

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		dag datum tijd fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
vr	1-1			01:52		408	02:31		492	2:44		477	03:00		480	2:05		408	02:37		398	1:54		411
vr	1-1				08:40	64		08:50	62		8:41	-44		09:25	51		9:08	74		09:40	64		8:27	40
vr	1-1			14:18		376	14:54		456	14:38		388	15:24		444	14:31		376	15:03		366	14:23		379
vr	1-1				20:46	76		21:00	77		20:43	-29		21:35	66		21:14	86		21:46	76		20:28	55
za	2-1			02:33		402	03:05		484	2:49		416	03:34		472	2:46		402	03:18		392	2:35		402
za	2-1				09:16	67		09:25	69		9:00	-37		10:01	58		9:44	77		10:16	67		9:02	46
za	2-1			15:01		366	15:28		443	15:12		377	15:59		433	15:14		366	15:46		356	15:07		366
za	2-1				21:22	79		21:33	85		21:16	-21		22:07	74		21:50	89		22:22	79		20:59	62
zo	3-1			03:14		393	03:37		478	3:21		410	04:06		466	3:27		393	03:59		383	3:10		392
zo	3-1				09:52	68		09:59	72		9:33	-34		10:33	61		10:20	78		10:52	68		9:27	49
zo	3-1			15:44		356	16:01		434	15:45		369	16:34		425	15:57		356	16:29		346	15:44		354
zo	3-1				21:59	78		22:06	86		21:51	-21		22:38	74		22:27	88		22:59	78		21:29	62
ma	4-1			03:55		387	04:13		476	3:57		408	04:43		464	4:08		387	04:40		377	3:40		386
ma	4-1				10:30	65		10:33	70		10:09	-38		11:06	57		10:58	75		11:30	65		9:58	44
ma	4-1			16:25		348	16:38		431	16:22		364	17:14		420	16:38		348	17:10		338	16:15		348
ma	4-1				22:42	74		22:42	81		22:30	-29		23:14	66		23:10	84		23:42	74		22:06	56
di	5-1			04:37		383	04:55		475	4:39		406	05:26		462	4:50		383	05:22		373	4:13		385
di	5-1				11:14	61		11:14	65		10:52	-43		11:46	52		11:42	71		12:14	61		10:41	38
di	5-1			17:08		344	17:21		428	17:05		360	18:00		416	17:21		344	17:53		334	16:55		346
di	5-1	20:47 EK			23:29	71		23:27	79		23:16	-33		23:59	62		23:57	81		00:29	71		22:55	53
wo	6-1			05:22		380	05:44		469	5:28		399	06:17		455		23:57	81		00:29	71	5:12		382
wo	6-1				12:03	62		12:03	67		11:43	-42		12:34	53	5:35		380	06:07		370		11:38	37
wo	6-1			17:54		341	18:14		421	17:58		353	18:55		409		12:31	72		13:03	62	17:58		344
wo	6-1				00:22	72		00:20	85		0:12	-27		00:52	68	18:07		341	18:39		331		0:04	55
do	7-1				00:22	72		00:20	85		0:12	-27		00:52	68		0:50	82		01:22	72		0:04	55
do	7-1			06:14		374	06:43		457	6:27		387	07:15		443	6:27		374	06:59		364	6:23		377
do	7-1				13:01	67		13:03	77		12:45	-32		13:32	63		13:29	77		14:01	67		12:48	42
do	7-1			18:48		338	19:20		412	19:04		346	19:59		402	19:01		338	19:33		328	19:01		341
vr	8-1				01:23	78		01:27	96		1:20	-16		01:56	79		1:51	88		02:23	78		1:22	57
vr	8-1			07:12		367	07:53		443	7:37		374	08:21		430	7:25		367	07:57		357	7:27		371
vr	8-1				14:10	73		14:16	84		14:00	-23		14:44	72		14:38	83		15:10	73		13:58	45
vr	8-1			19:50		335	20:40		407	20:24		341	21:09		397	20:03		335	20:35		325	20:02		339
za	9-1				02:40	80		02:46	98		2:40	-12		03:16	83		3:08	90		03:40	80		2:29	54
za	9-1			08:15		359	09:12		435	8:56		366	09:33		422	8:28		359	09:00		349	8:28		364
za	9-1				15:29	72		15:32	80		15:18	-26		16:02	69		15:57	82		16:29	72		15:01	46
za	9-1			21:00		337	21:57		413	21:41		345	22:23		401	21:13		337	21:45		327	21:03		338

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maand		dag datum tijd fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
				54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
zo	10-1				04:02	71		04:03	85		3:56	-25		04:34	70		4:30	81		05:02	71		3:32	48
zo	10-1			09:25		355	10:27		436	10:11		365	10:51		421	9:38		355	10:10		345	9:31		359
zo	10-1				16:40	64		16:40	68		16:29	-37		17:13	58		17:08	74		17:40	64		16:03	43
zo	10-1			22:17		343	23:04		426	22:48		357	23:31		413	22:30		343	23:02		333	22:07		342
ma	11-1				05:13	55		05:12	65		5:03	-45		05:46	50		5:41	65		06:13	55		4:35	38
ma	11-1			10:52		356	11:35		444	11:19		373	12:03		429	11:05		356	11:37		346	10:38		358
ma	11-1				17:46	54		17:45	55		17:33	-51		18:21	44		18:14	64		18:46	54		17:08	37
ma	11-1			23:32		355	00:03		442	23:47		374	00:30		430	23:45		355	00:17		345	23:14		352
di	12-1				06:20	39	00:03		442	23:47		374	00:30		430	23:45		355	00:17		345		5:47	25
di	12-1			12:08		364		06:18	43		18:04	-66		06:55	29		6:48	49		07:20	39	11:54		364
di	12-1	12:34 VM			18:46	44	12:38		454	12:22		385	13:04		441	12:21		364	12:53		354		18:59	27
di	12-1			00:29		367		18:46	44		18:32	-63		19:24	32		19:14	54		19:46	44	0:21		364
wo	13-1			00:29		367	00:59		456	0:43		389	01:23		445	0:42		367	01:14		357	0:21		364
wo	13-1				07:18	25		07:18	28		7:01	-82		07:55	13		7:46	35		08:18	25		7:33	9
wo	13-1			13:03		371	13:36		461	13:20		392	13:59		448	13:16		371	13:48		361	13:04		372
wo	13-1				19:38	38		19:43	38		19:28	-68		20:20	27		20:06	48		20:38	38		19:58	16
do	14-1			01:20		377	01:52		465	1:36		397	02:14		453	1:33		377	02:05		367	1:24		375
do	14-1				08:09	20		08:11	23		7:54	-85		08:48	10		8:37	30		09:09	20		8:27	2
do	14-1			13:52		374	14:29		461	14:13		392	14:50		448	14:05		374	14:37		364	14:01		377
do	14-1				20:24	38		20:32	41		20:19	-63		21:09	32		20:52	48		21:24	38		20:48	14
vr	15-1			02:07		381	02:42		466	2:26		396	03:01		452	2:20		381	02:52		371	2:20		380
vr	15-1				08:54	25		08:58	30		8:43	-76		09:34	19		9:22	35		09:54	25		9:14	7
vr	15-1			14:38		371	15:17		453	15:01		383	15:37		439	14:51		371	15:23		361	14:52		374
vr	15-1				21:06	46		21:15	53		21:05	-49		21:51	46		21:34	56		22:06	46		21:31	24
za	16-1			02:51		379	03:25		461	3:09		389	03:44		445	3:04		379	03:36		369	3:07		377
za	16-1				09:34	39		09:39	46		9:25	-57		10:13	38		10:02	49		10:34	39		9:52	24
za	16-1			15:20		363	15:57		441	15:41		371	16:18		427	15:33		363	16:05		353	15:35		363
za	16-1				21:43	60		21:52	69		21:43	-32		22:26	63		22:11	70		22:43	60		22:02	43
zo	17-1			03:31		373	04:02		453	3:46		381	04:23		437	3:44		373	04:16		363	3:42		368
zo	17-1				10:11	55		10:14	63		10:00	-40		10:47	55		10:39	65		11:11	55		9:51	43
zo	17-1			15:59		354	16:31		430	16:15		361	16:53		417	16:12		354	16:44		344	16:06		351
zo	17-1				22:18	73		22:25	81		22:17	-20		22:57	75		22:46	83		23:18	73		21:51	56
ma	18-1			04:07		367	04:35		449	4:19		377	04:58		433	4:20		367	04:52		357	3:52		362
ma	18-1				10:46	68		10:48	72		10:33	-32		11:19	63		11:14	78		11:46	68		10:07	49
ma	18-1			16:36		346	17:03		425	16:47		358	17:28		414	16:49		346	17:21		336	16:16		345
ma	18-1				22:52	82		22:59	86		22:51	-17		23:28	78		23:20	92		23:52	82		22:18	55

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maand		dag datum tijd fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
				54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
di	19-1			04:35		361	05:11		446	4:55		375	05:35		431	4:48		361	05:20		351	4:10		364
di	19-1				11:22	76		11:23	76		11:10	-30		11:53	65		11:50	86		12:22	76		10:41	47
di	19-1			17:11		341	17:42		424	17:26		356	18:08		412	17:24		341	17:56		331	16:39		346
di	19-1	23:13	LK		23:29	86		23:37	89		23:32	-17		00:05	78		23:57	96		00:29	86		23:00	53
wo	20-1			04:58		355	05:54		441	5:38		330	00:05		78		23:57	96		00:29	86	4:52		362
wo	20-1				12:05	80		12:05	82		11:55	-26	06:21		425	5:11		355	05:43		345		11:26	49
wo	20-1			17:57		335	18:29		420	18:13		313		12:35	69		12:33	90		13:05	80	17:27		343
wo	20-1				00:16	89		00:25	97		0:22	-11	18:58		408	18:10		335	18:42		325		23:52	59
do	21-1				00:16	89		00:25	97		0:22	-11		00:53	84		0:44	99		01:16	89	5:51		349
do	21-1			06:00		344	06:48		429	6:32		358	07:17		414	6:13		344	06:45		334		12:23	61
do	21-1				12:58	85		12:56	94		12:51	-14		13:27	81		13:26	95		13:58	85	18:47		333
do	21-1			19:02		331	19:26		413	19:10		346	19:57		402	19:15		331	19:47		321		1:01	71
vr	22-1				01:18	93		01:24	108		1:22	0		01:53	95		1:46	103		02:18	93		1:01	71
vr	22-1			07:24		334	07:50		414	7:34		346	08:22		402	7:37		334	08:09		324	7:23		334
vr	22-1				14:01	90		14:00	108		13:53	0		14:31	95		14:29	100		15:01	90		13:40	75
vr	22-1			20:09		331	20:29		408	20:13		342	21:00		398	20:22		331	20:54		321	20:17		332
za	23-1				02:30	94		02:36	115		2:27	7		03:05	102		2:58	104		03:30	94		2:26	77
za	23-1			08:35		330	08:58		405	8:42		338	09:28		394	8:48		330	09:20		320	8:48		330
za	23-1				15:08	92		15:11	114		15:01	6		15:43	101		15:36	102		16:08	92		15:08	80
za	23-1			21:11		339	21:37		412	21:21		347	22:03		403	21:24		339	21:56		329	21:22		338
zo	24-1				03:43	89		03:51	110		3:36	2		04:19	97		4:11	99		04:43	89		3:44	73
zo	24-1			09:37		333	10:08		406	9:52		339	10:34		395	9:50		333	10:22		323	9:51		333
zo	24-1				16:14	89		16:19	108		16:08	0		16:51	95		16:42	99		17:14	89		16:16	76
zo	24-1			22:08		351	22:40		427	22:24		360	23:02		416	22:21		351	22:53		341	22:17		350
ma	25-1				04:48	80		04:56	96		4:38	-12		05:25	83		5:16	90		05:48	80		4:46	65
ma	25-1			10:33		341	11:09		418	10:53		349	11:33		405	10:46		341	11:18		331	10:43		341
ma	25-1				17:12	83		17:17	95		17:04	-13		17:49	82		17:40	93		18:12	83		17:10	69
ma	25-1			22:59		366	23:32		447	23:16		380	23:54		436	23:12		366	23:44		356	23:04		365
di	26-1				05:41	72		05:49	80		5:28	-27		06:20	68		6:09	82		06:41	72		5:36	56
di	26-1			11:22		351	11:57		433	11:41		363	12:22		419	11:35		351	12:07		341	11:25		351
di	26-1				18:00	75		18:06	80		5:51	-27		18:39	68		18:28	85		19:00	75		17:53	61
di	26-1			23:45		380	00:17		466	0:01		398	00:40		454	23:58		380	00:30		370	23:44		380
wo	27-1				06:27	64		00:17	466	0:01		398	00:40		454	23:58		380	00:30		370	23:44		380
wo	27-1			12:06		360		06:35	66		6:12	-39		07:07	56		6:55	74		07:27	64		6:18	46
wo	27-1				18:42	68	12:40		447	12:24		377	13:06		433	12:19		360	12:51		350	12:04		363
wo	27-1			00:27		389		18:50	67		18:33	-38		19:23	57		19:10	78		19:42	68		18:28	51

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dag datum		maan	tijd fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
do	28-1			00:27		389	00:59		479	0:43		410	01:24		466	0:40		389	01:12		379	0:22		392
do	28-1	1:07	NM		07:09	56		07:17	56		6:55	-49		07:50	46		7:37	66		08:09	56		7:00	37
do	28-1			12:47		366	13:23		454	13:07		384	13:50		440	13:00		366	13:32		356	12:43		370
do	28-1				19:22	60		19:32	59		19:15	-45		20:05	50		19:50	70		20:22	60		19:04	42
vr	29-1			01:04		392	01:40		483	1:24		413	02:06		469	1:17		392	01:49		382	1:01		397
vr	29-1				07:50	49		07:58	49		7:36	-55		08:32	40		8:18	59		08:50	49		7:44	30
vr	29-1			13:24		366	14:04		454	13:48		383	14:32		439	13:37		366	14:09		356	13:26		371
vr	29-1				20:00	55		20:11	56		19:54	-49		20:45	46		20:28	65		21:00	55		19:45	36
za	30-1			01:39		391	02:17		480	2:01		409	02:44		465	1:52		391	02:24		381	1:43		395
za	30-1				08:29	45		08:36	46		8:13	-59		09:11	36		8:57	55		09:29	45		8:32	25
za	30-1			14:03		363	14:41		447	14:25		376	15:10		432	14:16		363	14:48		353	14:13		366
za	30-1				20:37	51		20:47	55		20:30	-50		21:22	45		21:05	61		21:37	51		20:25	34
zo	31-1			02:17		388	02:51		476	2:35		404	03:17		460	2:30		388	03:02		378	2:25		389
zo	31-1				09:05	42		09:12	45		8:47	-62		09:48	33		9:33	52		10:05	42		9:12	23
zo	31-1			14:43		358	15:15		439	14:59		371	15:45		427	14:56		358	15:28		348	14:56		358
zo	31-1				21:12	47		21:22	53		21:03	-53		21:57	42		21:40	57		22:12	47		20:53	31

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maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
ma	1-2			02:58		386	03:24		475	3:08		404	03:51		460	3:11		386	03:43		376	3:05		383
ma	1-2				09:39	40		09:47	42		9:19	-64		10:22	31		10:07	50		10:39	40		9:21	20
ma	1-2			15:24		353	15:47		436	15:31		369	16:20		425	15:37		353	16:09		343	15:34		352
ma	1-2				21:47	41		21:56	49		21:37	-57		22:30	38		22:15	51		22:47	41		21:20	25
di	2-2			03:39		384	04:00		477	3:44		407	04:29		463	3:52		384	04:24		374	3:41		381
di	2-2				10:15	37		10:22	40		9:55	-65		10:56	30		10:43	47		11:15	37		9:48	15
di	2-2			16:05		348	16:23		436	16:07		368	16:58		424	16:18		348	16:50		338	16:09		348
di	2-2				22:26	37		22:32	45		22:16	-62		23:04	33		22:54	47		23:26	37		21:56	19
wo	3-2			04:20		380	04:41		476	4:25		405	05:11		461	4:33		380	05:05		370	4:18		381
wo	3-2				10:54	39		11:00	42		10:36	-63		11:31	32		11:22	49		11:54	39		10:27	13
wo	3-2			16:44		343	17:04		432	16:48		362	17:41		418	16:57		343	17:29		333	16:44		345
wo	3-2				23:08	38		23:13	47		22:59	-61		23:44	34		23:52	48		00:08	38		22:42	18
do	4-2			05:01		373	05:27		466	5:11		394	05:59		450	5:11		394	05:59		450	5:04		378
do	4-2	5:19 EK			11:37	46		11:44	52		11:22	-54		12:14	41		11:22	54		12:14	41		11:19	18
do	4-2			17:22		336	17:50		421	17:34		351	18:30		407	17:34		351	18:30		407	17:29		340
do	4-2				23:56	47		00:00	60		23:50	-50		00:30	45		17:35	336		18:07	326		23:41	26
vr	5-2			05:46		361	06:00		450	5:46		361	06:31		450	5:46		361	06:31		450	5:59		367
vr	5-2				12:28	61		12:36	71		12:19	-36		13:05	59		12:56	71		13:28	61		12:21	31
vr	5-2			18:06		327	18:49		404	18:33		336	19:29		392	18:19		327	18:51		317		0:52	37
za	6-2				00:51	61		01:00	79		0:54	-31		01:29	64		1:19	71		01:51	61		0:52	37
za	6-2			06:40		346	07:31		424	7:15		355	08:00		411	6:53		346	07:25		336	6:58		352
za	6-2				13:33	75		13:45	90		13:35	-17		14:14	78		14:01	85		14:33	75		13:29	44
za	6-2			19:07		318	20:11		391	19:55		325	20:43		381	19:20		318	19:52		308	19:27		321
zo	7-2				02:10	72		02:19	91		2:17	-19		02:49	76		2:38	82		03:10	72		2:04	44
zo	7-2			07:48		333	08:56		412	8:40		343	09:19		399	8:01		333	08:33		323	8:01		338
zo	7-2				15:07	78		15:08	92		15:00	-15		15:40	80		15:35	88		16:07	78		14:38	50
zo	7-2			20:31		316	21:37		396	21:21		328	22:04		384	20:44		316	21:16		306	20:33		317
ma	8-2				03:45	63		03:45	82		3:40	-29		04:16	66		4:13	73		04:45	63		3:14	41
ma	8-2			09:21		329	10:16		418	10:00		346	10:45		402	9:34		329	10:06		319	9:11		331
ma	8-2				16:26	65		16:25	77		16:16	-30		16:58	65		16:54	75		17:26	65		15:49	47
ma	8-2			22:21		327	22:49		414	22:33		346	23:18		402	22:34		327	23:06		317	21:54		323
di	9-2				05:05	45		05:02	59		4:52	-51		05:35	44		5:33	55		06:05	45		4:26	30
di	9-2			11:06		342	11:28		434	11:12		364	11:58		420	11:19		342	11:51		332	10:49		338
di	9-2				17:39	47		17:37	57		17:25	-52		18:11	43		18:07	57		18:39	47		17:07	35
di	9-2			23:31		347	23:54		437	23:38		369	00:19		425	23:44		347	00:16		337	23:28		341

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		dag datum tijd fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	10-2				06:16	25		06:12	35		5:56	369	00:19		425	23:44		347	00:16		337		5:53	16
wo	10-2			12:06		359	12:31		451	12:15		-76		06:47	19		6:44	35		07:16	25	12:08		355
wo	10-2				18:39	32		18:41	38		18:11	382	12:57		438	12:19		359	12:51		349		18:52	18
wo	10-2			00:24		365	00:51		456	0:35		387		19:16	24		19:07	42		19:39	32	0:28		362
do	11-2	1:33	VM	00:24		365	00:51		456	0:35		387	01:12		443	0:37		365	01:09		355	0:28		362
do	11-2				07:11	15		07:12	21		6:53	-89		07:46	6		7:39	25		08:11	15		7:26	2
do	11-2			12:55		369	13:27		461	13:11		391	13:49		447	13:08		369	13:40		359	13:00		369
do	11-2				19:28	26		19:35	30		19:18	-78		20:10	17		19:56	36		20:28	26		19:48	7
vr	12-2			01:10		375	01:42		465	1:26		395	02:01		451	1:23		375	01:55		365	1:18		375
vr	12-2				07:57	16		08:02	21		7:43	-87		08:36	8		8:25	26		08:57	16		8:16	0
vr	12-2			13:38		372	14:17		460	14:01		390	14:35		446	13:51		372	14:23		362	13:47		375
vr	12-2				20:10	30		20:21	35		20:06	-70		20:55	25		20:38	40		21:10	30		20:34	7
za	13-2			01:52		377	02:28		465	2:12		393	02:45		449	2:05		377	02:37		367	2:04		378
za	13-2				08:37	27		08:44	33		8:27	-73		09:18	22		9:05	37		09:37	27		8:58	9
za	13-2			14:17		368	14:58		451	14:42		381	15:17		437	14:30		368	15:02		358	14:30		372
za	13-2				20:47	39		20:59	48		20:45	-56		21:33	39		21:15	49		21:47	39		21:13	17
zo	14-2			02:30		374	03:05		458	2:49		385	03:24		441	2:43		374	03:15		364	2:46		373
zo	14-2				09:11	40		09:19	48		9:02	-57		09:53	38		9:39	50		10:11	40		9:28	24
zo	14-2			14:53		363	15:31		442	15:15		372	15:52		428	15:06		363	15:38		353	15:07		364
zo	14-2				21:19	48		21:31	58		21:17	-45		22:04	50		21:47	58		22:19	48		21:38	31
ma	15-2			03:04		369	03:36		451	3:20		379	03:58		435	3:17		369	03:49		359	3:15		364
ma	15-2				09:42	49		09:49	57		9:31	-49		10:22	46		10:10	59		10:42	49		9:21	35
ma	15-2			15:26		358	15:58		437	15:42		368	16:21		424	15:39		358	16:11		348	15:31		355
ma	15-2				21:49	53		21:59	61		21:45	-43		22:31	52		22:17	63		22:49	53		21:25	35
di	16-2			03:35		365	04:04		450	3:48		378	04:28		434	3:48		365	04:20		355	3:22		360
di	16-2				10:11	55		10:17	58		9:59	-50		10:49	45		10:39	65		11:11	55		9:37	31
di	16-2			15:57		354	16:26		439	16:10		370	16:52		426	16:10		354	16:42		344	15:38		354
di	16-2				22:20	56		22:29	59		22:15	-47		22:59	48		22:48	66		23:20	56		21:49	27
wo	17-2			03:59		360	04:36		449	4:20		377	05:01		433	4:12		360	04:44		350	3:38		364
wo	17-2				10:42	59		10:48	58		10:32	-52		11:19	43		11:10	69		11:42	59		10:07	25
wo	17-2			16:22		350	17:00		439	16:44		369	17:27		425	16:35		350	17:07		340	15:59		357
wo	17-2				22:52	60		23:03	61		22:50	-48		23:32	47		23:20	70		23:52	60		22:25	22
do	18-2			04:20		354	05:13		443	4:57		370	05:39		426	4:33		354	05:05		344	4:13		363
do	18-2				11:14	67		11:22	67		11:10	-44		11:53	51		11:42	77		12:14	67		10:45	27
do	18-2			16:43		344	17:39		433	17:23		363	18:09		419	16:56		344	17:28		334	16:36		353
do	18-2	20:33	LK		23:29	68		23:41	72		23:32	-39		00:10	56		23:57	78		00:29	68		23:09	30

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
vr	19-2			05:02		343	05:57		428	5:41		318	00:10		56	23:57		78	00:29		68	5:01		350
vr	19-2				11:53	81		12:01	86		11:55	15	06:24		413	5:15		343	05:47		333		11:30	45
vr	19-2			17:33		335	18:26		420	18:10		312		12:33	71		12:21	91		12:53	81	17:27		339
vr	19-2				00:17	82		00:26	93		0:21	-19	18:59		407	17:46		335	18:18		325		0:03	54
za	20-2				00:17	82		00:26	93		0:21	-19		00:57	76		0:45	92		01:17	82		0:03	54
za	20-2			06:11		329	06:49		410	6:33		342	07:20		398	6:24		329	06:56		319	6:09		330
za	20-2				12:45	99		12:51	113		12:49	3		13:23	98		13:13	109		13:45	99		12:28	75
za	20-2			18:53		327	19:21		408	19:05		342	19:57		398	19:06		327	19:38		317	19:04		324
zo	21-2				01:17	97		01:25	117		1:20	6		01:56	101		1:45	107		02:17	97		1:18	81
zo	21-2			07:29		321	07:51		397	7:35		333	08:24		389	7:42		321	08:14		311	7:44		318
zo	21-2				13:50	113		13:58	135		13:54	26		14:30	121		14:18	123		14:50	113		13:51	99
zo	21-2			20:11		331	20:29		405	20:13		343	21:03		399	20:24		331	20:56		321	20:27		327
ma	22-2				02:31	104		02:45	129		2:29	18		03:14	113		2:59	114		03:31	104		2:49	89
ma	22-2			08:42		325	09:02		397	8:46		334	09:31		390	8:55		325	09:27		315	8:57		322
ma	22-2				15:06	114		15:21	136		15:07	27		15:54	122		15:34	124		16:06	114		15:21	100
ma	22-2			21:19		345	21:45		418	21:29		357	22:13		413	21:32		345	22:04		335	21:31		343
di	23-2				03:53	97		04:10	116		3:46	6		04:39	101		4:21	107		04:53	97		4:02	78
di	23-2			09:48		336	10:19		411	10:03		346	10:43		402	10:01		336	10:33		326	9:58		335
di	23-2				16:26	101		16:37	115		16:20	6		17:09	101		16:54	111		17:26	101		16:27	85
di	23-2			22:21		363	22:54		442	22:38		378	23:18		434	22:34		363	23:06		353	22:26		363
wo	24-2				05:03	79		05:15	91		4:53	-18		05:45	77		5:31	89		06:03	79		5:01	60
wo	24-2			10:49		349	11:24		431	11:08		363	11:50		419	11:02		349	11:34		339	10:51		350
wo	24-2				17:28	80		17:36	88		17:21	-20		18:09	75		17:56	90		18:28	80		17:22	65
wo	24-2			23:17		377	23:50		464	23:34		396	00:14		452	23:30		377	00:02		367	23:16		379
do	25-2				05:59	60		06:08	66		5:47	-2	00:14		452	23:30		377	00:02		367		5:55	41
do	25-2			11:43		359	12:17		447	12:01		337	06:40		54		6:27	70		06:59	60	11:38		361
do	25-2				18:17	61		18:26	66		18:09	-2	12:43		432	11:56		359	12:28		349		18:14	47
do	25-2			00:06		384	00:37		475	0:21		405	18:59		54		18:45	71		19:17	61	0:00		388
vr	26-2			00:06		384	00:37		475	0:21		405	01:02		461	0:19		384	00:51		374	0:00		388
vr	26-2				06:46	45		06:55	49		6:34	-56		07:27	39		7:14	55		07:46	45		6:50	27
vr	26-2	15:58	NM	12:29		361	13:03		452	12:47		380	13:29		436	12:42		361	13:14		351	12:23		365
vr	26-2				19:02	47		19:11	52		18:55	-54		19:43	41		19:30	57		20:02	47		19:09	32
za	27-2			00:46		383	01:20		477	1:04		404	01:45		460	0:59		383	01:31		373	0:41		388
za	27-2				07:30	34		07:37	39		7:16	-67		08:10	28		7:58	44		08:30	34		7:43	17
za	27-2			13:07		359	13:45		449	13:29		377	14:11		433	13:20		359	13:52		349	13:06		363
za	27-2				19:43	36		19:51	44		19:35	-63		20:25	32		20:11	46		20:43	36		20:00	22

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
dag datum		tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
				54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
zo	28-2			01:21		381	01:58		474	1:42		400	02:23		456	1:34		381	02:06		371	1:22		384
zo	28-2				08:10	26		08:16	32		7:54	-75		08:51	20		8:38	36		09:10	26		8:30	9
zo	28-2			13:42		357	14:23		445	14:07		373	14:49		429	13:55		357	14:27		347	13:50		358
zo	28-2				20:21	28		20:29	36		8:16	-72		21:04	23		20:49	38		21:21	28		20:43	13



getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
ma	1-3			01:57		382	02:33		474	2:17		400	02:58		456	2:10		382	02:42		372	2:04		381
ma	1-3				08:47	22		08:53	25		8:29	-83		09:29	12		9:15	32		09:47	22		9:10	3
ma	1-3			14:20		357	14:57		443	14:41		374	15:25		430	14:33		357	15:05		347	14:33		355
ma	1-3				20:57	21		21:05	27		20:46	-81		21:41	14		21:25	31		21:57	21		21:17	5
di	2-3			02:38		385	03:07		479	2:51		406	03:34		462	2:51		385	03:23		375	2:46		382
di	2-3				09:23	19		09:29	20		9:02	-87		10:05	8		9:51	29		10:23	19		9:39	0
di	2-3			15:02		358	15:30		446	15:14		377	16:01		433	15:15		358	15:47		348	15:13		355
di	2-3				21:32	15		21:41	18		21:21	-88		22:17	7		22:00	25		22:32	15		21:05	-3
wo	3-3			03:21		386	03:45		483	3:29		411	04:14		467	3:34		386	04:06		376	3:28		384
wo	3-3				09:57	19		10:05	19		9:40	-86		10:40	9		10:25	29		10:57	19		9:33	-4
wo	3-3			15:45		357	16:07		449	15:51		379	16:40		435	15:58		357	16:30		347	15:51		356
wo	3-3				22:10	12		22:18	17		22:01	-89		22:52	6		22:38	22		23:10	12		21:44	-8
do	4-3			04:04		382	04:28		479	4:12		407	04:57		463	4:17		382	04:49		372	4:08		384
do	4-3				10:33	25		10:43	27		10:22	-77		11:16	18		11:01	35		11:33	25		10:14	-3
do	4-3			16:25		350	16:48		443	16:32		373	17:23		429	16:38		350	17:10		340	16:27		353
do	4-3				22:49	18		22:59	25		22:45	-82		23:29	13		23:17	28		23:49	18		22:30	-5
vr	5-3			04:46		368	05:15		462	4:59		390	05:45		446	4:59		368	05:31		358	4:51		375
vr	5-3				11:13	38		11:25	45		11:08	-60		11:54	35		11:41	48		12:13	38		11:02	8
vr	5-3	12:32	EK	17:02		339	17:34		429	17:18		358	18:10		414	17:15		339	17:47		329	17:09		344
vr	5-3				23:34	32		23:44	44		23:36	-65		00:13	30		0:02	42		00:34	32		23:26	8
za	6-3			05:30		349	06:10		436	5:54		326		00:13	30		0:02	42		00:34	32		5:40	358
za	6-3				11:59	57		12:14	71		12:05	3	06:41		421	5:43		349	06:15		339		12:00	27
za	6-3			17:44		326	18:32		408	18:16		300		12:42	59		12:27	67		12:59	57		18:01	329
za	6-3				00:27	51		00:42	68		0:41	-41	19:08		395	17:57		326	18:29		316		0:33	25
zo	7-3				00:27	51		00:42	68		0:41	-41	01:09		54		0:55	61		01:27	51		0:33	25
zo	7-3			06:25		329	07:23		411	7:07		342	07:51		398	6:38		329	07:10		319	6:37		336
zo	7-3				13:00	76		13:21	96		13:23	-11		13:49	84		13:28	86		14:00	76		13:07	46
zo	7-3			18:47		314	19:55		393	19:39		287	20:26		382	19:00		314	19:32		304	19:03		316
ma	8-3				01:59	64		02:02	85		2:05	-24		02:33	71		2:27	74		02:59	64		1:47	38
ma	8-3			07:50		315	08:47		403	8:31		333	09:15		389	8:03		315	08:35		305	7:44		319
ma	8-3				14:53	79		14:51	101		14:48	-7		15:23	88		15:21	89		15:53	79		14:21	56
ma	8-3			20:39		313	21:21		398	21:05		330	21:50		386	20:52		313	21:24		303	20:20		310
di	9-3				03:37	54		03:33	76		3:27	-33		04:03	62		4:05	64		04:37	54		3:03	37
di	9-3			09:45		322	10:06		415	9:50		344	10:38		400	9:58		322	10:30		312	9:24		316
di	9-3				16:15	61		16:14	82		16:05	-26		16:45	69		16:43	71		17:15	61		15:40	50
di	9-3			22:17		333	22:36		421	22:20		352	23:04		408	22:30		333	23:02		323	22:18		325

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		dag datum tijd fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
				54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
wo	10-3				04:58	34		04:52	52		4:41	-57		05:24	38		5:26	44		05:58	34		4:22	26
wo	10-3			10:59		345	11:19		438	11:03		367	11:48		423	11:12		345	11:44		335	11:05		337
wo	10-3				17:28	39		17:27	55		17:14	-53		18:00	42		17:56	49		18:28	39		17:37	33
wo	10-3			23:20		358	23:42		448	23:26		377	00:06		433	23:32		10	00:05		0	23:30		353
do	11-3				06:04	16		06:01	29		5:46	-41		00:06	433		23:32	358		00:05	348		6:23	9
do	11-3			11:53		364	12:22		458	12:06		347	06:35		15		6:32	26		07:04	16	12:00		361
do	11-3				18:25	24		18:29	34		18:07	-35	12:45		442	12:06		364	12:38		354		18:46	13
do	11-3			00:10		375	00:39		466	0:23		394	19:02		21		18:53	34	19:25		24	0:19		374
vr	12-3			00:10		375	00:39		466	0:23		394	00:59		450	0:23		375	00:55		365	0:19		374
vr	12-3				06:55	10		06:57	19		6:40	-90		07:30	5		7:23	20		07:55	10		7:17	-1
vr	12-3	15:54 VM		12:39		373	13:14		466	12:58		393	13:34		449	12:52		373	13:24		363	12:44		374
vr	12-3				19:11	22		19:20	29		19:04	-78		19:53	17		19:39	32		20:11	22		19:35	4
za	13-3			00:53		381	01:27		470	1:11		396	01:45		452	1:06		381	01:38		371	1:01		383
za	13-3				07:38	18		07:44	24		7:26	-82		08:16	13		8:06	28		08:38	18		7:59	2
za	13-3			13:17		373	13:58		461	13:42		388	14:16		444	13:30		373	14:02		363	13:24		378
za	13-3				19:51	29		20:02	36		19:47	-69		20:35	26		20:19	39		20:51	29		20:15	7
zo	14-3			01:29		378	02:08		464	1:52		390	02:25		446	1:42		378	02:14		368	1:40		381
zo	14-3				08:13	31		08:22	38		8:04	-68		08:54	27		8:41	41		09:13	31		8:31	11
zo	14-3			13:49		370	14:33		451	14:17		380	14:51		436	14:02		370	14:34		360	14:01		375
zo	14-3				20:23	37		20:36	47		20:20	-58		21:09	37		20:51	47		21:23	37		20:46	14
ma	15-3			02:01		374	02:39		456	2:23		383	02:59		439	2:14		374	02:46		364	2:15		373
ma	15-3				08:41	39		08:53	48		8:32	-59		09:25	36		9:09	49		09:41	39		8:47	19
ma	15-3			14:20		368	14:58		448	14:42		378	15:20		434	14:33		368	15:05		358	14:32		370
ma	15-3				20:50	39		21:04	49		20:45	-56		21:37	39		21:18	49		21:50	39		20:57	19
di	16-3			02:32		371	03:05		453	2:49		381	03:29		437	2:45		371	03:17		361	2:40		367
di	16-3				09:08	40		09:19	47		8:57	-62		09:52	33		9:36	50		10:08	40		8:50	19
di	16-3			14:51		370	15:22		453	15:06		383	15:48		439	15:04		370	15:36		360	14:55		368
di	16-3				21:19	36		21:31	43		21:11	-64		22:03	31		21:47	46		22:19	36		20:59	14
wo	17-3			03:02		369	03:33		456	3:17		383	03:59		439	3:15		369	03:47		359	2:56		366
wo	17-3				09:36	39		09:46	43		9:26	-67		10:19	28		10:04	49		10:36	39		9:10	13
wo	17-3			15:22		370	15:52		460	15:36		389	16:19		445	15:35		370	16:07		360	15:11		370
wo	17-3				21:50	37		22:00	39		21:42	-69		22:31	26		22:18	47		22:50	37		21:24	6
do	18-3			03:31		366	04:05		456	3:49		382	04:31		438	3:44		366	04:16		356	3:15		369
do	18-3				10:06	46		10:15	46		9:59	-65		10:47	30		10:34	56		11:06	46		9:38	11
do	18-3			15:49		366	16:26		460	16:10		387	16:54		443	16:02		366	16:34		356	15:32		371
do	18-3				22:22	45		22:32	45		22:17	-64		23:02	31		22:50	55		23:22	45		21:57	7

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		dag datum		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
tijd fase				54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
vr	19-3			03:58		359	04:40		449	4:24		375	05:07		431	4:11		359	04:43		349	3:46		366
vr	19-3				10:35	60		10:45	61		10:34	-50		11:17	45		11:03	70		11:35	60		10:12	20
vr	19-3			16:12		360	17:00		452	16:44		379	17:31		435	16:25		360	16:57		350	16:01		366
vr	19-3				22:55	60		23:05	62		22:53	-49		23:36	46		23:23	70		23:55	60		22:34	22
za	20-3			04:32		349	05:18		435	5:02		363	05:45		419	4:45		349	05:17		339	4:24		356
za	20-3				11:07	80		11:18	85		11:12	-27		11:50	68		11:35	90		12:07	80		10:50	43
za	20-3	16:58 LK		16:45		352	17:38		439	17:22		368	18:09		424	16:58		352	17:30		342	16:39		355
za	20-3				23:35	80		23:42	86		23:33	-27		00:14	68		0:03	90		00:35	80		23:17	50
zo	21-3			05:24		336	06:01		419	5:45		-27		00:14	68		0:03	90		00:35	80	5:12		338
zo	21-3				11:49	101		11:59	112		11:56	350	06:30		406	5:37		336	06:09		326		11:36	75
zo	21-3			17:49		345	18:24		427	18:08		-1		12:31	94		12:17	111		12:49	101	17:32		341
zo	21-3				00:27	98		00:30	111		0:24	359	18:58		415	18:02		345	18:34		335		0:15	82
ma	22-3				00:27	98		00:30	111		0:24	-2		01:03	93		0:55	108		01:27	98		0:15	82
ma	22-3			06:34		328	06:56		406	6:40		341	07:29		397	6:47		328	07:19		318	6:43		324
ma	22-3				12:48	117		12:53	136		12:54	23		13:26	118		13:16	127		13:48	117		12:40	105
ma	22-3			19:05		344	19:25		421	19:09		357	20:04		413	19:18		344	19:50		334	19:29		337
di	23-3				01:33	107		01:36	129		1:29	17		02:09	112		2:01	117		02:33	107		1:50	98
di	23-3			07:46		330	08:05		404	7:49		341	08:38		397	7:59		330	08:31		320	8:05		326
di	23-3				13:57	120		14:10	146		14:07	34		14:40	129		14:25	130		14:57	120		14:15	112
di	23-3			20:20		354	20:42		427	20:26		366	21:19		422	20:33		354	21:05		344	20:40		351
wo	24-3				02:49	100		03:09	125		2:47	13		03:37	108		3:17	110		03:49	100		3:14	84
wo	24-3			08:59		341	09:25		414	9:09		351	09:53		407	9:12		341	09:44		331	9:11		339
wo	24-3				15:15	108		15:43	128		15:29	19		16:12	114		15:43	118		16:15	108		15:34	92
wo	24-3			21:32		369	22:05		445	21:49		382	22:34		438	21:45		369	22:17		359	21:41		370
do	25-3				04:11	79		04:31	95		4:08	-15		05:01	80		4:39	89		05:11	79		4:19	57
do	25-3			10:07		354	10:43		433	10:27		366	11:09		422	10:20		354	10:52		344	10:10		355
do	25-3				16:40	83		16:57	95		16:41	-14		17:28	81		17:08	93		17:40	83		16:36	64
do	25-3			22:38		381	23:12		465	22:56		397	23:38		453	22:51		381	23:23		371	22:36		384
vr	26-3				06:20	50		06:32	60		5:42	-45		07:03	50		6:48	60		07:20	50		6:18	32
vr	26-3			12:09		362	12:45		448	12:29		377	13:12		433	12:22		362	12:54		352	12:04		364
vr	26-3				18:42	57		18:53	67		6:39	-40		19:26	55		19:10	67		19:42	57		18:35	41
vr	26-3			00:33		385	01:05		474	0:49		402	01:31		458	0:46		385	01:18		375	0:26		389
za	27-3			00:33		385	01:05		474	0:49		402	01:31		458	0:46		385	01:18		375	0:26		389
za	27-3				07:14	30		07:23	40		7:04	-65		07:55	30		7:42	40		08:14	30		7:21	12
za	27-3			13:00		363	13:35		453	13:19		380	14:02		436	13:13		363	13:45		353	12:52		365
za	27-3				19:33	39		19:42	50		19:26	-57		20:15	38		20:01	49		20:33	39		19:48	25

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
dag datum		tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	28-3	4:57	NM	01:17		382	01:50		474	1:34		399	02:16		455	1:30		382	02:02		372	1:10		385
zo	28-3				08:02	20		08:08	30		7:48	-75		08:42	20		8:30	30		09:02	20		8:23	2
zo	28-3			13:41		360	14:18		450	14:02		377	14:45		433	13:54		360	14:26		350	13:36		361
zo	28-3				20:18	28		20:24	39		20:08	-68		20:59	27		20:46	38		21:18	28		20:44	14
ma	29-3			01:54		380	02:31		473	2:15		397	02:56		453	2:07		380	02:39		370	1:52		381
ma	29-3				08:45	10		08:49	20		8:28	-85		09:25	10		9:13	20		09:45	10		9:12	-8
ma	29-3			14:16		359	14:57		447	14:41		375	15:24		431	14:29		359	15:01		349	14:19		358
ma	29-3				20:59	19		21:04	28		20:47	-80		21:41	15		21:27	29		21:59	19		20:17	8
di	30-3			02:32		383	03:09		476	2:53		401	03:35		457	2:45		383	03:17		373	2:35		381
di	30-3				09:25	10		09:28	10		9:05	-95		10:05	0		9:53	20		10:25	10		9:53	-8
di	30-3			14:56		363	15:33		451	15:17		380	16:01		436	15:09		363	15:41		353	15:03		360
di	30-3				21:38	10		21:43	14		21:24	-93		22:20	2		22:06	20		22:38	10		20:55	-5
wo	31-3			03:15		389	03:48		483	3:32		408	04:15		464	3:28		389	04:00		379	3:21		385
wo	31-3				10:02	10		10:07	0		9:43	-95		10:44	0		10:30	20		11:02	10		9:27	-8
wo	31-3			15:40		369	16:10		459	15:54		388	16:41		444	15:53		369	16:25		359	9:33		-8
wo	31-3				22:16	4		22:22	3		22:04	-95		22:59	0		22:44	14		23:16	4		10:26	-9

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		dag datum		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
tijd		fase		54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
do	1-4			04:02		390	04:30		485	4:14		411	04:58		467	4:15		390	04:47		380	4:08		388
do	1-4				10:37	10		10:45	0		10:24	-95		11:22	0		11:05	20		11:37	10		10:13	-18
do	1-4			16:25		371	16:50		463	16:34		392	17:22		448	16:38		371	17:10		361	16:30		369
do	1-4				22:54	3		23:03	2		22:46	-95		23:38	0		23:22	13		23:54	3		22:30	-18
vr	2-4			04:49		382	05:15		476	4:59		403	05:44		459	5:02		382	05:34		372	4:52		384
vr	2-4				11:13	20		11:25	20		11:08	-85		11:58	10		11:41	30		12:13	20		10:58	-18
vr	2-4			17:09		365	17:34		458	17:18		387	18:06		443	17:22		365	17:54		355	17:10		366
vr	2-4				23:33	10		23:45	14		23:33	-95		00:17	0		0:01	10		00:33	0		23:20	-16
za	3-4			05:35		365	06:05		456	5:49		344	00:17		0	0:01		20	00:33		10	5:36		371
za	3-4				11:50	30		12:07	40		11:57	-21	06:34		439	5:48		365	06:20		355		11:46	2
za	3-4			17:51		352	18:22		442	18:06		333	12:37		35	12:18		45	12:50		35	17:51		355
za	3-4	20:39	EK		00:17	20		00:32	30		0:26	-75	18:54		428	18:04		352	18:36		342		0:14	-8
zo	4-4				00:17	20		00:32	30		0:26	-75	01:00		20	0:45		30	01:17		20		0:14	-8
zo	4-4			06:23		342	07:03		429	6:47		358	07:33		414	6:36		342	07:08		332	6:24		349
zo	4-4				12:33	56		12:55	73		12:56	-33	13:23		62	13:01		66	13:33		56		12:40	27
zo	4-4			18:36		337	19:21		422	19:05		353	19:54		409	18:49		337	19:21		327	18:41		340
ma	5-4				01:12	40		01:29	60		1:32	-45	01:57		50	1:40		50	02:12		40		1:16	12
ma	5-4			07:27		322	08:15		408	7:59		338	08:44		394	7:40		322	08:12		312	7:20		326
ma	5-4				13:34	78		14:02	100		14:11	-7	14:30		88	14:02		88	14:34		78		13:46	49
ma	5-4			19:49		325	20:39		409	20:23		342	21:10		398	20:02		325	20:34		315	19:43		325
di	6-4				02:58	50		02:49	80		2:50	-35	03:22		60	3:26		60	03:58		50		2:29	32
di	6-4			09:00		315	09:33		405	9:17		335	10:03		391	9:13		315	09:45		305	8:36		311
di	6-4				15:36	80		15:32	106		15:31	-2	16:05		93	16:04		90	16:36		80		15:02	61
di	6-4			21:33		330	22:01		416	21:45		349	22:31		405	21:46		330	22:18		320	21:23		323
wo	7-4				04:21	40		04:17	70		4:09	-35	04:47		60	4:49		50	05:21		40		3:50	32
wo	7-4			10:31		329	10:50		421	10:34		350	11:23		406	10:44		329	11:16		319	10:31		320
wo	7-4				16:54	62		16:55	86		16:47	-21	17:26		74	17:22		72	17:54		62		16:27	55
wo	7-4			22:58		352	23:16		440	23:00		370	23:45		426	23:11		352	23:43		342	23:06		345
do	8-4				05:37	30		05:34	50		5:23	-65	06:05		30	6:05		40	06:37		30		5:16	22
do	8-4			11:40		353	12:02		446	11:46		374	12:32		430	11:53		353	12:25		343	11:46		347
do	8-4				18:05	40		18:08	59		5:57	-48	18:40		47	18:33		50	19:05		40		18:25	35
do	8-4			00:00		375	00:24		465	0:08		391	00:48		447	0:13		375	00:45		365	0:09		373
vr	9-4			00:00		375	00:24		465	0:08		391	00:48		447	0:13		375	00:45		365	0:09		373
vr	9-4				06:41	10		06:40	30		6:28	-85	07:13		10	7:09		20	07:41		10		7:05	2
vr	9-4			12:33		371	13:05		465	12:49		390	13:29		446	12:46		371	13:18		361	12:39		370
vr	9-4				19:02	27		19:08	39		18:56	-66	19:40		29	19:30		37	20:02		27		19:27	16

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		dag datum		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
tijd fase				54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
za	10-4			00:49		386	01:20		476	1:04		400	01:41		456	1:02		386	01:34		376	0:57		388
za	10-4				07:31	10		07:35	20		7:21	-85		08:07	10		7:59	20		08:31	10		7:54	2
za	10-4			13:17		377	13:55		469	13:39		392	14:15		448	13:30		377	14:02		367	13:21		380
za	10-4				19:48	26		19:57	35		19:44	-69		20:29	26		20:16	36		20:48	26		20:12	10
zo	11-4			01:29		384	02:06		472	1:50		394	02:25		450	1:42		384	02:14		374	1:36		388
zo	11-4	8:08	VM		08:12	20		08:19	30		8:04	-75		08:50	20		8:40	30		09:12	20		8:29	2
zo	11-4			13:50		374	14:34		460	14:18		384	14:53		440	14:03		374	14:35		364	13:56		380
zo	11-4				20:26	34		20:37	42		20:22	-62		21:09	33		20:54	44		21:26	34		20:47	13
ma	12-4			02:01		377	02:42		460	2:26		384	03:01		440	2:14		377	02:46		367	2:10		379
ma	12-4				08:44	30		08:54	40		8:36	-65		09:26	30		9:12	40		09:44	30		8:46	12
ma	12-4			14:18		372	15:02		454	14:46		380	15:22		436	14:31		372	15:03		362	14:27		377
ma	12-4				20:55	39		21:08	46		20:49	-57		21:41	38		21:23	49		21:55	39		21:07	16
di	13-4			02:30		373	03:09		454	2:53		379	03:31		435	2:43		373	03:15		363	2:40		372
di	13-4				09:09	30		09:22	40		9:00	-65		09:55	30		9:37	40		10:09	30		8:58	12
di	13-4			14:46		377	15:24		459	15:08		387	15:48		443	14:59		377	15:31		367	14:55		378
di	13-4				21:21	35		21:35	41		21:13	-63		22:08	32		21:49	45		22:21	35		21:12	11
wo	14-4			02:59		374	03:35		458	3:19		383	04:01		439	3:12		374	03:44		364	3:06		371
wo	14-4				09:35	30		09:48	30		9:27	-75		10:22	20		10:03	40		10:35	30		9:20	2
wo	14-4			15:19		384	15:51		473	15:35		399	16:18		455	15:32		384	16:04		374	15:23		382
wo	14-4				21:51	30		22:04	31		21:42	-74		22:37	21		22:19	40		22:51	30		21:34	3
do	15-4			03:33		376	04:06		465	3:50		389	04:33		445	3:46		376	04:18		366	3:32		374
do	15-4				10:06	30		10:17	30		10:00	-75		10:51	20		10:34	40		11:06	30		9:46	2
do	15-4			15:54		387	16:26		482	16:10		406	16:53		462	16:07		387	16:39		377	15:50		386
do	15-4				22:24	33		22:35	31		22:18	-74		23:07	21		22:52	43		23:24	33		22:04	2
vr	16-4			04:09		374	04:42		465	4:26		388	05:09		444	4:22		374	04:54		364	4:00		374
vr	16-4				10:37	40		10:48	40		10:35	-65		11:21	30		11:05	50		11:37	40		10:15	12
vr	16-4			16:28		383	17:01		479	16:45		403	17:29		459	16:41		383	17:13		373	16:17		384
vr	16-4				22:58	47		23:08	45		22:53	-60		23:39	35		23:26	57		23:58	47		22:36	14
za	17-4			04:43		365	05:17		455	5:01		379	05:44		435	4:56		365	05:28		355	4:31		369
za	17-4				11:08	60		11:18	60		11:10	-45		11:49	50		11:36	70		12:08	60		10:46	32
za	17-4			16:59		376	17:35		469	17:19		393	18:03		449	17:12		376	17:44		366	16:43		378
za	17-4				23:32	67		23:39	68		23:28	-45		00:10	50		0:00	70		00:32	60		23:09	35
zo	18-4			05:18		354	05:53		440	5:37		327	06:10		422	5:31		354	06:03		344	5:03		358
zo	18-4				11:39	80		11:48	90		11:45	21	06:19		422	5:31		354	06:03		344	11:20		52
zo	18-4			17:31		370	18:09		458	17:53		346	18:38		441	17:44		370	18:16		360	17:13		371
zo	18-4				00:09	80		00:14	80		0:04	-25	18:38		441	17:44		370	18:16		360	23:45		58

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West			
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E						
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	
ma	19-4				00:09	80		00:14	80		0:04	-25		00:45	70		0:37	90		01:09	80		5:40		346
ma	19-4	11:57	LK	06:02		344	06:32		427	6:16		356	07:00		412	6:15		344	06:47		334		11:59		72
ma	19-4				12:18	105		12:25	111		12:25	-2		12:56	93		12:46	115		13:18	105		17:54		363
ma	19-4			18:20		366	18:50		451	18:34		380	19:20		436	18:33		366	19:05		356		0:33		72
di	20-4				00:57	90		00:57	100		0:50	-15		01:29	80		1:25	100		01:57	90		0:33		72
di	20-4			07:02		339	07:22		418	7:06		350	07:54		406	7:15		339	07:47		329		6:52		334
di	20-4				13:13	114		13:15	125		13:17	11		13:47	106		13:41	124		14:13	114		12:53		100
di	20-4			19:26		366	19:45		447	19:29		379	20:18		435	19:39		366	20:11		356		19:30		358
wo	21-4				01:58	90		01:57	110		1:49	-5		02:28	90		2:26	100		02:58	90		1:52		82
wo	21-4			08:09		342	08:26		417	8:10		351	09:01		407	8:22		342	08:54		332		8:24		337
wo	21-4				14:18	112		14:23	131		14:25	19		14:53	114		14:46	122		15:18	112		14:19		105
wo	21-4			20:35		372	20:56		448	20:40		383	21:32		439	20:48		372	21:20		362		20:53		368
do	22-4				03:07	80		03:16	100		3:03	-5		03:44	90		3:35	90		04:07	80		3:26		72
do	22-4			09:18		351	09:42		425	9:26		359	10:15		415	9:31		351	10:03		341		9:30		350
do	22-4				15:30	98		15:49	120		15:43	11		16:15	106		15:58	108		16:30	98		15:47		85
do	22-4			21:45		381	22:16		458	22:00		391	22:48		447	21:58		381	22:30		371		21:57		382
vr	23-4				04:23	60		04:42	80		4:22	-25		05:10	70		4:51	70		05:23	60		4:34		42
vr	23-4			10:28		362	11:01		441	10:45		370	11:30		426	10:41		362	11:13		352		10:31		363
vr	23-4				16:49	77		17:10	92		16:58	-14		17:39	81		17:17	87		17:49	77		16:52		56
vr	23-4			22:53		388	23:28		471	23:12		399	23:57		455	23:06		388	23:38		378		22:56		391
za	24-4				05:37	40		05:50	50		5:31	-55		06:21	40		6:05	50		06:37	40		5:32		22
za	24-4			11:33		368	12:07		454	11:51		380	12:37		436	11:46		368	12:18		358		11:28		370
za	24-4				18:03	54		18:14	65		6:01	-39		18:46	56		18:31	64		19:03	54		17:48		35
za	24-4			23:54		390	00:27		479	0:11		402	00:55		458	0:07		390	00:39		380		23:50		392
zo	25-4				06:38	20		00:27	479	0:11		402	00:55		458	0:07		390	00:39		380		23:50		392
zo	25-4			12:28		369		06:45	30		6:28	-75		07:18	20		7:06	30		07:38	20		6:31		2
zo	25-4				19:01	37	13:01		458	12:45		382	13:30		438	12:41		369	13:13		359		12:20		369
zo	25-4			00:44		387		19:07	48		18:53	-56		19:41	39		19:29	47		20:01	37		18:38		23
ma	26-4			00:44		387	01:17		479	1:01		400	01:45		456	0:57		387	01:29		377		0:37		388
ma	26-4				07:31	10		07:34	20		7:16	-85		08:10	10		7:59	20		08:31	10		7:53		2
ma	26-4	14:16	NM	13:13		367	13:47		457	13:31		381	14:16		437	13:26		367	13:58		357		13:06		366
ma	26-4				19:50	26		19:54	36		19:38	-68		20:30	27		20:18	36		20:50	26		19:09		16
di	27-4			01:27		386	02:02		479	1:46		400	02:30		456	1:40		386	02:12		376		1:22		385
di	27-4				08:18	10		08:19	10		7:59	-95		08:56	0		8:46	20		09:18	10		7:33		2
di	27-4			13:52		369	14:29		458	14:13		383	14:57		439	14:05		369	14:37		359		7:39		-18
di	27-4				20:35	17		20:38	22		20:21	-82		21:16	13		21:03	27		21:35	17		8:47		1

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
dag datum		tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	28-4			02:09		389	02:46		482	2:30		403	03:13		459	2:22		389	02:54		379	2:08		385
wo	28-4		maan		09:00	10	09:02	10		8:42	-95		09:41	0		9:28	20		10:00	10		8:11	-8	
wo	28-4			14:34		375	15:10		465	14:54		391	15:39		447	14:47		375	15:19		365	8:27		-1
wo	28-4				21:18	8	21:21	6		21:04	-95		22:00	0		21:46	18		22:18	8		9:31	-5	
do	29-4			02:56		392	03:31		486	3:15		407	03:59		463	3:09		392	03:41		382	3:00		388
do	29-4				09:40	10	09:44	0		9:25	-95		10:23	0		10:08	20		10:40	10		9:03	-8	
do	29-4			15:20		383	15:52		474	15:36		400	16:22		456	15:33		383	16:05		373	9:09		-8
do	29-4				21:59	1	22:04	0		21:49	-105		22:43	-10		22:27	11		22:59	1		10:09	-10	
vr	30-4			03:46		391	04:18		484	4:02		406	04:46		462	3:59		391	04:31		381	3:52		388
vr	30-4				10:18	10	10:27	0		10:11	-95		11:04	0		10:46	20		11:18	10		10:31	-18	
vr	30-4			16:08		386	16:36		477	16:20		404	17:06		460	16:21		386	16:53		376	16:14		382
vr	30-4				22:40	2	22:48	0		22:35	-105		23:26	-10		23:08	12		23:40	2		22:34	-18	



getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		dag datum		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
tijd		fase		54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
za	1-5			04:36		381	05:06		472	4:50		396	05:35		452	4:49		381	05:21		371	4:41		381
za	1-5				10:55	20		11:09	20		10:58	-85		11:44	10		11:23	30		11:55	20		10:50	-8
za	1-5			16:56		381	17:22		472	17:06		399	17:52		455	17:09		381	17:41		371	16:57		378
za	1-5				23:22	12		23:33	10		23:24	-95		00:08	0		23:50	20		00:22	10		23:15	-17
zo	2-5			05:27		364	05:58		451	5:42		377		00:08	0		23:50	20		00:22	10	5:27		365
zo	2-5				11:33	30		11:52	40		11:48	-57	06:27		433	5:40		364	06:12		354		11:32	2
zo	2-5			17:42		369	18:11		458	17:55		387		12:24	38		12:01	49		12:33	39	17:37		369
zo	2-5				00:09	30		00:21	30		0:17	-75	18:42		443	17:55		369	18:27		359		0:02	-8
ma	3-5	4:47	EK		00:09	30		00:21	30		0:17	-75		00:53	20		0:37	40		01:09	30		0:02	-8
ma	3-5			06:21		344	06:55		430	6:39		358	07:25		414	6:34		344	07:06		334	6:12		345
ma	3-5				12:16	59		12:41	72		12:46	-31		13:11	64		12:44	69		13:16	59		12:22	29
ma	3-5			18:33		357	19:09		443	18:53		373	19:41		429	18:46		357	19:18		347	18:23		356
di	4-5				01:14	50		01:18	50		1:18	-45		01:50	50		1:42	60		02:14	50		0:58	12
di	4-5			07:26		329	07:59		415	7:43		346	08:31		402	7:39		329	08:11		319	7:06		327
di	4-5				13:24	79		13:44	95		13:52	-9		14:16	86		13:52	89		14:24	79		13:21	50
di	4-5			19:44		349	20:18		435	20:02		367	20:51		423	19:57		349	20:29		339	19:23		346
wo	5-5				02:42	50		02:31	70		2:27	-35		03:05	60		3:10	60		03:42	50		2:06	32
wo	5-5			08:42		328	09:09		415	8:53		347	09:43		403	8:55		328	09:27		318	8:31		320
wo	5-5				15:08	80		15:04	101		15:05	-5		15:39	90		15:36	90		16:08	80		14:35	61
wo	5-5			21:08		354	21:33		441	21:17		374	22:07		430	21:21		354	21:53		344	21:05		346
do	6-5				03:52	40		03:49	60		3:41	-45		04:21	50		4:20	50		04:52	40		3:25	32
do	6-5			10:01		341	10:21		429	10:05		361	10:57		417	10:14		341	10:46		331	10:03		333
do	6-5				16:20	66		16:22	88		16:17	-19		16:55	76		16:48	76		17:20	66		15:58	57
do	6-5			22:26		370	22:46		457	22:30		389	23:19		445	22:39		370	23:11		360	22:34		364
vr	7-5				05:00	30		05:01	50		4:53	-55		05:32	40		5:28	40		06:00	30		4:42	22
vr	7-5			11:09		361	11:32		449	11:16		380	12:06		436	11:22		361	11:54		351	11:12		357
vr	7-5				17:29	49		17:33	67		17:26	-39		18:06	56		17:57	59		18:29	49		17:24	41
vr	7-5			23:29		385	23:53		472	23:37		400	00:23		456	23:42		385	00:14		375	23:37		383
za	8-5				06:05	20		06:06	30		5:57	-36	00:23		456	23:42		385	00:14		375		5:50	12
za	8-5			12:03		374	12:34		463	12:18		390		06:38	20		6:33	30		07:05	20	12:06		375
za	8-5				18:30	37		18:35	50		18:15	-16	13:03		446	12:16		374	12:48		364		18:47	26
za	8-5			00:19		387	00:51		475	0:35		399		19:08	40		18:58	47		19:30	37	0:25		389
zo	9-5			00:19		387	00:51		475	0:35		399	01:17		455	0:32		387	01:04		377	0:25		389
zo	9-5				06:58	20		07:01	30		6:51	-75		07:33	20		7:26	30		07:58	20		6:52	2
zo	9-5			12:46		377	13:23		464	13:07		388	13:49		444	12:59		377	13:31		367	12:48		381
zo	9-5				19:19	35		19:25	45		19:13	-59		19:59	36		19:47	45		20:19	35		19:36	19

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West			
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E						
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	
ma	10-5			00:58		380	01:36		464	1:20		387	02:00		443	1:11		380	01:43		370	1:04		383	
ma	10-5				07:39	30		07:45	30		7:31	-75		08:17	20		8:07	40		08:39	30		7:24	12	
ma	10-5			13:18		374	13:59		457	13:43		382	14:23		438	13:31		374	14:03		364	13:21		379	
ma	10-5	23:43	VM		19:57	40		20:05	47		19:48	-56		20:38	39		20:25	50		20:57	40		20:04	19	
di	11-5			01:30		371	02:10		452	1:54		376	02:33		432	1:43		371	02:15		361	1:36		373	
di	11-5				08:11	40		08:20	40		8:01	-65		08:53	30		8:39	50		09:11	40		7:51	12	
di	11-5			13:45		376	14:24		457	14:08		384	14:49		440	13:58		376	14:30		366	13:51		379	
di	11-5				20:27	43		20:37	46		20:14	-57		21:11	38		20:55	53		21:27	43		20:12	17	
wo	12-5			01:58		371	02:37		452	2:21		377	03:03		433	2:11		371	02:43		361	2:04		370	
wo	12-5				08:37	40		08:50	40		8:27	-65		09:24	30		9:05	50		09:37	40		8:20	2	
wo	12-5			14:15		386	14:50		471	14:34		399	15:17		455	14:28		386	15:00		376	14:20		386	
wo	12-5				20:54	38		21:07	37		20:42	-66		21:41	29		21:22	48		21:54	38		20:38	10	
do	13-5			02:30		377	03:06		463	2:50		388	03:35		444	2:43		377	03:15		367	2:33		375	
do	13-5				09:06	30		09:19	30		8:59	-75		09:54	20		9:34	40		10:06	30		8:51	2	
do	13-5			14:51		397	15:24		488	15:08		415	15:53		471	15:04		397	15:36		387	14:53		396	
do	13-5				21:26	34		21:39	29		21:17	-74		22:13	21		21:54	44		22:26	34		21:10	4	
vr	14-5			03:08		383	03:43		474	3:27		397	04:12		453	3:21		383	03:53		373	3:07		382	
vr	14-5				09:39	30		09:52	30		9:36	-75		10:27	20		10:07	40		10:39	30		9:23	2	
vr	14-5			15:30		403	16:02		497	15:46		423	16:31		479	15:43		403	16:15		393	15:28		402	
vr	14-5				22:02	40		22:14	33		21:56	-69		22:47	26		22:30	50		23:02	40		21:46	10	
za	15-5			03:49		383	04:22		473	4:06		396	04:50		452	4:02		383	04:34		373	3:44		382	
za	15-5				10:13	50		10:26	50		10:15	-55		10:59	40		10:41	60		11:13	50		9:56	22	
za	15-5			16:09		401	16:40		494	16:24		418	17:09		474	16:22		401	16:54		391	16:03		400	
za	15-5				22:38	55		22:48	51		22:33	-51		23:21	44		23:06	65		23:38	55		22:20	26	
zo	16-5			04:29		374	04:58		461	4:42		385	05:27		441	4:42		374	05:14		364	4:21		374	
zo	16-5				10:46	70		10:57	70		10:50	-35		11:29	60		11:14	80		11:46	70		10:26	42	
zo	16-5			16:45		393	17:14		483	16:58		408	17:42		464	16:58		393	17:30		383	16:33		392	
zo	16-5				23:13	73		23:20	74		23:07	-30		23:52	65		23:41	10		00:13	0		22:51	47	
ma	17-5			05:08		362	05:33		445	5:17		371	06:02		427		23:41	80		00:13	70		4:55	361	
ma	17-5				11:19	90		11:28	90		11:24	-15		11:58	80		5:21	362		05:53	352		10:57	62	
ma	17-5			17:20		386	17:47		473	17:31		401	18:15		457		11:47	102		12:19	92		17:01	384	
ma	17-5				23:51	85		23:54	88		23:42	-25		00:25	70		17:33	386		18:05	376		23:24	61	
di	18-5			05:49		352	06:10		433	5:54		323		00:25	70			0:19	90		00:51	80		5:29	350
di	18-5				11:59	100		12:03	100		12:02	-25		06:40	418		6:02	352		06:34	342		11:33	72	
di	18-5			18:02		383	18:26		469	18:10		362		12:33	89		12:27	111		12:59	101		17:35	380	
di	18-5				00:36	80		00:35	90		0:25	-25		18:55	454		18:15	383		18:47	373		0:07	62	

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	19-5	2:33	LK		00:36	80		00:35	90		0:25	-25		01:06	70		1:04	90		01:36	80		0:07	62
wo	19-5			06:39		348	06:56		428	6:40		358	07:29		414	6:52		348	07:24		338	6:28		344
wo	19-5				12:49	102		12:49	107		12:50	-5		13:20	90		13:17	112		13:49	102		12:22	87
wo	19-5			18:57		383	19:16		468	19:00		397	19:48		453	19:10		383	19:42		373	18:43		377
do	20-5				01:31	80		01:29	80		1:19	-25		02:00	70		1:59	90		02:31	80		1:11	62
do	20-5			07:38		351	07:55		429	7:39		359	08:31		415	7:51		351	08:23		341	7:49		347
do	20-5				13:50	95		13:50	106		13:51	-5		14:20	90		14:18	105		14:50	95		13:38	86
do	20-5			19:59		385	20:20		467	20:04		397	20:53		453	20:12		385	20:44		375	20:11		380
vr	21-5				02:34	60		02:38	80		2:26	-35		03:06	60		3:02	70		03:34	60		2:38	52
vr	21-5			08:41		357	09:05		435	8:49		365	09:40		421	8:54		357	09:26		347	8:53		357
vr	21-5				14:55	84		15:05	100		15:03	-8		15:32	87		15:23	94		15:55	84		15:04	69
vr	21-5			21:03		389	21:33		470	21:17		398	22:04		454	21:16		389	21:48		379	21:16		389
za	22-5				03:44	50		03:56	60		3:40	-45		04:24	50		4:12	60		04:44	50		3:48	32
za	22-5			09:48		365	10:20		445	10:04		372	10:51		428	10:01		365	10:33		355	9:53		367
za	22-5				16:09	70		16:24	83		16:16	-21		16:52	74		16:37	80		17:09	70		16:11	47
za	22-5			22:09		392	22:45		477	22:29		401	23:14		457	22:22		392	22:54		382	22:16		394
zo	23-5				04:56	40		05:07	40		4:50	-65		05:37	30		5:24	50		05:56	40		4:46	12
zo	23-5			10:53		371	11:28		455	11:12		379	11:57		435	11:06		371	11:38		361	10:51		372
zo	23-5				17:24	54		17:33	62		17:22	-39		18:04	56		17:52	64		18:24	54		17:07	31
zo	23-5			23:12		393	23:49		481	23:33		401	00:16		457	23:25		393	23:57		383	23:12		394
ma	24-5				06:02	20		06:07	20		5:51	-36		00:16	457		6:30	30		07:02	20		5:38	2
ma	24-5			11:52		373	12:25		461	12:09		401	06:39		457	12:05		373	12:37		363	11:45		373
ma	24-5				18:27	40		18:32	46		6:18	-55		12:55	439		18:55	50		19:27	40		17:57	22
ma	24-5			00:08		391	00:44		483	0:28		402	19:06		40	0:21		391	00:53		381	0:04		391
di	25-5			00:08		391	00:44		483	0:28		402	01:13		458	0:21		391	00:53		381	0:04		391
di	25-5				06:58	20		07:01	20		6:44	-85		07:36	10		7:26	30		07:58	20		6:23	2
di	25-5			12:42		375	13:16		464	13:00		387	13:45		443	12:55		375	13:27		365	12:35		372
di	25-5	21:44	NM		19:22	30		19:24	32		19:10	-69		20:01	26		19:50	40		20:22	30		18:41	15
wo	26-5			00:59		390	01:36		484	1:20		403	02:04		459	1:12		390	01:44		380	0:54		388
wo	26-5				07:49	20		07:51	10		7:33	-85		08:28	10		8:17	30		08:49	20		7:06	2
wo	26-5			13:27		378	14:03		468	13:47		393	14:32		449	13:40		378	14:12		368	7:26		7
wo	26-5				20:12	20		20:14	17		19:58	-84		20:53	11		20:40	30		21:12	20		8:16	5
do	27-5			01:48		391	02:26		484	2:10		405	02:55		461	2:01		391	02:33		381	1:47		388
do	27-5				08:36	10		08:39	10		8:22	-95		09:18	0		9:04	20		09:36	10		7:57	2
do	27-5			14:14		385	14:50		476	14:34		401	15:18		457	14:27		385	14:59		375	8:01		2
do	27-5				21:00	10		21:02	3		20:48	405		21:43	0		21:28	20		22:00	10		9:07	-1

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
dag datum		maan	tijd fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
				54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
vr	28-5			02:40		391	03:18		484	3:02		-95	03:46		461	2:53		391	03:25		381	2:45		387
vr	28-5				09:21	10		09:26	0		9:11	408		10:06	0		9:49	20		10:21	10		9:51	-8
vr	28-5			15:03		392	15:37		482	15:21		408	16:06		464	15:16		392	15:48		382	15:12		387
vr	28-5				21:47	4		21:50	0		21:37	-105		22:31	-10		22:15	14		22:47	4		22:13	-18
za	29-5			03:34		388	04:10		478	3:54		401	04:37		457	3:47		388	04:19		378	3:44		385
za	29-5				10:04	20		10:13	10		10:01	-95		10:52	0		10:32	30		11:04	20		10:31	-8
za	29-5			15:54		395	16:25		484	16:09		410	16:53		466	16:07		395	16:39		385	16:04		390
za	29-5				22:33	6		22:38	0		22:27	-95		23:17	0		23:01	16		23:33	6		22:49	-18
zo	30-5			04:27		379	05:01		466	4:45		390	05:28		446	4:40		379	05:12		369	4:37		377
zo	30-5				10:46	30		10:58	20		10:51	-75		11:35	20		11:14	40		11:46	30		10:59	2
zo	30-5			16:44		392	17:13		479	16:57		405	17:40		461	16:57		392	17:29		382	16:50		387
zo	30-5				23:20	18		23:24	14		23:16	-85		00:02	10		23:48	20		00:20	10		23:14	-10
ma	31-5			05:19		366	05:51		450	5:35		-85	00:02		10		23:48	20		00:20	10		5:24	363
ma	31-5				11:28	40		11:42	40		11:40	376	06:18		432	5:32		366	06:04		356		11:24	12
ma	31-5			17:32		384	18:01		469	17:45		-51		12:17	44		11:56	56		12:28	46		17:29	379
ma	31-5				00:10	30		00:12	30		0:05	397	18:29		453	17:45		384	18:17		374		23:49	6

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West			
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E						
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	
di	1-6				00:10	30		00:12	30		0:05	-65		00:47	30		0:38	40		01:10	30		6:06		348
di	1-6			06:11		352	06:42		435	6:26		364	07:11		420	6:24		352	06:56		342		12:03		32
di	1-6	14:42	EK		12:14	64		12:29	68		12:15	-31		13:02	64		12:42	74		13:14	64		18:07		372
di	1-6			17:33		348	18:20		431	18:04		361	19:20		417	6:24		352	06:56		342		0:35		22
wo	2-6				01:09	50		01:03	50		0:42	-45		01:38	50		1:37	60		02:09	50		0:35		22
wo	2-6			07:08		343	07:36		426	7:20		358	08:08		414	7:21		343	07:53		333		6:52		338
wo	2-6				13:17	77		13:23	84		13:28	-17		13:57	78		13:45	87		14:17	77		12:55		48
wo	2-6			19:22		370	19:52		456	19:36		387	20:25		443	19:35		370	20:07		360		18:59		366
do	3-6				02:12	50		02:04	60		1:58	-45		02:39	50		2:40	60		03:12	50		1:34		32
do	3-6			08:12		342	08:36		426	8:20		359	09:11		415	8:25		342	08:57		332		8:01		336
do	3-6				14:31	79		14:29	91		14:31	-12		15:04	83		14:59	89		15:31	79		14:00		57
do	3-6			20:32		371	20:58		457	20:42		389	21:34		445	20:45		371	21:17		361		20:23		364
vr	4-6				03:13	50		03:10	60		3:04	-45		03:44	50		3:41	60		04:13	50		2:46		32
vr	4-6			09:19		350	09:42		434	9:26		366	10:19		422	9:32		350	10:04		340		9:22		345
vr	4-6				15:38	71		15:39	86		15:38	-18		16:13	77		16:06	81		16:38	71		15:16		55
vr	4-6			21:42		376	22:06		461	21:50		393	22:42		449	21:55		376	22:27		366		21:51		371
za	5-6				04:14	40		04:18	50		4:11	-55		04:49	40		4:42	50		05:14	40		3:59		22
za	5-6			10:24		361	10:49		445	10:33		376	11:26		432	10:37		361	11:09		351		10:29		361
za	5-6				16:43	60		16:49	74		16:45	-30		17:21	65		17:11	70		17:43	60		16:32		44
za	5-6			22:46		379	23:13		464	22:57		393	23:47		449	22:59		379	23:31		369		22:56		379
zo	6-6				05:16	30		05:22	40		5:16	-65		05:53	30		5:44	40		06:16	30		5:02		12
zo	6-6			11:21		370	11:52		453	11:36		381	12:26		437	11:34		370	12:06		360		11:25		373
zo	6-6				17:49	50		17:53	61		17:47	-43		18:26	52		18:17	60		18:49	50		17:39		32
zo	6-6			23:40		377	00:14		460	23:58		387	00:45		443	23:53		377	00:25		367		23:49		379
ma	7-6				06:15	30		06:14	460	23:58		387	00:45		443	23:53		377	00:25		367		23:49		379
ma	7-6			12:07		373		06:19	40		18:12	-65		06:51	30		6:43	40		07:15	30		5:58		12
ma	7-6				18:44	45	12:43		455	12:27		381	13:13		437	12:20		373	12:52		363		12:10		377
ma	7-6			00:24		370		18:48	54		18:36	-50		19:21	45		19:12	55		19:44	45		18:36		26
di	8-6			00:24		370	01:02		452	0:46		376	01:30		432	0:37		370	01:09		360		0:30		372
di	8-6				07:02	40		07:07	40		6:55	-65		07:40	30		7:30	50		08:02	40		6:43		12
di	8-6			12:44		375	13:21		455	13:05		380	13:48		436	12:57		375	13:29		365		12:47		377
di	8-6				19:26	47		19:31	52		19:13	-52		20:05	43		19:54	57		20:26	47		19:11		25
wo	9-6			00:59		366	01:38		446	1:22		371	02:05		427	1:12		366	01:44		356		1:04		366
wo	9-6				07:38	40		07:46	50		7:28	-55		08:20	40		8:06	50		08:38	40		7:19		12
wo	9-6	15:10	VM	13:16		382	13:51		462	13:35		390	14:17		446	13:29		382	14:01		372		13:19		382
wo	9-6				20:00	50		20:08	49		19:44	-54		20:42	41		20:28	60		21:00	50		19:39		22

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		dag datum tijd fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
				54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
do	10-6			01:31		370	02:09		451	1:53		378	02:36		434	1:44		370	02:16		360	1:33		369
do	10-6				08:10	50		08:21	40		8:00	-65		08:55	30		8:38	60		09:10	50		7:51	12
do	10-6			13:49		394	14:23		478	14:07		408	14:51		464	14:02		394	14:34		384	13:50		393
do	10-6				20:32	48		20:42	43		20:16	-60		21:17	35		21:00	58		21:32	48		20:11	18
vr	11-6			02:05		380	02:42		465	2:26		392	03:12		448	2:18		380	02:50		370	2:04		379
vr	11-6				08:42	50		08:55	40		8:35	-65		09:31	30		9:10	60		09:42	50		8:24	12
vr	11-6			14:26		407	15:01		496	14:45		425	15:30		481	14:39		407	15:11		397	14:25		407
vr	11-6				21:06	47		21:18	38		20:55	-64		21:53	31		21:34	57		22:06	47		20:48	15
za	12-6			02:44		389	03:21		476	3:05		402	03:52		458	2:57		389	03:29		379	2:41		388
za	12-6				09:17	50		09:31	40		9:15	-65		10:07	30		9:45	60		10:17	50		9:01	22
za	12-6			15:06		415	15:41		504	15:25		431	16:10		487	15:19		415	15:51		405	15:04		415
za	12-6				21:43	51		21:55	43		21:35	-59		22:30	36		22:11	61		22:43	51		21:28	20
zo	13-6			03:27		389	04:01		475	3:45		400	04:32		456	3:40		389	04:12		379	3:25		389
zo	13-6				09:52	60		10:07	50		9:53	-45		10:42	50		10:20	70		10:52	60		9:37	32
zo	13-6			15:46		413	16:18		500	16:02		426	16:48		482	15:59		413	16:31		403	15:44		413
zo	13-6				22:20	61		22:31	57		22:12	-45		23:05	50		22:48	71		23:20	61		22:07	33
ma	14-6			04:10		381	04:39		462	4:23		388	05:09		444	4:23		381	04:55		371	4:09		380
ma	14-6				10:26	70		10:40	70		10:29	-35		11:13	60		10:54	80		11:26	70		10:10	52
ma	14-6			16:25		405	16:52		489	16:36		417	17:21		473	16:38		405	17:10		395	16:20		404
ma	14-6				22:55	71		23:04	72		22:46	-30		23:38	65		23:23	81		23:55	71		22:39	47
di	15-6			04:50		369	05:13		447	4:57		375	05:43		431	5:03		369	05:35		359	4:48		366
di	15-6				11:01	80		11:11	90		11:03	-15		11:43	80		11:29	90		12:01	80		10:40	62
di	15-6			17:03		397	17:25		482	17:09		410	17:54		466	17:16		397	17:48		387	16:50		394
di	15-6				23:32	75		23:38	78		23:20	-95		00:10	0		0:00	10		00:32	0		23:08	53
wo	16-6			05:31		359	05:48		437	5:32		-35	00:10		60		0:00	80		00:32	70	5:24		355
wo	16-6				11:41	80		11:46	90		11:39	367	06:21		423	5:44		359	06:16		349		11:13	62
wo	16-6			17:43		392	18:03		480	17:47		-16	12:16		79		12:09	98		12:41	88	17:22		390
wo	16-6				00:15	70		00:16	70		0:00	408	18:32		464	17:56		392	18:28		382		23:46	50
do	17-6				00:15	70		00:16	70		0:00	408		00:47	60		0:43	80		01:15	70	6:09		351
do	17-6			06:15		355	06:30		435	6:14		364	07:05		420	6:28		355	07:00		345		11:58	62
do	17-6	13:33	LK		12:28	83		12:28	87		12:23	-23		12:59	72		12:56	93		13:28	83	18:14		388
do	17-6			18:30		391	18:49		479	18:33		407	19:20		463	18:43		391	19:15		381		0:40	-18
vr	18-6				01:04	60		01:04	60		0:50	-45		01:34	50		1:32	70		02:04	60		0:40	42
vr	18-6			07:05		355	07:23		435	7:07		363	08:00		419	7:18		355	07:50		345	7:11		353
vr	18-6				13:22	77		13:22	84		13:19	-26		13:52	69		13:50	87		14:22	77		13:02	62
vr	18-6			19:23		391	19:47		476	19:31		403	20:18		459	19:36		391	20:08		381	19:29		388

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		fase		54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
za	19-6				02:01	50		02:04	60		1:51	-45		02:33	50		2:29	60		03:01	50		1:52	32
za	19-6			08:02		358	08:27		436	8:11		364	09:02		420	8:15		358	08:47		348	8:13		359
za	19-6				14:22	72		14:27	84		14:24	-24		14:55	71		14:50	82		15:22	72		14:21	54
za	19-6			20:22		391	20:54		473	20:38		399	21:23		455	20:35		391	21:07		381	20:35		390
zo	20-6				03:06	50		03:15	60		3:00	-45		03:41	50		3:34	60		04:06	50		3:03	22
zo	20-6			09:03		362	09:38		439	9:22		367	10:09		423	9:16		362	09:48		352	9:12		364
zo	20-6				15:30	69		15:41	80		15:35	-25		16:08	70		15:58	79		16:30	69		15:30	43
zo	20-6			21:24		390	22:05		472	21:49		396	22:31		452	21:37		390	22:09		380	21:35		391
ma	21-6				04:18	50		04:27	50		4:10	-55		04:56	40		4:46	60		05:18	50		4:04	12
ma	21-6			10:07		365	10:48		445	10:32		370	11:16		426	10:20		365	10:52		355	10:10		368
ma	21-6				16:46	61		16:55	68		16:44	-34		17:25	61		17:14	71		17:46	61		16:30	33
ma	21-6			22:26		388	23:13		473	22:57		394	23:38		450	22:39		388	23:11		378	22:33		390
di	22-6				05:27	40		05:32	40		5:16	-65		06:03	30		5:55	50		06:27	40		5:00	12
di	22-6			11:11		369	11:52		453	11:36		377	12:20		433	11:24		369	11:56		359	11:07		369
di	22-6				17:56	50		18:00	52		5:48	-49		18:33	46		18:24	60		18:56	50		17:26	25
di	22-6			23:30		387	00:16		475	0:00		395	00:43		451	23:43		387	00:15		377	23:31		387
wo	23-6				06:28	30		00:16	475	0:00		395	00:43		451	23:43		387	00:15		377		5:54	12
wo	23-6			12:10		374		06:31	30		6:16	-75		07:06	20		6:56	40		07:28	30	12:04		373
wo	23-6				18:57	38	12:48		461	12:32		385	13:17		441	12:23		374	12:55		364		18:22	17
wo	23-6			00:33		386		19:00	36		18:45	-65		19:36	30		19:25	48		19:57	38	0:29		-18
do	24-6	4:31	NM	00:33		386	01:15		477	0:59		398	01:44		454	0:46		386	01:18		376	0:29		386
do	24-6				07:25	30		07:28	20		7:12	-75		08:05	20		7:53	40		08:25	30		6:50	12
do	24-6			13:05		381	13:42		469	13:26		395	14:10		451	13:18		381	13:50		371	13:01		378
do	24-6				19:54	26		19:56	20		19:41	-81		20:36	14		20:22	36		20:54	26		20:17	6
vr	25-6			01:34		386	02:13		478	1:57		401	02:41		457	1:47		386	02:19		376	1:31		386
vr	25-6				08:18	20		08:23	20		8:08	-85		09:02	10		8:46	30		09:18	20		8:43	2
vr	25-6			13:59		388	14:35		478	14:19		404	15:02		460	14:12		388	14:44		378	14:00		385
vr	25-6				20:49	16		20:51	9		20:36	-93		21:32	2		21:17	26		21:49	16		21:13	-9
za	26-6			02:32		387	03:10		478	2:54		401	03:36		457	2:45		387	03:17		377	2:36		386
za	26-6				09:09	20		09:15	10		9:03	-85		09:55	10		9:37	30		10:09	20		9:36	-8
za	26-6			14:52		395	15:28		483	15:12		408	15:52		464	15:05		395	15:37		385	15:01		392
za	26-6				21:41	12		21:43	5		21:30	-95		22:23	0		22:09	22		22:41	12		22:03	-15
zo	27-6			03:25		385	04:04		473	3:48		-75	04:29		451	3:38		385	04:10		375	3:37		384
zo	27-6				09:57	30		10:05	20		9:55	408		10:44	20		10:25	40		10:57	30		10:23	-8
zo	27-6			15:43		397	16:18		484	16:02		408	16:41		464	15:56		397	16:28		387	15:56		395
zo	27-6				22:29	16		22:32	12		22:20	-87		23:11	8		22:57	26		23:29	16		22:48	-10

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
dag datum		tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
ma	28-6			04:16		378	04:54		463	4:38		385	05:18		441	4:29		378	05:01		368	4:30		377
ma	28-6				10:41	30		10:50	30		10:43	-65		11:28	30		11:09	40		11:41	30		11:03	12
ma	28-6			16:31		396	17:04		480	16:48		403	17:27		459	16:44		396	17:16		386	16:43		391
ma	28-6				23:15	29		23:17	28		23:06	-70		23:54	25		23:43	10		00:15	0		23:18	6
di	29-6			05:05		369	05:40		450	5:24		374	06:04		430		23:43	30		00:15	20	5:15		365
di	29-6				11:24	50		11:32	50		11:28	-45		12:08	50	5:18		369	05:50		359		11:19	22
di	29-6			17:17		390	17:48		474	17:32		398	18:12		454		11:52	64		12:24	54	17:20		384
di	29-6				23:59	46		23:59	45		23:49	-55		00:34	40	17:30		390	18:02		380		23:31	23
wo	30-6			05:51		359	06:23		439	6:07		366		00:34	40		0:27	50		00:59	40	5:52		353
wo	30-6				12:05	60		12:13	60		12:11	-28	06:50		422	6:04		359	06:36		349		11:40	32
wo	30-6			18:02		383	18:32		469	18:16		394		12:46	67		12:33	78		13:05	68	17:47		378
wo	30-6				00:44	50		00:42	50		0:34	-45	18:59		450	18:15		383	18:47		373		0:07	32



getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan				54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
do	1-7	2:51	EK		00:44	50		00:42	50		0:34	-45		01:16	50		1:12	60		01:44	50		0:07	32
do	1-7			06:39		351	07:08		434	6:52		362	07:37		418	6:52		351	07:24		341	6:24		347
do	1-7				12:51	77		12:58	78		12:58	-20		13:29	75		13:19	87		13:51	77		12:22	48
do	1-7			18:50		377	19:21		464	19:05		390	19:52		446	19:03		377	19:35		367	18:26		375
vr	2-7				01:34	60		01:31	60		1:24	-35		02:03	60		2:02	70		02:34	60		0:55	32
vr	2-7			07:33		348	07:59		433	7:43		362	08:32		418	7:46		348	08:18		338	7:14		346
vr	2-7				13:47	81		13:51	84		1:52	-15		14:23	80		14:15	91		14:47	81		13:18	53
vr	2-7			19:49		371	20:18		459	20:02		386	20:53		442	20:02		371	20:34		361	19:30		368
za	3-7				02:30	60		02:28	70		2:21	-35		03:01	60		2:58	70		03:30	60		1:59	42
za	3-7			08:33		350	08:57		434	8:41		363	09:32		419	8:46		350	09:18		340	8:30		349
za	3-7				14:51	79		14:54	87		14:53	-14		15:26	81		15:19	89		15:51	79		14:28	56
za	3-7			20:55		367	21:22		453	21:06		381	21:58		437	21:08		367	21:40		357	20:59		364
zo	4-7				03:28	60		03:32	70		3:25	-35		04:04	60		3:56	70		04:28	60		3:14	42
zo	4-7			09:35		355	10:01		437	9:45		365	10:37		421	9:48		355	10:20		345	9:41		357
zo	4-7				15:57	72		16:03	84		15:59	-18		16:34	77		16:25	82		16:57	72		15:47	52
zo	4-7			22:00		365	22:30		447	22:14		374	23:05		430	22:13		365	22:45		355	22:11		365
ma	5-7				04:29	50		04:38	60		4:31	-35		05:08	60		4:57	60		05:29	50		4:25	32
ma	5-7			10:34		363	11:05		443	10:49		369	11:39		425	10:47		363	11:19		353	10:42		366
ma	5-7				17:03	65		17:11	76		17:04	-26		17:42	69		17:31	75		18:03	65		16:58	43
ma	5-7			22:59		363	23:35		444	23:19		370	00:08		426	23:12		363	23:44		353	23:10		365
di	6-7				05:31	50		05:40	60		5:33	370	00:08		426		5:59	60		06:31	50		5:26	32
di	6-7			11:27		370	12:03		450	11:47		-45		06:10	50	11:40		370	12:12		360	11:33		373
di	6-7				18:06	60		18:12	67		6:00	374	12:33		430		18:34	70		19:06	60		17:58	38
di	6-7			23:50		363	00:30		444	0:14		368		18:44	60	0:03		363	00:35		353	23:59		364
wo	7-7				06:27	50		00:30	444	0:14		368	01:00		424	0:03		363	00:35		353	23:59		364
wo	7-7			12:13		379		06:33	60		6:23	-45		07:05	50		6:55	60		07:27	50		6:17	32
wo	7-7				18:56	59	12:49		459	12:33		383	13:15		439	12:26		379	12:58		369	12:17		379
wo	7-7			00:33		366		19:02	62		18:44	-40		19:35	55		19:24	69		19:56	59		18:45	37
do	8-7			00:33		366	01:12		447	0:56		371	01:40		427	0:46		366	01:18		356	0:38		365
do	8-7				07:11	60		07:19	60		7:03	-45		07:52	50		7:39	70		08:11	60		6:58	32
do	8-7			12:53		390	13:27		472	13:11		398	13:52		454	13:06		390	13:38		380	12:54		388
do	8-7				19:37	61		19:44	58		19:21	-43		20:18	52		20:05	71		20:37	61		19:21	36
vr	9-7			01:12		373	01:48		456	1:32		381	02:16		437	1:25		373	01:57		363	1:11		372
vr	9-7	6:07	VM		07:49	60		07:58	50		7:40	-45		08:33	50		8:17	70		08:49	60		7:32	32
vr	9-7			13:31		402	14:04		487	13:48		415	14:31		471	13:44		402	14:16		392	13:28		402
vr	9-7				20:14	62		20:23	54		19:58	-46		20:58	49		20:42	72		21:14	62		19:55	33

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
za	10-7			01:48		382	02:25		467	2:09		393	02:55		449	2:01		382	02:33		372	1:44		382
za	10-7				08:25	60		08:36	50		8:18	-45		09:12	50		8:53	70		09:25	60		8:05	32
za	10-7			14:08		413	14:43		501	14:27		428	15:11		484	14:21		413	14:53		403	14:04		415
za	10-7				20:51	60		21:02	51		20:38	-49		21:37	46		21:19	70		21:51	60		20:34	30
zo	11-7			02:26		389	03:05		474	2:49		399	03:35		455	2:39		389	03:11		379	2:23		390
zo	11-7				09:01	60		09:14	50		8:58	-45		09:49	50		9:29	70		10:01	60		8:43	32
zo	11-7			14:45		418	15:23		505	15:07		431	15:51		487	14:58		418	15:30		408	14:44		421
zo	11-7				21:28	60		21:40	52		21:17	-48		22:15	47		21:56	70		22:28	60		21:16	30
ma	12-7			03:06		389	03:44		471	3:28		396	04:15		452	3:19		389	03:51		379	3:08		389
ma	12-7				09:36	60		09:51	60		9:35	-45		10:26	50		10:04	70		10:36	60		9:23	42
ma	12-7			15:24		416	15:59		501	15:43		425	16:28		481	15:37		416	16:09		406	15:27		417
ma	12-7				22:04	62		22:16	58		21:54	-42		22:51	53		22:32	72		23:04	62		21:58	34
di	13-7			03:48		382	04:21		460	4:05		385	04:52		441	4:01		382	04:33		372	3:56		381
di	13-7				10:10	70		10:25	70		10:10	-35		11:00	60		10:38	80		11:10	70		10:00	42
di	13-7			16:03		410	16:32		492	16:16		417	17:00		473	16:16		410	16:48		400	16:07		408
di	13-7				22:39	64		22:50	64		22:27	-36		23:25	59		23:07	74		23:39	64		22:31	40
wo	14-7			04:29		372	04:54		448	4:38		375	05:25		431	4:42		372	05:14		362	4:37		369
wo	14-7				10:45	70		10:57	70		10:43	-25		11:30	70		11:13	80		11:45	70		10:28	52
wo	14-7			16:42		403	17:05		488	16:49		413	17:33		469	16:55		403	17:27		393	16:42		399
wo	14-7				23:14	62		23:23	65		23:00	-35		23:56	60		23:52	70		00:14	60		22:56	41
do	15-7			05:09		364	05:28		442	5:12		369	06:01		425		23:52	70		00:14	60	5:13		359
do	15-7				11:24	60		11:31	70		11:19	-35		12:02	60		5:22	364	05:54		354		10:57	52
do	15-7			17:22		398	17:42		487	17:26		412	18:11		468		11:52	79		12:24	69	17:15		395
do	15-7				23:53	59		23:59	62		23:38	-45		00:30	50		17:35	398	18:07		388		23:27	36
vr	16-7			05:50		359	06:07		441	5:51		367	00:30		50		0:21	60		00:53	50	5:50		356
vr	16-7				12:06	60		12:10	70		12:00	-35	06:42		423	6:03		359	06:35		349		11:37	42
vr	16-7			18:04		396	18:26		486	18:10		410	12:40		60		12:34	75		13:06	65	17:56		394
vr	16-7	21:26	LK		00:38	50		00:42	60		0:24	-45	18:56		466	18:17		396	18:49		386		0:14	32
za	17-7				00:38	50		00:42	60		0:24	-45	01:11		50		1:06	60		01:38	50		0:14	32
za	17-7			06:33		357	06:54		439	6:38		365	07:30		421	6:46		357	07:18		347	6:36		357
za	17-7				12:54	64		12:56	70		12:49	-37		13:26	58		13:22	74		13:54	64		12:31	45
za	17-7			18:50		393	19:17		479	19:01		403	19:48		459	19:03		393	19:35		383	18:54		392
zo	18-7				01:30	50		01:33	60		1:17	-45		02:02	50		1:58	60		02:30	50		1:15	32
zo	18-7			07:21		356	07:50		435	7:34		361	08:27		417	7:34		356	08:06		346	7:33		357
zo	18-7				13:49	68		13:53	78		13:48	-29		14:22	66		14:17	78		14:49	68		13:42	47
zo	18-7			19:43		388	20:19		468	20:03		393	20:49		449	19:56		388	20:28		378	19:57		389

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		dag datum tijd fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
				54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
ma	19-7				02:29	60		02:38	70		2:23	-35		03:05	60		2:57	70		03:29	60		2:24	32
ma	19-7			08:18		356	08:59		430	8:43		357	09:32		413	8:31		356	09:03		346	8:32		358
ma	19-7				14:53	74		15:03	86		14:59	-19		15:31	76		15:21	84		15:53	74		14:54	47
ma	19-7			20:43		382	21:31		459	21:15		385	21:57		441	20:56		382	21:28		372	20:59		384
di	20-7				03:41	60		03:52	70		3:37	-35		04:21	60		4:09	70		04:41	60		3:30	32
di	20-7			09:23		356	10:15		432	9:59		359	10:43		415	9:36		356	10:08		346	9:33		359
di	20-7				16:14	73		16:23	82		16:15	-22		16:53	73		16:42	83		17:14	73		16:00	43
di	20-7			21:49		377	22:47		457	22:31		381	23:11		437	22:02		377	22:34		367	22:00		380
wo	21-7				04:58	60		05:04	60		4:50	-45		05:36	50		5:26	70		05:58	60		4:33	32
wo	21-7			10:36		361	11:26		443	11:10		368	11:54		424	10:49		361	11:21		351	10:35		362
wo	21-7				17:31	61		17:36	65		17:26	-38		18:09	57		17:59	71		18:31	61		17:05	34
wo	21-7			23:05		376	23:58		462	23:42		385	00:27		441	23:18		376	23:50		366	23:05		378
do	22-7				06:06	50		06:10	50		5:58	385	00:27		441		6:34	60		07:06	50		5:36	22
do	22-7			11:51		371	12:30		457	12:14		-55		06:45	40	12:04		371	12:36		361	11:42		369
do	22-7				18:40	46		18:44	45		6:31	382	12:59		438		19:08	56		19:40	46		18:11	23
do	22-7			00:27		379	01:04		470	0:48		393	19:20		38	0:40		379	01:12		369	0:15		380
vr	23-7			00:27		379	01:04		470	0:48		393	01:34		449	0:40		379	01:12		369	0:15		380
vr	23-7				07:10	40		07:14	30		7:01	-65		07:52	30		7:38	50		08:10	40		6:46	22
vr	23-7	11:45 NM		12:58		382	13:30		472	13:14		397	13:57		453	13:11		382	13:43		372	12:48		380
vr	23-7				19:46	33		19:48	28		19:31	-75		20:26	20		20:14	43		20:46	33		19:54	11
za	24-7			01:32		385	02:05		476	1:49		400	02:32		456	1:45		385	02:17		375	1:25		384
za	24-7				08:08	30		08:15	30		7:59	-75		08:53	20		8:36	40		09:08	30		8:25	12
za	24-7			13:52		393	14:26		483	14:10		408	14:50		464	14:05		393	14:37		383	13:53		391
za	24-7				20:43	24		20:46	18		20:28	-84		21:24	11		21:11	34		21:43	24		21:01	0
zo	25-7			02:25		388	03:02		478	2:46		401	03:26		457	2:38		388	03:10		378	2:28		387
zo	25-7				09:00	30		09:09	30		8:54	-75		09:46	20		9:28	40		10:00	30		9:23	2
zo	25-7			14:42		399	15:19		489	15:03		411	15:40		467	14:55		399	15:27		389	14:51		398
zo	25-7				21:33	24		21:37	19		21:20	-81		22:15	14		22:01	34		22:33	24		21:54	-1
ma	26-7			03:13		386	03:54		473	3:38		395	04:17		451	3:26		386	03:58		376	3:24		386
ma	26-7				09:46	30		09:56	30		9:44	-65		10:34	30		10:14	40		10:46	30		10:13	2
ma	26-7			15:29		401	16:07		488	15:51		409	16:27		465	15:42		401	16:14		391	15:43		399
ma	26-7				22:17	32		22:22	29		22:07	-68		22:59	27		22:45	42		23:17	32		22:39	9
di	27-7			03:59		380	04:40		463	4:24		384	05:02		440	4:12		380	04:44		370	4:13		379
di	27-7				10:28	40		10:38	40		10:28	-55		11:15	40		10:56	50		11:28	40		10:54	22
di	27-7			16:13		399	16:49		483	16:33		402	17:10		458	16:26		399	16:58		389	16:27		394
di	27-7				22:57	46		23:01	45		22:48	-51		23:38	44		23:25	56		23:57	46		23:13	28

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	28-7			04:42		372	05:19		451	5:03		374	05:43		430	4:55		372	05:27		362	4:55		368
wo	28-7				11:05	60		11:14	60		11:06	-35		11:50	60		11:33	70		12:05	60		11:13	42
wo	28-7			16:54		393	17:26		476	17:10		397	17:50		453	17:07		393	17:39		383	16:59		385
wo	28-7				23:34	59		23:37	58		23:24	-45		00:12	50		0:02	60		00:34	50		23:04	42
do	29-7			05:22		364	05:54		444	5:38		368		00:12	50		0:02	60		00:34	50	5:23		358
do	29-7				11:40	70		11:49	70		11:42	-25	06:21		424	5:35		364	06:07		354		11:10	42
do	29-7			17:31		385	18:03		471	17:47		393		12:22	70		12:08	82		12:40	72	17:16		380
do	29-7				00:10	60		00:13	60		0:01	-35	18:30		449	17:44		385	18:16		375		23:32	44
vr	30-7				00:10	60		00:13	60		0:01	-35		00:45	60		0:38	70		01:10	60	5:42		355
vr	30-7			06:01		358	06:31		441	6:15		367	07:00		423	6:14		358	06:46		348		11:46	42
vr	30-7	17:23	EK		12:16	78		12:26	76		12:21	-22		12:57	73		12:44	88		13:16	78	17:46		378
vr	30-7			18:07		377	18:44		464	18:28		387	19:14		443	18:20		377	18:52		367		0:13	42
za	31-7				00:50	70		00:53	70		0:43	-35		01:24	60		1:18	80		01:50	70		0:13	42
za	31-7			06:44		353	07:15		439	6:59		365	07:46		421	6:57		353	07:29		343	6:21		354
za	31-7				12:59	83		13:11	83		13:08	-17		13:40	78		13:27	93		13:59	83		12:34	50
za	31-7			18:54		367	19:33		454	19:17		14	20:07		435	19:07		367	19:39		357	18:38		369

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	1-8				01:38	80		01:41	80		1:34	-25		02:12	70		2:06	90		02:38	80		1:06	52
zo	1-8			07:41		349	08:08		435	7:52		362	08:41		418	7:54		349	08:26		339	7:29		351
zo	1-8				13:55	89		14:05	94		14:04	-7		14:34	88		14:23	99		14:55	89		13:36	61
zo	1-8			20:02		357	20:32		441	20:16		368	21:07		424	20:15		357	20:47		347	19:59		357
ma	2-8				02:36	80		02:40	90		2:34	-15		03:12	80		3:04	90		03:36	80		2:18	62
ma	2-8			08:45		350	09:09		432	8:53		359	09:42		415	8:58		350	09:30		340	8:50		351
ma	2-8				15:04	93		15:13	105		15:08	3		15:42	98		15:32	103		16:04	93		14:57	71
ma	2-8			21:11		353	21:40		431	21:24		359	22:13		415	21:24		353	21:56		343	21:21		352
di	3-8				03:41	80		03:50	100		3:42	-5		04:21	90		4:09	90		04:41	80		3:43	62
di	3-8			09:48		358	10:17		435	10:01		363	10:47		419	10:01		358	10:33		348	9:58		359
di	3-8				16:16	92		16:28	106		16:18	4		16:57	99		16:44	102		17:16	92		16:20	71
di	3-8			22:15		355	22:52		431	22:36		358	23:23		414	22:28		355	23:00		345	22:28		355
wo	4-8				04:49	80		05:00	100		4:51	-5		05:31	90		5:17	90		05:49	80		4:54	62
wo	4-8			10:48		371	11:23		448	11:07		375	11:51		431	11:01		371	11:33		361	10:57		371
wo	4-8				17:27	86		17:37	96		17:23	-6		18:07	89		17:55	96		18:27	86		17:27	65
wo	4-8			23:15		361	23:56		440	23:40		366	00:27		422	#####		361	00:00		351	23:25		362
do	5-8				05:53	80		06:01	90		5:51	-15		00:27	422	#####		361	00:00		351		5:52	62
do	5-8			11:43		386	12:19		467	12:03		393	06:34		80		6:21	90		06:53	80		11:48	386
do	5-8				18:27	80		18:35	83		6:16	-18		12:45	449	11:56		386	12:28		376		18:22	59
do	5-8			00:07		371	00:46		453	0:30		377	19:07		77		18:55	90		19:27	80		0:12	371
vr	6-8			00:07		371	00:46		453	0:30		377	01:16		433	0:20		371	00:52		361	0:12		371
vr	6-8				06:46	80		06:53	80		6:39	-25		07:26	70		7:14	90		07:46	80		6:40	52
vr	6-8			12:31		401	13:05		486	12:49		411	13:30		467	12:44		401	13:16		391	12:33		401
vr	6-8				19:15	76		19:22	72		19:01	-28		19:56	67		19:43	86		20:15	76		19:07	54
za	7-8			00:53		379	01:29		464	1:13		388	01:57		444	1:06		379	01:38		369	0:52		380
za	7-8				07:29	70		07:37	70		7:22	-35		08:12	60		7:57	80		08:29	70		7:19	52
za	7-8			13:14		412	13:47		501	13:31		425	14:12		481	13:27		412	13:59		402	13:11		413
za	7-8	20:11 VM			19:56	71		20:05	64		19:41	-35		20:39	60		20:24	81		20:56	71		19:48	48
zo	8-8			01:33		385	02:08		473	1:52		395	02:37		451	1:46		385	02:18		375	1:28		387
zo	8-8				08:08	70		08:18	60		8:01	-35		08:53	60		8:36	80		09:08	70		7:55	42
zo	8-8			13:53		418	14:26		508	14:10		431	14:53		487	14:06		418	14:38		408	13:49		421
zo	8-8				20:36	66		20:45	58		20:21	397		21:19	55		21:04	76		21:36	66		20:28	41
ma	9-8			02:09		388	02:48		474	2:32		-45	03:17		453	2:22		388	02:54		378	2:08		390
ma	9-8				08:45	60		08:57	60		8:40	430		09:32	50		9:13	70		09:45	60		8:33	42
ma	9-8			14:27		419	15:05		508	14:49		430	15:32		486	14:40		419	15:12		409	14:28		422
ma	9-8				21:13	61		21:23	54		21:00	-44		21:58	51		21:41	71		22:13	61		21:11	36

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
di	10-8			02:45		386	03:27		470	3:11		392	03:57		448	2:58		386	03:30		376	2:51		388
di	10-8				09:21	60		09:33	60		9:17	-45		10:09	50		9:49	70		10:21	60		9:16	42
di	10-8			15:02		416	15:40		503	15:24		425	16:07		481	15:15		416	15:47		406	15:10		417
di	10-8				21:48	57		21:59	52		21:35	-47		22:34	48		22:16	67		22:48	57		21:54	33
wo	11-8			03:24		382	04:02		462	3:46		385	04:32		441	3:37		382	04:09		372	3:36		380
wo	11-8				09:55	60		10:08	60		9:51	-45		10:43	50		10:23	70		10:55	60		9:55	42
wo	11-8			15:40		413	16:12		499	15:56		421	16:40		477	15:53		413	16:25		403	15:50		410
wo	11-8				22:22	54		22:32	53		22:07	-47		23:09	48		22:50	64		23:22	54		22:29	33
do	12-8			04:04		377	04:34		455	4:18		380	05:06		436	4:17		377	04:49		367	4:18		372
do	12-8				10:29	50		10:41	60		10:23	-45		11:16	50		10:57	60		11:29	50		10:16	32
do	12-8			16:21		410	16:45		498	16:29		421	17:14		477	16:34		410	17:06		400	16:28		405
do	12-8				22:56	53		23:06	53		22:40	-46		23:41	49		23:24	63		23:56	53		22:44	33
vr	13-8			04:45		371	05:08		453	4:52		378	05:41		434	4:58		371	05:30		361	4:55		366
vr	13-8				11:05	50		11:15	60		10:59	-45		11:48	50		11:33	60		12:05	50		10:41	32
vr	13-8			17:01		406	17:23		497	17:07		420	17:52		476	17:14		406	17:46		396	17:04		402
vr	13-8				23:32	53		23:41	54		23:18	-45		00:13	50		0:00	10		00:32	0		23:10	31
za	14-8			05:25		366	05:46		451	5:30		-45		00:13	50		0:00	60		00:32	50		5:31	363
za	14-8				11:45	50		11:52	60		11:39	376	06:21		432	5:38		366	06:10		356		11:18	32
za	14-8			17:41		401	18:05		491	17:49		-42		12:23	53		12:13	64		12:45	54		17:42	400
za	14-8				00:13	50		00:20	60		0:01	414	18:36		470	17:54		401	18:26		391		23:39	32
zo	15-8	3:15	LK		00:13	50		00:20	60		0:01	-45		00:50	50		0:41	60		01:13	50		23:39	32
zo	15-8			06:04		361	06:29		446	6:13		370	07:06		426	6:17		361	06:49		351	6:10		361
zo	15-8				12:29	60		12:34	67		12:25	-38		13:05	57		12:57	70		13:29	60		12:07	40
zo	15-8			18:23		392	18:54		478	18:38		401	19:25		457	18:36		392	19:08		382	18:31		394
ma	16-8				01:00	60		01:07	70		0:51	-35		01:36	60		1:28	70		02:00	60		0:49	42
ma	16-8			06:47		356	07:21		436	7:05		361	07:59		417	7:00		356	07:32		346	7:01		357
ma	16-8				13:20	71		13:27	83		13:21	-24		13:55	71		13:48	81		14:20	71		13:13	50
ma	16-8			19:13		380	19:54		459	19:38		384	20:25		440	19:26		380	19:58		370	19:29		383
di	17-8				01:56	80		02:06	90		1:56	-15		02:34	80		2:24	90		02:56	80		1:57	52
di	17-8			07:42		351	08:30		426	8:14		353	09:07		409	7:55		351	08:27		341	8:01		353
di	17-8				14:23	83		14:35	99		14:34	-8		15:03	87		14:51	93		15:23	83		14:29	59
di	17-8			20:15		368	21:11		444	20:55		371	21:40		427	20:28		368	21:00		358	20:32		372
wo	18-8				03:11	80		03:24	90		3:16	-5		03:55	90		3:39	90		04:11	80		3:08	52
wo	18-8			08:56		349	09:54		426	9:38		354	10:25		410	9:09		349	09:41		339	9:07		351
wo	18-8				15:55	84		16:02	98		15:58	-7		16:34	88		16:23	94		16:55	84		15:43	57
wo	18-8			21:34		362	22:34		444	22:18		369	23:03		425	21:47		362	22:19		352	21:40		365

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E		53°24'35"N 8°11'18"E		53°32'42.0"N, 8°34'5.2"E		53°55'04"N 8°29'11"E		53°52'04"N 8°43'03"E		54°04'07"N 8°38'16"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
do	19-8				04:40	80		04:46	80		4:36	-25		05:19	70		5:08	90		05:40	80		4:19	52
do	19-8			10:29		357	11:11		442	10:55		368	11:41		424	10:42		357	11:14		347	10:20		357
do	19-8				17:19	69		17:24	78		17:14	-27		17:56	68		17:47	79		18:19	69		16:55	46
do	19-8			23:14		368	23:50		456	23:34		381	00:22		437	23:27		368	23:59		358	23:00		367
vr	20-8				05:54	60		05:59	60		5:48	-45		00:22	437		6:22	70		06:54	60		5:29	42
vr	20-8			11:52		375	12:19		464	12:03		390		06:33	50	12:05		375	12:37		365	11:44		372
vr	20-8				18:35	51		18:37	53		6:22	-51	12:48		446		19:03	61		19:35	51		18:09	32
vr	20-8			00:29		381	00:57		472	0:41		398		19:12	44	0:42		381	01:14		371	0:25		379
za	21-8			00:29		381	00:57		472	0:41		398	01:27		454	0:42		381	01:14		371	0:25		379
za	21-8				07:02	50		07:06	40		6:52	-55		07:42	40		7:30	60		08:02	50		6:54	32
za	21-8			12:53		394	13:20		484	13:04		409	13:45		465	13:06		394	13:38		384	12:54		391
za	21-8	20:30	NM		19:40	37		19:42	35		19:22	-69		20:18	26		20:08	47		20:40	37		19:51	19
zo	22-8			01:24		391	01:57		482	1:41		407	02:22		463	1:37		391	02:09		381	1:26		390
zo	22-8				07:59	40		08:06	30		7:50	-65		08:42	30		8:27	50		08:59	40		8:16	22
zo	22-8			13:43		406	14:15		496	13:59		420	14:37		476	13:56		406	14:28		396	13:48		405
zo	22-8				20:33	34		20:37	29		20:16	-74		21:13	21		21:01	44		21:33	34		20:52	13
ma	23-8			02:11		394	02:50		482	2:34		407	03:12		463	2:24		394	02:56		384	2:16		395
ma	23-8				08:47	40		08:57	40		8:41	-65		09:33	30		9:15	50		09:47	40		9:10	12
ma	23-8			14:27		410	15:04		499	14:48		421	15:24		477	14:40		410	15:12		400	14:37		410
ma	23-8				21:17	40		21:24	36		21:04	-65		22:00	30		21:45	50		22:17	40		21:40	18
di	24-8			02:53		391	03:37		475	3:21		398	03:58		454	3:06		391	03:38		381	3:04		393
di	24-8				09:28	50		09:39	50		9:26	-55		10:16	40		9:56	60		10:28	50		9:56	22
di	24-8			15:08		408	15:47		493	15:31		415	16:08		471	15:21		408	15:53		398	15:22		407
di	24-8				21:56	51		22:03	49		21:45	-50		22:39	45		22:24	61		22:56	51		22:19	30
wo	25-8			03:33		385	04:16		463	4:00		387	04:39		443	3:46		385	04:18		375	3:47		385
wo	25-8				10:05	60		10:16	60		10:03	-45		10:53	50		10:33	70		11:05	60		10:32	32
wo	25-8			15:47		403	16:23		484	16:07		406	16:46		462	16:00		403	16:32		393	16:01		399
wo	25-8				22:29	62		22:37	62		22:19	-37		23:13	58		22:57	72		23:29	62		22:44	45
do	26-8			04:09		379	04:48		455	4:32		380	05:13		436	4:22		379	04:54		369	4:22		375
do	26-8				10:37	60		10:47	70		10:35	-35		11:23	60		11:05	70		11:37	60		10:32	42
do	26-8			16:22		396	16:54		477	16:38		400	17:21		456	16:35		396	17:07		386	16:27		389
do	26-8				23:00	69		23:07	68		22:49	-32		23:42	63		23:28	70		00:00	60		22:30	51
vr	27-8			04:44		374	05:16		453	5:00		378	05:44		434		23:28	70		00:00	60		4:42	369
vr	27-8				11:08	70		11:18	70		11:05	-35		11:51	60		4:57	374	05:29		364		10:37	42
vr	27-8			16:54		389	17:26		472	17:10		395	17:55		451		11:36	83		12:08	73		16:39	385
vr	27-8				23:31	74		23:37	71		23:21	-35		00:11	60		17:07	389		17:39	379		22:56	48

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West			
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E						
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	
za	28-8			05:17		370	05:49		454	5:33		379	00:11	60		23:59	80		00:31	70		4:58		369	
za	28-8				11:40	70		11:51	70		11:39	-25	06:19	435		5:30	370		06:02	360		11:10		42	
za	28-8			17:21		381	18:02		465	17:46		389		12:22	70		12:08	88		12:40	78	17:05		383	
za	28-8				00:03	80		00:11	70		23:59		18:33	445		17:34	381		18:06	371		23:32		48	
zo	29-8				00:03	80		00:11	70		23:59	-25		00:43	70		0:31	90		01:03	80	5:31		368	
zo	29-8			05:48		365	06:28		451	6:12		376	07:00	432		6:01	365		06:33	355		11:52		42	
zo	29-8				12:16	86		12:28	87		12:20	-18		12:58	77		12:44	96		13:16	86	17:50		374	
zo	29-8			17:55		371	18:44		453	18:28		378	19:17	434		18:08	371		18:40	361		0:16		-18	
ma	30-8				00:42	90		00:50	90		0:43	-15		01:22	80		1:10	100		01:42	90		0:16		52
ma	30-8	10:13	EK	06:34		358	07:14		443	6:58		369	07:48	425		6:47	358		07:19	348		6:26		360	
ma	30-8				13:01	99		13:13	106		13:09	0		13:43	95		13:29	109		14:01	99		12:44		70
ma	30-8			18:57		358	19:36		436	19:20		365	20:11	421		19:10	358		19:42	348		18:57		358	
di	31-8				01:31	110		01:38	120		1:37	15		02:10	110		1:59	120		02:31	110		1:14		82
di	31-8			07:43		354	08:11		434	7:55		363	08:46	419		7:56	354		08:28	344		7:54		353	
di	31-8				14:00	116		14:11	131		14:09	24		14:40	119		14:28	126		15:00	116		13:57		97
di	31-8			20:13		350	20:39		423	20:23		355	21:14	411		20:26	350		20:58	340		20:27		348	



getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		fase		54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	1-9				02:35	120		02:43	140		2:42	35		03:15	130		3:03	130		03:35	120		2:40	102
wo	1-9			08:56		359	09:18		432	9:02		366	09:52		422	9:09		359	09:41		349	9:11		359
wo	1-9				15:14	126		15:29	147		15:19	41		15:58	136		15:42	136		16:14	126		15:33	110
wo	1-9			21:25		353	21:52		421	21:36		355	22:23		411	21:38		353	22:10		343	21:41		351
do	2-9				03:51	120		04:07	140		3:57	35		04:39	130		4:19	130		04:51	120		4:10	112
do	2-9			10:03		375	10:34		446	10:18		380	11:02		436	10:16		375	10:48		365	10:16		375
do	2-9				16:37	122		16:55	138		16:36	33		17:24	128		17:05	132		17:37	122		16:49	101
do	2-9			22:32		364	23:10		434	22:54		365	23:38		421	22:45		364	23:17		354	22:44		363
vr	3-9				05:10	110		05:23	130		5:10	25		05:55	120		5:38	120		06:10	110		5:15	92
vr	3-9			11:06		395	11:43		471	11:27		402	12:07		458	11:19		395	11:51		385	11:13		396
vr	3-9				17:50	106		18:02	114		17:42	10		18:33	105		18:18	116		18:50	106		17:50	85
vr	3-9			23:33		377	00:13		454	23:57		382	00:41		438	23:46		377	00:18		367	23:39		378
za	4-9				06:13	100	00:13		454	23:57		382	00:41		438	23:46		377	00:18		367	23:39		378
za	4-9			12:02		412		06:22	100		18:09	-5		06:55	90		6:41	110		07:13	100		6:10	82
za	4-9				18:45	89	12:37		495	12:21		423	13:01		479	12:15		412	12:47		402	12:04		414
za	4-9			00:26		387		18:55	90		18:33	-12		19:27	83		19:13	99		19:45	89		18:43	68
zo	5-9			00:26		387	01:02		469	0:46		395	01:30		451	0:39		387	01:11		377	0:25		388
zo	5-9				07:01	80		07:10	80		6:56	-25		07:44	70		7:29	90		08:01	80		6:57	62
zo	5-9			12:50		421	13:22		508	13:06		433	13:47		489	13:03		421	13:35		411	12:47		424
zo	5-9				19:30	76		19:40	73		19:17	-28		20:13	67		19:58	86		20:30	76		19:31	55
ma	6-9			01:10		390	01:45		476	1:29		399	02:13		455	1:23		390	01:55		380	1:05		393
ma	6-9	9:03 VM			07:44	70		07:53	70		7:38	-35		08:27	60		8:12	80		08:44	70		7:41	52
ma	6-9			13:30		422	14:03		511	13:47		434	14:29		490	13:43		422	14:15		412	13:26		425
ma	6-9				20:11	65		20:21	63		19:58	-37		20:54	58		20:39	75		21:11	65		20:17	45
di	7-9			01:46		389	02:25		474	2:09		397	02:53		453	1:59		389	02:31		379	1:43		392
di	7-9				08:23	60		08:32	60		8:16	-35		09:07	60		8:51	70		09:23	60		8:24	42
di	7-9			14:03		419	14:40		508	14:24		430	15:07		486	14:16		419	14:48		409	14:03		421
di	7-9				20:50	58		20:58	56		20:35	392		21:33	51		21:18	68		21:50	58		21:02	38
wo	8-9			02:18		386	03:03		469	2:47		-45	03:31		448	2:31		386	03:03		376	2:23		387
wo	8-9				09:00	50		09:09	60		8:53	426		09:45	50		9:28	60		10:00	50		9:08	42
wo	8-9			14:35		417	15:15		504	14:59		-51	15:42		482	14:48		417	15:20		407	14:42		416
wo	8-9				21:27	53		21:35	51		21:10	389		22:10	44		21:55	63		22:27	53		21:43	33
do	9-9			02:54		385	03:37		465	3:21		-55	04:06		445	3:07		385	03:39		375	3:06		382
do	9-9				09:36	50		09:45	50		9:26	427		10:22	40		10:04	60		10:36	50		9:22	32
do	9-9			15:13		418	15:48		504	15:32		-54	16:16		483	15:26		418	15:58		408	15:24		413
do	9-9				22:01	51		22:10	48		21:43	-54		22:47	41		22:29	61		23:01	51		22:16	31

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
vr	10-9			03:36		384	04:10		464	3:54		389	04:41		445	3:49		384	04:21		374	3:50		379
vr	10-9				10:11	50		10:20	50		10:01	-55		10:57	40		10:39	60		11:11	50		9:45	32
vr	10-9			15:56		417	16:24		505	16:08		429	16:53		485	16:09		417	16:41		407	16:05		411
vr	10-9				22:35	51		22:44	48		22:18	-53		23:21	42		23:03	61		23:35	51		22:17	31
za	11-9			04:20		382	04:45		466	4:29		391	05:18		447	4:33		382	05:05		372	4:30		377
za	11-9				10:47	40		10:56	50		10:38	-55		11:31	40		11:15	50		11:47	40		10:19	22
za	11-9			16:39		412	17:03		503	16:47		427	17:33		483	16:52		412	17:24		402	16:45		409
za	11-9				23:11	54		23:20	53		22:57	-46		23:54	49		23:39	60		00:11	50		22:49	33
zo	12-9			05:02		377	05:24		464	5:08		389	05:59		445		23:39	60		00:11	50	5:08		375
zo	12-9				11:25	50		11:34	50		11:19	-45		12:06	50	5:15		377	05:47		367		11:00	32
zo	12-9			17:21		402	17:46		490	17:30		415	18:18		471		11:53	63		12:25	53	17:25		402
zo	12-9				23:49	63		23:59	67		23:41	-35		00:30	60	17:34		402	18:06		392		23:33	41
ma	13-9			05:42		369	06:09		456	5:53		380		00:30	60		0:17	70		00:49	60	5:48		370
ma	13-9	8:25 LK			12:08	60		12:16	70		12:07	-34	06:44		436	5:55		369	06:27		359		11:50	42
ma	13-9			18:03		386	18:37		469	18:21		395		12:46	61		12:36	73		13:08	63	18:12		389
ma	13-9				00:33	70		00:43	80		0:33	-25	19:08		451	18:16		386	18:48		376		0:27	52
di	14-9				00:33	70		00:43	80		0:33	-25		01:13	70		1:01	80		01:33	70		0:27	52
di	14-9			06:24		360	07:02		441	6:46		367	07:38		423	6:37		360	07:09		350	6:37		362
di	14-9				12:58	78		13:08	92		13:05	-15		13:35	80		13:26	88		13:58	78		12:55	59
di	14-9			18:54		367	19:40		444	19:24		372	20:13		428	19:07		367	19:39		357	19:08		371
wo	15-9				01:27	90		01:41	110		1:41	5		02:09	100		1:55	100		02:27	90		1:35	72
wo	15-9			07:22		350	08:14		427	7:58		356	08:50		412	7:35		350	08:07		340	7:38		353
wo	15-9				14:05	93		14:17	112		14:23	6		14:45	101		14:33	103		15:05	93		14:13	72
wo	15-9			20:06		352	21:04		430	20:48		359	21:36		415	20:19		352	20:51		342	20:15		355
do	16-9				02:53	100		03:05	120		3:06	15		03:37	110		3:21	110		03:53	100		2:52	72
do	16-9			08:54		349	09:41		429	9:25		359	10:13		415	9:07		349	09:39		339	8:52		349
do	16-9				15:53	91		15:51	111		15:48	6		16:23	101		16:21	101		16:53	91		15:32	71
do	16-9			21:51		352	22:28		436	22:12		365	23:00		421	22:04		352	22:36		342	21:40		350
vr	17-9				04:31	90		04:34	110		4:28	-5		05:06	90		4:59	100		05:31	90		4:09	72
vr	17-9			10:34		365	11:00		450	10:44		378	11:30		434	10:47		365	11:19		355	10:33		361
vr	17-9				17:14	71		17:16	87		17:05	-18		17:46	77		17:42	81		18:14	71		16:52	58
vr	17-9			23:20		370	23:43		457	23:27		384	00:15		440	23:33		370	00:05		360	23:25		365
za	18-9				05:45	70		05:50	80		5:39	-25	00:15		440	23:33		370	00:05		360		5:30	52
za	18-9			11:47		389	12:08		477	11:52		404	06:22		70		6:13	80		06:45	70	11:56		386
za	18-9				18:28	52		18:28	60		6:12	-44	12:36		460	12:00		389	12:32		379		18:39	41
za	18-9			00:21		389	00:49		478	0:33		404		19:01	51		18:56	62		19:28	52	0:29		387

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	19-9			00:21		389	00:49		478	0:33		404	01:16		460	0:34		389	01:06		379	0:29		387
zo	19-9				06:51	50		06:56	60		6:42	-45		07:30	50		7:19	60		07:51	50		7:07	42
zo	19-9			12:41		409	13:08		499	12:52		423	13:32		479	12:54		409	13:26		399	12:50		409
zo	19-9				19:28	41		19:29	43		19:11	-61		20:04	34		19:56	51		20:28	41		19:49	27
ma	20-9			01:11		399	01:46		488	1:30		412	02:09		468	1:24		399	01:56		389	1:17		400
ma	20-9	7:30	NM		07:45	40		07:52	50		7:37	-55		08:27	40		8:13	50		08:45	40		8:06	32
ma	20-9			13:27		418	14:01		506	13:45		429	14:21		485	13:40		418	14:12		408	13:35		420
ma	20-9				20:16	44		20:20	42		20:01	-61		20:55	34		20:44	54		21:16	44		20:38	26
di	21-9			01:53		400	02:34		485	2:18		409	02:54		465	2:06		400	02:38		390	1:58		404
di	21-9				08:29	50		08:39	50		8:24	-55		09:14	40		8:57	60		09:29	50		8:53	32
di	21-9			14:07		417	14:46		501	14:30		424	15:05		480	14:20		417	14:52		407	14:16		419
di	21-9				20:56	55		21:03	53		20:44	-48		21:38	47		21:24	65		21:56	55		21:17	34
wo	22-9			02:28		396	03:15		475	2:59		399	03:35		455	2:41		396	03:13		386	2:37		400
wo	22-9				09:06	60		09:18	60		9:03	-45		09:53	50		9:34	70		10:06	60		9:32	32
wo	22-9			14:42		411	15:23		490	15:07		414	15:44		470	14:55		411	15:27		401	14:55		411
wo	22-9				21:28	66		21:38	66		21:18	-35		22:13	60		21:56	76		22:28	66		21:46	45
do	23-9			03:00		392	03:46		466	3:30		392	04:08		448	3:13		392	03:45		382	3:14		394
do	23-9				09:37	60		09:49	70		9:33	-35		10:26	60		10:05	70		10:37	60		10:00	42
do	23-9			15:15		404	15:53		481	15:37		406	16:18		462	15:28		404	16:00		394	15:28		401
do	23-9				21:56	70		22:07	72		21:45	-29		22:43	66		22:24	80		22:56	70		21:48	52
vr	24-9			03:33		390	04:10		465	3:54		390	04:38		446	3:46		390	04:18		380	3:44		388
vr	24-9				10:05	70		10:17	70		9:59	-35		10:53	60		10:33	80		11:05	70		9:48	52
vr	24-9			15:47		399	16:20		477	16:04		402	16:50		458	16:00		399	16:32		389	15:52		393
vr	24-9				22:24	72		22:34	73		22:13	-30		23:09	65		22:52	82		23:24	72		21:59	52
za	25-9			04:06		389	04:38		469	4:22		393	05:08		449	4:19		389	04:51		379	4:05		385
za	25-9				10:36	70		10:47	70		10:28	-35		11:21	60		11:04	80		11:36	70		10:08	42
za	25-9			16:19		392	16:51		474	16:35		398	17:22		454	16:32		392	17:04		382	16:08		389
za	25-9				22:54	77		23:02	76		22:45	-28		23:37	67		23:22	87		23:54	77		22:24	51
zo	26-9			04:38		386	05:11		471	4:55		394	05:42		450	4:51		386	05:23		376	4:25		384
zo	26-9				11:09	80		11:18	70		11:02	-25		11:50	70		11:37	90		12:09	80		10:40	42
zo	26-9			16:47		385	17:26		468	17:10		392	17:57		448	17:00		385	17:32		375	16:33		386
zo	26-9				23:26	90		23:33	89		23:21	-25		00:06	70		23:56	100		00:26	90		22:56	58
ma	27-9			05:06		380	05:48		467	5:32		390	06:06		446	5:19		380	05:51		370	4:53		382
ma	27-9				11:43	90		11:52	90		11:40	-11		06:20	446		5:19	380	05:51		370		11:18	52
ma	27-9			17:17		375	18:04		455	17:48		381		12:24	84		12:11	105		12:43	95	17:09		378
ma	27-9				23:58	109		00:06	110		0:00	5	18:35		437		17:30	375	18:02		365		23:35	78

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West			
dag datum		tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	
di	28-9	4:53	EK	05:39		375		00:06	110		0:00	5		00:39	100		0:26	110		00:58	100		5:33		375
di	28-9				12:23	110	06:28		457	6:12		382	07:01		438	5:52		375	06:24		365		12:02		82
di	28-9			18:07		363		12:30	119		12:22	11		13:02	106		12:51	124		13:23	114		18:00		363
di	28-9				00:39	130	18:48		438	18:32		368	19:20		424	18:20		363	18:52		353		0:21		-18
wo	29-9				00:39	130		00:45	140		0:45	25		01:19	120		1:07	140		01:39	130		0:21		102
wo	29-9			06:40		369	07:15		446	6:59		375	07:51		431	6:53		369	07:25		359		6:43		365
wo	29-9				13:13	134		13:17	146		13:13	37		13:49	132		13:41	144		14:13	134		13:00		118
wo	29-9			19:18		355	19:43		424	19:27		358	20:17		414	19:31		355	20:03		345		19:32		350
do	30-9				01:34	140		01:38	160		1:44	55		02:11	150		2:02	150		02:34	140		1:25		132
do	30-9			07:54		371	08:17		441	8:01		376	08:55		432	8:07		371	08:39		361		8:20		367
do	30-9				14:18	145		14:22	167		14:18	58		14:52	153		14:46	155		15:18	145		14:34		139
do	30-9			20:32		356	20:52		419	20:36		357	21:26		413	20:45		356	21:17		346		20:53		352

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		dag datum		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
tijd		fase		54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
vr	1-10				02:41	150		02:53	170		2:56	65		03:23	160		3:09	160		03:41	150		3:06	142
vr	1-10			09:09		382	09:33		449	9:17		387	10:08		443	9:22		382	09:54		372	9:29		382
vr	1-10				15:33	141		15:54	165		15:37	58		16:22	153		16:01	151		16:33	141		16:02	127
vr	1-10			21:44		367	22:13		430	21:57		367	22:41		423	21:57		367	22:29		357	21:59		366
za	2-10				03:58	140		04:26	160		4:17	55		04:57	150		4:26	150		04:58	140		4:25	122
za	2-10			10:19		400	10:53		470	10:37		406	11:21		462	10:32		400	11:04		390	10:29		403
za	2-10				16:56	121		17:16	135		16:55	29		17:46	124		17:24	131		17:56	121		17:07	101
za	2-10			22:52		381	23:29		451	23:13		384	23:55		440	23:05		381	23:37		371	22:58		382
zo	3-10				05:22	120		05:39	120		5:26	15		06:11	110		5:50	130		06:22	120		5:24	102
zo	3-10			11:22		416	11:56		493	11:40		424	12:23		480	11:35		416	12:07		406	11:24		419
zo	3-10				18:02	95		18:16	101		5:55	-3		18:47	92		18:30	105		19:02	95		18:03	74
zo	3-10			23:50		392	00:26		470	0:10		398	00:55		454	0:03		392	00:35		382	23:50		394
ma	4-10				06:23	90	00:26		470	0:10		398	00:55		454	0:03		392	00:35		382	23:50		394
ma	4-10			12:15		422		06:34	100		6:20	-15		07:07	80		6:51	100		07:23	90		6:18	72
ma	4-10				18:54	74	12:47		505	12:31		432	13:14		488	12:28		422	13:00		412	12:13		425
ma	4-10			00:39		395		19:05	77		18:44	-25		19:38	70		19:22	84		19:54	74		18:58	56
di	5-10			00:39		395	01:14		477	0:58		402	01:42		458	0:52		395	01:24		385	0:34		397
di	5-10				07:12	70		07:21	80		7:06	-25		07:55	70		7:40	80		08:12	70		7:10	62
di	5-10			12:59		421	13:30		507	13:14		431	13:58		487	13:12		421	13:44		411	12:54		423
di	5-10	20:40 VM			19:40	62		19:48	65		19:26	-37		20:22	58		20:08	72		20:40	62		19:52	46
wo	6-10			01:18		392	01:55		475	1:39		399	02:23		455	1:31		392	02:03		382	1:13		394
wo	6-10				07:56	60		08:02	70		7:46	-35		08:38	60		8:24	70		08:56	60		8:06	52
wo	6-10			13:34		417	14:09		504	13:53		426	14:37		482	13:47		417	14:19		407	13:30		417
wo	6-10				20:22	56		20:28	58		20:05	-44		21:03	51		20:50	66		21:22	56		20:40	41
do	7-10			01:50		389	02:33		471	2:17		396	03:02		452	2:03		389	02:35		379	1:51		389
do	7-10				08:36	50		08:41	60		8:23	-45		09:18	50		9:04	60		09:36	50		7:55	42
do	7-10			14:07		416	14:46		502	14:30		425	15:14		481	14:20		416	14:52		406	8:21		48
do	7-10				21:01	53		21:06	52		20:41	-50		21:43	45		21:29	63		22:01	53		8:54	48
vr	8-10			02:26		391	03:09		471	2:53		396	03:38		452	2:39		391	03:11		381	2:32		387
vr	8-10				09:15	50		09:19	50		9:00	-55		09:57	40		9:43	60		10:15	50		8:30	32
vr	8-10			14:46		418	15:23		504	15:07		427	15:52		483	14:59		418	15:31		408	14:52		412
vr	8-10				21:38	52		21:43	47		21:17	400		22:21	40		22:06	62		22:38	52		21:00	34
za	9-10			03:10		394	03:44		475	3:28		-55	04:16		456	3:23		394	03:55		384	3:18		388
za	9-10				09:52	40		09:58	40		9:37	429		10:36	40		10:20	50		10:52	40		9:11	32
za	9-10			15:32		418	16:03		505	15:47		-54	16:33		485	15:45		418	16:17		408	15:39		412
za	9-10				22:14	53		22:21	47		21:57	-54		22:59	41		22:42	63		23:14	53		21:41	32

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	10-10			03:56		395	04:23		479	4:07		404	04:56		460	4:09		395	04:41		385	4:03		390
zo	10-10				10:29	40		10:37	40		10:18	-55		11:14	40		10:57	50		11:29	40		9:56	22
zo	10-10			16:19		411	16:46		498	16:30		423	17:16		479	16:32		411	17:04		401	16:24		408
zo	10-10				22:49	58		23:00	55		22:39	-44		23:35	51		23:17	68		23:49	58		22:26	36
ma	11-10			04:41		391	05:05		477	4:49		402	05:38		458	4:54		391	05:26		381	4:45		388
ma	11-10				11:08	50		11:18	50		11:03	-55		11:52	40		11:36	60		12:08	50		10:45	32
ma	11-10			17:06		395	17:33		480	17:17		407	18:04		463	17:19		395	17:51		385	17:09		396
ma	11-10				23:27	69		23:40	73		23:26	-35		00:12	60		23:55	70		00:27	60		23:13	48
di	12-10			05:26		381	05:52		466	5:36		392	06:12		60		23:55	70		00:27	60	5:27		382
di	12-10				11:51	60		12:03	70		11:53	-31	06:26		448	5:39		381	06:11		371		11:39	42
di	12-10	14:25	LK	17:53		375	18:27		455	18:11		384		12:33	64		12:19	75		12:51	65	17:56		378
di	12-10				00:10	80		00:25	90		0:21	-15	18:59		440	18:06		375	18:38		365		0:08	62
wo	13-10				00:10	80		00:25	90		0:21	-15	00:55		80		0:38	90		01:10	80		0:08	62
wo	13-10			06:11		368	06:47		449	6:31		378	07:22		434	6:24		368	06:56		358	6:16		370
wo	13-10				12:43	83		12:55	95		12:55	-9		13:24	86		13:11	93		13:43	83		12:43	61
wo	13-10			18:51		354	19:35		431	19:19		362	20:09		418	19:04		354	19:36		344	18:52		357
do	14-10				01:04	100		01:23	120		1:32	15		01:52	110		1:32	110		02:04	100		1:15	82
do	14-10			07:16		357	08:01		435	7:45		367	08:37		423	7:29		357	08:01		347	7:18		359
do	14-10				14:06	98		14:07	116		14:12	11		14:38	106		14:34	108		15:06	98		13:57	77
do	14-10			20:21		343	20:56		422	20:40		355	21:29		411	20:34		343	21:06		333	20:06		341
vr	15-10				02:50	110		02:49	130		2:54	25		03:23	120		3:18	120		03:50	110		2:33	92
vr	15-10			08:55		358	09:25		438	9:09		372	09:58		428	9:08		358	09:40		348	8:47		355
vr	15-10				15:46	88		15:39	114		15:34	8		16:12	103		16:14	98		16:46	88		15:20	78
vr	15-10			21:52		352	22:16		433	22:00		366	22:49		422	22:05		352	22:37		342	21:59		346
za	16-10				04:17	90		04:18	120		4:13	5		04:50	100		4:45	100		05:17	90		3:57	82
za	16-10			10:23		376	10:43		459	10:27		391	11:13		447	10:36		376	11:08		366	10:32		373
za	16-10				17:00	69		17:00	91		16:50	-15		17:30	80		17:28	79		18:00	69		16:56	65
za	16-10			23:08		373	23:30		457	23:14		388	00:01		444	23:21		373	23:53		363	23:18		370
zo	17-10				05:28	70		05:33	90		5:25	-15	00:01		444		5:56	80		06:28	70		5:38	72
zo	17-10			11:30		400	11:52		485	11:36		414		06:04	80	11:43		400	12:15		390	11:41		399
zo	17-10				18:10	52		18:09	66		5:57	-38	12:20		470		18:38	62		19:10	52		18:36	46
zo	17-10			00:06		393	00:35		480	0:19		407		18:42	57	0:19		393	00:51		383	0:14		393
ma	18-10			00:06		393	00:35		480	0:19		407	01:02		463	0:19		393	00:51		383	0:14		393
ma	18-10				06:33	60		06:37	70		6:27	-35		07:11	60		7:01	70		07:33	60		6:57	52
ma	18-10			12:23		415	12:52		502	12:36		427	13:16		483	12:36		415	13:08		405	12:33		417
ma	18-10				19:07	45		19:08	51		18:54	-52		19:42	43		19:35	55		20:07	45		19:32	35

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		dag datum tijd fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
				54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
di	19-10			00:53		401	01:29		489	1:13		413	01:53		469	1:06		401	01:38		391	0:59		406
di	19-10				07:25	50		07:31	60		7:20	-45		08:05	50		7:53	60		08:25	50		7:49	42
di	19-10			13:07		417	13:43		502	13:27		425	14:04		481	13:20		417	13:52		407	13:15		421
di	19-10	21:12	NM		19:52	51		19:56	52		19:42	-50		20:30	45		20:20	61		20:52	51		20:14	36
wo	20-10			01:31		400	02:13		483	1:57		407	02:34		463	1:44		400	02:16		390	1:35		407
wo	20-10				08:08	60		08:16	60		8:02	-45		08:50	50		8:36	70		09:08	60		8:31	42
wo	20-10			13:43		409	14:24		491	14:08		414	14:44		470	13:56		409	14:28		399	13:51		413
wo	20-10				20:29	63		20:36	63		20:19	-38		21:10	57		20:57	73		21:29	63		20:42	44
do	21-10			02:01		396	02:47		473	2:31		398	03:08		454	2:14		396	02:46		386	2:08		402
do	21-10				08:42	60		08:52	70		8:35	-35		09:27	60		9:10	70		09:42	60		9:02	42
do	21-10			14:13		401	14:56		478	14:40		404	15:19		460	14:26		401	14:58		391	14:24		403
do	21-10				20:57	72		21:08	73		20:47	-29		21:43	66		21:25	82		21:57	72		20:47	49
vr	22-10			02:28		396	03:11		470	2:55		397	03:36		453	2:41		396	03:13		386	2:39		399
vr	22-10				09:09	70		09:21	70		9:01	-35		09:57	60		9:37	80		10:09	70		9:08	52
vr	22-10			14:44		397	15:23		474	15:07		400	15:50		456	14:57		397	15:29		387	14:55		395
vr	22-10				21:22	72		21:35	74		21:13	-28		22:11	67		21:50	82		22:22	72		21:08	50
za	23-10			03:00		399	03:35		478	3:19		403	04:05		459	3:13		399	03:45		389	3:09		398
za	23-10				09:37	60		09:49	70		9:27	-35		10:25	60		10:05	70		10:37	60		9:19	42
za	23-10			15:17		395	15:51		476	15:35		401	16:23		457	15:30		395	16:02		385	15:22		392
za	23-10				21:51	72		22:03	73		21:43	-30		22:39	65		22:19	82		22:51	72		21:32	51
zo	24-10			03:36		402	04:08		486	3:52		410	04:38		466	3:49		402	04:21		392	3:36		399
zo	24-10				10:10	70		10:20	70		10:00	-35		10:54	60		10:38	80		11:10	70		9:47	42
zo	24-10			15:53		392	16:25		476	16:09		400	16:57		456	16:06		392	16:38		382	15:47		390
zo	24-10				22:25	81		22:33	80		22:18	-23		23:08	72		22:53	91		23:25	81		21:59	59
ma	25-10			04:12		400	04:43		487	4:27		410	05:14		466	4:25		400	04:57		390	4:02		398
ma	25-10				10:45	80		10:53	80		10:36	-25		11:26	70		11:13	90		11:45	80		10:18	52
ma	25-10			16:28		385	17:01		468	16:45		393	17:31		449	16:41		385	17:13		375	16:14		385
ma	25-10				22:57	101		23:04	100		22:54	-5		23:38	90		23:25	111		23:57	101		22:29	75
di	26-10			04:43		394	05:19		480	5:03		404	05:50		460	4:56		394	05:28		384	4:29		394
di	26-10				11:20	100		11:26	100		11:11	-5		11:58	90		11:48	110		12:20	100		10:53	72
di	26-10			17:00		375	17:36		454	17:20		382	18:07		438	17:13		375	17:45		365	16:45		377
di	26-10				23:29	124		23:35	125		23:29	15		00:08	110		23:57	130		00:29	120		23:03	98
wo	27-10			05:13		388	05:55		470	5:39		396	06:08		452	5:26		388	05:58		378	5:00		389
wo	27-10				11:57	120		12:00	120		11:48	19		06:26	110		11:38	120		12:00	120		11:31	92
wo	27-10			17:41		365	18:14		439	17:58		371	18:07		438	17:45		365	17:45		365	17:23		366
wo	27-10				00:05	140		00:09	140		0:08	35		18:46	427		17:54	365		18:26	355		23:42	123

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
dag datum		tijd	fase	54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
maand	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
do	28-10	0:22	EK		00:05	140		00:09	140		0:08	35		00:43	130		0:33	150		01:05	140	5:44		382
do	28-10			06:00		384	06:34		461	6:18		391	07:07		447	6:13		384	06:45		374		12:18	122
do	28-10				12:43	138		12:42	145		12:32	35		13:14	130		13:11	148		13:43	138	18:31		353
do	28-10			18:41		358	19:02		428	18:46		362	19:36		418	18:54		358	19:26		348		0:34	142
vr	29-10				00:55	150		00:55	160		0:28	45		01:29	140		1:23	160		01:55	150		0:34	142
vr	29-10			06:06		384	06:27		456	6:11		390	07:03		446	6:19		384	06:51		374	6:17		378
vr	29-10				12:40	142		12:37	157		12:30	46		13:09	141		13:08	152		13:40	142		12:30	137
vr	29-10			18:48		358	19:05		424	18:49		361	19:41		417	19:01		358	19:33		348	19:07		353
za	30-10				00:57	155		00:59	173		1:04	61		01:31	156		1:25	165		01:57	155		0:55	155
za	30-10			07:14		389	07:36		458	7:20		394	08:13		450	7:27		389	07:59		379	7:37		386
za	30-10				13:46	133		13:51	154		13:42	45		14:20	140		14:14	143		14:46	133		14:07	127
za	30-10			19:59		366	20:21		431	20:05		369	20:55		425	20:12		366	20:44		356	20:14		365
zo	31-10				02:06	142		02:21	164		2:21	54		02:48	149		2:34	152		03:06	142		2:29	137
zo	31-10			08:25		399	08:54		469	8:38		405	09:28		461	8:38		399	09:10		389	8:40		401
zo	31-10				14:59	113		15:17	131		15:00	24		15:46	119		15:27	123		15:59	113		15:16	98
zo	31-10			21:09		380	21:39		448	21:23		383	22:09		439	21:22		380	21:54		370	21:15		381



getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E		53°24'35"N 8°11'18"E		53°32'42.0"N, 8°34'5.2"E		53°55'04"N 8°29'11"E		53°52'04"N 8°43'03"E		54°04'07"N 8°38'16"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
ma	1-11				03:23	120		03:44	135		3:36	28		04:15	123		3:51	130		04:23	120		3:35	106
ma	1-11			09:34		409	10:05		485	9:49		416	10:36		472	9:47		409	10:19		399	9:39		412
ma	1-11				16:12	88		16:26	97		16:08	-7		16:58	88		16:40	98		17:12	88		16:15	70
ma	1-11			22:12		390	22:44		467	22:28		396	23:14		452	22:25		390	22:57		380	22:11		392
di	2-11				04:38	94		04:49	104		4:38	-1		05:23	94		5:06	104		05:38	94		4:31	79
di	2-11			10:35		414	11:04		495	10:48		422	11:34		478	10:48		414	11:20		404	10:32		417
di	2-11				17:13	68		17:22	73		17:04	-30		17:55	65		17:41	78		18:13	68		17:11	52
di	2-11			23:06		395	23:37		476	23:21		403	00:07		459	23:19		395	23:51		385	23:01		396
wo	3-11				05:36	74		05:43	83		5:29	-22	00:07		459		6:04	84		06:36	74		5:20	63
wo	3-11			11:24		413	11:54		498	11:38		422	06:17		73	11:37		413	12:09		403	11:19		415
wo	3-11				18:06	57		18:10	59		5:52	-42	12:23		478		18:34	67		19:06	57		18:12	45
wo	3-11			23:50		394	00:22		477	0:06		403	18:45		53	0:03		394	00:35		384	23:43		394
do	4-11				06:26	62	00:22		477	0:06		403	00:52		459	0:03		394	00:35		384	23:43		394
do	4-11	6:23 VM		12:05		410		06:30	70		6:14	-34	07:06		61		6:54	72		07:26	62		5:52	55
do	4-11				18:52	52	12:38		497	12:22		420	13:07		476	12:18		410	12:50		400	6:18		56
do	4-11			00:26		393		18:55	53		18:34	-48	19:31		47		19:20	62		19:52	52		6:38	56
vr	5-11			00:26		393	01:03		477	0:47		402	01:33		458	0:39		393	01:11		383	0:23		392
vr	5-11				07:11	55		07:13	59		6:55	-44	07:51		51		7:39	65		08:11	55		6:23	47
vr	5-11			12:43		410	13:20		497	13:04		420	13:50		476	12:56		410	13:28		400	6:57		50
vr	5-11				19:35	51		19:37	47		19:15	-54	20:15		41		20:03	61		20:35	51		7:37	49
za	6-11			01:04		396	01:42		479	1:26		405	02:13		461	1:17		396	01:49		386	1:05		393
za	6-11				07:54	49		07:55	47		7:36	-56	08:34		39		8:22	59		08:54	49		7:03	37
za	6-11			13:25		410	14:03		498	13:47		421	14:33		477	13:38		410	14:10		400	7:44		41
za	6-11				20:16	50		20:18	43		19:56	-58	20:58		37		20:44	60		21:16	50		8:20	41
zo	7-11			01:48		401	02:22		485	2:06		411	02:54		467	2:01		401	02:33		391	1:53		396
zo	7-11				08:35	43		08:38	37		8:19	-65	09:18		30		9:03	53		09:35	43		7:51	29
zo	7-11			14:14		408	14:48		495	14:32		420	15:19		476	14:27		408	14:59		398	14:21		404
zo	7-11				20:54	52		21:00	43		20:40	-57	21:39		38		21:22	62		21:54	52		20:19	33
ma	8-11			02:36		403	03:05		488	2:49		415	03:37		471	2:49		403	03:21		393	2:43		398
ma	8-11				09:16	42		09:22	35		9:04	-66	10:01		29		9:44	52		10:16	42		8:46	24
ma	8-11			15:05		400	15:35		484	15:19		411	16:06		467	15:18		400	15:50		390	15:12		397
ma	8-11				21:32	59		21:42	53			-46	22:20		49		22:00	69		22:32	59		21:11	37
di	9-11			03:25		400	03:51		485	3:35		412	04:23		468	3:38		400	04:10		390	3:29		396
di	9-11				09:58	48		10:07	44		9:52	-56	10:43		39		10:26	58		10:58	48		9:42	26
di	9-11			15:57		384	16:25		466	16:09		395	16:57		451	16:10		384	16:42		374	16:01		384
di	9-11				22:11	72		22:25	73		22:16	-28	23:00		67		22:39	82		23:11	72		22:01	49

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		dag datum tijd fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
				54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
wo	10-11			04:14		390	04:39		474	4:23		403	05:12		459	4:27		390	04:59		380	4:13		389
wo	10-11				10:44	62		10:53	63		10:43	-38		11:27	57		11:12	72		11:44	62		10:33	37
wo	10-11			16:51		365	17:20		443	17:04		376	17:54		432	17:04		365	17:36		355	16:47		365
wo	10-11	21:36	LK		22:54	89		23:12	98		23:11	-5		23:45	90		23:22	99		23:54	89		22:52	67
do	11-11			05:04		377	05:35		458	5:19		390	06:09		446	5:17		377	05:49		367	4:59		378
do	11-11				11:41	79		11:47	86		11:44	-17		12:20	78		12:09	89		12:41	79		11:29	54
do	11-11			17:55		348	18:25		425	18:09		361	19:00		417	18:08		348	18:40		338	17:41		347
do	11-11				23:52	106		00:09	122		0:18	17		00:42	112		0:20	116		00:52	106		23:39	85
vr	12-11			06:10		367		00:09	122		0:18	17		00:42	112		0:20	116		00:52	106		23:39	85
vr	12-11				13:10	88	06:43		447	6:27		382	07:19		438	6:23		367	06:55		357	5:57		368
vr	12-11			19:12		342		12:54	105		12:54	0		13:30	95		13:38	98		14:10	88		12:35	70
vr	12-11				01:36	112	19:37		419	19:21		358	20:12		414	19:25		342	19:57		332	19:04		337
za	13-11				01:36	112		01:26	134		1:32	26		02:04	121		2:04	122		02:36	112		1:06	98
za	13-11			07:35		368	08:00		447	7:44		384	08:34		440	7:48		368	08:20		358	7:30		364
za	13-11				14:24	80		14:14	106		14:09	-3		14:49	92		14:52	90		15:24	80		13:53	75
za	13-11			20:30		351	20:51		429	20:35		368	21:25		424	20:43		351	21:15		341	20:38		346
zo	14-11				02:50	98		02:48	125		2:47	14		03:23	109		3:18	108		03:50	98		2:30	95
zo	14-11			08:55		380	09:15		460	8:59		396	09:47		452	9:08		380	09:40		370	9:04		377
zo	14-11				15:30	67		15:29	91		15:23	-18		16:00	77		15:58	77		16:30	67		15:19	66
zo	14-11			21:41		370	22:04		449	21:48		385	22:36		441	21:54		370	22:26		360	21:49		367
ma	15-11				03:58	80		04:01	104		3:58	-6		04:33	89		4:26	90		04:58	80		3:59	79
ma	15-11			10:02		395	10:24		476	10:08		409	10:55		465	10:15		395	10:47		385	10:12		395
ma	15-11				16:37	55		16:36	72		16:30	-34		17:08	61		17:05	65		17:37	55		16:43	53
ma	15-11			22:40		385	23:09		468	22:53		400	23:38		456	22:53		385	23:25		375	22:46		388
di	16-11				05:04	66		05:07	83		5:01	-25		05:40	70		5:32	76		06:04	66		5:24	61
di	16-11			10:57		401	11:26		484	11:10		413	11:53		469	11:10		401	11:42		391	11:05		404
di	16-11				17:36	50		17:35	61		17:28	-44		18:09	51		18:04	60		18:36	50		17:51	44
di	16-11			23:27		392	00:02		475	23:46		403	00:29		459	23:40		392	00:12		382	23:31		397
wo	17-11				05:59	58	00:02		475	23:46		403	00:29		459	23:40		392	00:12		382		6:21	50
wo	17-11			11:42		397		06:02	71		17:53	-36		06:36	59		6:27	68		06:59	58	11:48		401
wo	17-11				18:23	55	12:17		479	12:01		405	12:42		461	11:55		397	12:27		387		18:22	43
wo	17-11			00:04		391		18:25	61		18:14	-43		18:58	52		18:51	65		19:23	55	0:06		397
do	18-11			00:04		391	00:44		471	0:28		398	01:08		454	0:17		391	00:49		381	0:06		397
do	18-11				06:43	61		06:47	70		6:35	-36		07:22	59		7:11	71		07:43	61		7:00	49
do	18-11	12:42	NM	12:18		387	12:58		466	12:42		393	13:21		449	12:31		387	13:03		377	12:23		391
do	18-11				18:59	65		19:05	69		18:50	-35		19:38	60		19:27	75		19:59	65		18:36	46

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
vr	19-11			00:33		390	01:14		466	0:58		395	01:38		451	0:46		390	01:18		380	0:36		394
vr	19-11				07:17	67		07:24	72		7:05	-33		07:59	62		7:45	77		08:17	67		7:12	50
vr	19-11			12:47		382	13:29		458	13:13		388	13:54		444	13:00		382	13:32		372	12:53		384
vr	19-11				19:27	72		19:37	75		19:17	-30		20:12	65		19:55	82		20:27	72		19:06	47
za	20-11			01:00		394	01:37		471	1:21		401	02:04		457	1:13		394	01:45		384	1:05		396
za	20-11				07:45	68		07:54	71		7:30	-34		08:30	61		8:13	78		08:45	68		7:26	48
za	20-11			13:17		383	13:56		461	13:40		392	14:25		448	13:30		383	14:02		373	13:23		383
za	20-11				19:53	72		20:06	74		19:45	-32		20:42	63		20:21	82		20:53	72		19:38	47
zo	21-11			01:33		403	02:06		484	1:50		415	02:36		471	1:46		403	02:18		393	1:36		402
zo	21-11				08:14	67		08:25	66		8:00	-38		09:01	57		8:42	77		09:14	67		7:55	46
zo	21-11			13:53		388	14:27		470	14:11		400	14:59		456	14:06		388	14:38		378	13:54		387
zo	21-11				20:25	73		20:37	73		20:18	424		21:13	63		20:53	83		21:25	73		20:08	52
ma	22-11			02:11		409	02:42		495	2:26		-37	03:12		480	2:24		409	02:56		399	2:09		407
ma	22-11				08:49	71		08:58	67		8:37	402		09:33	58		9:17	81		09:49	71		8:28	50
ma	22-11			14:33		389	15:04		473	14:48		402	15:36		458	14:46		389	15:18		379	14:27		389
ma	22-11				21:01	84		21:09	82		20:56	-22		21:46	73		21:29	94		22:01	84		20:38	64
di	23-11			02:49		409	03:20		496	3:04		424	03:50		480	3:02		409	03:34		399	2:41		408
di	23-11				09:25	84		09:33	80		9:14	-25		10:07	70		9:53	94		10:25	84		9:02	62
di	23-11			15:12		384	15:40		466	15:24		396	16:12		452	15:25		384	15:57		374	15:00		384
di	23-11				21:35	104		21:42	103		21:31	-2		22:17	93		22:03	114		22:35	104		21:09	83
wo	24-11			03:25		404	03:55		488	3:39		416	04:25		472	3:38		404	04:10		394	3:11		403
wo	24-11				10:01	102		10:06	101		9:49	-5		10:40	90		10:29	112		11:01	102		9:36	80
wo	24-11			15:49		373	16:15		451	15:59		383	16:46		439	16:02		373	16:34		363	15:32		375
wo	24-11				22:07	125		22:12	125		22:05	19		22:46	114		22:35	135		23:07	125		21:40	104
do	25-11			03:57		396	04:28		477	4:12		408	04:58		464	4:10		396	04:42		386	3:40		397
do	25-11				10:37	117		10:39	118		10:22	10		11:12	105		11:05	127		11:37	117		10:09	95
do	25-11			16:27		363	16:49		438	16:33		372	17:21		428	16:40		363	17:12		353	16:04		364
do	25-11				22:42	137		22:44	139		22:40	29		23:18	124		23:10	147		23:42	137		22:15	119
vr	26-11			04:35		391	05:03		471	4:47		403	05:35		459	4:48		391	05:20		381	4:13		392
vr	26-11				11:18	122		11:16	125		11:00	15		11:49	110		11:46	132		12:18	122		10:49	105
vr	26-11	18:03 EK		17:13		356	17:30		429	17:14		365	18:05		421	17:26		356	17:58		346	16:48		355
vr	26-11				23:27	140		23:25	144		23:23	32		00:00	127		23:55	150		00:27	140		22:58	127
za	27-11			05:27		388	05:48		467	5:32		32	00:00		127	23:55		150	00:27		140	5:05		386
za	27-11				12:08	119		12:04	125		11:50	400	06:22		456	5:40		388	06:12		378	11:43		108
za	27-11			18:10		355	18:24		426	18:08		14	12:36		109	12:36		129	13:08		119	18:15		352
za	27-11				00:24	135		00:21	145			363	19:01		419	18:23		355	18:55		345	0:02		129

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
dag datum		tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	28-11				00:24	135		00:21	145		15:16	31		00:54	126		0:52	145		01:24	135		0:02	129
zo	28-11			06:29		387	06:48		464	6:32		398	07:22		454	6:42		387	07:14		377	6:38		384
zo	28-11				13:07	109		13:06	121		12:54	10		13:36	105		13:35	119		14:07	109		13:01	102
zo	28-11			19:12		359	19:32		429	19:16		366	20:09		422	19:25		359	19:57		349	19:27		358
ma	29-11				01:27	123		01:30	140		1:29	28		02:00	123		1:55	133		02:27	123		1:30	118
ma	29-11			07:33		390	07:59		464	7:43		398	08:32		454	7:46		390	08:18		380	7:48		389
ma	29-11				14:13	95		14:20	109		14:07	1		14:48	96		14:41	105		15:13	95		14:18	82
ma	29-11			20:19		368	20:47		439	20:31		375	21:20		431	20:32		368	21:04		358	20:28		369
di	30-11				02:36	108		02:49	125		2:43	16		03:17	111		3:04	118		03:36	108		2:44	94
di	30-11			08:40		393	09:12		470	8:56		401	09:43		457	8:53		393	09:25		383	8:49		396
di	30-11				15:24	79		15:35	88		15:18	-16		16:04	79		15:52	89		16:24	79		15:21	62
di	30-11			21:27		377	21:57		453	21:41		385	22:27		441	21:40		377	22:12		367	21:26		379

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	1-12				03:52	89		04:02	102		3:52	-4		04:33	91		4:20	99		04:52	89		3:43	73
wo	1-12			09:46		396	10:19		477	10:03		405	10:47		461	9:59		396	10:31		386	9:47		399
wo	1-12				16:32	64		16:38	68		16:22	-35		17:10	60		17:00	74		17:32	64		16:15	49
wo	1-12			22:27		383	22:58		464	22:42		393	23:27		449	22:40		383	23:12		373	22:21		384
do	2-12				05:00	71		05:04	81		4:51	-25		05:37	70		5:28	81		06:00	71		4:35	58
do	2-12			10:45		397	11:17		482	11:01		407	11:46		463	10:58		397	11:30		387	10:41		398
do	2-12				17:31	54		17:33	55		17:17	-47		18:07	48		17:59	64		18:31	54		17:03	42
do	2-12			23:18		386	23:49		470	23:33		398	00:18		454	23:31		386	00:03		376	23:11		386
vr	3-12				05:56	58		05:58	65		5:43	-41	00:18		454	23:31		386	00:03		376		5:20	49
vr	3-12			11:35		396	12:09		483	11:53		408		06:33	54		6:24	68		06:56	58	11:31		396
vr	3-12	16:47 VM			18:23	50		18:24	48		6:06	-54	12:38		464	11:48		396	12:20		386		17:44	39
vr	3-12			00:02		389	00:36		474	0:20		402		19:00	41		18:51	60		19:23	50	23:57		-18
za	4-12			00:02		389	00:36		474	0:20		402	01:05		458	0:15		389	00:47		379	23:57		387
za	4-12				06:48	48		06:48	50		6:31	-55		07:25	40		7:16	58		07:48	48		6:02	40
za	4-12			12:22		395	12:59		483	12:43		409	13:29		465	12:35		395	13:07		385	6:32		42
za	4-12				19:11	47		19:12	43		18:54	-60		19:50	35		19:39	57		20:11	47		7:15	42
zo	5-12			00:45		393	01:21		479	1:05		408	01:50		464	0:58		393	01:30		383	0:45		390
zo	5-12				07:36	39		07:36	37		7:19	-68		08:16	27		8:04	49		08:36	39		6:51	30
zo	5-12			13:12		394	13:50		481	13:34		409	14:19		465	13:25		394	13:57		384	7:11		31
zo	5-12				19:57	46		20:00	40		19:42	-63		20:39	32		20:25	56		20:57	46		8:06	30
ma	6-12			01:32		397	02:07		483	1:51		412	02:36		468	1:45		397	02:17		387	1:38		393
ma	6-12				08:24	33		08:24	27		8:08	-78		09:05	17		8:52	43		09:24	33		8:51	18
ma	6-12			14:04		391	14:41		476	14:25		405	15:10		461	14:17		391	14:49		381	14:14		389
ma	6-12				20:41	48		20:46	41		20:31	-61		21:26	34		21:09	58		21:41	48		21:06	29
di	7-12			02:23		400	02:54		484	2:38		414	03:23		470	2:36		400	03:08		390	2:32		395
di	7-12				09:11	32		09:13	25		8:57	-78		09:53	17		9:39	42		10:11	32		9:31	13
di	7-12			14:58		383	15:32		466	15:16		396	16:00		452	15:11		383	15:43		373	15:10		383
di	7-12				21:25	55		21:32	51		21:21	-68		22:11	45		21:53	65		22:25	55		21:38	34
wo	8-12			03:14		397	03:42		480	3:26		384	04:11		467	3:27		397	03:59		387	3:23		394
wo	8-12				09:58	39		10:00	35		9:46	-34		10:39	27		10:26	49		10:58	39		9:53	17
wo	8-12			15:51		372	16:22		451	16:06		404	16:51		440	16:04		372	16:36		362	16:00		371
wo	8-12				22:08	67		22:18	68		22:10	-34		22:55	61		22:36	77		23:08	67		21:59	44
do	9-12			04:04		390	04:31		472	4:15		404	05:00		460	4:17		390	04:49		380	4:06		387
do	9-12				10:48	52		10:47	52		10:36	-50		11:24	45		11:16	62		11:48	52		10:25	28
do	9-12			16:45		358	17:13		435	16:57		370	17:43		426	16:58		358	17:30		348	16:45		356
do	9-12				22:54	82		23:04	87		23:02	-15		23:39	80		23:22	92		23:54	82		22:38	58

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maand		dag datum		54,0000° N, 8,4833° E	53°30'60"N 8°09'00"E		53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm		
vr	10-12	04:55		380	05:23		462	5:07		395	05:53		451	5:08		380	05:40		370	4:46		379		
vr	10-12	8:51 LK	11:45	67	11:37		72	11:29	-31		12:13		64	12:13	77		12:45		67	11:10		43		
vr	10-12		17:42	346	18:08		423	17:52	361		18:40		417	17:55	346		18:27		336	17:30		343		
vr	10-12		23:53	95	23:55		105	23:58	0		00:30		95	0:21	10		00:53		0	23:28		72		
za	11-12		05:53	371	06:21		452	6:05	388		00:30		95	0:21	105		00:53		95	5:33		371		
za	11-12		12:48	75	12:34		87	12:28	-18		06:54		444	6:06	371		06:38		361	12:04		57		
za	11-12		18:45	340	19:08		418	18:52	357		13:10		77	13:16	85		13:48		75	18:33		336		
za	11-12		01:06	99	00:57		116	1:01	9		19:42		413	18:58	340		19:30		330	0:29		82		
zo	12-12		01:06	99	00:57		116	1:01	9		01:34		104	1:34	109		02:06		99	0:29		82		
zo	12-12		07:03	366	07:27		447	7:11	384		08:01		440	7:16	366		07:48		356	6:44		363		
zo	12-12		13:50	74	13:39		93	13:34	-14		14:14		81	14:18	84		14:50		74	13:10		65		
zo	12-12		19:53	343	20:14		420	19:58	360		20:49		416	20:06	343		20:38		333	19:56		339		
ma	13-12		02:14	93	02:08		116	2:09	6		02:43		101	2:42	103		03:14		93	1:43		84		
ma	13-12		08:15	367	08:37		447	8:21	384		09:10		440	8:28	367		09:00		357	8:20		364		
ma	13-12		14:50	67	14:48		89	#####	-20		15:19		75	15:18	77		15:50		67	14:25		63		
ma	13-12		21:00	353	21:23		430		368		21:57		424	21:13	353		21:45		343	21:06		352		
di	14-12		03:18	81	03:19		105	16:45	-5		03:51		90	3:46	91		04:18		81	3:02		75		
di	14-12		09:23	370	09:47		450	9:31	384		10:19		440	9:36	370		10:08		360	9:32		370		
di	14-12		15:52	61	15:54		79	15:52	-29		16:24		66	16:20	71		16:52		61	15:35		55		
di	14-12		22:02	363	22:30		442	22:14	377		23:02		433	22:15	363		22:47		353	22:06		366		
wo	15-12		04:26	68	04:28		89	4:25	-19		04:59		76	4:54	78		05:26		68	4:16		61		
wo	15-12		10:24	370	10:53		451	10:37	382		11:23		438	10:37	370		11:09		360	10:31		374		
wo	15-12		16:56	56	16:56		71	16:54	-36		17:27		59	17:24	66		17:56		56	16:35		47		
wo	15-12		22:54	370	23:27		450	23:11	381		23:56		437	23:07	370		23:39		360	22:56		375		
do	16-12		05:28	58	05:28		75	5:22	-32		06:01		63	5:56	68		06:28		58	5:26		50		
do	16-12		11:14	367	11:49		447	11:33	376		12:16		432	11:27	367		11:59		357	11:19		371		
do	16-12		17:49	57	17:50		69	17:44	-38		18:22		57	18:17	67		18:49		57	17:26		44		
do	16-12		23:35	374	00:12		452	23:56	382		00:37		438	23:48	374		00:20		364	23:35		377		
vr	17-12		06:16	56	00:12		452	23:56	382		00:37		438	23:48	374		00:20		364	6:13		46		
vr	17-12		11:55	362	06:18		69	18:06	-39		06:51		56	6:44	66		07:16		56	11:57		365		
vr	17-12		18:30	64	12:33		440	12:17	371		12:58		427	12:08	362		12:40		352	18:07		45		
vr	17-12		00:08	378	18:34		72	18:23	-35		19:07		60	18:58	74		19:30		64	0:08		379		
za	18-12		00:08	378	00:45		455	0:29	387		01:08		443	0:21	378		00:53		368	0:08		379		
za	18-12	7:30 NM	06:54	60	06:58		69	6:39	-40		07:31		55	7:22	70		07:54		60	6:35		46		
za	18-12		12:28	363	13:06		440	12:50	372		13:31		428	12:41	363		13:13		353	12:29		364		
za	18-12		19:03	70	19:11		75	18:53	-33		19:44		62	19:31	80		20:03		70	18:42		47		

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
maan		54,0000° N, 8,4833° E		53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E					
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	19-12			00:39		386	01:13		465	0:57		400	01:38		456	0:52		386	01:24		376	0:38		387
zo	19-12				07:26	64		07:32	68		7:08	-40		08:07	55		7:54	74		08:26	64		7:02	45
zo	19-12			13:00		370	13:35		448	13:19		383	14:04		439	13:13		370	13:45		360	12:58		370
zo	19-12				19:34	72		19:44	74		19:24	-34		20:19	61		20:02	82		20:34	72		19:15	48
ma	20-12			01:13		398	01:45		481	1:29		416	02:13		472	1:26		398	01:58		388	1:10		398
ma	20-12				07:58	66		08:06	65		7:40	-43		08:41	52		8:26	76		08:58	66		7:35	44
ma	20-12			13:36		379	14:08		460	13:52		395	14:39		451	13:49		379	14:21		369	13:30		380
ma	20-12				20:07	74		20:17	74		19:59	-34		20:53	61		20:35	84		21:07	74		19:49	52
di	21-12			01:50		407	02:22		492	2:06		426	02:51		482	2:03		407	02:35		397	1:45		407
di	21-12				08:32	68		08:41	66		8:17	-42		09:16	53		9:00	78		09:32	68		8:12	46
di	21-12			14:14		383	14:45		465	14:29		399	15:17		455	14:27		383	14:59		373	14:07		385
di	21-12				20:42	81		20:52	80			-27		21:27	68		21:10	91		21:42	81		20:22	61
wo	22-12			02:28		409	02:59		493	2:43		426	03:28		482	2:41		409	03:13		399	2:20		410
wo	22-12				09:08	76		09:16	74		8:54	-33		09:51	62		9:36	86		10:08	76		8:49	54
wo	22-12			14:54		380	15:22		459	15:06		393	15:52		449	15:07		380	15:39		370	14:46		382
wo	22-12				21:16	94		21:25	95		21:11	-12		22:00	83		21:44	104		22:16	94		20:54	75
do	23-12			03:04		403	03:33		485	3:17		418	04:02		474	3:17		403	03:49		393	2:55		404
do	23-12				09:42	86		09:49	87		9:27	-20		10:24	75		10:10	96		10:42	86		9:23	65
do	23-12			15:31		370	15:54		446	15:38		381	16:25		437	15:44		370	16:16		360	15:22		371
do	23-12				21:48	106		21:55	109		21:43	2		22:29	97		22:16	116		22:48	106		21:24	87
vr	24-12			03:39		394	04:04		476	3:48		410	04:33		466	3:52		394	04:24		384	3:25		395
vr	24-12				10:17	93		10:21	96		9:59	-12		10:55	83		10:45	103		11:17	93		9:52	72
vr	24-12			16:07		358	16:26		434	16:10		370	16:58		426	16:20		358	16:52		348	15:53		360
vr	24-12				22:23	110		22:26	115		22:15	5		22:59	100		22:51	120		23:23	110		21:54	92
za	25-12			04:15		387	04:37		471	4:21		404	05:08		460	4:28		387	05:00		377	3:54		389
za	25-12				10:54	93		10:55	96		10:33	-14		11:27	81		11:22	103		11:54	93		10:24	72
za	25-12			16:46		351	17:02		429	16:46		364	17:36		420	16:59		351	17:31		341	16:23		353
za	25-12				23:04	107		23:02	111		22:54	-1		23:35	94		23:32	117		00:04	107		22:31	89
zo	26-12			04:56		382	05:18		468	5:02		401	05:49		457		23:32	117		00:04	107	4:29		385
zo	26-12				11:38	88		11:36	91		11:16	-21		12:08	74	5:09		382	05:41		372		11:07	68
zo	26-12			17:31		348	17:46		427	17:30		361	18:23		417		12:06	98		12:38	88	17:08		350
zo	26-12				23:53	101		23:49	107		23:41	-7		00:22	88	17:44		348	18:16		338		23:22	85
ma	27-12			05:47		379	06:09		463	5:53		396	00:22		88		0:21	111		00:53	101	5:30		380
ma	27-12	10:20 EK			12:30	83		12:28	89		12:10	-24	06:41		452	6:00		379	06:32		369		12:06	65
ma	27-12			18:24		349	18:44		426	18:28		360		12:59	71		12:58	93		13:30	83	18:26		349
ma	27-12				00:50	95		00:48	107		0:41	-7	19:20		416	18:37		349	19:09		339		0:33	-18

getijden 2016				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse 8:41			Bremerhaven, Alter Leuchtturm			Neuwerk			Cuxhaven, Steubenhöft			Trischen, West		
dag	datum	tijd	fase	54,0000° N, 8,4833° E			53°30'60"N 8°09'00"E			53°24'35"N 8°11'18"E			53°32'42.0"N, 8°34'5.2"E			53°55'04"N 8°29'11"E			53°52'04"N 8°43'03"E			54°04'07"N 8°38'16"E		
				HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
di	28-12				00:50	95		00:48	107		0:41	-7		01:20	88		1:18	105		01:50	95		0:33	82
di	28-12			06:46		377	07:11		457	6:55		389	07:42		445	6:59		377	07:31		367	6:53		377
di	28-12				13:30	80		13:32	89		13:15	-22		14:00	73		13:58	90		14:30	80		13:18	61
di	28-12			19:24		351	19:52		426	19:36		360	20:27		416	19:37		351	20:09		341	19:34		353
wo	29-12				01:53	91		01:58	107		1:51	-6		02:27	89		2:21	101		02:53	91		1:50	73
wo	29-12			07:48		375	08:22		453	8:06		385	08:51		441	8:01		375	08:33		365	8:00		377
wo	29-12				14:39	76		14:45	85		14:28	-23		15:13	72		15:07	86		15:39	76		14:27	54
wo	29-12			20:29		355	21:07		430	20:51		364	21:37		420	20:42		355	21:14		345	20:36		358
do	30-12				03:08	83		03:15	99		3:05	-11		03:44	84		3:36	93		04:08	83		2:57	62
do	30-12			08:52		374	09:35		453	9:19		383	10:01		439	9:05		374	09:37		364	9:01		378
do	30-12				15:52	68		15:57	73		15:40	-32		16:27	63		16:20	78		16:52	68		15:29	47
do	30-12			21:38		361	22:17		439	22:01		372	22:45		428	21:51		361	22:23		351	21:37		362
vr	31-12				04:25	69		04:27	82		4:14	-28		04:59	67		4:53	79		05:25	69		3:57	51
vr	31-12			10:01		374	10:44		457	10:28		385	11:10		441	10:14		374	10:46		364	10:02		377
vr	31-12				16:59	58		17:01	60		5:14	-45		17:33	50		17:27	68		17:59	58		16:28	42
vr	31-12			22:43		366	23:19		450	20:00		381	23:46		437	22:56		366	23:28		356	22:36		366