

# Getijdengegevens 2016

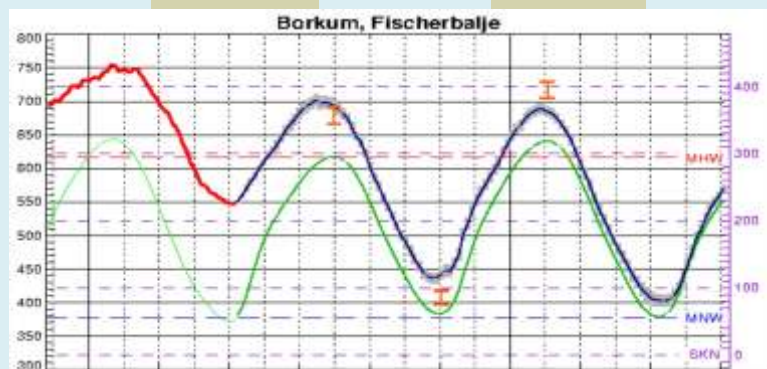
bron: getij.rws.nl

Referentievlak : LAT

maan

## Borkum Fischerbalje

HW cm lw cm HW cm lw cm HW cm



datum dag maan stand

1-1	vry		02:53	321	09:22	90	15:33	297	21:26	103	
2-1	zat	6:30 LK	03:36	318	10:05	93	16:25	295	22:16	107	
3-1	zon		04:33	311	10:58	98	17:23	292	23:15	113	
4-1	maa		05:37	302	11:58	103	18:22	292			
5-1	din				00:22	115	06:40	295	13:04	105	19:19 295
6-1	woe				01:32	111	07:39	294	14:07	100	20:14 304
7-1	don				02:36	101	08:34	298	15:02	90	21:07 316
8-1	vry				03:33	88	09:27	305	15:53	78	21:58 328
9-1	zat				04:26	74	10:20	312	16:42	67	22:47 336
10-1	zon	2:30 NM			05:15	62	11:12	315	17:29	60	23:34 338
11-1	maa				06:02	53	12:00	313	18:13	56	
12-1	din		00:15	335	06:45	48	12:44	307	18:54	54	
13-1	woe		00:52	332	07:27	44	13:23	301	19:33	52	
14-1	don		01:29	332	08:06	42	14:02	297	20:11	48	
15-1	vry		02:11	333	08:45	41	14:46	295	20:52	46	
16-1	zat		02:58	332	09:27	43	15:35	291	21:36	48	
17-1	zon	0:26 EK	03:48	325	10:12	51	16:29	284	22:26	57	
18-1	maa		04:44	312	11:06	63	17:30	276	23:27	69	
19-1	din		05:51	297	12:23	73	18:39	270			
20-1	woe				00:51	74	07:09	287	13:40	72	19:57 272
21-1	don				02:07	67	08:30	287	14:51	64	21:05 284
22-1	vry				03:28	55	09:35	295	16:04	53	22:00 298
23-1	zat				04:38	39	10:30	304	17:00	44	22:49 311
24-1	zon	2:46 VM			05:30	30	11:19	309	17:48	43	23:33 318
25-1	maa				06:14	33	12:04	310	18:29	51	
26-1	din		00:12	320	06:53	46	12:42	307	19:03	63	
27-1	woe		00:47	319	07:25	59	13:15	305	19:30	73	

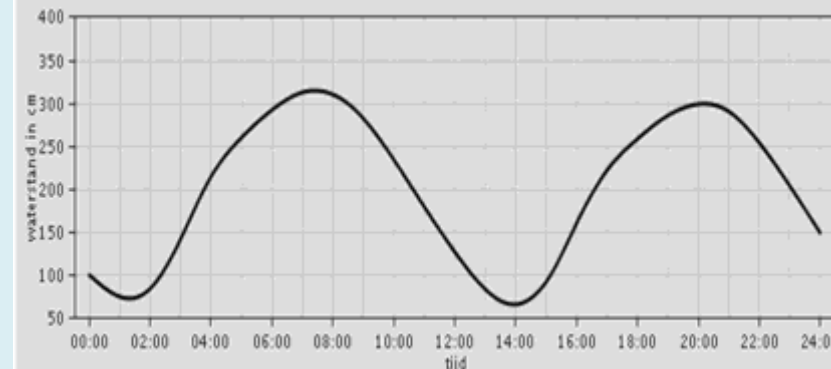
bron: getij.rws.nl

## Eemshaven

53.4500° N, 6.8333° O

LAT=NAP-192

HW cm lw cm HW cm lw cm HW cm



3:16	320	9:35	62	15:46	289	21:46	71		
3:44	311	10:15	71	16:14	284	22:22	80		
4:24	303	11:01	80	17:04	281	23:16	91		
5:14	296	11:43	88	18:15	282				
		0:05	99	6:25	293	13:00	89	19:14	288
		1:24	99	7:45	297	14:16	81	20:36	300
		2:45	86	8:55	305	15:12	68	21:30	314
		3:51	71	9:50	314	16:11	58	22:26	325
		4:40	59	10:45	319	17:06	52	23:11	333
		5:30	50	11:26	321	17:46	48	23:45	337
		6:21	43	12:17	320	18:36	45		
0:25	340	7:06	38	12:55	319	19:16	43		
1:05	343	7:52	35	13:36	316	20:02	42		
1:46	344	8:31	35	14:21	313	20:41	43		
2:36	342	9:12	38	15:06	307	21:26	47		
3:26	337	9:56	45	15:56	300	22:06	53		
4:05	329	10:46	54	16:46	293	22:56	61		
5:00	320	11:36	64	17:46	289	23:56	69		
6:05	312	12:41	70	18:55	290				
		1:16	72	7:26	309	13:50	70	20:00	298
		2:26	66	8:35	312	15:06	65	21:10	310
		3:46	55	9:45	317	16:16	57	22:04	321
		4:46	42	10:46	320	17:13	49	23:06	329
		5:40	34	11:36	319	17:56	47	23:46	333
		6:28	32	12:26	315	18:39	46		
0:26	334	7:06	33	12:55	311	19:12	45		
1:07	334	7:42	36	13:35	308	19:45	43		

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

Borkum Fischerbalje										Eemshaven LAT=NAP-192				53.4500° N, 6.8333° O							
HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm		
01:19	319	07:53	68	13:44	304	19:54	77			1:36	333	8:11	38	14:00	306	20:16	43				
01:49	321	08:19	70	14:16	305	20:22	76			2:16	328	8:38	42	14:36	301	20:46	47				
02:21	321	08:49	71	14:52	304	20:56	78			2:40	321	9:08	49	15:06	296	21:16	53				
02:58	317	09:23	76	15:35	299	21:35	84			3:16	312	9:36	57	15:30	292	21:46	60				
03:41	307	10:02	87	16:24	292	22:21	95			3:40	305	10:10	63	16:05	288	22:26	68				
04:33	296	10:49	100	17:19	288	23:16	106			4:20	298	10:44	71	16:55	285	23:16	78				
05:33	288	11:46	109	18:19	290					5:20	291	11:45	79	18:04	284						
		00:22	111	06:37	287	12:54	110	19:23	299			0:25	87	6:35	287	12:54	83	19:41	292		
		01:35	105	07:45	293	14:05	98	20:29	312			1:56	84	8:16	294	14:37	73	20:56	306		
		02:47	90	08:56	302	15:13	81	21:34	325			3:16	68	9:26	305	15:36	59	21:44	320		
		03:55	71	10:03	309	16:15	64	22:30	331			4:16	52	10:20	314	16:36	49	22:46	330		
		04:53	53	11:00	310	17:10	52	23:18	330			5:16	40	11:15	318	17:31	41	23:36	336		
		05:44	40	11:48	306	17:58	43					6:06	30	11:56	319	18:22	34				
00:00	328	06:30	30	12:30	302	18:41	35			0:10	341	6:53	22	12:46	319	19:06	28				
00:37	328	07:13	23	13:08	300	19:21	27			0:50	345	7:38	16	13:26	319	19:49	22				
01:16	332	07:53	19	13:46	301	20:01	20			1:30	347	8:19	15	14:06	317	20:33	21				
01:58	335	08:33	20	14:28	301	20:40	19			2:15	345	8:58	20	14:51	313	21:10	25				
02:44	332	09:12	28	15:15	296	21:22	26			2:54	338	9:41	31	15:30	306	21:52	33				
03:34	320	09:53	42	16:05	285	22:07	39			3:56	327	10:26	45	16:15	298	22:36	45				
04:29	301	10:39	60	17:01	273	23:04	56			4:46	314	11:11	59	17:10	292	23:30	57				
05:34	282	11:56	74	18:08	264					5:34	302	12:05	72	18:25	289						
		00:34	65	06:51	272	13:20	75	19:28	266			0:34	66	7:00	297	13:26	75	19:24	294		
		01:52	60	08:16	276	14:34	65	20:46	282			2:05	61	8:20	300	14:46	67	20:45	306		
		03:17	47	09:23	291	15:49	51	21:44	301			3:26	48	9:35	308	15:57	54	22:00	320		
		04:23	33	10:18	304	16:45	40	22:34	314			4:32	32	10:36	314	16:56	43	22:44	327		
		05:13	28	11:07	310	17:30	41	23:17	318			5:26	25	11:26	314	17:41	39	23:30	329		
		05:55	36	11:47	308	18:09	50	23:51	317			6:09	26	12:06	311	18:22	39				
		06:30	48	12:17	305	18:40	59			0:06	329	6:46	30	12:36	309	18:52	37				
00:20	316	06:59	55	12:42	307	19:05	60			0:36	330	7:16	31	13:06	310	19:26	34				
00:49	319	07:24	55	13:10	312	19:28	56			1:05	330	7:46	31	13:36	311	19:45	32				
01:21	322	07:50	52	13:44	316	19:58	54			1:45	326	8:11	33	14:00	309	20:19	34				
01:55	322	08:19	55	14:20	314	20:29	59			2:16	318	8:35	39	14:31	304	20:45	40				
04:42	291	10:49	106	17:16	299	23:32	104			4:46	288	11:06	65	17:04	288	23:41	70				
05:46	290	11:59	109	18:25	304					5:50	282	12:16	76	18:40	288						
		00:45	101	06:58	294	13:15	99	19:44	313			0:54	75	7:24	285	13:46	74	20:15	301		
		02:04	85	08:23	300	14:32	81	21:03	323			2:29	60	8:56	298	15:06	59	21:25	317		
		03:21	63	09:41	307	15:44	62	22:05	328			3:45	42	10:01	310	16:11	45	22:21	329		
		04:27	44	10:40	308	16:45	47	22:55	327			4:51	28	10:56	316	17:11	34	23:11	336		
		05:21	30	11:29	304	17:36	36	23:38	325			5:46	17	11:40	319	18:03	24	23:55	340		
		06:08	20	12:09	301	18:21	24					6:33	10	12:26	320	18:49	15				
00:16	328	06:52	13	12:46	303	19:04	12			0:36	343	7:18	5	13:11	321	19:33	8				

Referentievlak : LAT

Borkum Fischerbalje											Eemshaven LAT=NAP-192		53.4500° N, 6.8333° O									
maand		HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	
12-3	woe	00:57	334	07:34	9	13:24	308	19:45	4			1:15	344	7:58	5	13:56	320	20:13	5			
13-3	don	01:42	336	08:15	11	14:07	309	20:26	4			2:05	341	8:41	11	14:36	317	20:56	8			
14-3	vry	02:29	329	08:53	23	14:52	303	21:07	15			2:45	333	9:19	23	15:10	312	21:36	19			
15-3	zat	03:19	311	09:30	41	15:40	291	21:50	32			3:24	320	9:56	39	15:45	304	22:19	32			
16-3	zon	04:13	290	10:11	61	16:35	277	22:47	52			4:26	306	10:46	56	16:55	297	23:11	47			
17-3	maa	05:15	272	11:26	79	17:38	269					5:15	293	11:35	71	17:56	293					
18-3	din			00:16	62	06:30	265	12:55	82	18:58	272			0:15	58	6:46	287	13:01	76	19:15	295	
19-3	woe			01:31	59	07:57	274	14:09	72	20:23	290			1:46	55	8:05	291	14:26	67	20:36	305	
20-3	don			02:53	49	09:07	294	15:25	56	21:25	310			3:06	41	9:27	302	15:36	51	21:40	318	
21-3	vry			04:00	36	10:03	308	16:22	45	22:15	320			4:11	26	10:26	310	16:30	39	22:30	324	
22-3	zat			04:49	33	10:50	311	17:08	44	22:56	318			5:00	21	11:05	311	17:15	35	23:16	323	
23-3	zon			05:29	40	11:25	307	17:45	50	23:25	313			5:40	24	11:47	309	17:56	35	23:34	322	
24-3	maa			06:02	48	11:47	304	18:14	54	23:51	312			6:20	28	12:06	310	18:27	34			
25-3	din			06:30	48	12:10	310	18:38	49			0:17	323	6:46	29	12:35	314	18:59	29			
26-3	woe	00:21	317	06:55	42	12:42	320	19:05	42			0:46	324	7:16	27	13:05	317	19:26	27			
27-3	don	00:57	322	08:24	39	14:19	326	20:36	42			1:16	321	8:46	28	14:36	315	20:56	29			
28-3	vry	02:34	322	08:53	49	14:56	324	21:08	53			2:46	313	9:06	33	15:00	310	21:26	34			
29-3	zat	03:09	314	09:19	59	15:29	316	21:38	70			3:16	304	9:36	38	15:37	304	21:45	38			
30-3	zon	03:42	304	09:43	79	16:00	311	22:10	84			3:40	297	10:00	41	16:06	301	22:26	41			
31-3	maa	04:21	296	10:17	89	16:42	310	22:56	92			4:26	290	10:40	46	16:46	298	23:16	48			
1-4	din	05:13	293	11:12	99	17:38	311					5:15	283	11:36	57	17:34	293					
2-4	woe			00:00	89	06:15	293	12:24	101	18:45	314			0:16	58	6:25	277	12:40	69	18:54	292	
3-4	don			01:12	79	07:27	295	13:39	92	20:02	318			1:24	63	8:05	280	14:05	71	20:45	301	
4-4	vry			02:30	69	08:55	300	14:57	76	21:29	324			3:06	51	9:26	293	15:36	58	21:56	316	
5-4	zat			03:48	49	10:16	307	16:11	59	22:36	328			4:16	34	10:36	306	16:46	43	22:50	328	
6-4	zon			04:56	29	11:16	308	17:16	46	23:28	327			5:21	21	11:26	314	17:46	31	23:40	335	
7-4	maa			05:54	19	12:04	306	18:11	34					6:19	12	12:16	318	18:39	20			
8-4	din	00:12	327	06:44	9	12:44	305	18:59	21			0:31	338	7:09	7	13:06	320	19:30	10			
9-4	woe	00:54	330	07:30	9	13:22	310	19:45	9			1:16	338	7:53	4	13:46	322	20:16	2			
10-4	don	01:39	334	08:13	9	14:03	316	20:29	-1			1:54	337	8:38	5	14:30	323	20:56	-1			
11-4	vry	02:26	332	08:55	9	14:46	317	21:11	9			2:46	332	9:18	11	15:16	321	21:36	2			
12-4	zat	03:14	321	09:34	19	15:32	311	21:53	14			3:30	324	9:56	23	15:57	317	22:15	12			
13-4	zon	04:03	302	10:10	39	16:18	299	22:37	34			4:20	312	10:36	37	16:36	312	22:55	25			
14-4	maa	04:56	283	10:46	59	17:10	288	23:36	54			5:10	299	11:16	52	17:36	305	23:51	39			
15-4	din	05:55	270	11:52	79	18:11	283					6:05	288	12:10	66	18:36	300					
16-4	woe			00:52	59	07:03	268	13:23	88	19:24	287			0:56	50	7:21	283	13:26	74	19:40	300	
17-4	don			02:01	59	08:26	280	14:33	80	20:49	302			2:16	50	8:25	285	14:51	67	21:05	305	
18-4	vry			03:12	49	09:38	298	15:47	66	21:56	317			3:25	40	9:56	296	16:01	54	22:15	313	
19-4	zat			04:25	39	10:36	310	16:50	54	22:47	321			4:36	30	10:55	305	17:01	43	23:00	318	
20-4	zon			05:17	39	11:22	310	17:37	50	23:27	315			5:26	26	11:46	308	17:46	39	23:46	317	
21-4	maa			05:57	39	11:53	305	18:15	51	23:55	307			6:06	28	12:15	309	18:26	38			
22-4	din			06:29	39	12:13	305	18:45	50			0:16	316	6:46	30	12:35	312	19:01	35			

maan

maan		HW	cm	lw	cm	HW	cm	lw	cm	HW	cm		HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
23-4	woe	00:22	308	06:58	39	12:41	316	19:12	42				0:46	317	7:16	29	13:06	318	19:36	31		
24-4	don	00:56	315	07:28	29	13:18	328	19:43	37				1:20	318	7:45	26	13:46	321	20:06	28		
25-4	vry	01:36	322	08:00	29	13:59	334	20:17	41				1:55	315	8:16	27	14:16	320	20:36	29		
26-4	zat	02:17	321	08:32	49	14:38	332	20:51	55				2:26	308	8:40	31	14:46	315	21:00	33		
27-4	zon	02:55	312	08:59	69	15:10	324	21:22	71				2:55	299	9:11	36	15:16	310	21:35	37		
28-4	maa	03:28	301	09:25	79	15:41	320	21:55	81				3:30	292	9:35	40	15:46	307	22:06	39		
29-4	din	04:07	294	10:00	89	16:22	320	22:41	82				4:16	285	10:26	45	16:30	304	22:50	43		
30-4	woe	5:29 LK	04:56	292	10:54	89	17:16	322	23:40	77			5:05	279	11:10	53	17:30	301	23:56	50		
1-5	don		05:56	293	12:01	79	18:18	323					6:04	275	12:21	63	18:46	300				
2-5	vry			00:47	59	07:06	296	13:11	79	19:30	324				1:10	52	7:35	279	13:35	66	20:06	306
5-5	zat			04:24	29	10:48	307	16:44	46	22:59	327				4:46	21	11:01	312	17:16	32	23:16	332
6-5	zon	21:29 NM		05:25	19	11:36	307	17:44	34	23:47	327				5:46	16	11:56	317	18:16	22	23:55	333
7-5	maa			06:19	19	12:19	309	18:38	20						6:46	12	12:36	321	19:06	12		
8-5	din		00:34	328	07:07	9	13:00	316	19:27	9			0:56	332	7:33	12	13:26	324	19:56	5		
9-5	woe		01:22	329	07:53	9	13:43	321	20:14	-1			1:46	329	8:17	13	14:06	326	20:40	2		
10-5	don		02:11	324	08:37	9	14:28	322	20:59	9			2:35	323	8:56	17	14:50	326	21:21	4		
11-5	vry		03:00	313	09:18	29	15:13	317	21:43	20			3:20	315	9:36	26	15:30	324	22:03	11		
12-5	zat		03:48	297	09:55	49	15:58	308	22:28	42			4:16	304	10:16	36	16:26	319	22:46	22		
13-5	zon	19:02 EK	04:37	284	10:30	69	16:46	302	23:18	59			4:45	294	10:56	47	17:05	314	23:25	34		
14-5	maa		05:30	277	11:22	79	17:42	301					5:56	286	11:40	59	18:00	309				
15-5	din			00:19	59	06:30	279	12:40	90	18:48	304				0:26	45	6:55	281	12:46	70	18:59	305
16-5	woe			01:23	59	07:38	287	13:50	85	20:01	311				1:36	50	7:56	282	14:00	71	20:10	304
17-5	don			02:26	59	08:52	298	14:56	74	21:12	316				2:46	47	9:05	288	15:10	64	21:26	306
18-5	vry			03:31	49	09:54	304	16:03	65	22:08	314				3:46	42	10:16	296	16:16	56	22:26	309
19-5	zat			04:30	49	10:41	305	16:58	58	22:49	306				4:41	37	11:01	304	17:09	49	22:55	310
20-5	zon			05:16	49	11:12	303	17:39	56	23:21	301				5:26	36	11:25	309	17:51	45	23:35	311
21-5	maa	23:14 VM		05:53	49	11:39	309	18:13	51	23:53	304				6:06	34	12:16	315	18:25	41		
22-5	din			06:27	39	12:14	321	18:47	45				0:26	312	6:46	32	12:47	321	19:06	36		
23-5	woe		00:32	313	07:02	39	12:55	334	19:23	41			0:56	313	7:16	30	13:20	325	19:40	33		
24-5	don		01:16	320	07:38	39	13:39	339	20:00	45			1:25	310	7:51	30	13:50	325	20:16	33		
25-5	vry		02:01	319	08:12	49	14:19	337	20:36	56			2:17	305	8:27	34	14:26	322	20:51	35		
26-5	zat		02:41	310	08:43	59	14:53	330	21:10	67			2:46	299	8:56	38	14:55	319	21:26	38		
27-5	zon		03:16	299	09:13	69	15:25	326	21:46	70			3:15	292	9:25	42	15:46	316	22:01	40		
28-5	maa		03:55	293	09:51	69	16:06	326	22:29	66			4:16	286	10:05	46	16:26	314	22:45	42		
29-5	din	14:12 LK	04:42	291	10:41	69	16:57	328	23:22	59			5:00	282	11:06	52	17:16	312	23:40	45		
30-5	woe		05:38	292	11:40	69	17:55	328					6:06	279	12:00	58	18:21	311				
31-5	don			00:23	49	06:44	294	12:44	67	19:01	325				0:51	46	7:16	281	13:16	61	19:35	312
1-6	vry			01:31	49	07:59	295	13:55	65	20:17	322				2:06	42	8:20	289	14:26	56	20:40	318
2-6	zat			02:46	39	09:14	297	15:08	59	21:30	320				3:05	34	9:25	299	15:35	46	21:46	324
3-6	zon			03:53	39	10:18	300	16:15	50	22:32	320				4:12	28	10:25	309	16:47	38	22:46	328
4-6	maa			04:55	29	11:10	304	17:20	38	23:26	320				5:21	26	11:15	317	17:51	29	23:34	328

Referentievlak : LAT

Borkum Fischerbalje										Eemshaven LAT=NAP-192		53.4500° N, 6.8333° O											
HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm				
00:18	321	05:55	19	11:56	309	18:22	23			0:35	326	6:19	24	12:16	323	18:49	20						
01:09	320	06:49	19	12:41	317	19:15	11			1:30	322	7:11	23	12:55	327	19:36	13						
01:59	317	07:37	19	13:27	323	20:04	9			2:15	316	8:39	26	13:50	330	20:23	10						
02:47	308	08:23	19	14:13	324	20:49	16			3:06	309	9:15	30	14:36	331	21:06	10						
03:32	297	09:04	39	14:57	320	21:32	34			3:50	302	9:55	35	15:16	330	21:46	16						
04:16	290	09:41	59	15:39	316	22:11	53			4:36	302	9:55	35	16:00	327	22:25	23						
05:02	287	10:13	69	16:22	313	22:52	67			5:20	294	10:36	43	16:35	321	23:06	33						
05:54	289	10:53	79	17:11	313	23:41	72			6:10	288	11:16	53	17:30	315	23:50	44						
		11:50	89	18:09	313							12:06	65	18:26	307								
		00:38	69	06:52	292	12:59	89	19:13	311			0:46	55	7:00	281	13:00	75	19:26	301				
		01:39	69	07:53	295	14:06	85	20:18	307			1:51	60	7:54	282	14:15	79	20:14	298				
		02:41	59	08:55	297	15:11	79	21:17	302			2:44	59	8:59	289	15:20	73	21:25	300				
		03:40	59	09:48	299	16:11	73	22:06	298			3:50	53	9:54	298	16:26	65	22:20	304				
		04:32	59	10:31	305	17:00	68	22:47	298			4:40	47	10:56	309	17:10	56	23:10	308				
		05:16	59	11:10	315	17:42	62	23:28	305			5:31	42	11:36	318	17:58	49	23:56	310				
		05:58	49	11:52	328	18:23	55					6:16	39	12:26	324	18:46	44						
00:13	313	06:38	49	12:37	337	19:05	50			0:36	311	6:56	37	12:55	328	19:20	39						
01:00	317	07:19	49	13:21	340	19:45	50			1:16	310	7:36	36	13:35	329	20:02	36						
01:46	314	07:56	49	14:01	337	20:24	54			1:56	307	8:11	37	14:15	330	20:42	35						
02:27	306	08:31	59	14:37	332	21:01	58			2:25	303	8:51	39	14:46	330	21:21	36						
03:05	298	09:05	59	15:11	329	21:38	57			3:16	299	9:26	42	15:25	329	22:06	38						
03:44	293	09:43	59	15:53	330	22:18	52			4:00	295	10:06	45	16:15	327	22:46	40						
04:28	292	10:28	49	16:40	331	23:05	49			4:46	290	10:56	49	17:07	323	23:30	43						
05:20	292	11:20	49	17:34	328	23:59	50			5:46	286	11:47	54	17:56	319								
06:20	290	12:17	59	18:35	320							0:26	47	6:40	285	12:46	59	18:55	316				
		01:02	49	07:28	287	13:25	68	19:47	312			1:36	49	7:55	288	13:56	60	20:05	316				
		02:19	49	08:42	286	14:43	66	21:05	307			2:40	47	8:56	297	15:05	54	21:15	319				
		03:28	49	09:52	291	15:53	57	22:14	308			3:48	43	10:06	308	16:21	46	22:15	322				
		04:34	39	10:49	300	17:08	44	23:13	311			4:56	41	11:00	319	17:30	37	23:31	324				
		05:40	39	11:40	311	18:14	29					6:01	37	11:56	327	18:36	28						
00:07	315	06:37	29	12:28	321	19:07	19			0:26	322	6:56	35	12:51	332	19:26	22						
00:58	317	07:26	29	13:14	326	19:53	21			1:15	318	7:42	34	13:25	334	20:09	19						
01:47	314	08:09	39	13:58	327	20:36	34			2:06	313	8:21	34	14:15	335	20:52	20						
02:31	308	08:48	49	14:38	324	21:14	52			2:56	308	8:59	34	15:01	335	21:26	23						
03:11	301	09:21	69	15:16	322	21:48	66			3:25	303	9:32	36	15:46	331	22:00	29						
03:48	297	09:49	79	15:53	321	22:21	73			4:11	298	10:09	41	16:16	325	22:35	38						
04:27	297	10:22	79	16:34	319	23:00	76			4:46	292	10:40	50	16:56	317	23:10	49						
05:13	297	11:06	79	17:25	315	23:48	80			5:25	286	11:21	61	17:35	307	23:50	61						
06:07	296	12:01	89	18:24	307					6:16	282	12:00	74	18:25	298								
		00:45	79	07:03	294	13:07	99	19:25	299			0:46	72	7:06	281	12:56	86	19:14	292				
		01:48	89	08:00	295	14:16	101	20:24	295			1:35	78	8:06	285	14:15	91	20:36	292				



Referentievlak : LAT

maan

Borkum Fischerbalje											
	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm	
16-7 maa			02:51	89	08:57	301	15:22	97	21:21	296	
17-7 din			03:49	79	09:53	312	16:21	88	22:15	302	
18-7 woe			04:42	79	10:45	326	17:14	77	23:07	311	
19-7 don			05:31	69	11:34	338	18:02	66	23:59	316	
20-7 vry	0:57 VM		06:17	59	12:22	343	18:47	57			
21-7 zat		00:48	317	07:01	49	13:06	342	19:31	52		
22-7 zon		01:33	312	07:42	49	13:45	338	20:11	49		
23-7 maa		02:13	306	08:19	49	14:21	336	20:50	47		
24-7 din		02:51	301	08:55	49	14:57	337	21:28	45		
25-7 woe		03:29	300	09:33	39	15:39	338	22:06	44		
26-7 don		04:13	299	10:14	39	16:25	336	22:48	48		
27-7 vry	1:00 LK	05:02	296	11:00	49	17:17	327	23:36	57		
28-7 zat		05:58	290	11:53	59	18:17	313				
29-7 zon			00:35	69	07:03	284	13:00	75	19:30	301	
30-7 maa			01:59	69	08:17	283	14:29	74	20:51	297	
31-7 din			03:12	59	09:33	292	15:45	63	22:04	303	
1-8 woe			04:23	49	10:34	307	17:05	48	23:03	312	
2-8 don	22:45 NM		05:31	39	11:26	322	18:06	34	23:57	319	
3-8 vry			06:25	39	12:14	332	18:55	31			
4-8 zat		00:46	321	07:12	39	12:58	335	19:38	39		
5-8 zon		01:30	318	07:52	49	13:38	333	20:16	54		
6-8 maa		02:08	312	08:26	69	14:13	330	20:48	67		
7-8 din		02:40	309	08:54	69	14:45	329	21:17	74		
8-8 woe		03:11	309	09:18	79	15:18	329	21:45	76		
9-8 don		03:46	310	09:49	79	15:54	326	22:19	80		
10-8 vry	20:21 EK	04:28	308	10:27	79	16:37	319	22:58	90		
11-8 zat		05:16	304	11:11	99	17:28	308	23:43	105		
12-8 zon		06:10	300	12:05	109	18:26	299				
13-8 maa			00:38	119	07:08	301	13:08	125	19:28	296	
14-8 din			01:43	119	08:09	309	14:21	124	20:32	301	
15-8 woe			02:54	109	09:14	323	15:35	111	21:39	310	
16-8 don			04:01	99	10:18	339	16:41	93	22:45	319	
17-8 vry			05:00	79	11:14	349	17:37	75	23:41	323	
18-8 zat	11:27 VM		05:53	69	12:03	351	18:26	61			
19-8 zon		00:31	321	06:40	59	12:46	347	19:11	51		
20-8 maa		01:15	315	07:22	49	13:24	343	19:53	45		
21-8 din		01:53	310	08:02	49	14:00	344	20:33	41		
22-8 woe		02:29	310	08:40	39	14:39	347	21:12	40		
23-8 don		03:08	312	09:18	39	15:22	348	21:50	44		
24-8 vry		03:52	311	09:58	39	16:09	340	22:30	54		
25-8 zat	5:41 LK	04:41	305	10:42	49	17:02	324	23:14	69		
26-8 zon		05:36	295	11:33	69	18:05	305				
27-8 maa			00:12	79	06:40	287	12:49	84	19:18	293	
28-8 din			01:46	89	07:55	287	14:21	82	20:41	293	

Eemshaven  
LAT=NAP-192

53.4500° N, 6.8333° O

HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
		3:01	74	9:16	294	15:30	82	21:25	297
		4:00	64	10:16	307	16:30	69	22:36	305
		4:56	55	11:05	319	17:26	58	23:36	310
		5:45	48	11:56	327	18:16	50		
0:21	313	6:36	45	12:35	332	19:06	43		
1:00	313	7:16	42	13:16	335	19:52	37		
1:40	312	8:01	39	13:56	338	20:36	33		
2:20	311	8:43	37	14:36	340	21:16	31		
3:00	309	9:26	38	15:16	340	21:56	33		
3:46	305	10:03	40	15:55	337	22:36	39		
4:30	300	10:45	45	16:46	331	23:19	46		
5:15	294	11:31	52	17:36	323				
		0:05	55	6:16	290	12:20	60	18:36	315
		1:06	63	7:04	290	13:30	66	19:46	311
		2:16	66	8:25	297	14:46	64	21:06	312
		3:26	62	9:46	309	16:06	55	22:05	317
		4:35	55	10:45	322	17:16	43	23:20	322
		5:46	47	11:46	332	18:22	32		
0:21	322	6:39	42	12:25	336	19:08	27		
1:06	318	7:26	41	13:15	337	19:53	28		
1:56	313	8:06	40	13:45	337	20:32	31		
2:25	310	8:39	40	14:30	337	21:06	34		
3:07	307	9:12	40	15:06	333	21:36	39		
3:35	304	9:41	44	15:40	326	22:06	47		
4:00	299	10:05	52	16:16	316	22:36	57		
4:36	293	10:40	62	16:45	306	23:06	67		
5:16	288	11:19	72	17:14	297	23:40	75		
5:55	285	12:06	84	18:15	290				
		0:36	85	6:54	284	12:55	95	19:30	287
		1:40	91	8:26	291	14:24	97	20:56	292
		3:10	84	9:36	305	15:55	81	22:00	303
		4:26	70	10:36	320	16:56	65	23:06	312
		5:16	59	11:30	331	17:56	53	23:56	317
		6:11	51	12:16	337	18:46	44		
0:46	318	6:55	46	12:56	341	19:33	36		
1:15	318	7:46	40	13:36	344	20:16	30		
2:16	318	8:29	35	14:21	347	20:58	28		
2:56	317	9:12	33	14:55	346	21:39	32		
3:36	314	9:51	36	15:34	341	22:19	41		
4:05	309	10:31	43	16:25	332	23:02	53		
4:56	303	11:16	53	17:15	321	23:40	66		
5:35	297	12:00	64	18:25	310				
		0:36	79	6:50	296	13:16	74	19:36	304
		1:50	84	8:00	301	14:30	72	20:50	307

maan

	maan	HW	cm	lw	cm	HW	cm	lw	cm	HW	cm		HW	cm	lw	cm	HW	cm	lw	cm	HW	cm
29-8	woe			02:59	79	09:15	301	15:38	69	21:53	306				3:05	78	9:26	313	15:50	60	22:05	315
30-8	don			04:12	69	10:18	321	16:55	53	22:52	320				4:26	65	10:25	327	17:06	45	23:10	323
31-8	vry			05:18	49	11:11	337	17:51	43	23:44	328				5:28	52	11:25	337	18:02	34		
1-9	zat	11:03	NM	06:10	49	11:58	344	18:37	45				0:06	324	6:23	46	12:16	339	18:50	33		
2-9	zon			06:53	59	12:38	342	19:17	57				0:56	320	7:06	47	12:56	338	19:30	38		
3-9	maa			07:30	69	13:11	337	19:50	70				1:26	316	7:43	48	13:35	336	20:06	44		
4-9	din			07:59	79	13:40	334	20:18	76				1:44	314	8:16	48	14:00	336	20:36	46		
5-9	woe			08:22	79	14:10	335	20:43	76				2:20	315	8:46	47	14:36	332	21:00	49		
12-9	don			00:39	139	07:12	321	13:26	139	19:42	307				0:46	96	7:15	292	13:25	99	20:04	288
13-9	vry			01:52	129	08:27	333	14:44	123	21:02	317				2:05	98	8:56	304	15:10	87	21:30	301
14-9	zat			03:09	109	09:43	347	16:01	100	22:18	326				3:46	83	9:55	321	16:14	68	22:36	314
15-9	zon			04:21	89	10:45	355	17:05	78	23:18	329				4:46	67	11:06	334	17:26	53	23:30	322
16-9	maa	21:05	VM	05:22	79	11:36	355	17:59	63						5:42	56	11:45	342	18:22	43		
17-9	din			06:13	59	12:19	350	18:46	53				0:21	325	6:39	48	12:35	346	19:09	36		
18-9	woe			06:59	59	12:57	348	19:29	47				1:07	325	7:26	41	13:16	348	19:56	31		
19-9	don			07:41	49	13:35	351	20:11	42				1:35	325	8:09	34	13:56	349	20:38	31		
20-9	vry			08:22	39	14:17	354	20:51	42				2:26	325	8:53	31	14:46	346	21:18	36		
21-9	zat			09:02	39	15:04	350	21:31	49				2:55	322	9:32	34	15:20	340	21:59	47		
22-9	zon			09:43	39	15:53	336	22:10	64				3:45	318	10:16	42	16:05	329	22:36	61		
23-9	maa	11:56	LK	10:26	59	16:48	315	22:51	83				4:36	312	10:56	54	17:06	316	23:21	75		
24-9	din			11:18	79	17:51	296	23:51	102				5:20	307	11:47	67	18:06	305				
25-9	woe			12:47	89	19:03	287								0:16	89	6:31	304	12:45	77	19:04	299
26-9	don			01:28	99	07:31	297	14:06	89	20:26	293				1:26	96	7:40	307	14:16	76	20:36	303
27-9	vry			02:39	89	08:54	312	15:20	77	21:39	312				2:45	88	9:06	317	15:36	63	21:55	314
28-9	zat			03:51	79	10:00	334	16:35	62	22:38	329				3:59	72	10:15	331	16:46	48	22:56	323
29-9	zon			04:57	69	10:53	348	17:29	54	23:29	335				5:09	58	11:10	339	17:41	40	23:51	326
30-9	maa			05:48	59	11:39	349	18:13	58						5:59	52	11:50	339	18:25	41		
1-10	din	2:11	NM	06:30	69	12:14	341	18:50	69				0:36	322	6:41	54	12:36	335	19:02	49		
2-10	woe			07:04	79	12:42	333	19:20	77				1:05	319	7:16	56	13:05	333	19:36	55		
3-10	don			07:31	79	13:08	333	19:45	77				1:20	321	7:47	56	13:31	333	20:06	56		
4-10	vry			07:54	79	13:40	337	20:11	74				1:46	324	8:16	54	14:07	329	20:26	57		
5-10	zat			08:22	69	14:17	338	20:41	80				2:15	323	8:40	56	14:25	321	20:56	62		
6-10	zon			08:55	79	14:55	332	21:10	97				2:45	318	9:11	62	15:06	311	21:21	68		
7-10	maa			09:27	99	15:29	322	21:34	118				3:04	311	9:37	69	15:15	302	21:46	73		
8-10	din			09:59	119	16:05	312	22:00	134				3:40	308	10:06	73	16:06	296	22:15	76		
9-10	woe	6:33	EK	10:40	129	16:53	306	22:48	142				4:15	305	10:46	78	16:56	290	23:11	83		
10-10	don			11:38	139	17:53	306	23:57	143				5:04	301	11:46	87	17:55	285				
11-10	vry			12:47	129	19:04	311								0:11	94	6:24	300	12:49	93	19:36	286
12-10	zat			01:10	129	07:37	340	14:02	116	20:28	320				1:25	100	8:05	307	14:26	86	20:45	298
13-10	zon			02:26	109	09:02	349	15:19	93	21:48	329				3:01	89	9:14	322	15:45	67	21:55	313
14-10	maa			03:41	89	10:11	355	16:28	74	22:50	333				4:11	72	10:26	336	16:51	52	23:06	323
15-10	din			04:47	79	11:05	355	17:26	61	23:40	330				5:16	60	11:21	345	17:46	44	23:56	328

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

21:14 LK

18:38 NM

20:51 EK

14:52 VM

9:33 LK

Borkum Fischerbalje											Eemshaven LAT=NAP-192		53.4500° N, 6.8333° O									
HW	cm	lw	cm	HW	cm	lw	cm	HW	cm		HW	cm	lw	cm	HW	cm	lw	cm	HW	cm		
		05:43	69	11:50	351	18:17	54						6:12	50	12:06	348	18:43	39				
00:21	326	06:33	59	12:30	350	19:03	48				0:36	330	7:03	42	12:51	349	19:29	37				
00:58	327	07:19	49	13:12	352	19:47	44				1:15	331	7:49	36	13:36	347	20:13	38				
01:36	332	08:03	39	13:58	351	20:30	44				2:06	331	8:36	32	14:26	342	20:58	43				
02:20	336	08:47	29	14:47	343	21:12	54				2:40	330	9:16	34	15:06	334	21:36	53				
03:06	333	09:31	39	15:38	326	21:52	71				3:14	326	9:55	42	15:56	323	22:16	65				
03:55	323	10:17	59	16:33	306	22:32	92				4:10	322	10:41	52	16:45	311	22:59	77				
04:48	312	11:14	79	17:33	290	23:33	111				5:06	317	11:31	64	17:45	301	23:46	90				
05:49	305	12:30	89	18:41	286						6:06	313	12:31	74	18:56	296						
		01:00	109	06:59	308	13:39	93	19:59	296				0:56	98	7:16	313	13:46	76	20:10	299		
		02:08	99	08:21	321	14:45	83	21:13	314				2:21	93	8:36	318	15:00	67	21:25	308		
		03:16	89	09:31	338	15:58	71	22:13	330				3:30	80	9:46	327	16:05	57	22:25	318		
		04:25	79	10:27	346	16:57	63	23:04	334				4:35	68	10:34	333	17:09	51	23:26	322		
		05:19	69	11:13	341	17:42	65	23:43	328				5:32	62	11:26	333	17:50	53				
		05:02	76	10:46	330	17:18	73	23:06	323		0:06	322	5:11	62	10:55	330	17:31	58	23:20	323		
		05:35	80	11:10	323	17:46	76	23:25	327				5:46	63	11:35	328	18:01	61	23:45	327		
		06:02	79	11:38	327	18:13	74	23:56	339				6:19	61	12:06	328	18:31	60				
		06:29	74	12:15	334	18:43	73				0:15	331	6:49	59	12:24	325	18:56	60				
00:36	348	07:01	75	12:57	336	19:16	83				0:50	331	7:19	60	13:06	319	19:26	63				
01:17	350	07:35	87	13:37	330	19:45	101				1:26	326	7:47	65	13:35	310	19:56	68				
01:53	344	08:08	105	14:11	318	20:08	120				1:45	321	8:10	69	14:05	302	20:26	71				
02:23	337	08:39	119	14:45	309	20:35	130				2:05	317	8:46	72	14:40	296	20:55	73				
02:58	335	09:18	123	15:29	304	21:22	131				2:44	314	9:25	74	15:36	290	21:46	79				
03:48	337	10:13	119	16:27	305	22:29	127				3:44	311	10:21	79	16:24	286	22:46	88				
04:48	340	11:17	109	17:34	310	23:38	118				4:55	310	11:26	84	17:44	286	23:56	94				
05:55	342	12:26	96	18:53	316						6:15	313	12:50	79	19:15	295						
		00:49	106	07:14	344	13:40	81	20:14	324				1:16	88	7:46	322	14:06	66	20:15	308		
		02:03	93	08:31	346	14:50	67	21:18	328				2:36	74	8:45	334	15:10	53	21:26	320		
		03:11	81	09:31	346	15:51	59	22:09	328				3:36	62	9:40	343	16:16	47	22:16	328		
		04:11	70	10:20	344	16:46	53	22:52	328				4:41	52	10:36	346	17:11	44	23:05	332		
		05:07	57	11:06	343	17:37	48	23:31	331				5:40	44	11:26	345	18:02	43	23:50	335		
		05:59	43	11:53	343	18:25	43						6:26	37	12:05	341	18:53	44				
00:14	337	06:48	32	12:43	339	19:11	44				0:41	336	7:16	33	13:06	335	19:36	47				
01:00	339	07:36	31	13:34	330	19:56	54				1:26	335	8:01	34	13:55	327	20:16	53				
01:47	335	08:23	42	14:24	315	20:39	73				2:06	334	8:43	39	14:47	317	20:56	62				
02:35	327	09:11	61	15:15	299	21:20	93				2:44	330	9:25	47	15:30	308	21:36	71				
03:24	318	10:01	80	16:09	289	22:09	108				3:46	326	10:11	57	16:19	300	22:26	81				
04:19	314	11:00	91	17:09	288	23:20	115				4:35	321	10:59	67	17:15	294	23:20	90				
05:22	314	12:00	92	18:15	295						5:41	317	12:06	74	18:25	293						
		00:27	110	06:33	319	13:01	85	19:28	306				0:30	94	6:46	315	13:15	74	19:41	297		
		01:31	99	07:47	325	14:04	77	20:34	316				1:46	90	7:55	316	14:20	70	20:51	305		



Referentievlak : LAT

maan

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

13:18 NM

10:03 EK

1:06 VM

2:56 LK

7:53 NM

Borkum Fischerbalje											Eemshaven LAT=NAP-192		53.4500° N, 6.8333° O									
HW	cm	lw	cm	HW	cm	lw	cm	HW	cm		HW	cm	lw	cm	HW	cm	lw	cm	HW	cm		
		02:38	88	08:50	326	15:09	72	21:27	320				2:50	81	9:06	319	15:26	66	21:46	312		
		03:41	80	09:39	319	16:01	71	22:06	317				3:46	74	9:55	321	16:16	64	22:25	318		
		04:28	78	10:14	311	16:40	74	22:29	318				4:36	70	10:15	321	16:51	63	22:56	323		
		05:04	78	10:41	309	17:12	75	22:55	327				5:16	67	10:54	322	17:26	62	23:14	329		
		05:35	75	11:13	317	17:45	72	23:32	341				5:45	64	11:25	322	18:01	60	23:56	334		
		06:07	71	11:54	326	18:20	72						6:26	61	12:16	321	18:36	59				
00:14	350	06:43	72	12:39	329	18:54	80				0:30	335	7:01	60	12:46	317	19:06	60				
00:56	351	07:19	80	13:20	323	19:26	94				1:00	333	7:25	62	13:21	311	19:37	63				
01:32	344	07:53	92	13:56	312	19:52	106				1:25	330	8:01	64	13:44	304	19:54	65				
02:01	338	08:26	99	14:29	302	20:23	109				1:55	327	8:37	66	14:36	299	20:46	67				
02:37	336	09:03	98	15:11	299	21:08	105				2:55	324	9:17	67	15:20	294	21:26	70				
03:24	336	09:52	90	16:03	300	22:06	99				3:41	322	10:05	69	16:16	290	22:26	76				
04:19	337	10:48	82	17:03	302	23:07	95				4:36	319	11:06	72	17:15	288	23:26	81				
05:19	335	11:50	77	18:13	304						5:35	318	12:16	72	18:24	291						
		00:13	92	06:27	330	13:01	73	19:31	306				0:35	81	6:50	321	13:31	65	19:45	301		
		01:26	87	07:46	327	14:14	67	20:42	310				1:56	73	7:55	327	14:35	57	20:56	313		
		02:37	78	08:57	326	15:18	60	21:39	313				3:06	62	9:10	335	15:35	52	21:45	324		
		03:42	65	09:56	325	16:18	54	22:27	318				4:10	53	10:16	338	16:46	49	22:34	331		
		04:47	51	10:50	326	17:16	47	23:12	325				5:19	44	11:16	337	17:46	48	23:36	336		
		05:47	35	11:42	327	18:10	41	23:59	331				6:13	37	12:07	333	18:36	46				
		06:39	26	12:33	324	18:59	43				0:27	338	7:03	32	12:50	328	19:20	47				
00:46	333	07:28	27	13:23	317	19:45	53				1:06	339	7:46	30	13:40	321	20:02	49				
01:32	330	08:14	41	14:10	306	20:26	69				1:51	339	8:29	33	14:26	314	20:36	52				
02:17	324	08:56	60	14:55	295	21:04	86				2:36	336	9:06	39	15:10	307	21:15	57				
03:00	318	09:37	76	15:40	289	21:39	97				3:20	332	9:49	47	15:45	299	21:57	65				
03:46	315	10:21	85	16:30	288	22:28	102				4:11	325	10:36	59	16:46	293	22:46	76				
04:41	312	11:14	87	17:26	290	23:34	103				4:55	316	11:26	71	17:25	288	23:25	88				
05:44	309	12:13	86	18:27	293						5:50	308	12:21	80	18:36	287						
		00:41	99	06:51	304	13:14	83	19:33	296				0:46	96	6:44	302	13:26	83	19:24	290		
		01:47	93	08:00	300	14:16	81	20:36	299				2:06	94	7:55	302	14:26	79	20:46	299		
		02:53	88	08:59	296	15:14	80	21:22	304				3:00	85	8:54	305	15:26	72	21:24	310		
		03:50	83	09:42	294	16:02	79	21:58	312				3:56	76	9:44	310	16:16	66	22:25	320		
		04:33	79	10:17	299	16:44	76	22:34	325				4:40	68	10:35	314	16:56	61	22:55	328		
		05:11	73	10:56	309	17:23	71	23:15	337				5:26	62	11:15	316	17:39	57	23:36	333		
		05:50	67	11:40	317	18:02	68	23:59	344				6:09	57	11:56	316	18:16	55				
		06:28	65	12:25	319	18:39	71				0:04	335	6:46	54	12:37	315	18:51	53				