10:40	55	16:56	229	23:06	71	
13-12	woe							6:03	287	12:33	75	18:42	78			5:04	252	11:34	57	17:54	231			
14-12	don							1:06	85	7:07	285	13:45	73			0:16	69	6:05	251	12:45	55	18:54	237	
15-12	vry							2:10	80	8:06	285	14:38	71			1:16	63	7:26	252	13:35	53	19:55	244	
16-12	zat							3:09	75	9:03	286	15:28	70			2:16	58	8:10	253	14:25	52	20:35	251	
17-12	zon							3:55	74	9:46	285	16:14	71			2:55	55	8:50	253	15:16	51	20:55	257	
18-12	maa	7:30	NM					4:37	74	10:19	285	16:49	71			3:35	53	9:14	252	15:50	50	21:34	263	
19-12	din							5:16	73	10:56	284	17:22	70			4:21	51	9:44	250	16:26	49	22:15	266	
20-12	woe							5:48	73	11:28	284	17:54	68			4:50	50	10:24	247	16:56	48	22:44	266	
21-12	don							6:20	73	11:59	282	18:24	67			5:26	51	11:04	242	17:26	48	23:14	264	
22-12	vry							6:50	74	12:37	281	18:53	67			5:50	52	11:35	236	17:50	48	23:55	261	
23-12	zat				1:00	264	7:24	76	13:02	279	19:23	68					6:26	54	12:15	230	18:14	50		
24-12	zon				1:24	289	7:52	77	13:42	277	19:58	68		0:36	257	6:56	55	12:54	225	19:00	52			
25-12	maa				1:59	288	8:34	77	14:16	276	20:39	78		1:04	254	7:36	57	13:35	221	19:35	57			
26-12	din	10:20	EK					2:36	287	9:18	78	15:01	75			1:45	251	8:26	59	14:24	219	20:46	62	
27-12	woe							3:29	287	10:19	80	15:55	76			2:35	249	9:26	62	15:15	219	21:56	67	
28-12	don							4:32	286	11:25	80	17:12	76			3:34	249	10:35	62	16:30	222	23:01	66	
29-12	vry							5:41	287	12:35	76	18:41	79			4:35	249	11:46	57	17:54	230			
30-12	zat							1:07	76	6:59	286	13:48	68			0:16	59	6:10	252	12:49	48	19:05	242	
31-12	zon							2:17	68	8:20	288	14:50	61			1:20	48	7:36	259	13:50	41	20:05	254	