

Getijdengegevens 2016

bron: eigen berekeningen

bron: getij.rws.nl

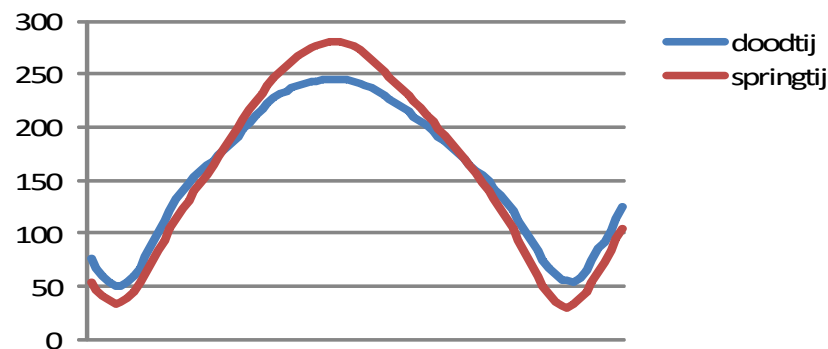
Referentievlak : LAT

maan

Holwerd 53.39572° N, 5.88200° O

LAT=NAP-160

HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
----	----	----	----	----	----	----	----	----	----



datum	dag	maan	stand
-------	-----	------	-------

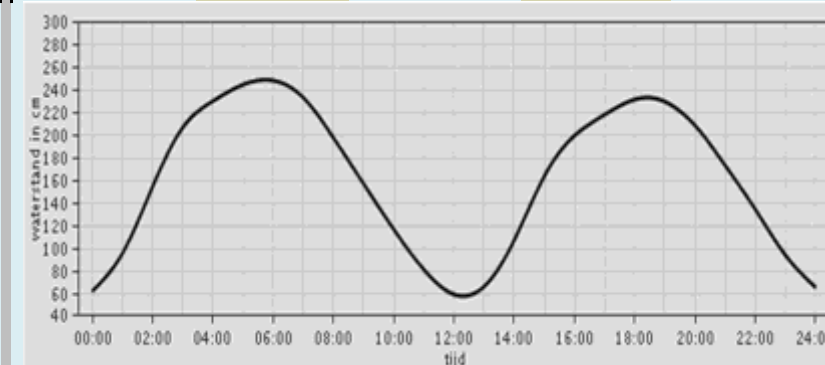
1-1	vry			2:18	262	8:53	80	14:39	276	20:57	81		
2-1	zat	6:30	LK	2:49	284	9:36	88	15:19	274	21:36	89		
3-1	zon			3:39	282	10:06	95	16:06	274	22:22	98		
4-1	maa			4:22	281	11:07	100	17:14	274	23:21	105		
5-1	din			5:29	280	12:09	100	18:26	276	0:41	106		
6-1	woe			6:44	280	13:32	92	19:31	279				
7-1	don					2:05	97	7:53	281	14:32	80	20:36	284
8-1	vry					2:58	85	8:53	282	15:22	70	21:29	287
9-1	zat					3:54	75	9:53	284	16:12	65	22:20	289
10-1	zon	2:30	NM			4:47	69	10:33	284	16:50	62	22:55	290
11-1	maa					5:31	64	11:21	284	17:41	60	23:28	292
12-1	din					6:18	61	11:56	283	18:24	59	0:09	292
13-1	woe					6:59	59	12:43	282	19:02	58		
14-1	don			1:01	293	7:42	59	13:33	281	19:45	58		
15-1	vry			1:48	292	8:26	61	14:14	279	20:31	60		
16-1	zat			2:33	290	9:08	66	15:01	277	21:16	64		
17-1	zon	0:26	EK	3:21	288	9:58	72	15:47	275	22:13	70		
18-1	maa			4:18	286	10:54	79	16:41	275	23:14	78		
19-1	din			5:12	284	11:55	85	17:50	275	0:27	83		
20-1	woe			6:29	283	13:07	83	19:09	278				
21-1	don					1:40	77	7:40	282	14:20	76	20:16	283
22-1	vry					2:53	67	8:51	283	15:27	69	21:13	286
23-1	zat					4:00	58	9:58	284	16:23	64	22:10	289
24-1	zon	2:46	VM			4:54	53	10:50	284	17:07	62	23:02	290
25-1	maa					5:40	53	11:24	282	17:48	61	23:39	291
26-1	din					6:17	56	11:59	281	18:25	59	0:06	291
27-1	woe					6:49	57	12:38	280	18:52	57		

Wierumergronden

53.5167° N, 5.9667° O

LAT=NAP-153

HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
----	----	----	----	----	----	----	----	----	----



						8:00	53	14:05	222	20:06	60		
1:55	245					8:46	63	14:45	217	20:46	69		
2:55	238					9:14	71	15:27	214	21:36	78		
3:25	232					10:10	76	16:40	215	22:35	84		
4:40	229					11:14	77	17:44	222	23:44	83		
6:00	230					12:35	69	18:50	233				
						1:15	73	7:15	237	13:46	58	19:56	244
						2:06	60	8:04	243	14:26	48	20:40	254
						2:56	50	9:06	248	15:16	43	21:25	260
						3:56	44	9:46	250	15:45	40	21:55	266
						4:36	39	10:25	251	16:45	38	22:30	271
						5:26	36	10:54	250	17:26	37	23:04	274
						6:06	34	11:45	249	17:54	37		
0:05	276					6:51	34	12:35	245	18:45	38		
0:56	274					7:35	37	13:20	240	19:35	41		
1:36	269					8:16	42	14:16	232	20:20	46		
2:25	261					9:06	49	15:05	226	21:26	53		
3:26	252					10:01	56	15:54	222	22:21	58		
4:14	245					10:54	61	17:04	224	23:30	59		
5:34	243					12:10	59	18:25	232				
						0:46	54	6:44	245	13:25	54	19:25	243
						1:55	45	7:54	249	14:36	48	20:14	253
						3:11	36	9:00	252	15:36	43	21:15	261
						4:06	30	9:45	251	16:16	40	22:06	265
						4:51	28	10:25	248	16:56	38	22:47	267
						5:26	29	11:05	245	17:36	36	23:04	267
						5:56	30	11:40	242	17:56	33	23:56	265

Referentievlak : LAT

maan

28-1 don
29-1 vry
30-1 zat
31-1 zon
1-2 maa 4:28 LK
2-2 din
3-2 woe
4-2 don
5-2 vry
6-2 zat
7-2 zon
8-2 maa 15:39 NM
9-2 din
10-2 woe
11-2 don
12-2 vry
13-2 zat
14-2 zon
15-2 maa 8:46 EK
16-2 din
17-2 woe
18-2 don
19-2 vry
20-2 zat
21-2 zon
22-2 maa 19:20 VM
23-2 din
24-2 woe
25-2 don
26-2 vry
27-2 zat
28-2 zon
3-3 maa
4-3 din
5-3 woe
6-3 don
7-3 vry
8-3 zat
9-3 zon 2:55 NM
10-3 maa
11-3 din

Holwerd 53.39572° N, 5.88200° O										Wierumergronden 53.5167° N, 5.9667° O									
LAT=NAP-160										LAT=NAP-153									
HW cm		lw cm		HW cm		lw cm		HW cm		HW cm		lw cm		HW cm		lw cm		HW cm	
0:46	290	7:21	59	13:04	280	19:22	56					6:26	31	12:15	238	18:25	33		
1:16	289	7:50	63	13:42	278	19:57	60			0:25	260	6:56	36	12:50	233	19:00	37		
1:52	286	8:21	69	14:04	277	20:25	65			1:05	252	7:26	43	13:25	227	19:35	44		
2:12	284	8:51	75	14:33	276	20:58	72			1:14	244	7:56	50	13:55	222	20:06	52		
2:49	282	9:25	80	15:01	276	21:41	80			1:50	236	8:35	57	14:20	218	20:56	61		
3:33	280	10:06	86	15:53	275	22:27	89			2:40	230	9:16	64	14:55	216	21:34	70		
4:26	278	11:04	92	17:06	275	23:37	96			3:25	223	10:16	70	16:14	216	22:50	75		
5:41	278	12:25	94	18:38	276					4:40	220	11:24	71	18:05	223				
		1:03	95	7:07	277	13:45	83	19:58	281			0:16	71	6:35	225	12:44	62	19:15	236
		2:26	81	8:21	279	14:48	70	20:59	285			1:36	57	7:34	234	13:44	49	20:04	248
		3:27	67	9:29	281	15:48	60	21:56	288			2:30	43	8:46	242	14:50	39	21:00	258
		4:26	58	10:25	282	16:38	55	22:38	290			3:36	34	9:37	246	15:46	34	21:40	265
		5:15	51	11:10	282	17:27	50	23:21	291			4:26	27	10:15	249	16:36	29	22:14	270
		6:05	46	11:55	282	18:14	46	23:57	293			5:17	22	10:56	250	17:26	25	22:55	275
		6:48	42	12:35	282	19:00	42					6:01	18	11:36	251	18:16	22	23:50	278
0:52	293	7:32	42	13:23	282	19:42	40					6:46	18	12:26	249	18:56	21		
1:35	292	8:11	45	14:05	280	20:23	42			0:36	276	7:21	22	13:06	245	19:37	24		
2:22	290	8:52	53	14:41	278	21:06	48			1:26	269	8:01	30	13:56	237	20:17	30		
3:06	287	9:35	64	15:25	276	21:53	57			2:16	258	8:45	41	14:45	229	21:06	39		
3:51	283	10:27	76	16:07	275	22:41	68			3:00	246	9:36	53	15:24	223	21:44	49		
4:52	280	11:25	85	17:22	275	0:04	75			3:54	234	10:30	62	16:34	222	23:15	55		
6:02	279	12:44	87	18:43	277					5:04	229	11:56	64	17:55	228				
		1:20	73	7:28	278	13:58	77	19:58	282			0:25	50	6:34	232	13:05	56	19:10	238
		2:44	60	8:44	280	15:09	65	21:06	285			1:56	39	7:55	239	14:16	45	20:25	250
		3:47	48	9:46	281	16:04	56	21:56	288			2:59	27	8:50	244	15:16	36	20:55	257
		4:36	44	10:36	281	16:50	53	22:39	289			3:46	22	9:35	244	16:01	32	21:51	261
		5:20	46	11:13	281	17:31	54	23:16	289			4:31	22	10:04	242	16:46	31	22:20	262
		5:56	50	11:39	280	18:02	52	23:43	289			5:06	24	10:45	242	17:11	28	22:56	262
		6:27	52	12:10	281	18:30	48	0:25	289			5:35	25	11:05	242	17:36	25	23:31	261
		6:53	51	12:43	281	19:00	47					5:56	25	11:51	242	18:06	24		
0:55	287	7:23	54	13:13	280	19:30	49			0:00	256	6:26	28	12:26	238	18:35	27		
1:28	285	7:47	58	13:34	279	19:58	55			0:35	248	6:50	33	12:45	233	19:06	33		
3:45	277	10:17	79	16:10	275	22:53	82			2:56	218	9:25	60	15:15	218	22:05	64		
4:51	275	11:27	88	17:43	276	0:17	86			3:55	213	10:47	67	16:45	220	23:30	64		
6:31	275	13:05	85	19:16	278					5:40	215	12:16	63	18:35	231				
		1:54	74	7:56	277	14:21	68	20:29	284			1:01	50	7:15	227	13:26	48	19:40	245
		3:02	57	9:13	279	15:22	56	21:30	287			2:06	34	8:26	237	14:26	36	20:35	256
		4:00	46	10:06	281	16:21	47	22:20	290			3:06	23	9:16	244	15:25	27	21:25	264
		4:56	38	10:55	282	17:10	40	23:07	291			4:07	16	9:56	248	16:21	20	22:06	270
		5:45	34	11:38	282	18:00	34	23:48	292			4:57	11	10:36	251	17:16	14	22:45	274
		6:30	30	12:25	282	18:43	28	0:37	292			5:46	8	11:21	253	17:59	8	23:36	275

Referentievlak : LAT

maan

12-3 woe
13-3 don
14-3 vry
15-3 zat
16-3 zon
17-3 maa
18-3 din
19-3 woe
20-3 don
21-3 vry
22-3 zat
23-3 zon
24-3 maa
25-3 din
26-3 woe
27-3 don
28-3 vry
29-3 zat
30-3 zon
31-3 maa
1-4 din
2-4 woe
3-4 don
4-4 vry
5-4 zat
6-4 zon
7-4 maa
8-4 din
9-4 woe
10-4 don
11-4 vry
12-4 zat
13-4 zon
14-4 maa
15-4 din
16-4 woe
17-4 don
18-4 vry
19-4 zat
20-4 zon
21-4 maa
22-4 din

18:03 EK

13:01 VM

17:17 LK

13:24 NM

5:59 EK

7:24 VM

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

HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
		7:13	31	13:07	282	19:26	25		
1:20	291	7:53	36	13:47	281	20:06	28		
2:01	288	8:31	46	14:21	280	20:46	35		
2:48	285	9:12	57	14:59	278	21:34	46		
3:36	280	9:56	71	15:44	277	22:27	59		
4:30	277	10:56	83	16:58	276	23:28	69		
5:45	275	12:16	87	18:14	277	1:02	67		
		1:02	67	7:15	275	13:39	76	19:40	281
		2:24	54	8:27	277	14:44	61	20:48	285
		3:25	41	9:33	280	15:42	51	21:39	286
		4:16	38	10:20	280	16:27	48	22:16	287
		4:56	42	10:51	280	17:06	49	22:49	287
		5:29	47	11:12	280	17:39	48	23:23	287
		5:55	48	11:53	281	18:10	45	23:53	286
		6:26	46	12:12	282	18:41	43	0:24	285
		7:54	47	13:44	281	20:06	45		
1:56	283	8:19	50	14:15	280	20:32	49		
2:17	280	8:42	53	14:38	279	21:03	53		
2:53	278	9:12	56	15:07	278	21:39	57		
3:19	277	9:59	60	15:43	278	22:25	62		
4:12	275	10:47	69	16:42	276	23:27	71		
5:26	273	11:48	80	18:02	276	0:47	76		
		0:47	76	7:08	272	13:23	79	19:36	280
		2:17	64	8:40	275	14:41	67	21:01	284
		3:30	48	9:46	278	15:54	53	22:00	287
		4:32	37	10:36	280	16:54	43	22:55	289
		5:30	31	11:30	281	17:46	36	23:40	290
		6:21	29	12:16	282	18:39	28	0:28	290
		7:05	28	13:02	283	19:25	23		
1:17	290	7:49	29	13:45	283	20:08	20		
2:05	288	8:27	34	14:20	283	20:49	22		
2:43	285	9:07	42	15:02	282	21:29	30		
3:26	281	9:47	53	15:38	280	22:14	41		
4:14	277	10:29	65	16:26	279	23:04	53		
5:09	274	11:24	76	17:29	278	0:12	62		
6:29	273	12:37	83	18:46	278	1:34			
		1:34	63	7:53	272	14:00	76	20:05	281
		2:47	54	9:04	275	15:11	63	21:12	283
		3:49	44	9:59	277	16:12	54	22:06	284
		4:41	40	10:50	279	16:59	50	22:51	285
		5:20	43	11:16	279	17:36	50	23:30	284
		5:52	47	11:51	280	18:11	49	23:58	284

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

HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
		6:26	9	12:06	252	18:36	7		
0:15	272	7:06	14	12:45	249	19:16	10		
1:00	264	7:41	23	13:36	242	19:56	17		
1:45	251	8:21	35	14:16	234	20:46	28		
2:46	236	9:07	49	14:55	227	21:36	40		
3:34	224	10:05	61	16:04	224	22:35	49		
4:54	219	11:26	65	17:25	228				
		0:17	45	6:15	222	12:56	56	18:50	237
		1:36	33	7:34	231	13:56	42	20:05	247
		2:37	22	8:35	238	14:56	32	20:45	253
		3:26	18	9:20	240	15:35	28	21:15	254
		4:06	20	9:56	239	16:17	27	21:44	254
		4:36	22	10:15	241	16:46	25	22:25	255
		5:00	22	10:55	244	17:15	22	22:55	254
		5:31	21	11:20	246	17:46	21	23:30	250
		6:57	23	12:56	243	19:06	23		
1:06	242	7:26	27	13:21	239	19:37	27		
1:30	234	7:40	30	13:45	234	20:05	31		
2:06	226	8:16	35	14:15	230	20:46	37		
2:46	219	9:06	42	15:05	226	21:31	44		
3:35	212	9:56	52	15:54	222	22:36	53		
4:35	207	11:06	61	17:04	223				
		0:01	54	6:20	210	12:36	60	18:35	231
		1:26	42	7:56	222	13:45	47	20:05	244
		2:35	26	8:56	234	14:56	33	21:05	255
		3:36	16	9:35	242	16:06	24	22:01	263
		4:36	11	10:36	247	16:56	16	22:35	267
		5:36	8	11:15	251	17:51	9	23:25	270
		6:16	7	11:56	254	18:39	3		
0:16	269	7:01	8	12:41	255	19:22	1		
1:06	264	7:36	13	13:20	253	20:01	3		
1:46	255	8:16	21	14:06	248	20:35	10		
2:35	242	8:57	32	14:55	241	21:26	21		
3:15	228	9:36	44	15:34	234	22:17	33		
4:14	217	10:30	56	16:34	230	23:20	42		
5:46	213	11:45	63	17:55	231				
		0:40	41	7:06	216	13:05	57	19:05	235
		1:56	32	8:04	224	14:20	44	20:14	242
		2:56	24	9:10	232	15:26	35	21:05	246
		3:46	21	9:56	235	16:05	30	21:55	247
		4:26	22	10:26	238	16:46	29	22:35	247
		4:56	23	10:55	242	17:16	27	23:00	248

Referentievlak : LAT

maan

Holwerd 53.39572° N, 5.88200° O										Wierumergronden 53.5167° N, 5.9667° O									
LAT=NAP-160										LAT=NAP-153									
HW		cm		lw		cm		HW		cm		lw		cm		HW		cm	
23-4	woe			6:24	46	12:16	282	18:40	47	0:34	284			5:26	22	11:20	247	17:46	24
24-4	don			6:56	44	12:48	283	19:14	44					5:56	21	11:55	249	18:16	22
25-4	vry	1:08	283	7:22	43	13:23	283	19:44	45	0:15	243			6:20	21	12:25	248	18:45	23
26-4	zat	1:37	281	7:54	46	13:49	282	20:13	48	0:46	237			6:56	24	12:44	244	19:16	26
27-4	zon	2:08	279	8:16	49	14:19	280	20:44	51	1:10	230			7:15	27	13:14	240	19:47	29
28-4	maa	2:38	276	8:56	51	14:49	279	21:20	54	1:56	222			7:57	31	13:54	236	20:15	32
29-4	din	3:16	274	9:36	56	15:35	279	22:05	58	2:36	215			8:36	37	14:50	233	21:05	38
30-4	woe	5:29	LK	4:01	272	10:29	64	16:30	278	3:25	209			9:37	47	15:56	230	22:16	44
1-5	don			5:06	271	11:32	72	17:39	278	4:24	206			10:46	55	16:55	231	23:36	45
2-5	vry			6:44	272	12:54	74	19:09	279	5:54	210			12:06	55	18:10	236		
5-5	zat					4:00	36	10:11	279					3:00	15	9:05	240	15:14	24
6-5	zon	21:29	NM			5:01	33	11:05	281					4:07	13	10:00	247	16:31	17
7-5	maa					5:53	32	11:52	282					5:01	12	10:46	252	17:26	11
8-5	din					6:41	33	12:35	284					5:51	12	11:30	256	18:19	5
9-5	woe																		
10-5	don			0:59	287	7:26	35	13:16	284					6:36	14	12:16	258	19:01	2
11-5	vry			1:47	285	8:06	37	14:03	284					7:16	16	13:06	257	19:46	4
12-5	zat			2:28	282	8:44	42	14:39	284					1:25	246	7:51	21	13:46	254
13-5	zon	19:02	EK			9:25	50	15:23	283					2:15	235	8:36	29	14:36	248
14-5	maa			3:11	279	10:05	58	16:07	281					3:05	224	9:10	38	15:14	242
15-5	din			3:54	276	10:55	68	17:03	280					3:55	215	10:05	49	16:05	237
16-5	woe			4:51	273	11:57	77	18:11	279					5:10	212	11:06	58	17:20	235
17-5	don			5:54	272	13:12	79	19:20	279					6:10	213	12:25	60	18:15	234
18-5	vry					1:57	61	8:14	273							1:05	39	7:20	218
19-5	zat					3:00	55	9:07	275					2:06	33	8:14	225	13:36	53
20-5	zon					3:53	50	10:01	278					2:55	29	9:05	232	14:36	45
21-5	maa	23:14	VM			4:37	49	10:35	279					3:40	27	9:34	238	15:20	39
22-5	din					5:15	48	11:20	281					4:15	26	10:25	244	16:06	36
23-5	woe					5:52	47	11:54	283					4:45	25	10:55	249	16:45	32
24-5	don					6:28	45	12:30	284					5:31	23	11:25	252	17:15	29
25-5	vry					6:59	44	12:57	284					5:56	23	11:54	252	17:56	27
26-5	zat																	18:15	27
27-5	zon			1:21	280	7:30	46	13:31	284					6:19	24	12:30	252	18:44	28
28-5	maa			1:51	278	8:06	48	14:05	283					7:06	27	13:10	250	19:25	29
29-5	din	14:12	LK			8:37	51	14:48	282					1:46	224	7:36	30	13:55	247
30-5	woe			2:31	276	9:20	54	15:33	281					2:25	218	8:20	35	14:46	244
31-5	don			3:15	274	10:06	60	16:22	280					3:14	213	9:04	43	15:35	242
1-6	vry			3:56	272	11:14	66	17:17	280					4:20	211	10:27	49	16:24	241
2-6	zat			4:59	271	12:26	68	18:32	281					5:30	213	11:36	50	17:34	243
3-6	zon			6:16	272	1:15	56	7:31	273							12:45	44	18:44	247
4-6	maa					1:15	56	7:31	273					0:15	35	6:40	220	13:56	35
						2:27	48	8:36	276					1:36	27	7:35	229	15:06	28
						3:30	43	9:40	279					2:30	21	8:46	239	21:06	257
						4:31	41	10:37	281					3:31	20	9:36	247	21:56	259

Referentievlak : LAT

Holwerd 53.39572° N, 5.88200° O										Wierumergronden 53.5167° N, 5.9667° O									
LAT=NAP-160										LAT=NAP-153									
HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
0:44	285	5:27	41	11:30	283	17:56	37	23:55	286	0:26	248	4:25	21	10:26	254	17:06	17	22:51	258
	6:20	41	12:12	285	18:50	33	5:32	21	11:11		259	18:06	12	23:36	254				
	7:03	42	13:00	286	19:35	30	6:10	21	12:01		262	18:47	9						
	7:46	42	13:40	286	20:17	30	6:56	22	12:47		262	19:29	8						
	8:26	44	14:19	286	20:55	34	7:31	23	13:36		260	20:00	11						
	9:05	47	15:03	285	21:36	40	8:16	27	14:16		256	20:40	17						
	9:40	53	15:48	283	22:17	49	8:45	33	15:06		250	21:19	26						
	10:25	62	16:29	281	23:04	59	9:35	42	15:45		244	22:16	37						
	11:14	72	17:23	279	0:01	67	10:20	52	16:25		237	23:06	46						
	12:10	81	18:26	278	1:02	73	11:20	61	17:35		233								
1:30	283	1:02	73	7:11	272	13:18	84	19:29	279	0:45	235	0:16	51	6:14	215	12:24	65	18:35	231
	2:05	71	8:09	274	14:35	81	20:26	279	1:16		49	7:26	221	13:45	60	19:25	231		
	3:04	65	9:06	277	15:36	74	21:26	280	2:10		43	8:05	229	14:46	53	20:24	234		
	3:58	58	10:03	279	16:24	67	22:14	281	3:00		37	8:54	238	15:31	45	21:14	237		
	4:44	54	10:45	282	17:10	62	22:59	282	3:46		33	9:56	246	16:17	40	22:05	239		
	5:24	51	11:37	284	17:52	58	23:36	282	4:26		30	10:36	251	16:56	35	22:34	239		
	6:06	50	12:08	285	18:32	55	0:19	281	5:06		29	11:15	255	17:36	32	23:25	239		
	6:40	49	12:40	286	19:12	53	5:35	28	11:46		258	18:10	30	23:54	237				
	7:19	49	13:10	286	19:52	53	6:16	28	12:04		260	18:56	30						
	7:47	50	13:57	286	20:22	53	6:35	29	12:55		261	19:14	30						
2:25	278	7:47	50	13:57	286	20:22	53	0:16	245	6:35	29	12:55	261	19:14	30				
	8:29	51	14:42	286	21:01	54	7:15		31	13:46	260	19:54	31						
	9:12	53	15:29	285	21:54	56	8:10		34	14:35	258	20:56	33						
	9:58	57	16:17	284	22:46	58	9:00		39	15:27	254	21:51	36						
	10:55	61	16:58	283	23:47	61	10:00		44	16:04	250	22:56	40						
	12:02	66	18:02	282	0:45	67	11:16		48	17:04	247	23:45	41						
	13:10	67	19:21	282	0:26	284	12:16		47	18:20	247								
	1:56	60	8:06	276		14:25	62		20:19	284	1:00	38	7:16	229	13:36	42	19:24	249	
	2:59	56	9:10	279		15:35	56		21:38	285	1:59	34	8:04	239	14:36	35	20:46	252	
	4:07	53	10:14	282		16:39	49		22:36	286	3:06	32	9:16	249	15:40	29	21:35	254	
5:11	51	11:06	285	17:43		43	23:36	285	4:17	32	9:54	257	16:50	23	22:36	253			
6:03	50	11:58	287	18:36		40	0:26	284	5:11	30	10:56	263	17:49	18	23:20	250			
6:48	49	12:40	288	19:21		39	5:56	29	11:46	266	18:36	16							
7:31	48	13:25	288	20:02		39	6:42	27	12:26	267	19:11	15							
8:09	47	13:59	288	20:40		41	7:16	26	13:05	266	19:46	17							
8:43	48	14:45	287	21:13		46	7:55	27	13:56	262	20:16	22							
3:10	277	9:15	52	15:18	285	21:49	55	0:06	65	8:14	31	14:25	256	20:56	30				
	9:54	59	15:53	283	22:29	64	9:00		38	14:55	247	21:36	40						
	10:32	69	16:29	280	23:04	73	9:46		49	15:34	239	22:10	50						
	11:11	81	17:19	278	23:53	81	10:26		60	16:30	231	23:00	59						
	12:03	91	18:16	277	0:52	87	11:16		69	17:15	226								
	0:52	87	7:06	273	13:15	95	19:24		278	0:06	65	6:25	219	12:15	74	18:40	225		

Referentievlak : LAT

maan

16-7 maa
17-7 din
18-7 woe
19-7 don
20-7 vry 0:57 VM
21-7 zat
22-7 zon
23-7 maa
24-7 din
25-7 woe
26-7 don
27-7 vry 1:00 LK
28-7 zat
29-7 zon
30-7 maa
31-7 din
1-8 woe
2-8 don 22:45 NM
3-8 vry
4-8 zat
5-8 zon
6-8 maa
7-8 din
8-8 woe
9-8 don
10-8 vry 20:21 EK
11-8 zat
12-8 zon
13-8 maa
14-8 din
15-8 woe
16-8 don
17-8 vry
18-8 zat 11:27 VM
19-8 zon
20-8 maa
21-8 din
22-8 woe
23-8 don
24-8 vry
25-8 zat 5:41 LK
26-8 zon
27-8 maa
28-8 din

Holwerd 53.39572° N, 5.88200° O										Wierumergronden 53.5167° N, 5.9667° O									
LAT=NAP-160										LAT=NAP-153									
HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
		2:10	83	8:19	276	14:45	89	20:39	279			1:15	62	7:30	228	13:56	68	19:44	229
		3:16	74	9:19	279	15:49	79	21:41	281			2:26	53	8:24	238	14:57	57	20:50	235
		4:09	64	10:19	283	16:41	69	22:36	282			3:10	44	9:25	248	15:47	47	21:45	239
		4:57	58	11:06	285	17:28	63	23:23	282			4:01	38	10:16	255	16:35	40	22:36	241
		5:42	56	11:48	286	18:18	58	0:05	282			4:40	35	10:56	260	17:26	35	23:16	242
		6:25	54	12:19	287	19:02	55	0:46	282			5:26	33	11:20	264	18:12	31	23:56	243
		7:02	53	12:59	289	19:44	52					5:54	32	11:54	269	18:56	29		
	1:29 281	7:49	51	13:43	289	20:26	51			0:36 243		6:55	31	12:46	272	19:36	28		
	2:18 281	8:29	50	14:30	289	21:04	52			1:26 242		7:37	31	13:36	272	20:11	29		
	3:02 279	9:09	51	15:15	288	21:45	56			2:07 239		8:16	33	14:16	269	20:51	33		
	3:40 277	9:52	55	16:05	286	22:31	61			2:45 234		8:55	37	15:07	263	21:36	39		
	4:23 276	10:40	60	16:52	284	23:17	68			3:25 228		9:45	43	15:56	255	22:20	46		
	5:08 275	11:39	68	17:48	282	0:15	73			4:30 225		10:46	49	16:51	248	23:15	53		
	6:18 276	12:45	73	18:56	281					5:35 225		11:55	53	18:06	243				
		1:27	77	7:29	277	14:06	71	20:06	283			0:25	55	6:34	231	13:16	51	19:15	244
		2:46	73	8:42	280	15:17	64	21:23	284			1:46	51	7:44	242	14:20	43	20:25	248
		3:50	66	9:45	284	16:31	55	22:28	285			2:50	45	8:44	253	15:36	35	21:36	251
		4:55	59	10:54	287	17:30	47	23:27	285			4:01	40	9:56	262	16:41	27	22:15	251
		5:49	56	11:41	289	18:21	45	0:16	284			4:56	37	10:40	268	17:32	23	23:16	249
		6:33	55	12:25	289	19:04	47					5:46	35	11:26	270	18:12	23	23:50	247
	0:58 283	7:12	55	13:04	289	19:41	49					6:26	33	12:06	271	18:51	24		
	1:33 282	7:46	52	13:41	289	20:14	52			0:36 244		6:51	30	12:46	270	19:21	26		
	2:07 281	8:18	51	14:15	288	20:45	55			1:16 241		7:20	29	13:20	266	19:51	29		
	2:29 280	8:48	54	14:41	286	21:17	62			1:34 237		7:49	32	13:44	258	20:20	36		
	3:08 279	9:22	62	15:14	283	21:47	70			2:26 232		8:26	40	14:25	249	20:56	46		
	3:26 277	9:52	71	15:51	281	22:15	78			2:44 227		9:00	49	14:55	240	21:26	55		
	4:00 277	10:25	81	16:23	279	22:53	85			3:20 222		9:35	60	15:30	232	22:00	63		
	4:49 276	11:13	91	17:12	277	23:43	92			4:04 220		10:26	70	16:20	225	22:55	71		
	5:54 276	12:05	101	18:22	276	0:53	98			5:10 219		11:15	79	17:25	221				
		0:53	98	7:19	276	13:45	101	19:51	278			0:06	76	6:46	226	12:45	79	19:10	225
		2:25	91	8:36	280	15:07	89	21:04	280			1:25	70	7:44	238	14:16	67	20:14	233
		3:28	78	9:40	283	16:10	75	22:09	282			2:36	57	8:44	250	15:15	52	21:14	241
		4:27	68	10:41	286	17:03	65	23:03	283			3:30	47	9:45	260	16:05	42	22:16	246
		5:19	61	11:15	288	17:53	58	23:48	284			4:25	41	10:14	266	17:00	35	22:56	249
		6:10	58	12:05	290	18:44	54	0:39	284			5:15	37	11:05	272	17:51	30	23:36	251
		6:55	54	12:47	291	19:28	51					6:06	34	11:46	277	18:42	27		
	1:14 284	7:39	50	13:30	292	20:10	50			0:16 253		6:52	30	12:25	280	19:26	27		
	1:53 284	8:19	48	14:11	291	20:52	53			0:56 253		7:31	29	13:16	280	20:06	30		
	2:45 283	9:02	49	15:00	290	21:33	59			1:40 251		8:11	31	14:05	275	20:46	37		
	3:18 281	9:42	54	15:43	287	22:10	68			2:26 245		8:51	36	14:40	267	21:16	46		
	4:00 280	10:29	63	16:33	284	22:54	78			3:10 239		9:37	44	15:36	255	22:01	56		
	4:43 279	11:19	73	17:28	281	23:52	87			4:06 233		10:26	53	16:36	244	22:55	66		
	5:51 278	12:22	81	18:39	279	1:04	93			5:16 231		11:36	60	17:45	238				
		1:04	93	7:09	279	13:42	80	19:54	281			0:16	71	6:14	236	12:45	59	19:05	239

Referentievlak : LAT

Holwerd 53.39572° N, 5.88200° O										Wierumergronden 53.5167° N, 5.9667° O							
LAT=NAP-160										LAT=NAP-153							
maan		HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm
29-8	woe			2:24	87	8:23	282	15:09	69	21:16	283			1:30	65	7:25	246
30-8	don			3:37	75	9:36	286	16:18	57	22:20	285			2:47	55	8:45	259
31-8	vry			4:37	64	10:38	289	17:14	50	23:11	286			3:46	46	9:46	267
1-9	zat	11:03	NM	5:30	59	11:21	290	18:03	50	0:00	285			4:41	40	10:25	271
2-9	zon			6:15	60	12:04	290	18:44	56	0:29	284			5:26	39	11:06	272
3-9	maa			6:52	61	12:38	290	19:17	61					6:06	39	11:35	272
4-9	din											0:06	250	6:26	37	12:16	270
5-9	woe											0:36	250	6:45	36	12:45	266
12-9	don											5:30	229	11:55	83	18:20	221
13-9	vry									20:33	280			0:30	81	6:55	239
14-9	zat									21:39	283			2:06	69	8:26	253
15-9	zon									22:37	285			3:07	55	9:04	264
16-9	maa	21:05	VM							23:30	286			3:45	46	10:06	272
17-9	din									0:17	286			4:56	40	10:46	278
18-9	woe													5:45	35	11:26	282
19-9	don													6:36	31	12:06	284
20-9	vry											0:36	262	7:16	29	12:56	282
21-9	zat											1:16	260	7:56	31	13:45	275
22-9	zon											2:06	255	8:37	37	14:15	264
23-9	maa	11:56	LK									2:46	249	9:21	45	15:16	251
24-9	din											3:24	242	10:05	56	16:15	239
25-9	woe											4:34	239	11:16	64	17:24	233
26-9	don											6:00	243	12:36	63	18:55	236
27-9	vry									21:00	283			1:16	75	7:05	251
28-9	zat									22:06	285			2:15	62	8:36	262
29-9	zon									22:53	286			3:31	50	9:20	270
30-9	maa									23:37	286			4:22	45	10:05	271
1-10	din	2:11	NM							0:07	286			5:01	45	10:47	270
2-10	woe									0:31	286			5:37	46	11:16	269
3-10	don													6:01	44	11:45	268
4-10	vry											0:00	259	6:26	43	12:21	264
5-10	zat											0:24	257	6:56	45	12:51	256
6-10	zon											0:54	252	7:20	50	13:15	246
7-10	maa											1:36	247	7:51	56	13:27	237
8-10	din											1:56	243	8:27	62	14:16	230
9-10	woe	6:33	EK									2:27	239	9:05	69	15:16	223
10-10	don											3:35	236	10:05	77	16:05	218
11-10	vry											4:35	236	11:26	81	17:40	220
12-10	zat											6:10	243	12:50	72	19:05	231
13-10	zon									21:09	283			1:26	75	7:25	255
14-10	maa									22:07	285			2:25	59	8:46	267
15-10	din									23:03	287			3:19	48	9:30	276

Referentievlak : LAT

maan 6:23 VM

16-10 woe

17-10 don

18-10 vry

19-10 zat

20-10 zon

21-10 maa

22-10 din

23-10 woe

24-10 don

25-10 vry

26-10 zat

27-10 zon

28-10 maa

29-10 din

30-10 woe

31-10 don

1-11 vry

2-11 zat

3-11 zon

4-11 maa

5-11 din

6-11 woe

7-11 don

8-11 vry

9-11 zat

10-11 zon

11-11 maa

12-11 din

13-11 woe

14-11 don

15-11 vry

16-11 zat

17-11 zon

18-11 maa

19-11 din

20-11 woe

21-11 don

22-11 vry

23-11 zat

24-11 zon

25-11 maa

Holwerd 53.39572° N, 5.88200° O

LAT=NAP-160

HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
		5:18	63	11:13	293	17:50	57	23:49	288
		6:08	58	12:01	293	18:41	57	0:32	289
		6:59	53	12:49	293	19:26	58		
1:15	289	7:43	51	13:35	291	20:06	62		
1:51	289	8:27	52	14:22	289	20:45	69		
2:37	288	9:11	58	15:10	285	21:24	77		
3:16	287	9:52	67	15:54	282	22:06	87		
3:56	286	10:44	77	16:48	278	22:59	97		
5:01	285	11:40	86	18:00	277	0:05	102		
6:16	285	12:58	87	19:12	277	1:26	101		
		1:26	101	7:36	285	14:14	79	20:27	281
		2:39	90	8:53	287	15:27	69	21:31	284
		3:47	78	9:48	289	16:19	65	22:22	285
		4:39	74	10:33	289	17:06	67	22:57	286
		4:19	75	10:08	288	16:39	72	22:26	287
		4:59	77	10:44	288	17:10	75	23:03	288
		5:30	77	11:11	287	17:36	74	23:34	289
		5:57	75	11:43	287	18:06	73	23:54	289
		6:31	76	12:17	285	18:35	74	0:26	289
		6:54	79	12:48	282	19:06	77		
0:52	287	7:25	83	13:20	280	19:34	79		
1:30	286	7:55	86	13:45	278	20:12	81		
2:05	285	8:40	88	14:22	277	20:57	86		
2:52	285	9:39	93	15:21	275	21:57	94		
3:55	284	10:45	97	16:43	275	23:11	99		
5:16	285	12:05	91	18:25	277	0:30	79		
6:33	288	13:22	79	19:38	280				
		1:45	84	7:50	289	14:28	67	20:34	285
		2:46	73	8:54	291	15:24	61	21:33	287
		3:47	66	9:50	292	16:21	60	22:21	289
		4:47	61	10:40	292	17:16	62	23:05	290
		5:38	56	11:32	291	18:02	63	23:51	291
		6:28	54	12:17	289	18:44	65	0:37	291
		7:12	54	13:06	286	19:28	70		
1:13	291	7:56	58	13:52	283	20:07	75		
2:00	290	8:37	65	14:30	280	20:45	81		
2:45	288	9:24	73	15:20	278	21:31	88		
3:33	287	10:19	82	16:26	276	22:32	96		
4:39	286	11:20	88	17:31	276	23:42	100		
5:51	285	12:29	88	18:32	277	0:57	98		
		0:57	98	7:01	284	13:36	82	19:48	281

Wierumergronden

53.5167° N, 5.9667° O

LAT=NAP-153

HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
		4:27	42	10:16	281	16:56	34	22:46	264
		5:16	37	11:07	283	17:56	34	23:26	267
		6:12	32	11:46	283	18:40	35		
0:16	268	6:56	30	12:36	279	19:16	40		
0:45	267	7:42	31	13:21	271	19:50	46		
1:36	264	8:26	37	14:06	259	20:31	55		
2:26	258	9:06	45	15:00	246	21:16	66		
3:15	252	9:56	55	16:00	235	22:05	76		
4:25	248	10:50	63	17:15	230	23:15	83		
5:24	248	12:10	64	18:24	232				
		0:46	80	6:34	253	13:20	56	19:34	239
		1:45	69	8:06	260	14:36	48	20:35	247
		2:55	58	8:55	265	15:26	44	21:36	252
		3:46	53	9:35	266	16:16	45	22:05	254
		3:26	52	9:10	265	15:46	48	21:30	257
		4:05	52	9:46	264	16:17	49	22:06	261
		4:37	51	10:10	263	16:35	48	22:36	264
		5:01	49	10:45	259	17:06	48	22:54	263
		5:36	51	11:26	252	17:36	50	23:24	260
		5:45	54	11:56	244	18:06	53	23:54	256
		6:25	57	12:26	236	18:30	56		
0:35	252	6:56	60	13:06	229	19:16	61		
1:26	248	7:46	65	13:55	223	20:07	69		
2:04	245	8:46	71	14:45	219	21:06	77		
3:15	245	9:56	74	16:07	220	22:27	81		
4:15	248	11:10	68	17:40	229	23:40	74		
5:35	256	12:25	55	18:51	241				
		0:56	61	7:06	266	13:36	44	19:34	251
		1:44	50	8:01	274	14:26	38	20:36	260
		2:45	43	8:56	278	15:26	38	21:21	266
		3:57	39	9:46	279	16:26	39	22:06	270
		4:51	34	10:26	277	17:11	40	22:56	272
		5:42	31	11:05	271	17:56	43	23:36	272
		6:21	31	12:05	263	18:37	47		
0:15	270	7:06	35	12:56	252	19:15	52		
1:15	265	7:46	41	13:35	241	19:50	59		
2:01	260	8:30	49	14:34	232	20:45	68		
2:44	254	9:26	58	15:45	227	21:46	77		
3:55	251	10:25	64	16:35	226	22:56	81		
5:00	250	11:47	64	17:45	230				
		0:11	76	6:04	251	12:46	59	18:54	237

Referentievlak : LAT

maan

26-11 din
27-11 woe
28-11 don
29-11 vry 13:18 NM
30-11 zat
1-12 zon
2-12 maa
3-12 din
4-12 woe
5-12 don
6-12 vry
7-12 zat 10:03 EK
8-12 zon
9-12 maa
10-12 din
11-12 woe
12-12 don
13-12 vry
14-12 zat 1:06 VM
15-12 zon
16-12 maa
17-12 din
18-12 woe
19-12 don
20-12 vry
21-12 zat 2:56 LK
22-12 zon
23-12 maa
24-12 din
25-12 woe
26-12 don
27-12 vry
28-12 zat
29-12 zon 7:53 NM
30-12 maa
31-12 din

Holwerd 53.39572° N, 5.88200° O										Wierumergronden 53.5167° N, 5.9667° O									
LAT=NAP-160										LAT=NAP-153									
HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
		2:05	91	8:01	285	14:34	77	20:34	283			1:17	69	7:05	253	13:40	54	19:44	244
		2:57	85	8:47	286	15:22	75	21:23	285			2:00	62	7:54	255	14:26	52	20:24	250
		3:49	83	9:36	286	16:04	76	21:49	287			2:56	59	8:40	256	15:06	51	20:54	256
		4:25	82	10:13	286	16:35	75	22:29	289			3:25	56	9:15	256	15:35	50	21:24	261
		4:58	80	10:52	285	17:11	73	23:08	290			4:06	54	9:56	255	16:17	49	22:15	265
		5:36	78	11:21	285	17:44	71	23:44	291			4:36	52	10:25	253	16:46	48	22:46	266
		6:05	78	11:49	284	18:12	71	0:14	290			5:05	52	10:55	249	17:05	48	23:16	265
		6:37	79	12:21	282	18:42	72	0:40	290			5:25	53	11:30	243	17:35	49	23:34	263
		7:08	81	12:54	280	19:12	74					5:53	54	11:55	237	18:05	51		
	1:20	289	7:46	81	13:36	278	19:55	75		0:14	260	6:46	55	12:44	231	18:55	54		
	1:59	288	8:29	83	14:19	277	20:41	78		1:16	257	7:26	57	13:45	226	19:46	60		
	2:44	287	9:17	85	15:10	275	21:39	84		2:06	254	8:15	61	14:46	222	20:46	67		
	3:34	286	10:18	88	16:09	275	22:42	89		2:44	252	9:26	64	15:34	221	21:50	71		
	4:42	286	11:35	87	17:33	276	23:56	89		3:44	252	10:41	63	16:55	225	23:06	69		
	5:56	287	12:43	80	18:57	278	1:08	84		4:55	254	11:50	56	18:05	234				
			1:08	84	7:18	287	13:51	71	20:00	283		0:26	61	6:20	259	12:56	48	19:16	245
			2:15	74	8:17	289	14:51	66	21:00	286		1:14	51	7:25	266	13:44	43	19:54	255
			3:19	67	9:23	290	15:52	64	21:57	289		2:15	44	8:25	270	14:50	41	20:56	264
			4:28	61	10:24	289	16:51	64	22:41	290		3:37	39	9:26	270	15:56	42	21:40	270
			5:23	57	11:13	288	17:41	64	23:33	292		4:36	34	10:10	268	16:51	41	22:36	273
			6:13	54	12:05	286	18:27	64	0:20	292		5:26	30	11:00	263	17:35	41	23:26	274
			6:55	52	12:52	284	19:09	64				6:06	28	11:50	256	18:19	41		
	0:56	292	7:39	55	13:33	282	19:48	65		0:06	273	6:52	29	12:41	248	18:56	43		
	1:43	291	8:19	59	14:18	280	20:28	69		0:50	270	7:26	34	13:35	239	19:35	47		
	2:19	290	9:00	67	14:49	277	21:09	75		1:35	264	8:05	41	14:04	231	20:16	54		
	3:11	288	9:45	76	15:36	276	21:56	84		2:25	257	8:44	51	15:05	225	21:07	64		
	3:56	285	10:33	86	16:33	275	22:49	94		3:04	249	9:40	61	16:06	221	21:55	74		
	4:49	283	11:34	94	17:32	275	23:48	102		3:55	242	10:40	69	16:45	221	22:54	81		
	6:05	282	12:38	96	18:38	276	1:05	103		5:16	238	11:56	71	17:50	226				
			1:05	103	7:01	280	13:45	89	19:45	280		0:15	79	6:10	237	12:55	66	18:45	233
			2:16	96	8:04	281	14:33	83	20:39	283		1:27	72	7:05	240	13:34	60	19:44	243
			3:10	89	9:01	282	15:26	77	21:33	286		2:16	64	8:04	244	14:36	54	20:35	252
			3:57	83	9:44	283	16:09	73	22:04	288		3:06	58	8:44	246	15:17	50	21:04	258
			4:39	79	10:19	283	16:45	70	22:50	289		3:46	53	9:24	247	15:45	47	21:56	262
			5:18	76	11:03	283	17:24	68	23:19	290		4:27	50	10:16	247	16:26	45	22:26	265
			5:55	73	11:30	283	17:57	66	23:42	291		5:01	47	10:34	246	16:50	43	22:35	267