

Getijdengegevens 2019

bron: getij.rws.nl

bron: gezeiten-kalender.de /bsh.de

Referentievlak :LAT

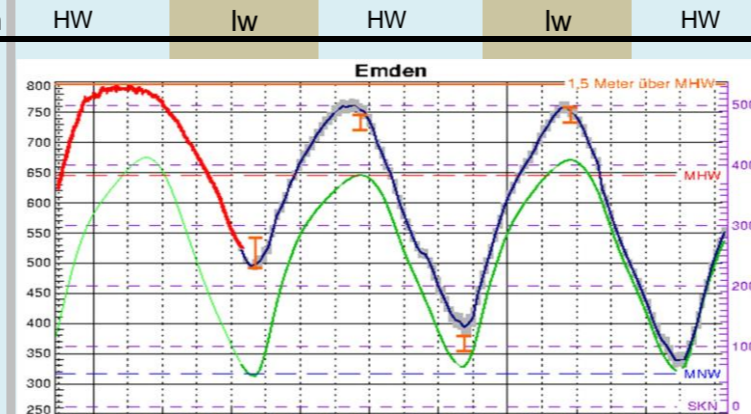
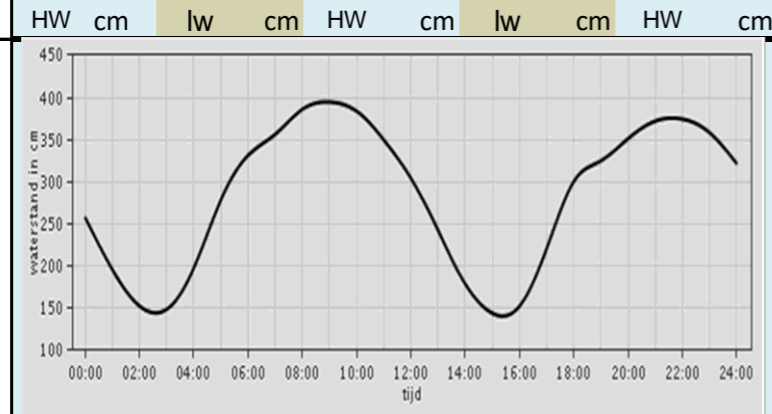
datum dag maan stand

Nieuwe Statenzijl
LAT=NAP-260

53.23292° N, 7.20817° O

Emden, Neue Seeschleuse
LAT=NAP-230

53.3369° N, 7.1864° O



datum dag maan stand

		Nieuwe Statenzijl				Emden, Neue Seeschleuse									
datum	dag	maan	stand	HW	lw	HW	lw	HW	lw	HW	lw				
1-1	din				1:56	145	8:15	401	14:45	136	21:09	372			
2-1	woe				3:15	146	9:29	395	15:50	136	22:28	378			
3-1	don				4:25	142	10:56	395	16:56	136	23:34	389			
4-1	vry				5:31	138	11:50	397	18:06	136	0:20	398			
5-1	zat				0:20	398	6:36	135	12:30	396	18:56	138	0:54	404	
6-1	zon		2:28 NM		0:54	404	7:26	138	13:10	392	19:42	146	1:26	409	
7-1	maa				1:26	409	8:06	145	13:44	389	20:16	152			
8-1	din				1:54	414	8:43	152	14:14	386	20:50	156			
9-1	woe				2:26	416	9:16	156	14:41	384	21:16	157			
10-1	don				3:00	416	9:43	157	15:10	382	21:36	155			
11-1	vry				3:35	413	10:12	159	15:46	379	22:05	152			
12-1	zat				4:12	408	10:37	159	16:23	375	22:35	147			
13-1	zon				4:45	404	11:11	154	17:05	371	23:16	141			
14-1	maa		7:45 EK		5:16	400	11:49	147	17:35	368	0:02	136			
15-1	din					0:02	136	6:00	397	12:36	143	18:15	367		
16-1	woe					0:55	137	6:50	394	13:31	142	19:14	366		
17-1	don					1:56	142	7:49	390	14:36	144	21:14	371		
18-1	vry					3:05	144	9:51	394	15:50	141	22:26	387		
19-1	zat					4:16	140	10:56	404	16:56	139	23:25	402		
20-1	zon					5:25	139	11:56	411	18:16	143	0:26	413		
21-1	maa		6:16 VM		0:26	413	7:06	134	12:55	412	19:33	138			
22-1	din				1:16	419	8:04	121	13:45	409	20:24	129			
23-1	woe				2:01	423	8:53	107	14:30	404	21:08	119			
24-1	don				2:44	426	9:36	96	15:10	400	21:51	110			
25-1	vry				3:25	429	10:18	91	15:56	396	22:31	105			
26-1	zat				4:10	431	10:59	93	16:40	393	23:10	106			
27-1	zon		22:10 LK		4:55	427	11:37	101	17:25	387	23:48	111			
28-1	maa				5:46	417	12:16	113	18:15	380	0:26	121			
29-1	din					0:26	121	6:45	403	12:56	129	19:10	373		
30-1	woe					1:12	136	7:35	389	13:46	144	20:05	368		
31-1	don					2:14	151	8:40	378	15:06	153	20:54	368		
1-2	vry					3:45	151	10:30	377	16:20	148	23:06	381		
2-2	zat					4:56	144	11:26	385	17:31	141	23:55	396		
3-2	zon					6:15	136	12:18	390	18:29	136	0:33	405		
4-2	maa		22:04 NM		0:33	405	7:03	132	12:55	389	19:20	137			
5-2	din				1:00	411	7:46	134	13:26	387	19:58	140			
6-2	woe				1:33	416	8:24	138	13:51	388	20:35	141			
7-2	don				2:06	420	8:58	138	14:25	391	21:05	138			
8-2	vry				2:43	423	9:30	136	14:56	393	21:32	135			
9-2	zat				3:11	423	10:00	136	15:26	392	21:57	134			
10-2	zon				3:45	419	10:28	139	15:56	388	22:26	131			

Referentievlak :LAT				Nieuwe Statenzijl LAT=NAP-260								Emden, Neue Seeschleuse LAT=NAP-230											
datum	dag	maan	stand	53.23292° N, 7.20817° O		53.3369° N, 7.1864° O																	
				HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm						
11-2	maa	23:26	EK	4:16	413	10:52	138	16:35	383	22:56	125			03:52	399	10:16	62	16:11	367	22:23	66		
12-2	din			4:55	407	11:26	133	17:05	380	23:36	119			04:27	391	10:51	67	16:44	363	23:02	67		
13-2	woe			5:35	401	12:02	128	17:46	377	0:25	119			05:06	385	11:32	73	17:23	363	23:49	73		
14-2	don					0:25	119	6:16	394	12:53	130	18:35	375	05:54	379	12:22	83	18:15	362				
15-2	vry					1:21	126	7:15	386	13:56	139	19:55	374			00:47	83	06:59	373	13:26	92	19:36	361
16-2	zat					2:30	135	8:58	384	15:10	143	21:39	385			02:00	89	08:33	372	14:49	89	21:15	368
17-2	zon					3:50	134	10:36	396	16:30	139	23:05	404			03:28	76	09:55	378	16:07	69	22:35	381
18-2	maa					5:05	130	11:36	408	18:02	136	0:01	420			04:46	53	11:12	386	17:17	49	23:39	394
19-2	din	16:53	VM	0:01	420	6:54	116	12:32	414	19:14	122	0:51	429			06:00	28	12:16	391	18:23	32	00:33	402
20-2	woe			0:51	429	7:47	96	13:20	413	20:06	106			00:33	402	07:00	6	13:15	391	19:18	19		
21-2	don			1:39	434	8:35	81	14:10	410	20:51	94			01:22	406	07:51	0	14:07	388	20:07	9		
22-2	vry			2:20	436	9:17	72	14:50	407	21:33	84			02:09	409	08:37	-10	14:53	385	20:52	5		
23-2	zat			3:06	437	9:58	71	15:32	405	22:11	80			02:52	411	09:20	0	15:30	381	21:34	6		
24-2	zon			3:48	435	10:36	78	16:15	401	22:47	84			03:34	409	10:01	6	16:04	376	22:14	14		
25-2	maa			4:30	426	11:11	92	17:00	395	23:19	94			04:15	400	10:39	23	16:39	370	22:53	27		
26-2	din	12:28	LK	5:18	412	11:41	108	17:45	386	23:52	107			04:58	384	11:16	41	17:18	361	23:33	41		
27-2	woe			6:06	394	12:15	124	18:31	378	0:30	124			05:44	366	11:56	58	18:04	352				
28-2	don					0:30	124	7:02	377	12:49	141	19:26	372			00:20	56	06:39	349	12:46	76	18:59	345
1-3	vry					1:25	145	7:55	366	13:55	160	20:25	372			01:21	70	07:50	340	13:53	89	20:19	345
2-3	zat					3:01	156	9:28	362	15:46	157	21:30	377			02:36	77	09:17	344	15:16	90	21:46	360
3-3	zon					4:26	144	11:01	376	16:56	141	23:20	397			04:05	69	10:32	359	16:34	75	22:53	383
4-3	maa					5:38	129	11:55	387	17:59	128	0:05	409			05:11	53	11:35	374	17:30	61	23:45	398
5-3	din			0:05	409	6:36	120	12:35	391	18:52	123	0:36	415			06:00	48	12:21	379	18:14	57	00:23	404
6-3	woe	17:04	NM	0:36	415	7:19	118	12:58	392	19:32	122			00:23	404	06:40	50	12:51	378	18:52	56	00:50	405
7-3	don			1:14	420	7:56	117	13:31	397	20:09	120			00:50	405	07:16	50	13:11	379	19:25	51		
8-3	vry			1:42	426	8:32	114	14:05	402	20:44	115			01:18	407	07:48	44	13:39	385	19:58	43		
9-3	zat			2:16	429	9:06	110	14:38	406	21:16	110			01:49	410	08:20	35	14:13	390	20:29	37		
10-3	zon			2:51	429	9:38	111	15:06	404	21:44	110			02:23	410	08:50	32	14:47	389	20:59	37		
11-3	maa			3:25	424	10:08	117	15:33	400	22:12	111			02:57	406	09:20	38	15:19	384	21:29	43		
12-3	din			3:55	417	10:35	122	16:01	396	22:39	109			03:31	398	09:50	49	15:48	378	22:01	49		
13-3	woe			4:30	409	10:57	120	16:41	392	23:12	105			04:05	390	10:22	59	16:20	375	22:37	54		
14-3	don	11:27	EK	5:15	399	11:31	116	17:26	387	23:56	105			04:43	382	11:01	67	16:58	374	23:22	60		
15-3	vry			6:05	389	12:25	121	18:21	383	0:52	113			05:28	375	11:49	77	17:49	370				
16-3	zat					0:52	113	7:05	379	13:26	133	19:35	381			00:18	70	06:35	366	12:51	90	19:05	365
17-3	zon					2:02	124	8:45	379	14:45	141	21:07	391			01:31	79	08:10	364	14:19	93	20:45	369
18-3	maa					3:35	123	10:16	393	16:10	133	22:41	411			03:08	68	09:39	372	15:47	72	22:12	383
19-3	din					5:06	112	11:16	407	17:46	121	23:35	427			04:31	43	10:57	384	17:01	50	23:17	398
20-3	woe					6:33	92	12:15	414	18:54	103	0:26	435			05:46	19	12:00	392	18:08	32	00:11	407
21-3	don	2:43	VM	0:26	435	7:26	74	12:56	415	19:44	86			00:11	407	06:44	1	12:56	393	19:02	18		
22-3	vry			1:11	439	8:13	64	13:45	414	20:29	76			01:00	410	07:32	0	13:45	391	19:49	8		
23-3	zat			1:56	440	8:56	62	14:26	414	21:10	69			01:45	411	08:16	0	14:25	389	20:31	3		
24-3	zon			2:40	438	9:35	65	15:06	413	21:48	69			02:27	409	08:56	0	14:57	387	21:11	3		
25-3	maa			3:24	431	10:09	76	15:46	410	22:22	75			03:07	402	09:32	11	15:27	384	21:47	9		
26-3	din			4:05	419	10:40	91	16:26	403	22:49	86			03:45	389	10:05	27	16:00	380	22:21	22		
27-3	woe			4:46	402	11:05	104	17:06	395	23:16	98			04:24	372	10:35	45	16:37	373	22:56	39		
28-3	don	5:10	LK	5:31	384	11:30	115	17:45	386	23:55	113			05:05	356	11:08	64	17:18	366	23:36	59		
29-3	vry			6:15	368	12:06	129	18:53	379	0:37	132			05:53	344	11:51	88	18:10	360				
30-3	zat					0:37	132	7:25	358	13:00	149	19:56	378			00:31	81	06:57	338	12:55	112	19:18	359
31-3	zon					1:44	152	9:24	357	16:06	163	22:03	384			01:48	98	09:26	342	15:26	121	21:57	370
1-4	maa					4:45	140	11:15	367	17:21	139	23:35	397			04:21	90	10:58	360	16:55	104	23:17	392
2-4	din					5:55	121	12:21	384	18:16	120	0:31	412			05:35	70	12:02	376	17:55	80	00:11	406
3-4	woe			0:31	412	6:51	108	12:55	394	19:15	112			00:11	406	06:27	50	12:48	381	18:42	64	00:49	408
4-4	don			1:05	420	7:43	102	13:28	400	19:58	107			00:49	408	07:08	40	13:19	380	19:21	53		
5-4	vry	10:50	NM	1:41	425	8:24	99	14:06	406	20:40	104			01:19	404	07:45	40	13:43	381	19:57	43		
6-4	zat			2:20	429	9:02	95	14:45	412	21:17	98			01:50	403	08:19	30	14:15	387	20:32	33		

Referentievlak :LAT				Nieuwe Statenzijl LAT=NAP-260								Emden, Neue Seeschleuse LAT=NAP-230												
				53.23292° N, 7.20817° O								53.3369° N, 7.1864° O												
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm					
1-6	zat					6:06	93	12:20	401	18:26	106	0:36	418			05:40	50	11:49	388	18:03	61	00:03	401	
2-6	zon				0:36	418	7:01	90	13:10	411	19:21	102		00:03	401	06:26	40	12:37	395	18:49	48	00:51	401	
3-6	maa	12:02	NM		1:26	420	7:53	91	14:00	416	20:20	99		00:51	401	07:10	30	13:23	401	19:34	38			
4-6	din				2:15	418	8:46	94	14:45	417	21:08	95		01:39	401	07:53	30	14:07	404	20:18	32			
5-6	woe				3:00	413	9:30	97	15:25	415	21:54	93		02:26	399	08:36	30	14:48	404	21:02	28			
6-6	don				3:36	405	10:12	101	15:56	414	22:37	92		03:10	394	09:17	30	15:26	404	21:45	28			
7-6	vry				4:16	398	10:52	106	16:25	416	23:20	92		03:53	385	09:58	40	16:03	406	22:28	29			
8-6	zat				5:00	393	11:32	109	17:16	418	0:03	92		04:36	377	10:38	40	16:46	408	23:13	32			
9-6	zon						0:03	92	5:50	388	12:13	109	18:08	420	05:26	369	11:22	50	17:37	408				
10-6	maa	7:59	EK				0:46	90	6:45	384	12:56	108	19:00	419		00:03	30	06:24	365	12:13	59	18:37	406	
11-6	din						1:36	88	7:45	380	13:50	109	20:06	416		01:04	40	07:28	363	13:19	67	19:43	403	
12-6	woe						2:35	88	8:45	379	14:52	109	21:16	413		02:13	40	08:39	365	14:35	68	20:55	401	
13-6	don						3:41	85	9:54	381	16:08	105	22:15	411		03:19	30	09:52	370	15:43	62	22:07	399	
14-6	vry						4:46	82	11:15	386	17:21	99	23:25	410		04:23	30	10:55	375	16:50	55	23:07	396	
15-6	zat						5:57	82	12:16	394	18:29	95	0:30	409		05:31	20	11:49	378	18:02	43	23:59	390	
16-6	zon				0:30	409	7:06	84	13:06	401	19:33	92				06:32	20	12:35	379	19:00	30	00:47	383	
17-6	maa	10:31	VM		1:20	407	7:58	87	13:50	409	20:24	91		00:47	383	07:22	20	13:16	383	19:48	22			
18-6	din				2:05	404	8:44	94	14:26	416	21:10	95		01:33	379	08:06	20	13:55	390	20:30	23			
19-6	woe				2:46	400	9:25	102	15:06	421	21:50	101		02:18	379	08:43	30	14:33	398	21:07	31			
20-6	don				3:24	394	10:00	110	15:46	423	22:23	107		03:01	380	09:16	50	15:13	405	21:40	45			
21-6	vry				4:05	386	10:26	114	16:16	421	22:55	113		03:40	381	09:47	60	15:51	410	22:13	60			
22-6	zat				4:35	378	10:40	115	16:56	415	23:15	117		04:18	380	10:18	70	16:27	412	22:46	73			
23-6	zon				5:10	371	11:15	117	17:30	409	23:46	120		04:55	377	10:51	90	17:03	413	23:22	83			
24-6	maa				5:45	365	11:46	119	18:16	401	0:26	123		05:34	372	11:27	90	17:42	412					
25-6	din	11:46	LK				0:26	123	6:24	360	12:29	119	18:50	395		00:00	80	06:20	367	12:06	104	18:26	407	
26-6	woe						1:06	122	7:14	357	13:16	121	19:35	389		00:44	90	07:15	362	12:52	107	19:24	399	
27-6	don						1:56	120	8:35	357	14:08	123	21:06	387		01:34	90	08:13	361	13:47	109	20:29	393	
28-6	vry						2:54	118	9:46	365	15:10	126	22:11	393		02:33	90	09:10	366	14:52	108	21:30	392	
29-6	zat						4:05	113	10:45	379	16:25	123	23:06	401		03:43	80	10:07	375	16:10	97	22:28	394	
30-6	zon						5:06	104	11:45	393	17:36	115	0:06	409		04:48	70	11:05	387	17:16	80	23:25	398	
1-7	maa				0:06	409	6:06	100	12:40	406	18:36	111				05:44	50	12:03	397	18:13	64	00:23	400	
2-7	din	21:16	NM		1:00	414	7:15	103	13:35	415	19:56	110		00:23	400	06:37	40	12:58	403	19:07	52			
3-7	woe				1:55	414	8:20	105	14:21	420	20:54	103		01:19	399	07:28	40	13:49	404	20:00	41			
4-7	don				2:45	410	9:16	104	15:06	421	21:44	94		02:14	394	08:18	40	14:35	403	20:50	31			
5-7	vry				3:30	404	10:01	102	15:45	423	22:30	85		03:05	387	09:06	30	15:17	403	21:39	23			
6-7	zat				4:10	399	10:44	97	16:26	426	23:14	78		03:52	379	09:53	30	15:57	407	22:27	19			
7-7	zon				4:56	395	11:26	94	17:08	431	23:56	74		04:37	374	10:38	30	16:41	412	23:14	20			
8-7	maa				5:39	393	12:07	92	17:55	432	0:38	75		05:25	371	11:24	40	17:31	415					
9-7	din	12:55	EK				0:38	75	6:30	390	12:49	93	18:46	428		00:03	20	06:17	369	12:13	49	18:27	412	
10-7	woe						1:23	79	7:26	385	13:33	97	19:46	420		00:55	30	07:15	366	13:09	58	19:28	404	
11-7	don						2:10	87	8:26	380	14:26	104	20:46	410		01:51	40	08:17	363	14:11	66	20:34	393	
12-7	vry						3:06	96	9:17	377	15:30	112	21:44	401		02:51	50	09:23	361	15:14	68	21:43	384	
13-7	zat						4:15	101	10:42	379	16:48	112	23:16	396		03:52	50	10:26	363	16:22	64	22:46	377	
14-7	zon						5:22	101	11:55	389	18:00	109	0:16	398		05:01	40	11:23	369	17:38	52	23:43	374	
15-7	maa				0:16	398	6:35	101	12:50	402	19:12	104				06:08	30	12:15	377	18:40	36	00:37	374	
16-7	din	23:38	VM		1:10	399	7:36	100	13:36	411	20:07	100		00:37	374	07:01	30	13:02	386	19:30	30			
17-7	woe				1:56	397	8:25	103	14:15	418	20:54	103		01:28	375	07:47	40	13:44	395	20:13	38			
18-7	don				2:32	394	9:06	110	14:46	423	21:34	109		02:12	378	08:26	50	14:22	403	20:51	52			
19-7	vry				3:10	390	9:43	116	15:25	426	22:10	114		02:49	380	09:00	60	14:56	410	21:25	66			
20-7	zat				3:40	387	10:16	117	15:58	427	22:41	116		03:21	383	09:31	70	15:31	415	21:56	74			
21-7	zon				4:16	384	10:42	118	16:35	424	23:09	119		03:55	385	10:02	80	16:05	418	22:28	78			
22-7	maa				4:46	381	11:07	120	17:10	418	23:39	123		04:31	383	10:33	90	16:39	417	23:01	81			
23-7	din				5:25	376	11:36	121	17:40	410	0:08	125		05:08	377	11:05	90	17:14	412	23:34	84			
24-7	woe						0:08	125	5:56	370	12:09	119	18:18	402	05:47	369	11:39	90	17:50	403				
25-7	don	3:18	LK				0:41	123	6:36	365	12:49	116	18:56	395		00:10	80	06:27	361	12:18	98	18:32	394	

Referentievlak :LAT				Nieuwe Statenzijl LAT=NAP-260								Emden, Neue Seeschleuse LAT=NAP-230											
				53.23292° N, 7.20817° O								53.3369° N, 7.1864° O											
datum	dag	maan	stand	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm				
13-11	woe			1:05	412	7:30	137	13:16	424	19:53	134			00:26	406	06:47	63	12:40	413	19:05	59		
14-11	don			1:46	413	8:10	137	13:56	419	20:32	138			01:05	414	07:24	58	13:22	416	19:41	60		
15-11	vry			2:21	411	8:48	138	14:26	412	21:06	146			01:45	418	08:02	60	14:04	414	20:16	68		
16-11	zat			1:49	411	9:25	143	14:23	406	21:36	153			02:21	415	08:38	68	14:42	406	20:50	82		
17-11	zon			2:29	413	9:55	147	15:14	399	22:01	157			02:54	411	09:13	78	15:19	394	21:23	92		
18-11	maa			3:15	411	10:27	149	16:15	390	22:30	156			03:29	408	09:50	82	15:59	384	22:01	96		
19-11	din	22:11	LK	4:34	406	11:06	148	17:16	382	23:16	156			04:13	407	10:32	82	16:50	376	22:46	98		
20-11	woe			5:36	403	12:06	148	18:20	376	0:21	159			05:07	406	11:25	82	17:58	371	23:43	105		
21-11	don					0:21	159	6:35	402	13:05	147	19:24	374	06:16	403	12:33	85	19:14	372				
22-11	vry					1:31	160	7:50	405	14:19	141	20:55	381			00:59	111	07:34	403	14:00	78	20:37	381
23-11	zat					2:46	154	9:05	412	15:40	129	22:06	390			02:29	101	08:53	408	15:13	63	21:52	394
24-11	zon					4:10	141	10:21	420	16:53	121	23:04	398			03:39	85	10:01	415	16:21	52	22:49	401
25-11	maa					5:22	133	11:16	423	18:05	117	23:56	403			04:47	71	10:56	416	17:25	44	23:36	402
26-11	din	16:06	NM			6:28	126	12:06	423	19:00	117	0:40	408			05:50	56	11:44	412	18:19	38	00:17	403
27-11	woe			0:40	408	7:23	122	12:55	420	19:46	121			00:17	403	06:43	41	12:29	408	19:06	36	00:55	406
28-11	don			1:24	413	8:08	122	13:41	416	20:29	129			00:55	406	07:28	30	13:16	404	19:47	40		
29-11	vry			2:05	416	8:51	126	14:26	408	21:08	139			01:34	410	08:10	28	14:02	398	20:24	51		
30-11	zat			2:46	417	9:28	134	15:10	397	21:39	148			02:14	411	08:47	38	14:46	390	20:57	69		
1-12	zon			3:26	414	10:00	143	15:52	383	21:55	153			02:53	409	09:22	57	15:26	380	21:26	89		
2-12	maa			4:02	408	10:16	151	16:25	371	22:16	154			03:31	405	09:56	79	16:03	372	21:57	108		
3-12	din			4:46	401	10:46	157	16:59	362	22:52	157			04:09	404	10:31	97	16:42	369	22:33	122		
4-12	woe	7:58	EK	5:15	394	11:30	163	17:38	356	23:35	163			04:51	405	11:13	109	17:33	368	23:19	132		
5-12	don			6:25	388	12:16	170	18:49	353	0:25	170			05:46	406	12:04	116	18:36	368				
6-12	vry					0:25	170	7:34	386	13:16	174	19:55	357			00:14	140	06:54	405	13:06	119	19:41	370
7-12	zat					1:24	177	8:32	389	14:24	171	20:55	366			01:26	140	08:01	403	14:21	112	20:42	375
8-12	zon					2:46	177	9:30	396	15:51	156	21:55	378			02:49	126	09:00	400	15:28	98	21:38	380
9-12	maa					4:16	162	10:25	403	16:45	145	22:55	390			03:53	105	09:53	398	16:22	84	22:27	388
10-12	din					5:06	152	11:15	410	17:36	141	23:45	401			04:45	86	10:40	397	17:08	73	23:12	397
11-12	woe					6:01	148	12:06	414	18:31	141	0:36	408			05:31	72	11:26	399	17:52	65	23:56	407
12-12	don	6:12	VM	0:36	408	6:56	147	12:56	414	19:22	144					06:15	62	12:14	403	18:34	59	00:41	413
13-12	vry			1:25	411	7:46	145	13:36	410	20:06	147			00:41	413	06:59	56	13:02	404	19:15	58		
14-12	zat			2:05	410	8:34	145	14:16	404	20:50	151			01:24	413	07:42	53	13:48	400	19:56	62		
15-12	zon			1:24	412	9:18	144	14:56	397	21:32	154			02:01	410	08:24	54	14:29	391	20:35	68		
16-12	maa			2:04	416	9:58	144	15:25	393	22:10	156			02:35	408	09:05	55	15:08	382	21:14	73		
17-12	din			3:04	415	10:41	143	16:16	388	22:46	154			03:13	408	09:46	55	15:50	375	21:54	74		
18-12	woe			4:31	416	11:22	142	17:06	383	23:32	152			04:00	409	10:31	55	16:42	369	22:40	76		
19-12	don	5:57	LK	5:25	414	12:08	139	18:04	377	0:21	150			04:55	408	11:23	58	17:45	365	23:35	82		
20-12	vry					0:21	150	6:25	410	12:57	137	19:08	372	05:59	402	12:26	64	18:54	363				
21-12	zat					1:15	150	7:25	405	14:00	137	20:15	372			00:45	91	07:10	395	13:38	65	20:10	363
22-12	zon					2:20	150	8:40	402	15:10	135	21:35	375			02:03	89	08:25	389	14:45	62	21:23	367
23-12	maa					3:36	146	9:55	402	16:16	133	22:41	383			03:11	81	09:34	386	15:51	58	22:20	372
24-12	din					4:50	140	11:02	403	17:32	132	23:46	392			04:21	69	10:32	383	16:59	50	23:08	377
25-12	woe					6:06	134	11:56	404	18:34	131	0:30	402			05:31	51	11:23	381	17:57	41	23:52	384
26-12	don	6:13	NM	0:30	402	7:05	129	12:42	404	19:26	133					06:26	34	12:11	381	18:46	38	00:33	393
27-12	vry			1:13	409	7:53	129	13:30	401	20:11	139			00:33	393	07:12	26	13:00	382	19:29	44		
28-12	zat			1:45	415	8:36	133	14:14	395	20:50	146			01:14	400	07:54	31	13:46	382	20:06	57		
29-12	zon			2:26	418	9:14	141	14:50	388	21:23	152			01:54	404	08:31	46	14:27	380	20:39	74		
30-12	maa			3:00	418	9:46	147	15:26	380	21:47	154			02:32	405	09:05	64	15:02	377	21:08	89		
31-12	din			3:36	414	10:15	153							03:08	405	09:36	79	15:36	375	21:38	99		