

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	1-1			05:29		57	05:31		67	5:15		52,2	06:04		54	5:58		67	06:30		57	4:56		44
ma	1-1			11:12		372	11:48		458	11:32		387	12:16		443	11:25		372	11:57		362	11:04		374
ma	1-1			17:58		53	18:00		54	17:44		-51	18:35		44	18:26		63	18:58		53	17:28		40
ma	1-1			23:43		370	00:15		456	23:59		387	00:43		443	23:56		370	00:28		360	23:34		368
di	2-1			06:29		42	00:15		456	23:59		387	00:43		443	23:56		370	00:28		360	6:00		32
di	2-1			12:14		374	06:30		47	6:14		-60	07:06		35	6:57		52	07:29		42	6:04		32
di	2-1			18:54		46	12:48		462	12:32		392	13:16		448	12:27		374	12:59		364	6:49		32
di	2-1			00:35		376	18:57		45	18:41		-60	19:34		35	19:22		56	19:54		46	0:32		375
wo	3-1			00:35		376	01:09		465	0:53		396	01:35		452	0:48		376	01:20		366	0:32		375
wo	3-1			07:26		30	07:27		31	7:11		-76	08:05		19	7:54		40	08:26		30	7:51		15
wo	3-1			13:10		375	13:46		464	13:30		394	14:12		450	13:23		375	13:55		365	13:11		377
wo	3-1			19:47		41	19:52		40	19:36		-65	20:30		30	20:15		51	20:47		41	20:13		21
do	4-1			01:26		382	02:02		471	1:46		402	02:26		458	1:39		382	02:11		372	1:30		382
do	4-1			08:21		21	08:21		20	8:05		-87	09:00		8	8:49		31	09:21		21	8:44		2
do	4-1			14:03		374	14:41		462	14:25		392	15:05		448	14:16		374	14:48		364	14:12		377
do	4-1			20:37		39	20:43		39	20:27		-65	21:21		30	21:05		49	21:37		39	21:03		16
vr	5-1			02:17		386	02:53		474	2:37		403	03:15		459	2:30		386	03:02		376	2:28		386
vr	5-1			09:11		19	09:11		19	8:55		-86	09:50		9	9:39		29	10:11		19	9:32		-1
vr	5-1			14:54		370	15:33		456	15:17		384	15:55		440	15:07		370	15:39		360	15:06		373
vr	5-1	20:47	EK	21:24		43	21:30		45	21:14		-58	22:08		37	21:52		53	22:24		43	21:48		20
za	6-1			03:06		387	03:42		473	3:26		401	04:02		457	3:19		387	03:51		377	3:19		385
za	6-1			09:59		26	09:58		28	9:42		-75	10:36		20	10:27		36	10:59		26	10:13		8
za	6-1			15:43		362	16:20		445	16:04		374	16:43		430	15:56		362	16:28		352	15:55		364
za	6-1			22:09		52	22:14		56	21:58		-45	22:51		50	22:37		62	23:09		52	22:23		32
zo	7-1			03:54		383	04:26		468	4:10		396	04:48		452	4:07		383	04:39		373	4:03		380
zo	7-1			10:44		40	10:41		44	10:25		-59	11:17		36	11:12		50	11:44		40	10:23		24
zo	7-1			16:31		353	17:03		433	16:47		364	17:28		420	16:44		353	17:16		343	16:37		351
zo	7-1			22:52		64	22:55		69	22:39		-32	23:30		63	23:20		74	23:52		64	22:28		45
ma	8-1			04:41		376	05:10		461	4:54		390	05:35		446	4:54		376	05:26		366	4:37		373
ma	8-1			11:28		54	11:23		59	11:07		-43	11:57		52	11:56		64	12:28		54	10:48		37
ma	8-1			17:19		343	17:46		424	17:30		357	18:14		413	17:32		343	18:04		333	17:11		340
ma	8-1			23:36		74	23:37		81	23:21		-22	00:10		73	0:04		84	00:36		74	23:01		53
di	9-1			05:30		367	05:58		454	5:42		-22	00:10		73	0:04		84	00:36		74	5:08		366
di	9-1			12:15		64	12:08		71	11:52		384	06:26		440	5:43		367	06:15		357	11:31		46
di	9-1			18:10		336	18:34		418	18:18		-33	12:41		62	12:43		74	13:15		64	17:48		333
di	9-1			00:28		80	00:26		89	0:10		352	19:05		408	18:23		336	18:55		326	23:51		59

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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	
wo	10-1				00:28	80		00:26	89		0:10	-15		00:58	80		0:56	90		01:28	80		5:59		357
wo	10-1			06:26		358	06:52		444	6:36		376	07:24		432	6:39		358	07:11		348		12:26		54
wo	10-1				13:08	69		13:01	80		12:45	-26		13:33	69		13:36	79		14:08	69		18:58		330
wo	10-1			19:08		332	19:30		414	19:14		349	20:03		405	19:21		332	19:53		322		0:55		63
do	11-1				01:28	80		01:25	96		1:09	-11		01:56	84		1:56	90		02:28	80		0:55		63
do	11-1			07:30		349	07:54		434	7:38		366	08:27		422	7:43		349	08:15		339		7:26		347
do	11-1				14:05	68		14:02	85		13:46	-22		14:33	73		14:33	78		15:05	68		13:37		58
do	11-1			20:10		334	20:33		413	20:17		348	21:07		404	20:23		334	20:55		324		20:15		333
vr	12-1				02:32	75		02:33	96		2:17	-11		03:03	84		3:00	85		03:32	75		2:14		63
vr	12-1			08:37		344	09:03		425	8:47		357	09:35		413	8:50		344	09:22		334		8:45		343
vr	12-1	12:34 VM			15:05	65		15:09	86		14:53	-22		15:38	73		15:33	75		16:05	65		14:54		56
vr	12-1			21:13		339	21:41		417	21:25		350	22:14		406	21:26		339	21:58		329		21:19		341
za	13-1				03:40	67		03:45	89		3:29	-18		04:13	77		4:08	77		04:40	67		3:32		55
za	13-1			09:43		341	10:15		421	9:59		352	10:45		408	9:56		341	10:28		331		9:50		343
za	13-1				16:11	62		16:16	82		16:00	-25		16:45	70		16:39	72		17:11	62		16:02		51
za	13-1			22:13		347	22:46		426	22:30		356	23:15		412	22:26		347	22:58		337		22:16		348
zo	14-1				04:50	57		04:52	77		4:36	-30		05:21	65		5:18	67		05:50	57		4:40		46
zo	14-1			10:43		342	11:18		423	11:02		352	11:47		408	10:56		342	11:28		332		10:47		343
zo	14-1				17:14	60		17:17	78		17:01	-29		17:46	66		17:42	70		18:14	60		17:02		48
zo	14-1			23:04		355	23:39		436	23:23		365	00:04		421	23:17		355	23:49		345		23:04		356
ma	15-1				05:47	53		05:48	68		5:32	365	00:04		421		6:15	63		06:47	53		5:37		42
ma	15-1			11:32		344	12:08		426	11:52		-39		06:19	56	11:45		344	12:17		334		11:32		345
ma	15-1				18:03	62		18:07	76		17:51	355	12:35		411		18:31	72		19:03	62		17:51		48
ma	15-1			23:46		365	00:19		447	0:03		-32		18:38	63	23:59		365	00:31		355		23:43		364
di	16-1				06:30	56	00:19		447	0:03		377	00:42		433	23:59		365	00:31		355		23:43		364
di	16-1			12:11		350		06:33	66		6:17	-42		07:05	53		6:58	66		07:30	56		6:16		44
di	16-1				18:43	67	12:46		432	12:30		362	13:11		418	12:24		350	12:56		340		12:08		350
di	16-1			00:23		376		18:49	75		18:33	-33		19:21	62		19:11	77		19:43	67		18:28		51
wo	17-1			00:23		376	00:55		460	0:39		392	01:18		448	0:36		376	01:08		366		0:18		375
wo	17-1				07:07	61		07:12	65		6:56	-42		07:45	53		7:35	71		08:07	61		6:47		45
wo	17-1			12:46		358	13:18		442	13:02		374	13:45		430	12:59		358	13:31		348		12:40		359
wo	17-1				19:18	70		19:26	73		19:10	-34		19:59	61		19:46	80		20:18	70		19:00		52
do	18-1			00:59		388	01:30		474	1:14		407	01:55		463	1:12		388	01:44		378		0:52		388
do	18-1				07:42	63		07:49	63		7:33	-43		08:23	52		8:10	73		08:42	63		7:21		43
do	18-1			13:20		367	13:53		452	13:37		385	14:21		441	13:33		367	14:05		357		13:14		371
do	18-1				19:52	71		20:01	70		19:45	-36		20:36	59		20:20	81		20:52	71		19:33		51

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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			
vr	19-1			01:34		396	02:06		483	1:50		416	02:33		472	1:47		396	02:19		386	1:27		398
vr	19-1				08:17	64		08:25	62		8:09	-44		08:59	51		8:45	74		09:17	64		7:58	41
vr	19-1			13:55		372	14:29		456	14:13		389	14:58		445	14:08		372	14:40		362	13:52		377
vr	19-1	23:13	LK		20:26	72		20:36	72		20:20	-34		21:11	61		20:54	82		21:26	72		20:09	52
za	20-1			02:08		398	02:41		484	2:25		416	03:09		472	2:21		398	02:53		388	2:05		400
za	20-1				08:51	65		09:01	64		8:45	345		09:35	52		9:19	75		09:51	65		8:38	41
za	20-1			14:31		371	15:03		451	14:47		384	15:34		440	14:44		371	15:16		361	14:33		374
za	20-1				20:58	75		21:10	78		20:54	410		21:44	66		21:26	85		21:58	75		20:44	55
zo	21-1			02:43		394	03:14		478	2:58		410	03:41		466	2:56		394	03:28		384	2:42		395
zo	21-1				09:24	66		09:34	68		9:18	-39		10:09	56		9:52	76		10:24	66		9:13	43
zo	21-1			15:08		363	15:35		441	15:19		375	16:06		431	15:21		363	15:53		353	15:12		365
zo	21-1				21:29	77		21:40	84		21:24	-23		22:15	72		21:57	87		22:29	77		21:13	59
ma	22-1			03:19		386	03:44		471	3:28		403	04:12		459	3:32		386	04:04		376	3:17		386
ma	22-1				09:55	67		10:05	72		9:49	-36		10:39	59		10:23	77		10:55	67		9:40	45
ma	22-1			15:45		354	16:04		432	15:48		367	16:37		423	15:58		354	16:30		344	15:45		354
ma	22-1				22:03	75		22:10	84		21:54	-24		22:43	71		22:31	85		23:03	75		21:39	58
di	23-1			03:56		379	04:16		467	4:00		399	04:46		455	4:09		379	04:41		369	3:48		379
di	23-1				10:30	65		10:36	71		10:20	-37		11:08	58		10:58	75		11:30	65		10:06	42
di	23-1			16:22		346	16:37		428	16:21		361	17:12		417	16:35		346	17:07		336	16:13		347
di	23-1				22:41	71		22:44	79		22:28	-31		23:15	64		23:09	81		23:41	71		22:10	51
wo	24-1			04:34		374	04:54		464	4:38		395	05:25		451	4:47		374	05:19		364	4:17		375
wo	24-1				11:10	63		11:12	69		10:56	-41		11:43	54		11:38	73		12:10	63		10:42	39
wo	24-1			17:00		341	17:16		426	17:00		357	17:52		413	17:13		341	17:45		331	16:41		344
wo	24-1				23:24	68		23:24	76		23:08	-36		23:55	59		23:52	78		00:24	68		22:53	47
do	25-1			05:15		369	05:39		458	5:23		388	06:10		444	5:28		369	06:00		359	5:00		372
do	25-1				11:56	66		11:57	72		11:41	-39		12:27	56		11:41	369	06:00		359	11:31		40
do	25-1			17:41		338	18:03		420	17:47		351	18:39		407	17:24		338	18:26		328	17:29		341
do	25-1				00:15	71		00:14	82		23:58	-31		00:45	64		17:54	338	18:26		328	23:51		50
vr	26-1				00:15	71		00:14	82		23:58	-31		00:45	64		0:43	81		01:15	71		6:07	366
vr	26-1			06:05		364	06:33		447	6:17		377	07:04		433	6:18		364	06:50		354	12:35		48
vr	26-1				12:51	73		12:52	83		12:36	-28		13:22	67		13:19	83		13:51	73		18:41	336
vr	26-1			18:34		335	19:02		411	18:46		344	19:38		400	18:47		335	19:19		325	1:05		56
za	27-1				01:13	77		01:16	94		1:00	-20		01:46	75		1:41	87		02:13	77		1:05	56
za	27-1			07:04		356	07:40		433	7:24		365	08:09		421	7:17		356	07:49		346	7:17		359
za	27-1				13:56	81		14:03	93		13:47	-15		14:31	80		14:24	91		14:56	81		13:46	54
za	27-1			19:37		333	20:19		405	20:03		340	20:51		396	19:50		333	20:22		323	19:49		334

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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			
zo	28-1				02:27	80		02:35	99		2:19	-12		03:03	83		2:55	90		03:27	80		2:20	56
zo	28-1	1:07	NM	08:12		350	09:00		426	8:44		358	09:25		414	8:25		350	08:57		340	8:23		353
zo	28-1				15:18	79		15:23	90		15:07	-17		15:54	78		15:46	89		16:18	79		14:57	54
zo	28-1			20:54		334	21:43		411	21:27		344	22:10		400	21:07		334	21:39		324	20:57		335
ma	29-1				03:55	70		03:58	87		3:42	-24		04:29	71		4:23	80		04:55	70		3:30	48
ma	29-1			09:32		348	10:21		430	10:05		360	10:47		416	9:45		348	10:17		338	9:31		351
ma	29-1				16:34	66		16:37	75		16:21	-32		17:10	63		17:02	76		17:34	66		16:07	48
ma	29-1			22:18		342	22:57		426	22:41		358	23:24		414	22:31		342	23:03		332	22:08		342
di	30-1				05:09	51		05:12	63		4:56	-47		05:44	48		5:37	61		06:09	51		4:41	34
di	30-1			11:03		353	11:34		441	11:18		371	12:04		427	11:16		353	11:48		343	10:46		354
di	30-1				17:41	51		17:45	58		17:29	-50		18:19	45		18:09	61		18:41	51		17:22	37
di	30-1			23:32		355	00:01		444	23:45		375	00:27		431	23:45		355	00:17		345	23:19		353
wo	31-1				06:18	32	00:01		444	23:45		375	00:27		431	23:45		355	00:17		345		6:23	18
wo	31-1			12:12		362		06:20	39		6:04	-70		06:55	25		6:46	42		07:18	32	12:04		362
wo	31-1				18:44	38	12:40		453	12:24		384	13:07		440	12:25		362	12:57		352		19:03	21
wo	31-1			00:30		367		18:49	41		18:33	-66		19:25	29		19:12	48		19:44	38	0:25		365

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
do	1-2			00:30		367	01:00		459	0:44		389	01:23		445	0:43		367	01:15		357	0:25		365
do	1-2				07:21	17		07:22	21		7:06	-88		07:58	7		7:49	27		08:21	17		7:40	1
do	1-2			13:07		368	13:40		460	13:24		390	14:03		446	13:20		368	13:52		358	13:07		369
do	1-2				19:40	28		19:47	30		19:31	-76		20:22	19		20:08	38		20:40	28		20:04	7
vr	2-2			01:21		375	01:55		469	1:39		398	02:15		454	1:34		375	02:06		365	1:24		375
vr	2-2				08:14	9		08:16	12		8:00	-95		08:53	0		8:42	19		09:14	9		8:36	-9
vr	2-2			13:56		369	14:34		462	14:18		390	14:54		446	14:09		369	14:41		359	14:02		372
vr	2-2				20:29	24		20:37	27		20:21	-78		21:13	17		20:57	34		21:29	24		20:55	1
za	3-2			02:09		380	02:45		474	2:29		399	03:04		455	2:22		380	02:54		370	2:18		381
za	3-2				09:01	10		09:04	14		8:48	-92		09:40	3		9:29	20		10:01	10		9:24	-7
za	3-2			14:41		366	15:22		456	15:06		383	15:42		439	14:54		366	15:26		356	14:52		369
za	3-2				21:13	27		21:21	32		21:05	-72		21:57	23		21:41	37		22:13	27		21:40	5
zo	4-2			02:54		381	03:31		472	3:15		396	03:49		452	3:07		381	03:39		371	3:06		380
zo	4-2	5:19	EK		09:43	21		09:46	25		9:30	-79		10:21	16		10:11	31		10:43	21		10:05	5
zo	4-2			15:24		360	16:04		446	15:48		373	16:24		429	15:37		360	16:09		350	15:36		361
zo	4-2				21:52	35		21:59	41		21:43	-61		22:35	34		22:20	45		22:52	35		22:17	18
ma	5-2			03:37		377	04:10		465	3:54		390	04:31		446	3:50		377	04:22		367	3:47		374
ma	5-2				10:21	35		10:22	39		10:06	-64		10:57	31		10:49	45		11:21	35		10:21	23
ma	5-2			16:04		352	16:39		435	16:23		364	17:02		420	16:17		352	16:49		342	16:11		349
ma	5-2				22:29	46		22:34	51		22:18	-51		23:09	44		22:57	56		23:29	46		22:05	30
di	6-2			04:17		369	04:46		457	4:30		384	05:10		440	4:30		369	05:02		359	4:14		364
di	6-2				10:56	48		10:57	50		10:41	-53		11:30	42		11:24	58		11:56	48		10:17	30
di	6-2			16:43		343	17:12		428	16:56		358	17:39		414	16:56		343	17:28		333	16:30		340
di	6-2				23:04	54		23:09	58		22:53	-45		23:41	50		23:32	64		00:04	54		22:27	29
wo	7-2			04:55		357	05:24		447	5:08		375	05:52		431			357	05:40		347			
wo	7-2				11:33	58		11:33	60		11:17	-46		12:05	49		11:08	64		11:56	58		10:51	31
wo	7-2			17:22		334	17:50		422	17:34		353	18:20		409	17:35		334	18:07		324	16:52		336
wo	7-2				23:43	60		23:49	65		23:33	-41		00:18	54		23:18	68		00:04	60		23:08	30
do	8-2			05:36		344	06:09		434	5:53		357	06:40		419	5:49		344	06:21		334	5:11		348
do	8-2				12:15	66		12:15	71		11:59	363		12:46	59		11:48	76		12:30	66		11:36	38
do	8-2			18:10		326	18:37		415	18:21		336	18:58		402	18:23		326	18:55		316	17:41		329
do	8-2				00:32	67		00:37	77		0:21	346		0:08	64		0:01	77		0:04	67		0:02	39
vr	9-2			00:32		67	00:37		77		0:21	-31		01:06	64		1:00	77		01:32	67		0:02	39
vr	9-2			06:35		331	07:04		418	6:48		348	07:37		404	6:48		331	07:20		321	6:16		332
vr	9-2				13:09	74		13:08	88		12:52	-20		13:39	75		13:37	84		14:09	74		12:37	52
vr	9-2			19:12		321	19:35		406	19:19		338	20:06		394	19:25		321	19:57		311	19:04		321

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	10-2				01:36	73		01:39	91		1:23	-17		02:08	78		2:04	83		02:36	73		1:16	54
za	10-2			07:43		322	08:10		403	7:54		335	08:42		391	7:56		322	08:28		312	7:44		321
za	10-2				14:13	81		14:16	105		14:00	-4		14:46	91		14:41	91		15:13	81		14:01	66
za	10-2			20:18		323	20:44		402	20:28		-9	21:13		390	20:31		323	21:03		313	20:24		322
zo	11-2	1:33	VM		02:48	75		02:55	99		2:39	-9		03:23	86		3:16	85		03:48	75		2:46	60
zo	11-2			08:53		320	09:26		399	9:10		331	09:56		387	9:06		320	09:38		310	9:01		320
zo	11-2				15:25	82		15:32	109		15:16	0		16:02	95		15:53	92		16:25	82		15:26	68
zo	11-2			21:25		333	21:59		410	21:43		342	22:26		398	21:38		333	22:10		323	21:32		332
ma	12-2				04:06	71		04:13	93		3:57	-15		04:41	80		4:34	81		05:06	71		4:03	56
ma	12-2			10:04		327	10:42		408	10:26		338	11:13		394	10:17		327	10:49		317	10:08		327
ma	12-2				16:39	77		16:44	100		16:28	-9		17:13	86		17:07	87		17:39	77		16:35	64
ma	12-2			22:29		348	23:05		429	22:49		359	23:29		415	22:42		348	23:14		338	22:31		347
di	13-2				05:15	63		05:18	80		5:02	-27		05:48	68		5:43	73		06:15	63		5:08	50
di	13-2			11:05		338	11:40		423	11:24		352	12:10		408	11:18		338	11:50		328	11:06		337
di	13-2				17:36	70		17:41	86		17:25	-22		18:12	73		18:04	80		18:36	70		17:35	59
di	13-2			23:22		364	23:55		450	23:39		379	00:18		435	23:35		364	00:07		354	23:21		363
wo	14-2				06:06	58		06:10	69		5:54	379	00:18		435	23:35		364	00:07		354		6:02	46
wo	14-2			11:53		349	12:24		436	12:08		-38	06:41		57		6:34	68		07:06	58	11:51		348
wo	14-2				18:21	66		18:28	75		18:12	364	12:52		420	12:06		349	12:38		339		18:24	55
wo	14-2			00:07		377	00:37		465	0:21		-32	18:59		63		18:49	76		19:21	66	0:03		377
do	15-2			00:07		377	00:37		465	0:21		395	00:59		451	0:20		377	00:52		367	0:03		377
do	15-2				06:47	57		06:53	62		6:37	-44		07:25	51		7:15	67		07:47	57		6:45	43
do	15-2			12:32		357	13:01		446	12:45		374	13:28		430	12:45		357	13:17		347	12:28		358
do	15-2				19:00	63		19:08	67		18:52	-39		19:41	56		19:28	73		20:00	63		19:03	50
vr	16-2			00:46		385	01:14		476	0:58		405	01:38		461	0:59		385	01:31		375	0:40		386
vr	16-2				07:25	54		07:32	57		7:16	-49		08:04	46		7:53	64		08:25	54		7:20	38
vr	16-2			13:07		363	13:37		452	13:21		381	14:04		437	13:20		363	13:52		353	13:03		365
vr	16-2				19:37	58		19:45	60		19:29	-46		20:18	49		20:05	68		20:37	58		19:36	43
za	17-2			01:20		388	01:51		480	1:35		409	02:15		465	1:33		388	02:05		378	1:16		391
za	17-2				08:00	49		08:09	50		7:53	-55		08:41	40		8:28	59		09:00	49		7:56	30
za	17-2			13:40		365	14:13		453	13:57		383	14:40		439	13:53		365	14:25		355	13:39		369
za	17-2				20:10	52		20:20	55		20:04	-52		20:54	43		20:38	62		21:10	52		20:10	35
zo	18-2			01:51		388	02:25		479	2:09		408	02:50		464	2:04		388	02:36		378	1:53		391
zo	18-2				08:34	44		08:43	46		8:27	-62		09:17	33		9:02	54		09:34	44		8:33	22
zo	18-2			14:10		364	14:47		450	14:31		380	15:15		436	14:23		364	14:55		354	14:18		367
zo	18-2	20:33	LK		20:42	48		20:54	52		20:38	-55		21:28	40		21:10	58		21:42	48		20:44	28

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	19-2			02:24		386	02:57		475	2:41		-25	03:23		460	2:37		386	03:09		376	2:30		387
ma	19-2				09:06	41		09:16	44		9:00	337		09:51	31		9:34	51		10:06	41		9:07	18
ma	19-2			14:45		361	15:18		444	15:02		-17	15:47		432	14:58		361	15:30		351	14:56		362
ma	19-2				21:13	44		21:25	51		21:09	402		22:00	39		21:41	54		22:13	44		21:09	25
di	20-2			03:00		382	03:27		472	3:11		402	03:54		458	3:13		382	03:45		372	3:07		381
di	20-2				09:36	40		09:47	45		9:31	-63		10:22	32		10:04	50		10:36	40		9:29	18
di	20-2			15:22		356	15:46		440	15:30		372	16:18		428	15:35		356	16:07		346	15:30		354
di	20-2				21:45	40		21:56	50		21:40	-57		22:29	38		22:13	50		22:45	40		21:27	22
wo	21-2			03:38		378	03:59		470	3:43		400	04:28		456	3:51		378	04:23		368	3:41		376
wo	21-2				10:09	41		10:18	47		10:02	-60		10:51	35		10:37	51		11:09	41		9:50	18
wo	21-2			15:59		350	16:18		438	16:02		369	16:51		425	16:12		350	16:44		340	16:00		349
wo	21-2				22:21	38		22:28	48		22:12	-60		22:59	35		22:49	48		23:21	38		21:54	18
do	22-2			04:15		372	04:36		466	4:20		395	05:06		451	4:28		372	05:00		362	4:12		373
do	22-2				10:45	45		10:52	52		10:36	-56		11:23	39		11:13	55		11:45	45		10:21	19
do	22-2			16:34		344	16:54		435	16:38		364	17:28		420	16:47		344	17:19		334	16:26		346
do	22-2				23:01	41		23:04	50		22:48	-60		23:35	35		23:29	51		00:01	41		22:32	18
vr	23-2			04:52		365	05:18		457	5:02		385	05:48		441	5:05		365	05:37		355	4:49		369
vr	23-2				11:27	54		11:32	61		11:16	-48		12:02	47		11:55	64		12:27	54		11:05	26
vr	23-2			17:07		339	17:36		427	17:20		355	18:11		411	17:20		339	17:52		329	17:03		342
vr	23-2				23:47	50		23:49	61		23:33	-52		00:20	43		23:29	51		00:01	41		23:24	27
za	24-2			05:36		355	06:09		440	5:53		-52	06:39		425	5:49		355	06:21		345	5:43		359
za	24-2				12:17	68		12:21	79		12:05	369	06:39		425	5:49		355	06:21		345		12:04	41
za	24-2			17:54		333	18:30		413	18:14		-32	12:51		63	18:07		333	18:39		323	18:05		333
za	24-2				00:42	63		00:47	79		0:31	343	19:04		399	18:07		333	18:39		323		0:35	41
zo	25-2				00:42	63		00:47	79		0:31	313	01:16		61		1:10	73		01:42	63		0:35	41
zo	25-2			06:35		342	07:16		421	7:00		28	07:45		408	6:48		342	07:20		332	6:49		346
zo	25-2				13:20	81		13:29	98		13:13	294	13:57		84		13:48	91		14:20	81		13:19	55
zo	25-2			19:02		325	19:47		400	19:31		-19	20:20		389	19:15		325	19:47		315	19:17		325
ma	26-2				01:57	72		02:07	92		1:51	-19		02:35	76		2:25	82		02:57	72		1:58	48
ma	26-2			07:50		332	08:43		411	8:27		343	09:10		399	8:03		332	08:35		322	7:59		336
ma	26-2	15:58 NM			14:52	83		14:58	102		14:42	-7		15:30	88		15:20	93		15:52	83		14:38	59
ma	26-2			20:31		324	21:22		403	21:06		336	21:50		392	20:44		324	21:16		314	20:33		324
di	27-2				03:38	61		03:40	82		3:24	-29		04:12	66		4:06	71		04:38	61		3:17	41
di	27-2			09:31		333	10:11		420	9:55		349	10:40		405	9:44		333	10:16		323	9:17		333
di	27-2				16:18	66		16:22	83		16:06	-27		16:54	68		16:46	76		17:18	66		15:56	49
di	27-2			22:12		336	22:42		423	22:26		354	23:10		410	22:25		336	22:57		326	21:59		333

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	28-2				04:58	40		05:01	56		4:45	-55		05:32	40		5:26	50		05:58	40		4:34	25
wo	28-2			11:03		348	11:26		438	11:10		368	11:56		424	11:16		348	11:48		338	10:57		343
wo	28-2				17:31	45		17:36	57		17:20	-52		18:09	43		17:59	55		18:31	45		17:25	32
wo	28-2			23:26		356	23:50		446	23:34		-56	00:14		0	23:39		10	00:11		0	23:23		352



getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	1-3				06:12	21		06:12	30		5:56	376	00:14		432	23:39		356	00:11		346		6:20	7
do	1-3			12:04		363	12:31		456	12:15		-80		06:46	15		6:40	31		07:12	21	12:06		360
do	1-3				18:35	28		18:41	35		18:25	386	12:57		442	12:17		363	12:49		353		18:55	12
do	1-3			00:21		0	00:49		0	0:33		-74		19:15	21		19:03	38		19:35	28	0:22		-18
vr	2-3			00:21		371	00:49		465	0:33		393	01:10		449	0:34		371	01:06		361	0:22		369
vr	2-3				07:10	8		07:12	13		6:56	-95		07:47	0		7:38	18		08:10	8		7:31	-7
vr	2-3			12:54		371	13:28		465	13:12		393	13:49		449	13:07		371	13:39		361	12:57		370
vr	2-3				19:28	18		19:35	23		19:19	-85		20:10	10		19:56	28		20:28	18		19:52	-1
za	3-3			01:08		380	01:42		475	1:26		401	02:00		457	1:21		380	01:53		370	1:12		380
za	3-3				07:59	7		08:03	10		7:47	-95		08:38	0		8:27	17		08:59	7		8:23	-11
za	3-3			13:38		371	14:18		464	14:02		392	14:37		448	13:51		371	14:23		361	13:43		374
za	3-3				20:13	17		20:22	22		20:06	-85		20:57	10		20:41	27		21:13	17		20:39	-5
zo	4-3			01:51		382	02:29		476	2:13		401	02:46		457	2:04		382	02:36		372	1:59		383
zo	4-3				08:41	13		08:46	17		8:30	-90		09:21	5		9:09	23		09:41	13		9:06	-6
zo	4-3			14:18		368	15:01		457	14:45		385	15:20		441	14:31		368	15:03		358	14:27		371
zo	4-3				20:52	21		21:01	28		20:45	-78		21:37	17		21:20	31		21:52	21		21:20	-1
ma	5-3			02:31		380	03:09		470	2:53		395	03:28		451	2:44		380	03:16		370	2:43		380
ma	5-3				09:17	24		09:23	28		9:07	-78		09:58	17		9:45	34		10:17	24		9:40	6
ma	5-3	12:32	EK	14:55		364	15:36		448	15:20		377	15:57		433	15:08		364	15:40		354	15:06		364
ma	5-3				21:26	27		21:35	34		21:19	-71		22:11	24		21:54	37		22:26	27		21:51	8
di	6-3			03:09		374	03:43		461	3:27		-29	04:06		444	3:22		374	03:54		364	3:19		371
di	6-3				09:48	33		09:55	38		9:39	333		10:29	27		10:16	43		10:48	33		9:34	17
di	6-3			15:30		358	16:04		442	15:48		-28	16:30		428	15:43		358	16:15		348	15:35		356
di	6-3				21:58	32		22:06	38		21:50	380		22:40	28		22:26	42		22:58	32		21:32	13
wo	7-3			03:45		365	04:14		453	3:58		380	04:41		436	3:58		365	04:30		355	3:42		361
wo	7-3				10:18	40		10:24	44		10:08	-63		10:57	32		10:46	50		11:18	40		9:44	17
wo	7-3			16:04		352	16:32		441	16:16		370	17:01		426	16:17		352	16:49		342	15:50		350
wo	7-3				22:29	37		22:37	41		22:21	-26		23:09	30		22:57	47		23:29	37		21:55	8
do	8-3			04:18		354	04:47		444	4:31		371	05:17		427	4:31		354	05:03		344	3:59		355
do	8-3				10:48	48		10:54	51		10:38	-58		11:26	37		11:16	58		11:48	48		10:14	16
do	8-3			16:35		346	17:06		438	16:50		366	17:36		422	16:48		346	17:20		336	16:11		349
do	8-3				23:02	44		23:11	48		22:55	-61		23:41	34		23:30	10		00:02	0		22:31	8
vr	9-3			04:50		342	05:25		432	5:09		360	05:56		416	5:03		342	05:35		332	4:31		347
vr	9-3				11:22	60		11:29	66		11:13	-45		12:00	50		11:50	70		12:22	60		10:52	24
vr	9-3			17:07		338	17:46		430	17:30		359	18:17		415		11:50	70		12:22	60	16:51		342
vr	9-3				23:42	57		23:52	64		23:36	-95		00:21	0		17:20	338		17:52	328		23:17	23

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	10-3			05:36		329	06:12		415	5:56		-47	00:21		48		0:10	67	00:42		57	5:24		333
za	10-3				12:05	78		12:11	92		11:55	346	06:44		402	5:49		329	06:21		319		11:41	47
za	10-3			18:03		330	18:36		417	18:20		-21	12:43		74		12:33	88	13:05		78	17:56		330
za	10-3				00:34	0		00:43	0		0:27	348	19:09		404	18:16		330	18:48		320		0:18	-18
zo	11-3				00:34	74		00:43	90		0:27	293	01:12		73		1:02	84	01:34		74		0:18	51
zo	11-3			06:44		318	07:10		399	6:54		49	07:43		388	6:57		318	07:29		308	6:45		317
zo	11-3				13:03	98		13:09	122		12:53	302	13:40		105		13:31	108	14:03		98		12:51	79
zo	11-3			19:17		328	19:40		406	19:24		4	20:12		397	19:30		328	20:02		318	19:29		324
ma	12-3				01:44	91		01:53	115		1:37	4	02:21		99		2:12	101	02:44		91		1:50	76
ma	12-3			07:58		317	08:23		391	8:07		326	08:52		382	8:11		317	08:43		307	8:07		314
ma	12-3	15:54 VM			14:20	111		14:30	141		14:14	30	15:01		125		14:48	121	15:20		111		14:33	96
ma	12-3			20:31		336	21:00		408	20:44		345	21:27		401	20:44		336	21:16		326	20:44		334
di	13-3				03:10	95		03:23	120		3:07	10	03:51		105		3:38	105	04:10		95		3:20	78
di	13-3			09:11		325	09:48		399	9:32		333	10:14		389	9:24		325	09:56		315	9:19		323
di	13-3				15:51	107		16:00	132		15:44	22	16:30		117		16:19	117	16:51		107		15:53	91
di	13-3			21:43		352	22:21		428	22:05		363	22:43		419	21:56		352	22:28		342	21:49		352
wo	14-3				04:33	84		04:41	102		4:25	-7	05:10		88		5:01	94	05:33		84		4:29	66
wo	14-3			10:22		339	11:01		419	10:45		350	11:29		406	10:35		339	11:07		329	10:24		337
wo	14-3				17:01	90		17:07	108		16:51	-2	17:38		93		17:29	100	18:01		90		16:58	76
wo	14-3			22:47		370	23:22		453	23:06		384	23:43		440	23:00		370	23:32		360	22:48		370
do	15-3				05:32	67		05:39	80		5:23	-29	06:09		66		6:00	77	06:32		67		5:28	51
do	15-3			11:19		352	11:52		437	11:36		366	12:20		422	11:32		352	12:04		342	11:19		351
do	15-3				17:51	72		17:59	84		17:43	-25	18:30		70		18:19	82	18:51		72		17:55	60
do	15-3			23:38		382	00:09		0	23:53		-56	00:31		0	23:51		10	00:23		0	23:36		383
vr	16-3				06:17	55	00:09		469	23:53		399	00:31		455	23:51		382	00:23		372		6:19	38
vr	16-3			12:05		360		06:25	62		6:09	-45	06:57		50		6:45	65	07:17		55	12:01		359
vr	16-3				18:33	59	12:35		448	12:19		376	13:01		432	12:18		360	12:50		350		18:43	46
vr	16-3			00:21		0		18:42	67		18:26	-41	19:14		54		19:01	69	19:33		59	0:16		-18
za	17-3			00:21		386	00:49		476	0:33		404	01:12		460	0:34		386	01:06		376	0:16		387
za	17-3				06:57	44		07:06	51		6:50	-56	07:38		39		7:25	54	07:57		44		7:03	27
za	17-3			12:42		362	13:13		452	12:57		380	13:39		436	12:55		362	13:27		352	12:37		363
za	17-3				19:11	47		19:20	55		19:04	-53	19:53		42		19:39	57	20:11		47		19:23	33
zo	18-3			00:56		384	01:26		476	1:10		403	01:50		459	1:09		384	01:41		374	0:52		386
zo	18-3				07:35	36		07:43	42		7:27	-66	08:16		29		8:03	46	08:35		36		7:42	18
zo	18-3			13:14		362	13:50		452	13:34		380	14:15		436	13:27		362	13:59		352	13:13		364
zo	18-3				19:47	37		19:56	46		19:40	-63	20:30		32		20:15	47	20:47		37		19:59	21

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	19-3			01:27		383	02:01		474	1:45		401	02:26		457	1:40		383	02:12		373	1:27		384
ma	19-3				08:10	29		08:18	35		8:02	-74		08:52	21		8:38	39		09:10	29		8:18	9
ma	19-3			13:44		363	14:24		450	14:08		380	14:51		436	13:57		363	14:29		353	13:50		364
ma	19-3				20:21	30		20:31	38		20:15	-72		21:05	23		20:49	40		21:21	30		20:32	11
di	20-3			01:59		383	02:34		473	2:18		401	03:00		457	2:12		383	02:44		373	2:06		382
di	20-3				08:43	26		08:52	30		8:36	-79		09:27	16		9:11	36		09:43	26		8:50	3
di	20-3	16:58	LK	14:18		364	14:55		450	14:39		380	15:24		436	14:31		364	15:03		354	14:29		363
di	20-3				20:54	25		21:04	32		20:48	-77		21:40	18		21:22	35		21:54	25		20:49	5
wo	21-3			02:36		383	03:07		474	2:51		402	03:34		458	2:49		383	03:21		373	2:46		381
wo	21-3				09:15	26		09:25	30		9:09	-78		10:01	17		9:43	36		10:15	26		9:07	2
wo	21-3			14:57		364	15:26		451	15:10		381	15:56		437	15:10		364	15:42		354	15:07		361
wo	21-3				21:27	22		21:37	29		21:21	-78		22:12	17		21:55	32		22:27	22		21:07	1
do	22-3			03:17		381	03:42		473	3:26		401	04:10		457	3:30		381	04:02		371	3:24		379
do	22-3				09:47	29		09:58	34		9:42	-72		10:32	23		10:15	39		10:47	29		9:30	4
do	22-3			15:37		361	15:59		451	15:43		381	16:31		437	15:50		361	16:22		351	15:42		359
do	22-3				22:02	23		22:11	31		21:55	-76		22:43	19		22:30	33		23:02	23		21:38	0
vr	23-3			03:57		374	04:20		467	4:04		394	04:49		450	4:10		374	04:42		364	4:00		375
vr	23-3				10:23	36		10:33	44		10:17	-63		11:03	32		10:51	46		11:23	36		10:04	10
vr	23-3			16:15		355	16:37		448	16:21		376	17:09		432	16:28		355	17:00		345	16:14		356
vr	23-3				22:42	29		22:50	38		22:34	-71		23:19	24		23:10	39		23:42	29		22:18	5
za	24-3			04:37		362	05:04		452	4:48		380	05:33		436	4:50		362	05:22		352	4:39		366
za	24-3				11:03	48		11:12	59		10:56	-50		11:41	45		11:31	58		12:03	48		10:48	22
za	24-3			16:52		348	17:22		437	17:06		366	17:52		422	17:05		348	17:37		338	16:53		350
za	24-3				23:27	41		23:35	53		23:19	-95		00:02	0		23:55	10		00:27	0		23:11	17
zo	25-3			06:22		346	06:58		430	6:42		-59		00:02	36		23:55	51		00:27	41		6:30	352
zo	25-3				12:51	60		13:00	80		12:44	359	07:26		415	6:35		346	07:07		336		12:46	32
zo	25-3			18:40		338	19:18		420	19:02		-30		13:28	65		13:19	75		13:51	65		18:49	339
zo	25-3				01:23	0		01:32	0		1:16	350	19:48		406	18:53		338	19:25		328		1:23	-18
ma	26-3				01:23	50		01:32	70		1:16	-45		01:59	50		1:51	60		02:23	50		1:23	32
ma	26-3			07:24		330	08:11		410	7:55		340	08:40		396	7:37		330	08:09		320	7:33		334
ma	26-3				13:54	81		14:08	104		13:52	-6		14:35	89		14:22	91		14:54	81		14:02	58
ma	26-3			19:50		328	20:39		407	20:23		338	21:10		394	20:03		328	20:35		318	19:59		328
di	27-3				02:50	60		02:55	80		2:39	-25		03:24	70		3:18	70		03:50	60		2:47	42
di	27-3			08:57		321	09:40		406	9:24		335	10:10		391	9:10		321	09:42		311	8:48		322
di	27-3				15:40	83		15:44	108		15:28	-1		16:16	94		16:08	93		16:40	83		15:25	62
di	27-3			21:33		330	22:11		413	21:55		344	22:40		400	21:46		330	22:18		320	21:25		326

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	28-3	4:57	NM		04:31	50		04:31	70		4:15	-35		05:01	60		4:59	60		05:31	50		4:09	32
wo	28-3			10:38		332	11:03		421	10:47		349	11:35		405	10:51		332	11:23		322	10:35		326
wo	28-3				17:06	63		17:11	85		16:55	-24		17:41	71		17:34	73		18:06	63		16:48	50
wo	28-3			23:05		348	23:29		435	23:13		364	23:56		420	23:18		348	23:50		338	23:10		342
do	29-3				05:49	30		05:51	40		5:35	-65		06:21	30		6:17	40		06:49	30		5:30	12
do	29-3			11:52		353	12:16		444	12:00		371	12:45		427	12:05		353	12:37		343	12:00		347
do	29-3				18:19	41		18:24	56		18:08	-52		18:56	43		18:47	51		19:19	41		18:30	31
do	29-3			00:12		0	00:36		0	0:20		-56	01:00		0	0:25		10	00:57		0	0:20		-18
vr	30-3			00:12		369	00:36		460	0:20		386	01:00		442	0:25		369	00:57		359	0:20		366
vr	30-3				06:59	10		06:59	20		6:43	-85		07:32	10		7:27	20		07:59	10		7:19	2
vr	30-3			12:49		369	13:19		462	13:03		388	13:43		444	13:02		369	13:34		359	12:55		365
vr	30-3				19:20	26		19:26	34		19:10	-73		20:00	22		19:48	36		20:20	26		19:44	11
za	31-3			01:04		383	01:34		476	1:18		400	01:54		456	1:17		383	01:49		373	1:10		382
za	31-3				07:53	0		07:55	10		7:39	-95		08:29	0		8:21	10		08:53	0		8:17	-8
za	31-3			13:36		375	14:12		469	13:56		394	14:32		450	13:49		375	14:21		365	13:39		375
za	31-3				20:10	20		20:18	25		20:02	-81		20:52	14		20:38	30		21:10	20		20:35	1

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
zo	1-4			01:49		387	02:24		479	2:08		402	02:42		458	2:02		387	02:34		377	1:52		388
zo	1-4				08:38	10		08:42	10		8:26	-95		09:17	0		9:06	20		09:38	10		9:02	-8
zo	1-4			14:15		375	14:57		465	14:41		391	15:15		447	14:28		375	15:00		365	14:18		378
zo	1-4				20:52	22		21:01	26		20:45	-79		21:36	16		21:20	32		21:52	22		21:17	-2
ma	2-4			02:27		384	03:07		474	2:51		398	03:25		454	2:40		384	03:12		374	2:33		386
ma	2-4				09:15	20		09:22	20		9:06	-85		09:56	10		9:43	30		10:15	20		9:37	-8
ma	2-4			14:49		372	15:34		458	15:18		386	15:54		442	15:02		372	15:34		362	14:57		376
ma	2-4				21:27	25		21:37	31		21:21	-74		22:13	21		21:55	35		22:27	25		21:52	0
di	3-4			03:02		379	03:43		465	3:27		-36	04:03		446	3:15		379	03:47		369	3:12		380
di	3-4				09:45	20		09:55	30		9:39	345		10:30	20		10:13	30		10:45	20		9:59	2
di	3-4			15:22		372	16:03		455	15:47		-33	16:27		440	15:35		372	16:07		362	15:32		373
di	3-4	20:39	EK		21:57	25		22:08	32		21:52	384		22:44	23		22:25	35		22:57	25		22:14	4
wo	4-4			03:38		373	04:14		458	3:58		384	04:39		440	3:51		373	04:23		363	3:48		371
wo	4-4				10:12	30		10:23	30		10:07	-75		10:58	20		10:40	40		11:12	30		9:57	2
wo	4-4			15:56		371	16:29		457	16:13		384	16:57		440	16:09		371	16:41		361	16:02		368
wo	4-4				22:26	25		22:37	30		22:21	-74		23:11	21		22:54	35		23:26	25		22:04	3
do	5-4			04:14		366	04:44		453	4:28		378	05:13		434	4:27		366	04:59		356	4:15		362
do	5-4				10:41	30		10:51	30		10:35	-75		11:25	20		11:09	40		11:41	30		10:16	2
do	5-4			16:31		368	16:58		460	16:42		385	17:28		441	16:44		368	17:16		358	16:24		365
do	5-4				22:58	30		23:08	33		22:52	-73		23:39	22		23:26	40		23:58	30		22:29	1
vr	6-4			04:48		357	05:16		446	5:00		371	05:46		427	5:01		357	05:33		347	4:35		356
vr	6-4				11:12	40		11:20	40		11:04	-65		11:52	30		11:40	50		12:12	40		10:44	12
vr	6-4			17:03		363	17:32		458	17:16		383	18:02		439	17:16		363	17:48		353	16:45		363
vr	6-4				23:31	42		23:40	44		23:24	-95		00:10	0		23:59	10		00:31	0		23:02	8
za	7-4			05:21		347	05:52		436	5:36		-65	00:10		30		23:59	50		00:31	40		5:03	350
za	7-4				11:44	60		11:52	60		11:36	362	06:23		418	5:34		347	06:06		337		11:18	22
za	7-4			17:33		358	18:10		450	17:54		-41	12:23		54		12:12	73		12:44	63		17:17	359
za	7-4				00:08	0		00:17	0		0:01	377	18:40		433	17:46		358	18:18		348		23:43	27
zo	8-4				00:08	60		00:17	60		0:01	-45		00:46	50		0:36	70		01:08	60		5:46	340
zo	8-4			06:01		338	06:33		423	6:17		351	07:04		407	6:14		338	06:46		328		12:00	52
zo	8-4				12:21	86		12:29	97		12:13	-15		13:00	80		12:49	96		13:21	86		18:08	351
zo	8-4			18:17		353	18:53		439	18:37		368	19:24		424	18:30		353	19:02		343		0:34	-18
ma	9-4				00:54	80		01:00	90		0:44	-25		01:30	70		1:22	90		01:54	80		0:34	52
ma	9-4			06:58		329	07:24		408	7:08		341	07:56		397	7:11		329	07:43		319	6:57		328
ma	9-4				13:09	109		13:16	127		13:00	15		13:47	110		13:37	119		14:09	109		12:55	89
ma	9-4			19:22		350	19:48		428	19:32		362	20:21		418	19:35		350	20:07		340	19:36		344

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	10-4				01:53	100		01:58	120		1:42	5		02:27	100		2:21	110		02:53	100		1:52	82
di	10-4			08:06		327	08:28		399	8:12		335	09:00		391	8:19		327	08:51		317	8:20		323
di	10-4				14:13	125		14:23	151		14:07	40		14:52	135		14:41	135		15:13	125		14:22	115
di	10-4			20:35		354	21:00		425	20:44		363	21:32		419	20:48		354	21:20		344	20:54		350
wo	11-4				03:06	100		03:20	130		3:04	15		03:48	110		3:34	110		04:06	100		3:30	92
wo	11-4	8:08	VM	09:19		333	09:47		402	9:31		338	10:14		394	9:32		333	10:04		323	9:31		331
wo	11-4				15:30	125		15:54	151		15:38	43		16:23	138		15:58	135		16:30	125		15:57	111
wo	11-4			21:50		366	22:23		437	22:07		374	22:49		430	22:03		366	22:35		356	22:01		365
do	12-4				04:31	90		04:50	110		4:34	5		05:20	100		4:59	100		05:31	90		4:41	72
do	12-4			10:31		345	11:07		419	10:51		352	11:33		408	10:44		345	11:16		335	10:36		344
do	12-4				17:03	107		17:17	124		17:01	16		17:50	111		17:31	117		18:03	107		17:05	89
do	12-4			22:59		379	23:34		456	23:18		389	23:58		445	23:12		379	23:44		369	23:03		379
vr	13-4				05:43	70		05:55	80		5:39	-25		06:26	70		6:11	80		06:43	70		5:40	52
vr	13-4			11:35		358	12:09		439	11:53		368	12:37		424	11:48		358	12:20		348	11:34		356
vr	13-4				18:07	81		18:17	92		18:01	-16		18:50	79		18:35	91		19:07	81		18:05	64
vr	13-4			23:57		387	00:28		0	0:12		-56	00:53		0	0:10		10	00:42		0	23:57		-18
za	14-4				06:36	50	00:28		470	0:12		399	00:53		455	0:10		387	00:42		377	23:57		387
za	14-4			12:27		365		06:46	60		6:30	-55		07:18	40		7:04	60		07:36	50		6:35	32
za	14-4				18:56	58	12:58		451	12:42		378	13:26		434	12:40		365	13:12		355	12:23		363
za	14-4			00:45		0		19:05	69		18:49	-38		19:38	57		19:24	68		19:56	58		19:01	43
zo	15-4			00:45		387	01:13		474	0:57		401	01:39		457	0:58		387	01:30		377	0:42		387
zo	15-4				07:22	30		07:29	40		7:13	-65		08:03	30		7:50	40		08:22	30		7:27	12
zo	15-4			13:10		366	13:40		454	13:24		381	14:08		437	13:23		366	13:55		356	13:03		365
zo	15-4				19:39	43		19:47	54		19:31	-53		20:21	42		20:07	53		20:39	43		19:52	28
ma	16-4			01:25		384	01:54		473	1:38		398	02:20		454	1:38		384	02:10		374	1:19		383
ma	16-4				08:03	20		08:10	30		7:54	-75		08:44	20		8:31	30		09:03	20		8:13	12
ma	16-4			13:45		365	14:19		454	14:03		381	14:47		437	13:58		365	14:30		355	13:40		364
ma	16-4				20:20	33		20:26	43		20:10	-64		21:01	31		20:48	43		21:20	33		20:35	17
di	17-4			01:59		382	02:32		473	2:16		396	02:59		452	2:12		382	02:44		372	1:56		381
di	17-4				08:42	20		08:48	30		8:32	-85		09:23	10		9:10	30		09:42	20		8:53	2
di	17-4			14:17		367	14:56		455	14:40		383	15:24		439	14:30		367	15:02		357	14:19		366
di	17-4				20:58	26		21:04	33		20:48	-74		21:40	21		21:26	36		21:58	26		21:10	9
wo	18-4			02:33		384	03:10		474	2:54		-46	03:37		454	2:46		384	03:18		374	2:36		381
wo	18-4				09:19	20		09:25	20		9:09	348		10:01	10		9:47	30		10:19	20		9:04	2
wo	18-4			14:54		372	15:31		459	15:15		-42	16:00		443	15:07		372	15:39		362	15:01		369
wo	18-4				21:34	21		21:41	24		21:25	400		22:18	14		22:02	31		22:34	21		21:05	0

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	19-4			03:14		386	03:48		476	3:32		400	04:15		456	3:27		386	03:59		376	3:21		382
do	19-4	11:57	LK		09:53	20		10:02	20		9:46	-85		10:38	10		10:21	30		10:53	20		9:32	-8
do	19-4			15:35		376	16:06		464	15:50		392	16:36		448	15:48		376	16:20		366	15:43		373
do	19-4				22:10	18		22:19	19		22:03	-84		22:55	11		22:38	28		23:10	18		21:44	-5
vr	20-4			03:58		384	04:27		474	4:11		398	04:56		454	4:11		384	04:43		374	4:05		381
vr	20-4				10:27	20		10:39	20		10:23	-75		11:13	20		10:55	30		11:27	20		10:10	-8
vr	20-4			16:19		377	16:44		467	16:28		394	17:14		450	16:32		377	17:04		367	16:23		374
vr	20-4				22:47	19		22:58	21		22:42	-82		23:31	13		23:15	29		23:47	19		22:26	-6
za	21-4			04:43		375	05:10		464	4:54		389	05:39		445	4:56		375	05:28		365	4:47		375
za	21-4				11:03	30		11:17	30		11:01	-65		11:48	30		11:31	40		12:03	30		10:51	2
za	21-4			17:01		372	17:26		463	17:10		390	17:56		446	17:14		372	17:46		362	17:01		372
za	21-4				23:27	25		23:39	30		23:23	-95		00:09	0		23:55	10		00:27	0		23:12	-1
zo	22-4			05:29		359	05:59		446	5:43		-75		00:09	20		23:55	30		00:27	20		5:30	363
zo	22-4				11:44	40		11:59	50		11:43	372	06:27		428	5:42		359	06:14		349		11:37	12
zo	22-4			17:45		363	18:14		452	17:58		-48		12:27	47		12:12	56		12:44	46		17:43	364
zo	22-4				00:14	0		00:27	0		0:11	380	18:44		436	17:58		363	18:30		353		0:08	-18
ma	23-4				00:14	30		00:27	40		0:11	-65		00:55	30		0:42	40		01:14	30		0:08	2
ma	23-4			06:21		341	06:57		425	6:41		353	07:28		409	6:34		341	07:06		331	6:20		345
ma	23-4				12:32	63		12:49	80		12:33	-27		13:17	68		13:00	73		13:32	63		12:35	40
ma	23-4			18:37		352	19:15		437	18:59		366	19:46		422	18:50		352	19:22		342	18:38		352
di	24-4				01:15	50		01:27	60		1:11	-45		01:55	50		1:43	60		02:15	50		1:16	22
di	24-4			07:32		327	08:11		411	7:55		340	08:45		396	7:45		327	08:17		317	7:24		328
di	24-4				13:40	80		13:59	101		13:43	-5		14:27	90		14:08	90		14:40	80		13:49	57
di	24-4			19:55		344	20:34		427	20:18		358	21:06		414	20:08		344	20:40		334	19:47		341
wo	25-4				02:57	50		02:50	70		2:34	-35		03:24	60		3:25	60		03:57	50		2:35	32
wo	25-4			09:03		326	09:32		413	9:16		342	10:05		398	9:16		326	09:48		316	8:56		320
wo	25-4				15:30	78		15:30	102		15:14	-5		16:03	90		15:58	88		16:30	78		15:11	61
wo	25-4			21:29		350	21:57		435	21:41		366	22:27		422	21:42		350	22:14		340	21:30		343
do	26-4				04:18	40		04:16	60		4:00	-45		04:48	50		4:46	50		05:18	40		3:57	22
do	26-4			10:25		341	10:49		429	10:33		357	11:21		413	10:38		341	11:10		331	10:32		334
do	26-4	14:16	NM		16:46	60		16:51	81		16:35	-25		17:22	70		17:14	70		17:46	60		16:34	50
do	26-4			22:48		367	23:11		455	22:55		383	23:40		439	23:01		367	23:33		357	22:58		362
vr	27-4				05:29	20		05:30	40		5:14	-65		06:02	30		5:57	30		06:29	20		5:19	12
vr	27-4			11:33		360	11:59		451	11:43		377	12:29		433	11:46		360	12:18		350	11:41		356
vr	27-4				17:57	42		18:02	57		17:46	-48		18:35	47		18:25	52		18:57	42		18:11	33
vr	27-4			23:51		383	00:17		0	0:01		-56	00:43		0	0:04		10	00:36		0	0:00		-18

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
za	28-4				06:37	10	00:17		474	0:01		397	00:43		453	0:04		383	00:36		373	0:00		381
za	28-4			12:28		373		06:35	20		6:19	-85		07:10	10		7:05	20		07:37	10		6:58	2
za	28-4				18:59	30	13:00		466	12:44		390	13:25		446	12:41		373	13:13		363	12:33		372
za	28-4			00:42		0		19:03	39		18:47	-66		19:38	29		19:27	40		19:59	30		19:22	17
zo	29-4			00:42		390	01:14		481	0:58		402	01:36		458	0:55		390	01:27		380	0:47		390
zo	29-4				07:30	10		07:30	10		7:14	-95		08:05	0		7:58	20		08:30	10		7:51	-8
zo	29-4			13:12		377	13:50		468	13:34		391	14:12		447	13:25		377	13:57		367	13:14		378
zo	29-4				19:48	27		19:54	31		19:38	-72		20:29	23		20:16	37		20:48	27		20:11	9
ma	30-4			01:24		386	02:01		476	1:45		397	02:22		453	1:37		386	02:09		376	1:26		388
ma	30-4				08:12	20		08:15	20		7:59	-85		08:50	10		8:40	30		09:12	20		8:28	2
ma	30-4			13:49		376	14:30		464	14:14		388	14:52		444	14:02		376	14:34		366	13:48		380
ma	30-4				20:28	29		20:35	32		20:19	-71		21:11	24		20:56	39		21:28	29		20:48	6



getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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						
di	1-5			02:00		379	02:41		466	2:25		388	03:02		444	2:13		379	02:45		369	2:03		382			
di	1-5				08:46	30		08:53	30		8:37	-75		09:28	20		9:14	40		09:46	30		8:36	2			
di	1-5			14:19		376	15:03		461	14:47		387	15:26		443	14:32		376	15:04		366	14:23		380			
di	1-5				21:00	30		21:10	32		20:54	-69		21:46	26		21:28	40		22:00	30		21:13	5			
wo	2-5			02:33		375	03:15		459	2:59		-75	03:39		439	2:46		375	03:18		365	2:40		375			
wo	2-5				09:12	30		09:25	30		9:09	391		10:00	20		9:40	40		10:12	30		8:59	2			
wo	2-5			14:51		380	15:30		465	15:14		-72	15:57		447	15:04		380	15:36		370	14:58		381			
wo	2-5				21:28	28		21:40	29		21:24	382		22:16	23		21:56	38		22:28	28		21:22	3			
do	3-5	4:47	EK	03:09		372	03:46		458	3:30		382	04:15		438	3:22		372	03:54		362	3:17		370			
do	3-5				09:39	30		09:53	30		9:37	-75		10:29	20		10:07	40		10:39	30		9:29	2			
do	3-5			15:27		384	15:59		473	15:43		398	16:28		454	15:40		384	16:12		374	15:32		381			
do	3-5				21:59	27		22:11	27		21:55	-74		22:45	21		22:27	37		22:59	27		21:43	2			
vr	4-5			03:48		370	04:19		458	4:03		381	04:49		437	4:01		370	04:33		360	3:51		367			
vr	4-5				10:11	30		10:23	30		10:07	-65		10:57	30		10:39	40		11:11	30		9:55	12			
vr	4-5			16:06		385	16:33		478	16:17		402	17:02		458	16:19		385	16:51		375	16:04		381			
vr	4-5				22:33	35		22:43	34		22:27	-68		23:16	27		23:01	45		23:33	35		22:10	9			
za	5-5			04:28		365	04:54		455	4:38		377	05:24		433	4:41		365	05:13		355	4:20		363			
za	5-5				10:46	50		10:55	50		10:39	-55		11:27	40		11:14	60		11:46	50		10:22	22			
za	5-5			16:42		382	17:09		476	16:53		400	17:38		456	16:55		382	17:27		372	16:31		379			
za	5-5				23:09	53		23:17	51		23:01	-53		23:48	42		23:37	10		00:09	0		22:43	23			
zo	6-5			05:05		358	05:30		446	5:14		370	06:00		426			23:37	60		00:09	50		4:49	358		
zo	6-5				11:19	70		11:27	70		11:11	-35		11:58	60		5:18		358	05:50		348			10:54	42	
zo	6-5			17:16		379	17:46		469	17:30		395	18:14		451			11:47	85		12:19	75		17:00	377		
zo	6-5				23:46	73		23:52	74		23:36	-95		00:22	0		17:29		379	18:01		369			23:20	44	
ma	7-5			05:42		350	06:08		434	5:52		-35	00:22		60			0:14	80		00:46	70		5:27	351		
ma	7-5				11:54	90		12:01	100		11:45	361	06:39		417			5:55		350	06:27		340			11:32	62
ma	7-5			17:55		376	18:25		461	18:09		-6	12:32		89			12:22	108		12:54	98		17:42	373		
ma	7-5				00:28	0		00:32	0		0:16	390	18:54		446			18:08		376	18:40		366			0:06	-18
di	8-5				00:28	90		00:32	90		0:16	314	01:02		80			0:56	100		01:28	90				0:06	62
di	8-5			06:29		344	06:53		422	6:37		13	07:24		409			6:42		344	07:14		334			6:25	342
di	8-5				12:37	114		12:43	124		12:27	346		13:14	108			13:05	124		13:37	114				12:19	95
di	8-5			18:47		375	19:12		454	18:56		-5	19:43		441			19:00		375	19:32		365			18:49	369
wo	9-5				01:19	100		01:22	110		1:06	-5		01:52	90			1:47	110		02:19	100				1:08	82
wo	9-5			07:27		342	07:49		415	7:33		348	08:22		404			7:40		342	08:12		332			7:40	338
wo	9-5				13:33	122		13:39	138		13:23	28		14:09	123			14:01	132		14:33	122				13:27	113
wo	9-5			19:49		376	20:14		450	19:58		384	20:46		440			20:02		376	20:34		366			20:06	370

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	10-5				02:20	100		02:28	110		2:12	5		02:56	100		2:48	110		03:20	100		2:35	82
do	10-5			08:33		345	08:57		416	8:41		349	09:30		405	8:46		345	09:18		335	8:47		343
do	10-5				14:37	119		14:52	139		14:36	32		15:19	127		15:05	129		15:37	119		14:58	109
do	10-5	23:43	VM	20:57		380	21:26		453	21:10		387	21:58		443	21:10		380	21:42		370	21:12		376
vr	11-5				03:29	80		03:48	100		3:32	-5		04:17	90		3:57	90		04:29	80		3:49	62
vr	11-5			09:42		354	10:11		427	9:55		359	10:42		415	9:55		354	10:27		344	9:49		353
vr	11-5				15:50	104		16:15	120		15:59	16		16:44	111		16:18	114		16:50	104		16:10	85
vr	11-5			22:07		385	22:38		463	22:22		393	23:08		449	22:20		385	22:52		375	22:14		384
za	12-5				04:43	60		05:00	70		4:44	-35		05:32	60		5:11	70		05:43	60		4:49	42
za	12-5			10:49		364	11:18		443	11:02		371	11:49		427	11:02		364	11:34		354	10:48		363
za	12-5				17:10	81		17:25	91		17:09	-12		17:58	83		17:38	91		18:10	81		17:10	59
za	12-5			23:11		389	23:40		472	23:24		-56	00:09		0	23:24		389	23:56		379	23:11		388
zo	13-5				05:47	40		05:58	50		5:42	398	00:09		454		6:15	50		06:47	40		5:44	22
zo	13-5			11:46		371	12:14		455	11:58		-55		06:31	40	11:59		371	12:31		361	11:41		368
zo	13-5				18:12	59		18:21	67		18:05	381	12:45		437		18:40	69		19:12	59		18:06	40
zo	13-5			00:06		0	00:32		0	0:16		-36		18:56	59	0:19		10	00:51		0	0:02		-18
ma	14-5			00:06		389	00:32		476	0:16		399	01:01		455	0:19		389	00:51		379	0:02		388
ma	14-5				06:41	30		06:48	30		6:32	-65		07:22	30		7:09	40		07:41	30		6:35	12
ma	14-5			12:35		373	13:02		461	12:46		386	13:33		442	12:48		373	13:20		363	12:27		370
ma	14-5				19:04	43		19:10	51		18:54	-52		19:45	43		19:32	53		20:04	43		19:03	27
di	15-5			00:51		387	01:19		477	1:03		398	01:48		454	1:04		387	01:36		377	0:45		385
di	15-5				07:29	20		07:34	30		7:18	-75		08:09	20		7:57	30		08:29	20		7:21	12
di	15-5			13:16		374	13:46		463	13:30		388	14:16		444	13:29		374	14:01		364	13:09		371
di	15-5				19:50	33		19:55	39		19:39	-63		20:31	32		20:18	43		20:50	33		19:30	19
wo	16-5			01:31		386	02:03		478	1:47		398	02:32		454	1:44		386	02:16		376	1:27		383
wo	16-5				08:13	20		08:17	20		8:01	-85		08:53	10		8:41	30		09:13	20		7:43	2
wo	16-5			13:52		377	14:28		466	14:12		391	14:57		447	14:05		377	14:37		367	13:51		374
wo	16-5				20:34	26		20:38	28		20:22	-74		21:15	21		21:02	36		21:34	26		19:57	10
do	17-5			02:11		387	02:47		478	2:31		400	03:16		456	2:24		387	02:56		377	2:12		383
do	17-5				08:54	20		09:00	20		8:44	-85		09:37	10		9:22	30		09:54	20		8:21	2
do	17-5			14:32		383	15:08		471	14:52		397	15:38		453	14:45		383	15:17		373	14:37		379
do	17-5				21:15	20		21:20	17		21:04	-84		21:59	11		21:43	30		22:15	20		20:42	1
vr	18-5			02:55		388	03:32		478	3:16		-85	04:01		456	3:08		388	03:40		378	3:02		383
vr	18-5				09:33	20		09:42	10		9:26	400		10:19	10		10:01	30		10:33	20		9:10	2
vr	18-5			15:16		389	15:49		477	15:33		-85	16:19		459	15:29		389	16:01		379	15:24		385
vr	18-5				21:56	17		22:03	11		21:47	395		22:41	5		22:24	27		22:56	17		21:34	-7

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
za	19-5	2:33	LK	03:43		384	04:17		472	4:01		395	04:47		451	3:56		384	04:28		374	3:52		381
za	19-5				10:11	20		10:24	20		10:08	-85		11:00	10		10:39	30		11:11	20		10:00	2
za	19-5			16:03		392	16:32		480	16:16		406	17:02		462	16:16		392	16:48		382	16:10		388
za	19-5				22:37	17		22:47	12		22:31	-88		23:24	7		23:05	27		23:37	17		22:25	-10
zo	20-5			04:33		375	05:05		461	4:49		386	05:36		442	4:46		375	05:18		365	4:41		374
zo	20-5				10:50	30		11:06	30		10:50	-65		11:40	30		11:18	40		11:50	30		10:46	2
zo	20-5			16:51		389	17:18		477	17:02		404	17:48		460	17:04		389	17:36		379	16:53		386
zo	20-5				23:21	23		23:33	21		23:17	-95		00:07	0		23:49	10		00:21	0		23:12	-7
ma	21-5			05:25		361	05:56		446	5:40		-85		00:07	10		23:49	30		00:21	20		5:28	361
ma	21-5				11:32	40		11:51	50		11:35	372	06:29		428	5:38		361	06:10		351		11:33	12
ma	21-5			17:40		381	18:09		469	17:53		-50		12:23	45		12:00	56		12:32	46		17:37	380
ma	21-5				00:12	0		00:23	0		0:07	397	18:40		453	17:53		381	18:25		371		0:04	-18
di	22-5				00:12	30		00:23	30		0:07	-65		00:56	30		0:40	40		01:12	30		0:04	2
di	22-5			06:23		347	06:54		431	6:38		360	07:29		416	6:36		347	07:08		337	6:19		346
di	22-5				12:23	60		12:43	71		12:27	-32		13:14	63		12:51	70		13:23	60		12:27	34
di	22-5			18:37		372	19:09		458	18:53		388	19:42		444	18:50		372	19:22		362	18:29		371
wo	23-5				01:24	40		01:23	50		1:07	-55		01:58	40		1:52	50		02:24	40		1:05	12
wo	23-5			07:32		338	08:00		422	7:44		354	08:36		410	7:45		338	08:17		328	7:23		334
wo	23-5				13:40	73		13:48	86		13:32	-17		14:23	78		14:08	83		14:40	73		13:32	48
wo	23-5			19:50		367	20:19		453	20:03		385	20:53		441	20:03		367	20:35		357	19:37		362
do	24-5				02:45	40		02:36	60		2:20	356		03:12	50		3:13	50		03:45	40		2:15	22
do	24-5			08:46		339	09:11		424	8:55		-45	09:46		412	8:59		339	09:31		329	8:49		333
do	24-5				15:08	70		15:06	88		14:50	389		15:43	77		15:36	80		16:08	70		14:46	53
do	24-5			21:08		371	21:33		457	21:17		-55	22:05		445	21:21		371	21:53		361	21:12		363
vr	25-5				03:52	30		03:50	50		3:34	-55		04:23	40		4:20	40		04:52	30		3:31	22
vr	25-5			09:57		350	10:22		435	10:06		366	10:56		422	10:10		350	10:42		340	10:05		344
vr	25-5				16:17	59		16:20	77		16:04	-30		16:53	65		16:45	69		17:17	59		16:02	47
vr	25-5	21:44	NM	22:19		380	22:44		467	22:28		396	23:15		452	22:32		380	23:04		370	22:29		374
za	26-5				04:57	30		04:58	40		4:42	-65		05:30	30		5:25	40		05:57	30		4:38	12
za	26-5			11:03		362	11:30		449	11:14		378	12:02		434	11:16		362	11:48		352	11:08		360
za	26-5				17:25	48		17:28	61		17:12	-44		18:02	51		17:53	58		18:25	48		17:13	36
za	26-5			23:22		385	23:49		473	23:33		-56	00:18		0	23:35		10	00:07		0	23:29		383
zo	27-5				06:03	20		06:01	30		5:45	399	00:18		455	23:35		385	00:07		375		5:34	12
zo	27-5			11:58		371	12:30		459	12:14		-75		06:35	20		6:31	30		07:03	20		12:01	371
zo	27-5				18:30	38		18:31	47		18:15	385	12:59		441	12:11		371	12:43		361		18:35	25
zo	27-5			00:14		0	00:47		0	0:31		394		19:07	38		18:58	48		19:30	38		0:17	-18

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	28-5			00:14		383	00:47		471	0:31		-75	01:13		450	0:27		383	00:59		373	0:17		383
ma	28-5				06:59	20		06:57	20		6:41	385		07:32	20		7:27	30		07:59	20		6:21	2
ma	28-5			12:43		373	13:19		460	13:03		385	13:46		441	12:56		373	13:28		363	12:41		375
ma	28-5				19:22	34		19:24	39		19:08	-64		19:59	31		19:50	44		20:22	34		19:31	18
di	29-5			00:57		375	01:35		462	1:19		384	01:59		440	1:10		375	01:42		365	0:56		377
di	29-5				07:42	30		07:44	30		7:28	-75		08:19	20		8:10	40		08:42	30		7:04	2
di	29-5			13:19		374	13:58		457	13:42		383	14:23		439	13:32		374	14:04		364	13:15		376
di	29-5				20:03	36		20:07	38		19:51	-65		20:43	30		20:31	46		21:03	36		19:46	14
wo	30-5			01:33		369	02:14		453	1:58		377	02:38		433	1:46		369	02:18		359	1:32		370
wo	30-5				08:15	40		08:23	30		8:07	-65		08:58	30		8:43	50		09:15	40		7:44	2
wo	30-5			13:49		377	14:29		460	14:13		387	14:55		443	14:02		377	14:34		367	13:49		380
wo	30-5				20:35	38		20:42	37		20:26	-65		21:19	30		21:03	48		21:35	38		20:12	10
do	31-5			02:07		369	02:48		452	2:32		378	03:15		434	2:20		369	02:52		359	2:08		369
do	31-5				08:42	40		08:56	40		8:40	-65		09:31	30		9:10	50		09:42	40		8:24	2
do	31-5			14:23		386	14:59		470	14:43		398	15:28		454	14:36		386	15:08		376	14:25		386
do	31-5				21:04	38		21:15	35		20:59	-67		21:51	28		21:32	48		22:04	38		20:46	8

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	1-6			02:45		373	03:21		458	3:05		384	03:51		440	2:58		373	03:30		363	2:46		371
vr	1-6				09:13	40		09:28	40		9:12	-65		10:03	30		9:41	50		10:13	40		9:02	12
vr	1-6	14:42	EK	15:02		395	15:33		483	15:17		410	16:03		466	15:15		395	15:47		385	15:03		393
vr	1-6				21:36	39		21:48	35		21:32	-66		22:23	29		22:04	49		22:36	39		21:21	374
za	2-6			03:26		378	03:56		464	3:40		389	04:28		445	3:39		378	04:11		368	3:25		374
za	2-6				09:48	40		10:00	40		9:44	-55		10:36	40		10:16	50		10:48	40		9:35	22
za	2-6			15:42		400	16:10		490	15:54		416	16:40		472	15:55		400	16:27		390	15:40		397
za	2-6				22:13	48		22:23	44		22:07	-58		22:57	37		22:41	58		23:13	48		21:55	22
zo	3-6			04:08		378	04:33		463	4:17		389	05:05		445	4:21		378	04:53		368	4:02		374
zo	3-6				10:24	60		10:34	60		10:18	-45		11:08	50		10:52	70		11:24	60		10:06	42
zo	3-6			16:21		401	16:48		489	16:32		415	17:16		471	16:34		401	17:06		391	16:13		397
zo	3-6				22:49	64		22:58	61		22:42	-42		23:31	53		23:17	74		23:49	64		22:29	37
ma	4-6			04:46		372	05:09		455	4:53		381	05:40		437	4:59		372	05:31		362	4:36		370
ma	4-6				10:58	80		11:07	80		10:51	-25		11:39	70		11:26	90		11:58	80		10:36	62
ma	4-6			16:56		397	17:23		483	17:07		410	17:51		466	17:09		397	17:41		387	16:44		395
ma	4-6				23:26	80		23:32	80		23:16	-95		00:04	0		23:54	10		00:26	0		23:04	54
di	5-6			05:23		364	05:45		443	5:29		-25		00:04	70		23:54	90		00:26	80		5:13	362
di	5-6				11:32	100		11:40	100		11:24	371	06:16		427	5:36		364	06:08		354		11:11	72
di	5-6			17:32		393	17:59		476	17:43		-3		12:11	92		12:00	111		12:32	101		17:20	391
di	5-6				00:04	0		00:09	0		23:53	405	18:28		461	17:45		393	18:17		383		23:44	66
wo	6-6				00:04	90		00:09	90		23:53	-15		00:40	80		0:32	100		01:04	90		5:59	355
wo	6-6			06:03		356	06:25		432	6:09		363	06:57		419	6:16		356	06:48		346		11:52	82
wo	6-6				12:12	109		12:18	112		12:02	4		12:48	99		12:40	119		13:12	109		18:09	385
wo	6-6			18:16		389	18:40		471	18:24		401	19:10		457	18:29		389	19:01		379		0:34	72
do	7-6				00:49	90		00:53	90		0:37	-15		01:23	80		1:17	100		01:49	90		0:34	72
do	7-6			06:52		352	07:13		427	6:57		357	07:46		413	7:05		352	07:37		342		6:59	350
do	7-6				13:01	109		13:05	116		12:49	7		13:36	102		13:29	119		14:01	109		12:47	96
do	7-6			19:09		386	19:33		466	19:17		396	20:03		452	19:22		386	19:54		376	19:17		381
vr	8-6				01:42	80		01:47	90		1:31	-15		02:16	80		2:10	90		02:42	80		1:40	72
vr	8-6			07:48		352	08:11		426	7:55		357	08:46		413	8:01		352	08:33		342		8:01	350
vr	8-6				13:59	103		14:06	115		13:50	7		14:34	102		14:27	113		14:59	103		14:03	92
vr	8-6			20:09		384	20:36		462	20:20		392	21:06		448	20:22		384	20:54		374	20:23		380
za	9-6				02:43	70		02:54	80		2:38	-25		03:21	70		3:11	80		03:43	70		2:52	52
za	9-6			08:50		356	09:18		431	9:02		361	09:52		417	9:03		356	09:35		346		9:01	356
za	9-6	15:10	VM		15:02	93		15:17	106		15:01	3		15:44	98		15:30	103		16:02	93		15:17	75
za	9-6			21:13		384	21:44		464	21:28		392	22:14		448	21:26		384	21:58		374	21:24		382

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	10-6				03:50	60		04:05	70		3:49	-35		04:33	60		4:18	70		04:50	60		3:55	42
zo	10-6			09:57		363	10:26		442	10:10		370	10:57		426	10:10		363	10:42		353	9:59		363
zo	10-6				16:15	79		16:31	89		16:15	-12		17:01	83		16:43	89		17:15	79		16:19	55
zo	10-6			22:19		386	22:50		469	22:34		394	23:19		450	22:32		386	23:04		376	22:23		385
ma	11-6				04:58	50		05:10	50		4:54	-45		05:41	50		5:26	60		05:58	50		4:51	22
ma	11-6			11:00		371	11:29		454	11:13		379	11:59		435	11:13		371	11:45		361	10:55		369
ma	11-6				17:27	63		17:36	70		17:20	-31		18:09	64		17:55	73		18:27	63		17:15	40
ma	11-6			23:21		388	23:50		474	23:34		-56	00:19		0	23:34		10	00:06		0	23:18		386
di	12-6				06:00	40		06:07	40		5:51	396	00:19		452	23:34		388	00:06		378		5:43	12
di	12-6			11:56		377	12:24		462	12:08		-65		06:40	30		6:28	50		07:00	40	11:49		374
di	12-6				18:28	48		18:33	53		18:17	387	12:54		443	12:09		377	12:41		367		18:06	30
di	12-6			00:16		0	00:46		0	0:30		-47		19:07	48		18:56	58		19:28	48	0:10		-18
wo	13-6			00:16		388	00:46		478	0:30		398	01:15		454	0:29		388	01:01		378	0:10		387
wo	13-6				06:55	30		07:00	30		6:44	-75		07:34	20		7:23	40		07:55	30		6:30	12
wo	13-6			12:44		381	13:15		468	12:59		392	13:44		448	12:57		381	13:29		371	12:38		378
wo	13-6				19:22	37		19:26	40		19:10	-61		20:01	34		19:50	47		20:22	37		18:54	21
do	14-6			01:05		388	01:38		478	1:22		400	02:07		456	1:18		388	01:50		378	1:01		386
do	14-6				07:45	30		07:50	20		7:34	-75		08:26	20		8:13	40		08:45	30		7:16	12
do	14-6			13:28		385	14:03		473	13:47		398	14:32		454	13:41		385	14:13		375	13:27		382
do	14-6				20:12	29		20:16	27		20:00	-74		20:53	21		20:40	39		21:12	29		19:45	12
vr	15-6			01:52		387	02:30		477	2:14		399	02:59		455	2:05		387	02:37		377	1:53		385
vr	15-6				08:33	30		08:39	20		8:23	-85		09:16	10		9:01	40		09:33	30		8:11	2
vr	15-6			14:13		390	14:50		478	14:34		403	15:19		459	14:26		390	14:58		380	8:12		11
vr	15-6				21:01	22		21:05	16		20:49	-85		21:44	10		21:29	32		22:01	22		8:48	11
za	16-6			02:42		385	03:21		474	3:05		397	03:50		453	2:55		385	03:27		375	2:50		383
za	16-6				09:19	30		09:27	20		9:11	-85		10:05	10		9:47	40		10:19	30		9:40	2
za	16-6			15:01		395	15:38		482	15:22		407	16:05		463	15:14		395	15:46		385	15:11		392
za	16-6				21:50	17		21:54	9		21:38	-91		22:33	4		22:18	27		22:50	17		22:08	-9
zo	17-6			03:34		381	04:13		468	3:57		-91	04:41		447	3:47		381	04:19		371	3:47		380
zo	17-6				10:04	30		10:14	20		9:58	-75		10:52	20		10:32	40		11:04	30		10:23	2
zo	17-6	13:33	LK	15:51		398	16:25		485	16:09		410	16:52		466	16:04		398	16:36		388	16:02		395
zo	17-6				22:38	18		22:42	10		22:26	-90		23:21	5		23:06	28		23:38	18		22:44	-11
ma	18-6			04:27		374	05:03		459	4:47		383	05:32		439	4:40		374	05:12		364	4:39		373
ma	18-6				10:48	30		11:01	30		10:45	-65		11:38	30		11:16	40		11:48	30		10:58	2
ma	18-6			16:42		398	17:13		484	16:57		410	17:40		466	16:55		398	17:27		388	16:49		395
ma	18-6				23:27	24		23:30	18		23:14	-95		00:08	0		23:55	10		00:27	0		23:14	-7

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	19-6			05:20		365	05:53		448	5:37		-85	00:08		10	23:55		30	00:27		20	5:28		364
di	19-6				11:34	40		11:47	40		11:31	375	06:24		431	5:33		365	06:05		355		11:31	12
di	19-6			17:33		394	18:03		480	17:47		-52	12:23		43	12:02		57	12:34		47	17:34		391
di	19-6					0		00:19	0		0:03	407	18:31		463	17:46		394	18:18		384		23:56	-18
wo	20-6				00:19	30		00:19	30		0:03	-75	00:56		20	0:47		40	01:19		30		23:56	2
wo	20-6			06:15		356	06:46		439	6:30		368	07:18		424	6:28		356	07:00		346	6:17		353
wo	20-6				12:26	57		12:36	59		12:20	-40	13:11		55	12:54		67	13:26		57		12:14	29
wo	20-6			18:28		387	18:58		475	18:42		403	19:28		459	18:41		387	19:13		377	18:20		384
do	21-6				01:18	40		01:12	40		0:56	-55	01:48		40	1:46		50	02:18		40		0:45	12
do	21-6			07:15		349	07:42		433	7:26		364	08:16		420	7:28		349	08:00		339	7:11		345
do	21-6				13:29	65		13:31	71		13:15	-30	14:07		65	13:57		75	14:29		65		13:08	40
do	21-6			19:30		381	19:58		469	19:42		399	20:31		455	19:43		381	20:15		371	19:19		377
vr	22-6				02:18	40		02:12	50		1:56	-55	02:47		40	2:46		50	03:18		40		1:45	22
vr	22-6			08:17		347	08:43		431	8:27		363	09:17		419	8:30		347	09:02		337	8:19		342
vr	22-6				14:37	66		14:35	77		14:19	-26	15:11		69	15:05		76	15:37		66		14:13	47
vr	22-6			20:37		377	21:04		465	20:48		-55	21:36		451	20:50		377	21:22		367	20:38		372
za	23-6				03:18	40		03:16	50		3:00	-55	03:49		40	3:46		50	04:18		40		2:52	22
za	23-6			09:21		350	09:48		434	9:32		366	10:22		422	9:34		350	10:06		340	9:27		347
za	23-6				15:41	62		15:43	75		15:27	-29	16:16		66	16:09		72	16:41		62		15:23	45
za	23-6			21:43		375	22:11		462	21:55		390	22:43		446	21:56		375	22:28		365	21:51		371
zo	24-6	4:31	NM		04:17	40		04:21	50		4:05	-55	04:51		40	4:45		50	05:17		40		3:58	22
zo	24-6			10:24		357	10:53		441	10:37		370	11:27		426	10:37		357	11:09		347	10:28		356
zo	24-6				16:47	55		16:51	66		16:35	-36	17:23		59	17:15		65	17:47		55		16:30	38
zo	24-6			22:47		372	23:17		459	23:01		385	23:48		441	23:00		372	23:32		362	22:53		371
ma	25-6				05:21	40		05:24	40		5:08	-65	05:55		30	5:49		50	06:21		40		4:56	22
ma	25-6			11:23		363	11:54		448	11:38		374	12:26		430	11:36		363	12:08		353	11:23		364
ma	25-6				17:56	47		17:56	55		17:40	-47	18:30		48	18:24		57	18:56		47		17:32	29
ma	25-6			23:45		368		17:56	0		17:40	-56	00:48		0	23:58		10	00:30		0	23:46		-18
di	26-6				06:23	40	00:19		454	0:03		378	00:48		434	23:58		368	00:30		358	23:46		368
di	26-6			12:13		368		06:23	40		6:07	-65	06:56		30	6:51		50	07:23		40		5:49	12
di	26-6				18:54	41	12:47		452	12:31		377	13:16		433	12:26		368	12:58		358	12:08		369
di	26-6			00:34		0		18:53	47		18:37	-56	19:28		39	19:22		51	19:54		41		18:27	23
wo	27-6			00:34		363	01:11		449	0:55		-65	01:37		429	0:47		363	01:19		353	0:30		364
wo	27-6				07:12	40		07:14	40		6:58	381	07:48		30	7:40		50	08:12		40		6:37	12
wo	27-6			12:53		373	13:29		455	13:13		381	13:56		437	13:06		373	13:38		363	12:47		373
wo	27-6				19:39	43		19:40	45		19:24	-58	20:16		37	20:07		53	20:39		43		19:10	21

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	28-6			01:14		362	01:52		446	1:36		371	02:18		427	1:27		362	01:59		352	1:08		362
do	28-6				07:50	50		07:57	50		7:41	-55		08:31	40		8:18	60		08:50	50		7:21	12
do	28-6			13:28		380	14:04		462	13:48		390	14:30		446	13:41		380	14:13		370	13:23		381
do	28-6				20:15	49		20:20	48		20:04	-55		20:55	40		20:43	59		21:15	49		19:47	22
vr	29-6			01:49		367	02:27		449	2:11		377	02:55		433	2:02		367	02:34		357	1:43		366
vr	29-6				08:22	50		08:34	50		8:18	-55		09:08	40		8:50	60		09:22	50		8:01	22
vr	29-6			14:03		392	14:37		474	14:21		403	15:05		459	14:16		392	14:48		382	13:59		391
vr	29-6				20:47	54		20:55	50		20:39	-52		21:31	43		21:15	64		21:47	54		20:24	24
za	30-6			02:26		376	03:00		458	2:44		-45	03:31		442	2:39		376	03:11		366	2:21		375
za	30-6				08:54	50		09:08	50		8:52	417		09:43	50		9:22	60		09:54	50		8:40	22
za	30-6			14:41		403	15:13		488	14:57		-49	15:41		473	14:54		403	15:26		393	14:37		402
za	30-6				21:20	57		21:31	53		21:15	394		22:06	46		21:48	67		22:20	57		21:01	28



getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	1-7	2:51	EK	03:05		384	03:36		466	3:20		394	04:07		450	3:18		384	03:50		374	3:00		382
zo	1-7				09:29	60		09:43	60		9:27	-45		10:18	50		9:57	70		10:29	60		9:17	32
zo	1-7			15:20		411	15:50		496	15:34		423	16:18		479	15:33		411	16:05		401	15:15		409
zo	1-7				21:55	63		22:06	58		21:50	-44		22:41	51		22:23	73		22:55	63		21:39	35
ma	2-7			03:44		386	04:13		466	3:57		394	04:44		450	3:57		386	04:29		376	3:41		384
ma	2-7				10:05	70		10:17	70		10:01	-35		10:51	60		10:33	80		11:05	70		9:51	52
ma	2-7			15:57		412	16:27		495	16:11		422	16:54		478	16:10		412	16:42		402	15:52		410
ma	2-7				22:30	71		22:41	68		22:25	-34		23:15	61		22:58	81		23:30	71		22:16	44
di	3-7			04:22		381	04:48		458	4:32		386	05:19		442	4:35		381	05:07		371	4:19		379
di	3-7				10:38	80		10:50	80		10:34	-15		11:23	80		11:06	90		11:38	80		10:22	62
di	3-7			16:32		407	17:00		489	16:44		416	17:27		472	16:45		407	17:17		397	16:25		406
di	3-7				23:05	79		23:14	78		22:58	-24		23:48	71		23:33	10		00:05	0		22:50	52
wo	4-7			04:58		371	05:22		447	5:06		375	05:53		431	5:06		375	05:40		370	4:55		370
wo	4-7				11:11	90		11:21	90		11:05	-15		11:53	80	5:11		371	05:43		361	10:53		72
wo	4-7			17:08		400	17:33		482	17:17		410	18:01		466	17:17		410	17:59		394	16:59		399
wo	4-7				23:40	81		23:48	84		23:32	-95		00:19	0	17:21		400	17:53		390	23:23		57
do	5-7			05:35		362	05:57		437	5:41		-25		00:19	70		0:08	90		00:40	80	5:32		361
do	5-7				11:48	90		11:55	90		11:39	366	06:29		422	5:48		362	06:20		352	11:27		72
do	5-7			17:47		393	18:10		476	17:54		-6		12:26	89		12:16	105		12:48	95	17:38		392
do	5-7				00:19	0		00:25	0		0:09	404	18:39		460	18:00		393	18:32		383	0:01		-18
vr	6-7				00:19	80		00:25	80		0:09	-25		00:55	70		0:47	90		01:19	80	0:01		52
vr	6-7			06:16		356	06:37		432	6:21		361	07:10		417	6:29		356	07:01		346	6:15		354
vr	6-7				12:31	92		12:35	96		12:19	-11		13:06	84		12:59	102		13:31	92	12:11		74
vr	6-7			18:32		388	18:55		471	18:39		-25	19:24		454	18:45		388	19:17		378	18:27		385
za	7-7				01:06	70		01:10	80		0:54	-25		01:39	70		1:34	80		02:06	70	0:51		52
za	7-7			07:04		354	07:27		431	7:11		358	08:00		414	7:17		354	07:49		344	7:09		352
za	7-7				13:22	88		13:26	96		13:10	-12		13:56	83		13:50	98		14:22	88	13:09		71
za	7-7			19:24		384	19:50		465	19:34		392	20:19		448	19:37		384	20:09		374	19:31		381
zo	8-7				02:01	70		02:07	80		1:51	-25		02:34	70		2:29	80		03:01	70	1:54		52
zo	8-7			07:59		355	08:27		431	8:11		359	09:00		415	8:12		355	08:44		345	8:09		354
zo	8-7				14:21	86		14:28	97		14:12	-9		14:56	86		14:49	96		15:21	86	14:20		67
zo	8-7			20:23		382	20:54		461	20:38		388	21:23		444	20:36		382	21:08		372	20:35		380
ma	9-7				03:03	70		03:14	80		2:58	-25		03:40	70		3:31	80		04:03	70	3:01		42
ma	9-7	6:07	VM	09:00		359	09:35		435	9:19		363	10:06		419	9:13		359	09:45		349	9:09		359
ma	9-7				15:28	83		15:40	95		15:24	-9		16:07	86		15:56	93		16:28	83	15:29		59
ma	9-7			21:27		382	22:03		461	21:47		387	22:31		443	21:40		382	22:12		372	21:36		381

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
di	10-7				04:13	60		04:25	70		4:09	-35		04:54	60		4:41	70		05:13	60		4:04	32
di	10-7			10:08		366	10:44		444	10:28		371	11:13		427	10:21		366	10:53		356	10:10		366
di	10-7				16:45	74		16:55	83		16:39	-19		17:25	76		17:13	84		17:45	74		16:32	49
di	10-7			22:34		383	23:13		465	22:57		389	23:40		445	22:47		383	23:19		373	22:37		383
wo	11-7				05:23	60		05:32	50		5:16	-45		06:03	50		5:51	70		06:23	60		5:04	32
wo	11-7			11:15		374	11:49		456	11:33		381	12:18		437	11:28		374	12:00		364	11:11		373
wo	11-7				17:56	59		18:02	65		17:46	-37		18:34	58		18:24	69		18:56	59		17:34	38
wo	11-7			23:41		384	00:18		0	0:02		-56	00:46		0	23:54		10	00:26		0	23:39		-18
do	12-7				06:25	50		00:18	470	0:02		393	00:46		449	23:54		384	00:26		374	23:39		385
do	12-7			12:15		381		06:33	40		6:17	-55		07:05	40		6:53	60		07:25	50		6:03	22
do	12-7				18:58	45	12:49		467	12:33		391	13:18		447	12:28		381	13:00		371	12:10		380
do	12-7			00:44		0		19:03	47		18:47	-54		19:38	41		19:26	55		19:58	45		18:37	26
vr	13-7			00:44		385	01:20		474	1:04		396	01:49		452	0:57		385	01:29		375	0:40		386
vr	13-7				07:23	40		07:31	30		7:15	-65		08:05	30		7:51	50		08:23	40		7:05	22
vr	13-7			13:10		387	13:45		475	13:29		399	14:12		455	13:23		387	13:55		377	13:07		386
vr	13-7				19:57	33		20:02	31		19:46	-69		20:39	26		20:25	43		20:57	33		20:18	13
za	14-7			01:42		384	02:19		474	2:03		397	02:47		453	1:55		384	02:27		374	1:40		385
za	14-7				08:19	30		08:27	30		8:11	-75		09:03	20		8:47	40		09:19	30		8:41	12
za	14-7			14:01		392	14:39		482	14:23		405	15:04		461	14:14		392	14:46		382	14:04		392
za	14-7				20:54	24		20:57	19		20:41	-81		21:36	14		21:22	34		21:54	24		21:18	0
zo	15-7			02:36		382	03:15		473	2:59		394	03:42		450	2:49		382	03:21		372	2:41		383
zo	15-7				09:12	30		09:20	30		9:04	-75		09:57	20		9:40	40		10:12	30		9:37	2
zo	15-7			14:51		397	15:31		487	15:15		409	15:54		465	15:04		397	15:36		387	15:00		397
zo	15-7				21:47	19		21:49	12		21:33	-87		22:29	8		22:15	29		22:47	19		22:10	-7
ma	16-7			03:28		380	04:09		468	3:53		-75	04:34		445	3:41		380	04:13		370	3:39		380
ma	16-7				10:01	30		10:09	30		9:53	411		10:47	20		10:29	40		11:01	30		10:27	2
ma	16-7			15:42		401	16:20		491	16:04		-84	16:43		467	15:55		401	16:27		391	15:54		400
ma	16-7	21:26	LK		22:37	19		22:38	14		22:22	383		23:17	11		23:05	29		23:37	19		22:57	-6
di	17-7			04:18		375	04:59		462	4:43		383	05:23		439	4:31		375	05:03		365	4:31		375
di	17-7				10:47	30		10:55	30		10:39	-65		11:33	30		11:15	40		11:47	30		11:11	12
di	17-7			16:32		403	17:07		491	16:51		411	17:30		467	16:45		403	17:17		393	16:42		400
di	17-7				23:23	27		23:23	22		23:07	-95		00:01	0		23:51	10		00:23	0		23:35	4
wo	18-7			05:07		369	05:44		454	5:28		-75		00:01	20		23:51	30		00:23	20		5:18	367
wo	18-7				11:31	40		11:38	40		11:22	376	06:11		432	5:20		369	05:52		359		11:40	22
wo	18-7			17:20		400	17:53		488	17:37		-53		12:16	42		11:59	56		12:31	46		17:25	396
wo	18-7				00:07	0		00:06	0		23:50	410	18:18		466	17:33		400	18:05		390		23:43	17

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	19-7				00:07	30		00:06	30		23:50	-65		00:43	30		0:35	40		01:07	30		6:01		357
do	19-7			05:56		361	06:29		446	6:13		371	06:58		427	6:09		361	06:41		351		11:54		32
do	19-7				12:15	55		12:21	53		12:05	-42		12:57	53		12:43	65		13:15	55		18:04		388
do	19-7			18:09		392	18:39		482	18:23		405	19:08		461	18:22		392	18:54		382		0:18		-18
vr	20-7				00:53	50		00:51	40		0:35	-55		01:26	40		1:21	60		01:53	50		0:18		22
vr	20-7			06:47		353	07:15		439	6:59		366	07:47		422	7:00		353	07:32		343	6:43		349	
vr	20-7				13:03	64		13:07	64		12:51	-33		13:41	62		13:31	74		14:03	64		12:35		39
vr	20-7			19:02		381	19:31		471	19:15		396	20:02		452	19:15		381	19:47		371	18:49		378	
za	21-7				01:42	50		01:40	50		1:24	-45		02:13	50		2:10	60		02:42	50		1:08		32
za	21-7			07:41		347	08:08		434	7:52		362	08:41		418	7:54		347	08:26		337	7:36		345	
za	21-7				13:59	70		14:00	74		13:44	-25		14:33	70		14:27	80		14:59	70		13:31		45
za	21-7			20:01		370	20:30		459	20:14		385	21:02		441	20:14		370	20:46		360	19:53		366	
zo	22-7				02:37	60		02:37	60		2:21	-35		03:09	60		3:05	70		03:37	60		2:09		32
zo	22-7			08:40		346	09:07		431	8:51		359	09:41		415	8:53		346	09:25		336	8:41		344	
zo	22-7				15:01	71		15:04	80		14:48	-21		15:35	74		15:29	81		16:01	71		14:40		50
zo	22-7			21:04		361	21:35		447	21:19		35	22:07		431	21:17		361	21:49		351	21:07		358	
ma	23-7				03:36	60		03:41	70		3:25	-35		04:11	60		4:04	70		04:36	60		3:20		42
ma	23-7			09:42		350	10:12		433	9:56		360	10:46		416	9:55		350	10:27		340	9:46		350	
ma	23-7	11:45	NM		16:07	67		16:13	78		15:57	-23		16:44	72		16:35	77		17:07	67		15:56		47
ma	23-7			22:10		356	22:44		442	22:28		368	23:17		424	22:23		356	22:55		346	22:15		356	
di	24-7				04:39	60		04:48	70		4:32	-35		05:18	60		5:07	70		05:39	60		4:28		32
di	24-7			10:46		358	11:18		442	11:02		367	11:52		423	10:59		358	11:31		348	10:47		359	
di	24-7				17:19	60		17:24	69		17:08	-31		17:55	64		17:47	70		18:19	60		17:06		40
di	24-7			23:17		357	23:52		444	23:36		-56		0		23:30		10	00:02		0	23:17		357	
wo	25-7				05:47	50		05:53	60		5:37	369	00:24		425	23:30		357	00:02		347		5:29		32
wo	25-7			11:45		370	12:18		455	12:02		-45		06:24	50		6:15	60		06:47	50		11:42		370
wo	25-7				18:26	52		18:27	59		18:11	378	12:49		434	11:58		370	12:30		360	18:08		35	
wo	25-7			00:15		0	00:49		0	0:33		-42		19:00	53		18:54	62		19:26	52		0:11		-18
do	26-7			00:15		362	00:49		449	0:33		373	01:19		429	0:28		362	01:00		352	0:11		361	
do	26-7				06:45	50		06:49	60		6:33	-45		07:22	50		7:13	60		07:45	50		6:24		32
do	26-7			12:34		382	13:06		466	12:50		390	13:34		446	12:47		382	13:19		372	12:30		380	
do	26-7				19:17	53		19:19	56		19:03	-46		19:53	49		19:45	63		20:17	53		19:01		36
vr	27-7			01:00		367	01:34		453	1:18		377	02:02		433	1:13		367	01:45		357	0:55		366	
vr	27-7				07:29	60		07:36	60		7:20	-45		08:09	50		7:57	70		08:29	60		7:12		32
vr	27-7			13:14		393	13:46		477	13:30		401	14:12		457	13:27		393	13:59		383	13:10		391	
vr	27-7				19:57	61		20:02	59		19:46	-42		20:36	53		20:25	71		20:57	61		19:40		40

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
za	28-7			01:37		373	02:10		458	1:54		383	02:38		439	1:50		373	02:22		363	1:32		372
za	28-7				08:07	60		08:16	60		8:00	-35		08:50	60		8:35	70		09:07	60		7:52	42
za	28-7			13:50		403	14:22		488	14:06		413	14:48		469	14:03		403	14:35		393	13:46		402
za	28-7				20:32	68		20:40	63		20:24	-37		21:14	58		21:00	78		21:32	68		20:15	44
zo	29-7			02:11		381	02:44		464	2:28		-35	03:13		446	2:24		381	02:56		371	2:07		380
zo	29-7				08:41	70		08:52	60		8:36	423		09:26	60		9:09	80		09:41	70		8:28	42
zo	29-7			14:25		412	14:57		498	14:41		-35	15:23		479	14:38		412	15:10		402	14:22		412
zo	29-7				21:06	71		21:16	64		21:00	395		21:50	60		21:34	81		22:06	71		20:50	45
ma	30-7			02:46		387	03:18		469	3:02		395	03:48		451	2:59		387	03:31		377	2:43		387
ma	30-7				09:14	70		09:26	70		9:10	-35		10:01	60		9:42	80		10:14	70		9:04	52
ma	30-7	17:23	EK	14:59		417	15:32		503	15:16		428	15:59		484	15:12		417	15:44		407	14:58		418
ma	30-7				21:39	70		21:50	64		21:34	-36		22:25	59		22:07	80		22:39	70		21:27	43
di	31-7			03:20		389	03:54		469	3:38		394	04:24		450	3:33		389	04:05		379	3:22		389
di	31-7				09:47	70		10:00	70		9:44	-35		10:35	60		10:15	80		10:47	70		9:40	52
di	31-7			15:33		417	16:06		502	15:50		426	16:33		482	15:46		417	16:18		407	15:34		417
di	31-7				22:12	70		22:24	65		22:08	349		22:59	60		22:40	80		23:12	70		22:04	43

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	1-8			03:55		385	04:28		463	4:12		388	04:58		444	4:08		385	04:40		375	4:01		384
wo	1-8				10:18	70		10:32	70		10:16	-25		11:07	70		10:46	80		11:18	70		10:13	52
wo	1-8			16:08		412	16:38		495	16:22		420	17:05		476	16:21		412	16:53		402	16:09		411
wo	1-8				22:43	71		22:56	70		22:40	-31		23:30	64		23:11	81		23:43	71		22:37	45
do	2-8			04:31		377	04:59		453	4:43		379	05:31		435	4:44		377	05:16		367	4:36		374
do	2-8				10:50	80		11:03	80		10:47	-25		11:36	70		11:18	90		11:50	80		10:39	52
do	2-8			16:44		404	17:09		487	16:53		413	17:37		469	16:57		404	17:29		394	16:43		402
do	2-8				23:15	71		23:26	74		23:10	-27		23:59	68		23:43	10		00:15	0		23:04	48
vr	3-8			05:07		367	05:31		445	5:15		371	06:03		427		23:43	80		00:15	70	5:09		364
vr	3-8				11:24	70		11:33	80		11:17	-25		12:05	70	5:20		367	05:52		357		11:04	52
vr	3-8			17:21		396	17:44		482	17:28		407	18:13		463		11:52	89		12:24	79	17:16		394
vr	3-8				23:51	72		23:59	76		23:43	-95		00:30	0	17:34		396	18:06		386		23:33	49
za	4-8			05:44		361	06:06		441	5:50		-35		00:30	60		0:19	80		00:51	70	5:40		358
za	4-8				12:03	70		12:09	80		11:53	366	06:39		422	5:57		361	06:29		351		11:38	52
za	4-8			17:59		391	18:23		476	18:07		-21		12:39	74		12:31	88		13:03	78	17:50		389
za	4-8				00:33	0		00:38	0		0:22	-35	18:53		457	18:12		391	18:44		381		0:12	-18
zo	5-8				00:33	70		00:38	70		0:22	363		01:07	60		1:01	80		01:33	70		0:12	42
zo	5-8			06:23		358	06:48		438	6:32		-21	07:21		419	6:36		358	07:08		348	6:16		356
zo	5-8				12:49	80		12:52	86		12:36	393		13:22	74		13:17	90		13:49	80		12:24	58
zo	5-8			18:44		386	19:11		469	18:55		-25	19:41		449	18:57		386	19:29		376	18:40		384
ma	6-8				01:23	80		01:26	80		1:10	-25		01:56	70		1:51	90		02:23	80		1:06	52
ma	6-8			07:12		357	07:40		435	7:24		361	08:14		417	7:25		357	07:57		347	7:14		355
ma	6-8				13:43	85		13:46	95		13:30	-13		14:16	82		14:11	95		14:43	85		13:28	65
ma	6-8			19:40		381	20:12		459	19:56		385	20:42		441	19:53		381	20:25		371	19:49		380
di	7-8				02:22	80		02:28	90		2:12	-15		02:56	80		2:50	90		03:22	80		2:15	62
di	7-8			08:12		358	08:47		433	8:31		360	09:20		416	8:25		358	08:57		348	8:24		357
di	7-8				14:48	90		14:56	104		14:40	-3		15:24	92		15:16	100		15:48	90		14:46	69
di	7-8	20:11 VM		20:45		377	21:24		453	21:08		380	21:54		436	20:58		377	21:30		367	20:58		377
wo	8-8				03:33	80		03:45	90		3:29	-15		04:13	80		4:01	90		04:33	80		3:29	52
wo	8-8			09:25		362	10:05		438	9:49		366	10:36		422	9:38		362	10:10		352	9:33		362
wo	8-8				16:10	86		16:20	99		16:04	-6		16:50	89		16:38	96		17:10	86		16:02	62
wo	8-8			22:00		376	22:44		455	22:28		-25	23:12		437	22:13		376	22:45		366	22:06		378
do	9-8				04:53	70		05:03	80		4:47	378		05:34	70		5:21	80		05:53	70		4:39	52
do	9-8			10:44		371	11:22		452	11:06		-26	11:52		434	10:57		371	11:29		361	10:43		371
do	9-8				17:31	69		17:39	78		17:23	-26		18:11	69		17:59	79		18:31	69		17:15	47
do	9-8			23:21		380	00:00		0	23:44		-56	00:30		0	23:34		10	00:06		0	23:17		381

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	10-8				06:03	60	00:00		464	23:44		389	00:30		445	23:34		380	00:06		370		5:48	32
vr	10-8			11:57		383		06:13	60		5:57	-45		06:45	50		6:31	70		07:03	60	11:51		382
vr	10-8				18:41	51	12:30		469	12:14		394	12:59		450	12:10		383	12:42		373		18:30	31
vr	10-8			00:35		0		18:49	54		18:33	-48		19:23	47		19:09	61		19:41	51	0:28		-18
za	11-8			00:35		385	01:08		473	0:52		397	01:38		453	0:48		385	01:20		375	0:28		386
za	11-8				07:08	50		07:18	50		7:02	-55		07:52	40		7:36	60		08:08	50		7:07	22
za	11-8			12:59		393	13:31		483	13:15		407	13:58		463	13:12		393	13:44		383	12:55		393
za	11-8				19:48	37		19:53	35		19:37	-67		20:30	28		20:16	47		20:48	37		20:06	16
zo	12-8			01:35		388	02:09		478	1:53		402	02:36		458	1:48		388	02:20		378	1:31		388
zo	12-8				08:09	40		08:17	30		8:01	-65		08:54	30		8:37	50		09:09	40		8:31	12
zo	12-8			13:52		401	14:27		493	14:11		415	14:51		471	14:05		401	14:37		391	13:52		400
zo	12-8				20:46	27		20:50	23		20:34	-78		21:27	17		21:14	37		21:46	27		21:09	6
ma	13-8			02:27		387	03:05		478	2:49		400	03:30		456	2:40		387	03:12		377	2:29		388
ma	13-8				09:02	30		09:10	30		8:54	-75		09:48	20		9:30	40		10:02	30		9:29	12
ma	13-8			14:41		406	15:19		499	15:03		419	15:41		475	14:54		406	15:26		396	14:47		405
ma	13-8				21:37	25		21:40	20		21:24	-81		22:18	14		22:05	35		22:37	25		22:02	2
di	14-8			03:14		384	03:57		474	3:41		395	04:19		451	3:27		384	03:59		374	3:22		384
di	14-8				09:49	30		09:57	30		9:41	-65		10:36	30		10:17	40		10:49	30		10:18	12
di	14-8			15:28		409	16:07		501	15:51		419	16:28		475	15:41		409	16:13		399	15:38		407
di	14-8				22:22	29		22:25	24		22:09	-75		23:03	20		22:50	39		23:22	29		22:48	8
wo	15-8	3:15	LK	03:59		380	04:42		467	4:26		388	05:06		444	4:12		380	04:44		370	4:12		379
wo	15-8				10:32	40		10:40	40		10:24	-65		11:18	30		11:00	50		11:32	40		11:01	12
wo	15-8			16:13		408	16:50		497	16:34		417	17:13		473	16:26		408	16:58		398	16:25		405
wo	15-8				23:03	39		23:05	34		22:49	-63		23:43	32		23:31	10		00:03	0		23:26	21
do	16-8			04:43		374	05:23		458	5:07		381	05:48		437	5:07		381	05:48		437	5:07		381
do	16-8				11:11	50		11:18	40		11:02	-55		11:56	40		11:48	50		12:04	40		11:56	40
do	16-8			16:57		402	17:30		490	17:14		411	17:56		467	17:14		411	17:56		467	17:14		411
do	16-8				23:40	51		23:42	46		23:26	-95		00:19	0		23:10	40		00:19	0		23:10	40
vr	17-8			05:26		366	05:59		451	5:43		-55		00:19	40		0:08	60		00:40	50	5:31		362
vr	17-8				11:48	50		11:55	50		11:39	375	06:28		431	5:39		366	06:11		356		11:20	32
vr	17-8			17:40		391	18:10		478	17:54		-40		12:31	55		12:16	69		12:48	59	17:35		386
vr	17-8				00:17	0		00:19	0		0:03	401	18:40		457	17:53		391	18:25		381		23:42	40
za	18-8			00:17		60		00:19	50		0:03	-45		00:54	50		0:45	70		01:17	60	5:59		354
za	18-8			06:08		358	06:38		444	6:22		370	07:10		426	6:21		358	06:53		348		11:55	32
za	18-8				12:27	68		12:34	68		12:18	-31		13:07	64		12:55	78		13:27	68	18:08		374
za	18-8			18:23		376	18:54		463	18:38		388	19:26		444	18:36		376	19:08		366		0:24	-18

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	19-8				00:57	70		01:00	70		0:44	-35		01:32	60		1:25	80		01:57	70		0:24	42
zo	19-8			06:55		350	07:23		437	7:07		364	07:56		420	7:08		350	07:40		340	6:38		349
zo	19-8				13:12	76		13:19	80		13:03	-21		13:50	74		13:40	86		14:12	76		12:44	48
zo	19-8			19:15		360	19:46		446	19:30		-15	20:20		430	19:28		360	20:00		350	19:02		360
ma	20-8				01:46	80		01:49	80		1:33	358		02:21	80		2:14	90		02:46	80		1:20	52
ma	20-8			07:51		346	08:17		431	8:01		-8	08:52		414	8:04		346	08:36		336	7:45		345
ma	20-8				14:11	85		14:17	96		14:01	361		14:47	87		14:39	95		15:11	85		13:51	62
ma	20-8			20:19		350	20:49		431	20:33		-5	21:23		417	20:32		350	21:04		340	20:18		348
di	21-8				02:47	80		02:52	100		2:36	-5		03:23	90		3:15	90		03:47	80		2:35	62
di	21-8			08:55		348	09:23		429	9:07		358	09:58		414	9:08		348	09:40		338	9:00		348
di	21-8				15:22	89		15:29	105		15:13	2		15:58	97		15:50	99		16:22	89		15:18	71
di	21-8	20:30	NM	21:27		348	22:03		427	21:47		357	22:36		413	21:40		348	22:12		338	21:34		346
wo	22-8				03:56	80		04:07	100		3:51	-5		04:38	90		4:24	90		04:56	80		3:58	62
wo	22-8			10:04		360	10:37		440	10:21		368	11:11		424	10:17		360	10:49		350	10:09		360
wo	22-8				16:39	86		16:48	101		16:32	-1		17:18	94		17:07	96		17:39	86		16:39	67
wo	22-8			22:42		355	23:19		437	23:03		365	23:54		421	22:55		355	23:27		345	22:45		354
do	23-8				05:12	80		05:22	100		5:06	-5		05:52	90		5:40	90		06:12	80		5:08	62
do	23-8			11:14		378	11:47		461	11:31		387	12:18		443	11:27		378	11:59		368	11:15		379
do	23-8				17:56	76		17:59	88		17:43	-15		18:31	80		18:24	86		18:56	76		17:49	60
do	23-8			23:50		367	00:23		0	0:07		-56	00:56		0	0:03		10	00:35		0	23:51		-18
vr	24-8				06:18	70		00:23	452	0:07		379	00:56		435	0:03		367	00:35		357	23:51		367
vr	24-8			12:11		397	06:24		80		6:08	-25		06:55	70		6:46	80		07:18	70		6:11	52
vr	24-8				18:52	71	12:42		483	12:26		407	13:11		463	12:24		397	12:56		387	12:11		397
vr	24-8			00:40		0	18:56		76		18:40	-26		19:28	69		19:20	81		19:52	71		18:51	55
za	25-8			00:40		378	01:11		463	0:55		388	01:42		444	0:53		378	01:25		368	0:41		377
za	25-8				07:07	70		07:14	70		6:58	-25		07:46	70		7:35	80		08:07	70		7:06	52
za	25-8			12:55		411	13:26		497	13:10		420	13:52		476	13:08		411	13:40		401	12:56		410
za	25-8				19:35	72		19:42	72		19:26	-29		20:14	66		20:03	82		20:35	72		19:39	55
zo	26-8			01:19		384	01:50		468	1:34		392	02:18		448	1:32		384	02:04		374	1:19		384
zo	26-8				07:46	70		07:56	70		7:40	-35		08:28	60		8:14	80		08:46	70		7:49	52
zo	26-8			13:33		418	14:03		505	13:47		428	14:27		484	13:46		418	14:18		408	13:32		417
zo	26-8				20:12	75		20:21	71		20:05	-29		20:54	66		20:40	85		21:12	75		20:13	56
ma	27-8			01:52		387	02:24		471	2:08		395	02:51		451	2:05		387	02:37		377	1:52		388
ma	27-8				08:22	70		08:32	70		8:16	-35		09:05	60		8:50	80		09:22	70		8:21	52
ma	27-8			14:06		421	14:37		508	14:21		431	15:01		487	14:19		421	14:51		411	14:05		421
ma	27-8				20:47	73		20:56	68		20:40	-31		21:29	64		21:15	83		21:47	73		20:41	52

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	28-8			02:23		389	02:57		473	2:41		-35	03:25		453	2:36		389	03:08		379	2:23		391
di	28-8				08:55	70		09:06	70		8:50	432		09:40	60		9:23	80		09:55	70		8:51	52
di	28-8			14:36		422	15:10		509	14:54		-38	15:36		488	14:49		422	15:21		412	14:38		422
di	28-8				21:19	69		21:29	63		21:13			22:03	57		21:47	79		22:19	69		21:13	44
wo	29-8			02:52		391	03:31		473	3:15		397	04:00		453	3:05		391	03:37		381	2:57		391
wo	29-8				09:26	70		09:39	60		9:23	-35		10:14	60		9:54	80		10:26	70		9:24	42
wo	29-8			15:06		421	15:43		506	15:27		430	16:10		486	15:19		421	15:51		411	15:13		420
wo	29-8				21:50	64		22:02	59		21:46	-43		22:37	52		22:18	74		22:50	64		21:48	39
do	30-8			03:25		389	04:04		469	3:48		393	04:34		449	3:38		389	04:10		379	3:35		388
do	30-8	10:13	EK		09:57	60		10:11	60		9:55	-35		10:46	60		10:25	70		10:57	60		9:57	42
do	30-8			15:41		417	16:14		501	15:58		425	16:42		481	15:54		417	16:26		407	15:50		414
do	30-8				22:20	63		22:33	61		22:17	-40		23:08	55		22:48	73		23:20	63		22:19	39
vr	31-8			04:02		384	04:34		462	4:18		387	05:05		443	4:15		384	04:47		374	4:12		380
vr	31-8				10:28	60		10:41	70		10:25	-35		11:16	60		10:56	70		11:28	60		10:20	42
vr	31-8			16:19		410	16:45		495	16:29		419	17:14		475	16:32		410	17:04		400	16:25		406
vr	31-8				22:51	65		23:03	68		22:47	-33		23:37	62		23:19	75		23:51	65		22:42	44



getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
za	1-9			04:39		376	05:04		457	4:48		381	05:37		437	4:52		376	05:24		366	4:46		371
za	1-9				11:01	60		11:11	70		10:55	-25		11:44	70		11:29	70		12:01	60		10:40	42
za	1-9			16:56		402	17:19		488	17:03		413	17:49		469	17:09		402	17:41		392	16:57		398
za	1-9				23:25	71		23:34	76		23:18	-95		00:06	0		23:53	10		00:25	0		23:06	50
zo	2-9			05:16		369	05:38		453	5:22		-35		00:06	60		23:53	80		00:25	70		5:14	365
zo	2-9				11:38	70		11:44	80		11:28	377	06:11		433	5:29		369	06:01		359		11:10	52
zo	2-9			17:32		394	17:57		480	17:41		-24		12:15	71		12:06	83		12:38	73		17:27	392
zo	2-9				00:04	0		00:09	0		23:53	404	18:27		460	17:45		394	18:17		384		23:41	57
ma	3-9				00:04	70		00:09	80		23:53	-25		00:39	70		0:32	80		01:04	70		5:42	363
ma	3-9			05:51		365	06:17		449	6:01		373	06:50		429	6:04		365	06:36		355		11:53	52
ma	3-9				12:22	81		12:25	87		12:09	-21		12:54	74		12:50	91		13:22	81		18:08	386
ma	3-9			18:11		386	18:42		468	18:26		-15	19:12		449	18:24		386	18:56		376		0:31	-18
di	4-9				00:51	80		00:53	90		0:37	-15		01:23	80		1:19	90		01:51	80		0:31	62
di	4-9			06:34		362	07:07		443	6:51		368	07:40		424	6:47		362	07:19		352		6:34	361
di	4-9				13:14	91		13:16	101		13:00	-10		13:45	85		13:42	101		14:14	91		12:54	72
di	4-9			19:07		376	19:41		452	19:25		380	20:12		436	19:20		376	19:52		366		19:17	376
wo	5-9				01:48	90		01:52	110		1:36	-5		02:21	90		2:16	100		02:48	90		1:42	72
wo	5-9			07:39		359	08:14		435	7:58		363	08:48		419	7:52		359	08:24		349		7:51	358
wo	5-9				14:19	98		14:25	115		14:09	6		14:52	101		14:47	108		15:19	98		14:19	82
wo	5-9			20:19		368	21:00		441	20:44		371	21:32		427	20:32		368	21:04		358		20:33	368
do	6-9				03:03	100		03:13	120		2:57	5		03:42	100		3:31	110		04:03	100		3:07	82
do	6-9	9:03 VM		09:00		361	09:41		437	9:25		366	10:13		422	9:13		361	09:45		351		9:09	362
do	6-9				15:51	94		15:57	113		15:41	6		16:28	101		16:19	104		16:51	94		15:47	74
do	6-9			21:47		368	22:29		445	22:13		374	22:59		430	22:00		368	22:32		358		21:50	369
vr	7-9				04:33	90		04:43	100		4:27	-5		05:14	90		5:01	100		05:33	90		4:25	62
vr	7-9			10:30		374	11:05		454	10:49		382	11:35		438	10:43		374	11:15		364		10:28	373
vr	7-9				17:17	73		17:25	88		17:09	-18		17:55	77		17:45	83		18:17	73		17:06	55
vr	7-9			23:17		378	23:49		461	23:33		388	00:20		0	23:30		10	00:02		0		23:14	377
za	8-9				05:48	70		05:59	80		5:43	-25		00:20	444		23:30	378		00:02	368		5:39	52
za	8-9			11:48		391	12:16		477	12:00		403		06:30	70		6:16	80		06:48	70		11:45	389
za	8-9				18:31	54		18:38	59		18:22	-45	12:44		459	12:01		391	12:33		381		18:30	36
za	8-9			00:28		0	00:58		0	0:42		403		19:11	50		18:59	64		19:31	54		0:27	-18
zo	9-9			00:28		390	00:58		477	0:42		-45	01:26		459	0:41		390	01:13		380		0:27	389
zo	9-9				06:56	50		07:06	60		6:50	420		07:40	50		7:24	60		07:56	50		7:08	32
zo	9-9			12:49		406	13:18		496	13:02		-64	13:42		476	13:02		406	13:34		396		12:48	404
zo	9-9				19:38	40		19:42	39		19:26	-64		20:18	31		20:06	50		20:38	40		19:58	21

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	10-9			01:23		395	01:57		484	1:41		409	02:21		465	1:36		395	02:08		385	1:23		395
ma	10-9				07:56	40		08:04	40		7:48	-65		08:41	30		8:24	50		08:56	40		8:20	22
ma	10-9			13:39		414	14:12		506	13:56		428	14:34		484	13:52		414	14:24		404	13:40		414
ma	10-9				20:32	35		20:35	32		20:19	-71		21:13	24		21:00	45		21:32	35		20:57	15
di	11-9			02:10		395	02:49		483	2:33		407	03:11		463	2:23		395	02:55		385	2:11		396
di	11-9				08:46	40		08:54	40		8:38	-65		09:32	30		9:14	50		09:46	40		9:14	22
di	11-9			14:24		417	15:01		508	14:45		430	15:22		486	14:37		417	15:09		407	14:28		417
di	11-9				21:18	38		21:22	34		21:06	-68		22:00	27		21:46	48		22:18	38		21:45	17
wo	12-9			02:52		391	03:36		477	3:20		401	03:57		457	3:05		391	03:37		381	2:58		393
wo	12-9				09:30	40		09:38	40		9:22	-65		10:16	30		9:58	50		10:30	40		10:00	22
wo	12-9			15:06		416	15:46		504	15:30		426	16:07		482	15:19		416	15:51		406	15:15		415
wo	12-9				21:58	45		22:03	42		21:47	-60		22:41	35		22:26	55		22:58	45		22:26	25
do	13-9			03:32		387	04:17		469	4:01		-55	04:40		450	3:45		387	04:17		377	3:43		387
do	13-9	8:25	LK		10:08	50		10:16	50		10:00	418		10:55	40		10:36	60		11:08	50		10:38	22
do	13-9			15:47		411	16:25		495	16:09		-49	16:49		474	16:00		411	16:32		401	15:58		407
do	13-9				22:33	54		22:38	52		22:22	388		23:16	46		23:01	64		23:33	54		22:56	37
vr	14-9			04:11		383	04:51		462	4:35		388	05:17		444	4:24		383	04:56		373	4:23		380
vr	14-9				10:43	50		10:50	50		10:34	-45		11:29	50		11:11	60		11:43	50		11:03	32
vr	14-9			16:27		401	17:00		483	16:44		408	17:28		464	16:40		401	17:12		391	16:35		396
vr	14-9				23:05	63		23:10	61		22:54	-40		23:47	55		23:33	10		00:05	0		22:38	46
za	15-9			04:49		376	05:21		457	5:05		383	05:52		439	5:05		376	05:34		366	4:52		371
za	15-9				11:16	60		11:23	60		11:07	-35		11:59	60		5:02	376		00:05	60		10:43	42
za	15-9			17:05		387	17:34		469	17:18		395	18:06		451	17:18		387	17:50		377	17:00		383
za	15-9				23:35	72		23:42	72		23:26	-95		00:17	0		17:18	387		00:05	60		23:03	49
zo	16-9			05:26		369	05:54		453	5:38		-35	00:17		60		0:03	80		00:35	70		5:13	365
zo	16-9				11:49	70		11:58	70		11:42	378	06:27		434	5:39		369	06:11		359	11:16		42
zo	16-9			17:42		372	18:12		454	17:56		-27	12:30		68		12:17	83		12:49	73		17:26	371
zo	16-9				00:09	0		00:16	0		0:00	381	18:46		437	17:55		372	18:27		362		23:39	56
ma	17-9				00:09	80		00:16	80		0:00	-25		00:49	70		0:37	90		01:09	80		5:47	361
ma	17-9			06:03		361	06:34		446	6:18		372	07:07		428	6:16		361	06:48		351		12:00	52
ma	17-9				12:27	86		12:37	92		12:21	-14		13:07	81		12:55	96		13:27	86		18:13	357
ma	17-9			18:25		358	18:57		437	18:41		-5	19:33		423	18:38		358	19:10		348		0:26	-18
di	18-9				00:50	90		00:57	110		0:41	366		01:29	90		1:18	100		01:50	90		0:26	72
di	18-9			06:53		356	07:23		438	7:07		7	07:57		422	7:06		356	07:38		346	6:47		355
di	18-9				13:18	102		13:26	115		13:10	355		13:55	102		13:46	112		14:18	102		12:58	80
di	18-9			19:27		347	19:56		422	19:40		25	20:30		411	19:40		347	20:12		337	19:25		345

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	19-9				01:46	110		01:53	130		1:37	25		02:24	120		2:14	120		02:46	110		1:34	92
wo	19-9			08:02		356	08:27		432	8:11		364	09:00		420	8:15		356	08:47		346	8:10		354
wo	19-9				14:27	118		14:34	138		14:18	31		15:02	126		14:55	128		15:27	118		14:27	104
wo	19-9			20:40		346	21:10		416	20:54		351	21:42		407	20:53		346	21:25		336	20:48		343
do	20-9				03:01	120		03:12	150		2:56	45		03:42	140		3:29	130		04:01	120		3:14	112
do	20-9	7:30	NM	09:16		367	09:47		439	9:31		372	10:18		428	9:29		367	10:01		357	9:26		367
do	20-9				15:52	121		16:03	144		15:47	38		16:32	133		16:20	131		16:52	121		16:04	105
do	20-9			21:56		355	22:35		425	22:19		359	23:08		415	22:09		355	22:41		345	22:05		354
vr	21-9				04:29	120		04:41	140		4:25	35		05:11	130		4:57	130		05:29	120		4:35	102
vr	21-9			10:31		387	11:07		462	10:51		394	11:36		450	10:44		387	11:16		377	10:37		389
vr	21-9				17:17	108		17:25	126		17:09	20		17:54	115		17:45	118		18:17	108		17:16	92
vr	21-9			23:10		370	23:48		447	23:32		-56	00:21		0	23:23		370	23:55		360	23:16		371
za	22-9				05:43	100		05:51	120		5:35	377	00:21		433		6:11	110		06:43	100		5:42	92
za	22-9			11:36		408	12:09		488	11:53		15	06:21		110	11:49		408	12:21		398	11:39		410
za	22-9				18:18	92		18:26	103		18:10	416	12:36		472		18:46	102		19:18	92		18:19	77
za	22-9			00:07		0	00:41		0	0:25		-2	18:56		93	0:20		10	00:52		0	0:12		-18
zo	23-9			00:07		384	00:41		464	0:25		391	01:11		447	0:20		384	00:52		374	0:12		385
zo	23-9				06:35	90		06:44	100		6:28	-5		07:15	90		7:03	100		07:35	90		6:40	82
zo	23-9			12:25		421	12:56		503	12:40		430	13:22		486	12:38		421	13:10		411	12:28		422
zo	23-9				19:04	82		19:13	87		18:57	-17		19:44	78		19:32	92		20:04	82		19:11	67
ma	24-9			00:50		390	01:22		471	1:06		396	01:49		452	1:03		390	01:35		380	0:52		391
ma	24-9				07:18	80		07:27	90		7:11	-15		07:59	80		7:46	90		08:18	80		7:26	72
ma	24-9			13:05		424	13:35		508	13:19		433	13:59		489	13:18		424	13:50		414	13:07		424
ma	24-9				19:43	77		19:52	79		19:36	-24		20:24	71		20:11	87		20:43	77		19:50	60
di	25-9			01:25		392	01:56		473	1:40		398	02:23		454	1:38		392	02:10		382	1:25		392
di	25-9				07:55	70		08:04	80		7:48	-25		08:37	70		8:23	80		08:55	70		8:01	62
di	25-9			13:39		422	14:09		507	13:53		431	14:33		487	13:52		422	14:24		412	13:39		422
di	25-9				20:18	72		20:27	72		20:11	-31		21:00	64		20:46	82		21:18	72		20:20	53
wo	26-9			01:55		391	02:30		473	2:14		399	02:57		455	2:08		391	02:40		381	1:53		392
wo	26-9				08:29	70		08:39	70		8:23	-35		09:12	60		8:57	80		09:29	70		8:27	52
wo	26-9			14:08		419	14:42		505	14:26		429	15:08		485	14:21		419	14:53		409	14:08		419
wo	26-9				20:52	66		21:01	65		20:45	-38		21:35	57		21:20	76		21:52	66		20:47	45
do	27-9			02:20		393	03:03		474	2:47		-35	03:31		455	2:33		393	03:05		383	2:24		392
do	27-9				09:02	60		09:12	60		8:56	427		09:47	60		9:30	70		10:02	60		8:54	42
do	27-9			14:36		418	15:15		503	14:59		-44	15:42		483	14:49		418	15:21		408	14:42		417
do	27-9				21:24	62		21:34	60		21:18	398		22:09	51		21:52	72		22:24	62		21:17	39

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
vr	28-9	4:53	EK	02:52		393	03:35		473	3:19		5	04:05		454	3:05		393	03:37		383	3:02		391
vr	28-9				09:34	60		09:45	60		9:29	-45		10:21	50		10:02	70		10:34	60		9:23	42
vr	28-9			15:12		417	15:48		500	15:32		425	16:16		481	15:25		417	15:57		407	15:22		413
vr	28-9				21:55	63		22:06	61		21:50	-41		22:43	54		22:23	73		22:55	63		21:46	40
za	29-9			03:32		392	04:07		471	3:51		396	04:37		452	3:45		392	04:17		382	3:42		387
za	29-9				10:06	60		10:18	60		10:02	-35		10:54	60		10:34	70		11:06	60		9:48	42
za	29-9			15:52		412	16:22		496	16:06		421	16:50		477	16:05		412	16:37		402	16:01		407
za	29-9				22:27	68		22:38	69		22:22	-32		23:13	63		22:55	78		23:27	68		22:12	47
zo	30-9			04:13		387	04:39		468	4:23		393	05:10		449	4:26		387	04:58		377	4:19		382
zo	30-9				10:40	60		10:50	70		10:34	-35		11:24	60		11:08	70		11:40	60		10:15	42
zo	30-9			16:33		403	16:57		487	16:41		413	17:26		469	16:46		403	17:18		393	16:36		399
zo	30-9				23:01	76		23:10	80		22:54	-22		23:42	73		23:29	10		00:01	0		22:40	56

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	1-10			04:52		381	05:15		465	4:59		390	05:46		446		23:29	80		00:01	70	4:51		377
ma	1-10				11:18	70		11:25	80		11:09	-25		11:55	70	5:05		381	05:37		371		10:50	52
ma	1-10			17:11		391	17:37		474	17:21		401	18:06		457		11:46	85		12:18	75	17:09		390
ma	1-10				23:39	86		23:46	92		23:30	-95		00:16	0	17:24		391	17:56		381		23:16	66
di	2-10			05:29		375	05:56		459	5:40		-15		00:16	80		0:07	90		00:39	80	5:23		374
di	2-10				12:01	80		12:06	90		11:50	385	06:27		441	5:42		375	06:14		365		11:34	62
di	2-10			17:53		377	18:25		457	18:09		-16		12:35	79		12:29	94		13:01	84	17:53		379
di	2-10				00:25	0		00:30	0		0:14	384	18:53		440	18:06		377	18:38		367		0:06	-18
wo	3-10				00:25	90		00:30	100		0:14	-5		00:59	90		0:53	100		01:25	90		0:06	72
wo	3-10			06:14		368	06:48		449	6:32		376	07:18		432	6:27		368	06:59		358	6:16		368
wo	3-10				12:54	94		12:58	107		12:42	-3		13:26	92		13:22	104		13:54	94		12:37	78
wo	3-10			18:52		363	19:29		437	19:13		367	19:59		423	19:05		363	19:37		353	18:59		364
do	4-10				01:23	110		01:28	120		1:12	15		01:57	110		1:51	120		02:23	110		1:21	92
do	4-10			07:21		362	07:58		438	7:42		367	08:32		423	7:34		362	08:06		352	7:31		362
do	4-10				14:04	103		14:09	122		13:53	14		14:36	109		14:32	113		15:04	103		14:07	88
do	4-10			20:15		354	20:55		427	20:39		359	21:29		415	20:28		354	21:00		344	20:20		354
vr	5-10				02:44	110		02:54	130		2:38	25		03:23	120		3:12	120		03:44	110		2:53	92
vr	5-10			08:52		364	09:29		440	9:13		371	10:01		427	9:05		364	09:37		354	8:55		363
vr	5-10				15:47	94		15:47	118		15:31	11		16:18	106		16:15	104		16:47	94		15:38	79
vr	5-10	20:40	VM	21:53		361	22:24		438	22:08		368	22:55		424	22:06		361	22:38		351	21:56		358
za	6-10				04:22	100		04:30	120		4:14	5		05:00	100		4:50	110		05:22	100		4:16	82
za	6-10			10:24		380	10:53		460	10:37		389	11:21		445	10:37		380	11:09		370	10:28		377
za	6-10				17:07	71		17:14	89		16:58	-16		17:43	79		17:35	81		18:07	71		17:01	58
za	6-10			23:13		378	23:41		460	23:25		-56	00:12		0	23:26		378	23:58		368	23:23		376
zo	7-10				05:36	70		05:46	90		5:30	388	00:12		444		6:04	80		06:36	70		5:35	62
zo	7-10			11:37		400	12:03		486	11:47		-15		06:16	80	11:50		400	12:22		390	11:45		398
zo	7-10				18:20	54		18:24	62		18:08	411	12:29		467		18:48	64		19:20	54		18:38	40
zo	7-10			00:16		0	00:47		0	0:31		-41		18:57	54	0:29		10	01:01		0	0:24		-18
ma	8-10			00:16		393	00:47		479	0:31		404	01:14		460	0:29		393	01:01		383	0:24		393
ma	8-10				06:43	60		06:51	60		6:35	-35		07:26	60		7:11	70		07:43	60		7:04	42
ma	8-10			12:34		415	13:03		503	12:47		426	13:27		482	12:47		415	13:19		405	12:40		414
ma	8-10				19:23	44		19:25	45		19:09	411		20:00	38		19:51	54		20:23	44		19:48	28
di	9-10			01:07		400	01:42		487	1:26		-55	02:06		467	1:20		400	01:52		390	1:11		401
di	9-10				07:40	50		07:47	50		7:31	430		08:23	40		8:08	60		08:40	50		8:06	32
di	9-10			13:21		420	13:55		509	13:39		-60	14:16		486	13:34		420	14:06		410	13:24		420
di	9-10				20:13	44		20:15	42		19:59	-60		20:52	35		20:41	54		21:13	44		20:39	26

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
wo	10-10			01:50		399	02:30		485	2:14		409	02:51		465	2:03		399	02:35		389	1:52		402
wo	10-10				08:28	50		08:34	50		8:18	-55		09:12	40		8:56	60		09:28	50		8:54	32
wo	10-10			14:02		418	14:41		505	14:25		427	15:02		483	14:15		418	14:47		408	14:06		419
wo	10-10				20:55	51		20:59	47		20:43	-55		21:36	40		21:23	61		21:55	51		21:20	30
do	11-10			02:26		397	03:12		479	2:56		404	03:33		460	2:39		397	03:11		387	2:31		400
do	11-10				09:08	50		09:15	50		8:59	-45		09:54	50		9:36	60		10:08	50		9:35	32
do	11-10			14:40		413	15:22		496	15:06		420	15:44		476	14:53		413	15:25		403	14:48		413
do	11-10				21:30	58		21:37	55		21:21	-46		22:14	49		21:58	68		22:30	58		21:53	37
vr	12-10			03:01		395	03:46		473	3:30		-45	04:11		455	3:14		395	03:46		385	3:11		396
vr	12-10				09:42	50		09:50	60		9:34	410		10:30	50		10:10	60		10:42	50		10:09	32
vr	12-10	14:25	LK	15:18		405	15:58		485	15:42		-39	16:24		466	15:31		405	16:03		395	15:30		403
vr	12-10				21:59	63		22:09	62		21:53	396		22:47	56		22:27	73		22:59	63		22:10	44
za	13-10			03:38		392	04:16		471	4:00		396	04:45		452	3:51		392	04:23		382	3:49		390
za	13-10				10:13	60		10:22	60		10:06	-45		11:01	50		10:41	70		11:13	60		10:20	42
za	13-10			15:57		394	16:31		474	16:15		399	17:01		455	16:10		394	16:42		384	16:06		390
za	13-10				22:28	68		22:38	70		22:22	-31		23:15	64		22:56	78		23:28	68		22:07	50
zo	14-10			04:15		388	04:45		469	4:29		393	05:17		449	4:28		388	05:00		378	4:19		383
zo	14-10				10:45	60		10:53	60		10:37	-35		11:29	60		11:13	70		11:45	60		10:16	42
zo	14-10			16:36		382	17:03		462	16:47		388	17:37		444	16:49		382	17:21		372	16:33		377
zo	14-10				22:59	79		23:07	83		22:51	-20		23:42	75		23:27	89		23:59	79		22:32	58
ma	15-10			04:51		382	05:18		466	5:02		390	05:50		446	5:04		382	05:36		372	4:41		377
ma	15-10				11:19	70		11:27	80		11:11	-25		11:59	70		11:47	80		12:19	70		10:47	52
ma	15-10			17:12		369	17:38		449	17:22		377	18:12		433	17:25		369	17:57		359	16:56		367
ma	15-10				23:33	96		23:39	102		23:23	-95		00:12	0		0:01	10		00:33	0		23:04	72
di	16-10			05:25		376	05:56		460	5:40		-5	00:12		90		0:01	100		00:33	90		5:11	374
di	16-10				11:56	90		12:03	100		11:47	385	06:27		441	5:38		376	06:10		366		11:27	62
di	16-10			17:50		359	18:19		436	18:03		-4	12:33		91		12:24	108		12:56	98		17:34	358
di	16-10				00:10	0		00:15	0		23:59	15	18:53		422	18:03		359	18:35		349		23:44	93
wo	17-10				00:10	110		00:15	120		23:59	381		00:48	110		0:38	120		01:10	110		6:00	371
wo	17-10			06:06		373	06:40		452	6:24		18	07:12		437	6:19		373	06:51		363		12:17	92
wo	17-10				12:41	118		12:46	127		12:30	357		13:16	113		13:09	128		13:41	118		18:38	349
wo	17-10			18:43		351	19:10		423	18:54		35	19:44		413	18:56		351	19:28		341		0:38	-18
do	18-10				00:57	130		01:02	150		0:46	35		01:34	130		1:25	140		01:57	130		0:38	122
do	18-10			07:08		372	07:37		445	7:21		378	08:09		434	7:21		372	07:53		362	7:18		369
do	18-10				13:40	135		13:43	153		13:27	44		14:12	139		14:08	145		14:40	135		13:30	125
do	18-10			19:53		350	20:16		415	20:00		352	20:49		408	20:06		350	20:38		340	20:03		346

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	19-10				02:01	150		02:08	170		1:52	65		02:37	160		2:29	160		03:01	150		2:06	142
vr	19-10			08:22		378	08:50		445	8:34		382	09:22		438	8:35		378	09:07		368	8:38		378
vr	19-10				14:56	141		15:04	165		14:48	58		15:32	153		15:24	151		15:56	141		15:15	131
vr	19-10	21:12	NM	21:09		357	21:38		419	21:22		357	22:08		413	21:22		357	21:54		347	21:20		355
za	20-10				03:22	150		03:38	180		3:22	65		04:09	160		3:50	160		04:22	150		3:46	142
za	20-10			09:40		392	10:13		459	9:57		396	10:41		452	9:53		392	10:25		382	9:49		394
za	20-10				16:21	128		16:34	149		16:18	42		17:05	137		16:49	138		17:21	128		16:31	113
za	20-10			22:22		370	22:57		437	22:41		372	23:28		428	22:35		370	23:07		360	22:31		371
zo	21-10				04:52	130		05:02	150		4:46	45		05:35	140		5:20	140		05:52	130		4:55	122
zo	21-10			10:48		408	11:22		480	11:06		413	11:49		469	11:01		408	11:33		398	10:55		409
zo	21-10				17:31	106		17:41	120		17:25	13		18:12	108		17:59	116		18:31	106		17:32	90
zo	21-10			23:23		384	23:57		457	23:41		-56	00:28		0	23:36		10	00:08		0	23:30		385
ma	22-10				05:53	110		06:02	120		5:46	388	00:28		444	23:36		384	00:08		374		5:55	92
ma	22-10			11:44		417	12:14		494	11:58		15	06:34		110		6:21	120	06:53		110	11:50		418
ma	22-10				18:22	87		18:31	95		18:15	423	12:41		479	11:57		417	12:29		407		18:26	72
ma	22-10			00:12		0	00:42		0	0:26		-11	19:03		84		18:50	97	19:22		87	0:16		-18
di	23-10			00:12		392	00:42		469	0:26		397	01:11		453	0:25		392	00:57		382	0:16		392
di	23-10				06:40	90		06:49	100		6:33	-15	07:22		80		7:08	100	07:40		90		6:46	72
di	23-10			12:29		418	12:57		497	12:41		425	13:23		481	12:42		418	13:14		408	12:33		417
di	23-10				19:05	75		19:13	80		18:57	-24	19:46		71		19:33	85	20:05		75	19:11		60
wo	24-10			00:52		393	01:21		473	1:05		400	01:49		456	1:05		393	01:37		383	0:51		392
wo	24-10				07:21	70		07:29	80		7:13	-25	08:03		70		7:49	80	08:21		70		7:27	62
wo	24-10			13:07		414	13:35		496	13:19		422	14:02		478	13:20		414	13:52		404	13:07		413
wo	24-10				19:44	68		19:51	71		19:35	-33	20:25		62		20:12	78	20:44		68	19:45		53
do	25-10			01:25		393	01:57		475	1:41		402	02:26		458	1:38		393	02:10		383	1:21		392
do	25-10				08:00	70		08:06	70		7:50	-35	08:42		60		8:28	80	09:00		70		7:54	52
do	25-10			13:39		411	14:11		495	13:55		420	14:39		476	13:52		411	14:24		401	13:36		409
do	25-10				20:21	64		20:27	64		20:11	-39	21:03		56		20:49	74	21:21		64	20:05		47
vr	26-10			01:53		395	02:33		476	2:17		403	03:02		459	2:06		395	02:38		385	1:52		394
vr	26-10				08:37	60		08:43	60		8:27	-45	09:19		50		9:05	70	09:37		60		8:10	42
vr	26-10			14:09		410	14:48		495	14:32		419	15:16		475	14:22		410	14:54		400	14:11		408
vr	26-10				20:56	62		21:04	60		20:48	-42	21:40		53		21:24	72	21:56		62	20:30		42
za	27-10			02:25		398	03:07		478	2:51		-45	03:38		460	2:38		398	03:10		388	2:30		395
za	27-10				09:13	60		09:19	60		9:03	418	09:57		50		9:41	70	10:13		60		8:41	42
za	27-10			14:47		410	15:25		494	15:09		-41	15:54		474	15:00		410	15:32		400	14:53		406
za	27-10				21:31	64		21:40	61		21:24	405	22:17		54		21:59	74	22:31		64	21:05		43

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
zo	28-10	0:22	EK	02:06		399	02:42		479	2:26		405	03:12		461	2:19		399	02:51		389	2:13		395
zo	28-10				08:48	63		08:56	63		8:40	-39		09:34	56		9:16	73		09:48	63		8:18	43
zo	28-10			14:30		406	15:02		489	14:46		414	15:32		470	14:43		406	15:15		396	14:37		401
zo	28-10				21:04	70		21:16	68		21:00	-33		21:51	62		21:32	80		22:04	70		20:41	48
ma	29-10			02:50		398	03:18		479	3:02		405	03:48		461	3:03		398	03:35		388	2:54		393
ma	29-10				09:24	66		09:33	66		9:17	-35		10:09	60		9:52	76		10:24	66		8:56	45
ma	29-10			15:14		396	15:42		478	15:26		405	16:11		461	15:27		396	15:59		386	15:18		393
ma	29-10				21:40	77		21:51	79		21:35	-22		22:25	73		22:08	87		22:40	77		21:19	57
di	30-10			03:33		393	03:57		477	3:41		403	04:28		459	3:46		393	04:18		383	3:31		390
di	30-10				10:03	71		10:12	74		9:56	-29		10:44	66		10:31	81		11:03	71		9:39	49
di	30-10			15:59		382	16:25		462	16:09		391	16:56		447	16:12		382	16:44		372	15:58		381
di	30-10				22:19	87		22:30	93		22:14	-11		23:01	84		22:47	97		23:19	87		22:01	68
wo	31-10			04:16		385	04:42		469	4:26		397	05:13		453	4:29		385	05:01		375	4:10		385
wo	31-10				10:47	78		10:56	85		10:40	-20		11:26	75		11:15	88		11:47	78		10:29	58
wo	31-10			16:49		365	17:18		443	17:02		373	17:50		429	17:02		365	17:34		355	16:46		367
wo	31-10				23:06	99		23:15	111		22:59	4		23:46	99		23:34	10		00:06	0		22:54	84



getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	1-11			05:06		376	05:37		457	5:21		386	06:09		442		23:34	109		00:06	99	5:03		377
do	1-11				11:43	88		11:50	100		11:34	-6		12:19	89	5:19		376	05:51		366		11:34	70
do	1-11			17:53		351	18:25		426	18:09		358	19:04		414		12:11	98		12:43	88	17:52		351
do	1-11				00:06	0		00:16	0		0:00	-95		00:46	0	18:06		351	18:38		341		0:09	-18
vr	2-11				00:06	111		00:16	131		0:00	22		00:46	117		0:34	121		01:06	111		0:09	100
vr	2-11			06:14		368	06:49		446	6:33		378	07:25		434	6:27		368	06:59		358	6:14		368
vr	2-11				13:04	95		13:03	113		12:47	8		13:34	103		13:32	105		14:04	95		12:58	78
vr	2-11			19:23		346	19:50		421	19:34		32	20:27		412	19:36		346	20:08		336	19:22		344
za	3-11				01:38	116		01:41	140		1:25	381		02:15	127		2:06	126		02:38	116		1:38	103
za	3-11			07:46		370	08:15		447	7:59		0	08:49		437	7:59		370	08:31		360	7:46		368
za	3-11				14:40	82		14:35	107		14:19	368		15:08	95		15:08	92		15:40	82		14:24	72
za	3-11			20:46		357	21:12		434	20:56		15	21:45		424	20:59		357	21:31		347	20:58		354
zo	4-11				03:08	98		03:11	124		2:55	15		03:44	110		3:36	108		04:08	98		3:00	91
zo	4-11	6:23 VM		09:09		384	09:35		464	9:19		395	10:04		451	9:22		384	09:54		374	9:20		381
zo	4-11				15:51	64		15:53	85		15:37	-21		16:24	74		16:19	74		16:51	64		15:49	57
zo	4-11			21:59		375	22:26		456	22:10		386	22:57		442	22:12		375	22:44		365	22:11		374
ma	5-11				04:18	79		04:25	98		4:09	-9		04:56	86		4:46	89		05:18	79		4:22	74
ma	5-11			10:18		400	10:44		484	10:28		410	11:12		466	10:31		400	11:03		390	10:30		399
ma	5-11				17:01	52		17:01	63		16:45	-40		17:34	55		17:29	62		18:01	52		17:24	44
ma	5-11			22:59		389	23:29		474	23:13		400	23:57		456	23:12		389	23:44		379	23:08		390
di	6-11				05:25	65		05:29	77		5:13	-28		06:04	67		5:53	75		06:25	65		5:48	58
di	6-11			11:14		408	11:43		494	11:27		418	12:09		474	11:27		408	11:59		398	11:22		409
di	6-11				18:02	47		18:00	51		17:44	-52		18:36	43		18:30	57		19:02	47		18:27	36
di	6-11			23:48		395	00:22		0	0:06		-56	00:47		0	0:01		10	00:33		0	23:52		-18
wo	7-11				06:22	58		00:22	481	0:06		406	00:47		462	0:01		395	00:33		385	23:52		397
wo	7-11			12:01		408		06:25	64		6:09	-41		07:01	54		6:50	68		07:22	58		6:46	47
wo	7-11				18:50	50	12:35		494	12:19		417	12:58		473	12:14		408	12:46		398	12:03		409
wo	7-11			00:28		0		18:50	49		18:34	-53		19:27	42		19:18	60		19:50	50		19:11	36
do	8-11			00:28		395	01:07		479	0:51		404	01:29		460	0:41		395	01:13		385	0:27		399
do	8-11				07:08	56		07:11	59		6:55	-45		07:49	50		7:36	66		08:08	56		7:30	41
do	8-11			12:40		402	13:19		486	13:03		410	13:41		466	12:53		402	13:25		392	12:41		404
do	8-11				19:29	58		19:32	54		19:16	-48		20:09	47		19:57	68		20:29	58		19:42	39
vr	9-11			01:01		395	01:44		476	1:28		403	02:07		459	1:14		395	01:46		385	1:01		399
vr	9-11				07:46	57		07:51	58		7:35	-45		08:29	50		8:14	67		08:46	57		8:06	39
vr	9-11			13:16		395	13:58		477	13:42		404	14:22		460	13:29		395	14:01		385	13:20		398
vr	9-11				20:00	63		20:08	60		19:52	-42		20:46	53		20:28	73		21:00	63		19:46	40

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	10-11			01:33		396	02:15		475	1:59		403	02:42		459	1:46		396	02:18		386	1:39		398
za	10-11				08:18	58		08:25	58		8:09	-44		09:04	51		8:46	68		09:18	58		8:32	38
za	10-11			13:53		390	14:34		470	14:18		398	15:01		454	14:06		390	14:38		380	14:02		390
za	10-11	21:36	LK		20:27	66		20:39	66		20:23	-36		21:17	59		20:55	76		21:27	66		20:17	43
zo	11-11			02:10		397	02:44		478	2:28		405	03:15		461	2:23		397	02:55		387	2:18		396
zo	11-11				08:48	59		08:57	60		8:41	-41		09:35	54		9:16	69		09:48	59		8:40	42
zo	11-11			14:34		384	15:07		465	14:51		393	15:38		449	14:47		384	15:19		374	14:43		382
zo	11-11				20:58	71		21:09	74		20:53	-28		21:47	67		21:26	81		21:58	71		20:46	53
ma	12-11			02:49		396	03:16		480	3:00		405	03:48		461	3:02		396	03:34		386	2:53		391
ma	12-11				09:21	67		09:29	68		9:13	-33		10:05	62		9:49	77		10:21	67		9:00	51
ma	12-11			15:15		378	15:40		458	15:24		386	16:14		442	15:28		378	16:00		368	15:16		373
ma	12-11				21:33	85		21:40	89		21:24	-15		22:15	80		22:01	95		22:33	85		21:10	68
di	13-11			03:27		393	03:51		478	3:35		403	04:22		459	3:40		393	04:12		383	3:20		388
di	13-11				09:58	84		10:03	84		9:47	-19		10:36	76		10:26	94		10:58	84		9:29	65
di	13-11			15:54		370	16:15		449	15:59		379	16:48		435	16:07		370	16:39		360	15:39		366
di	13-11				22:08	106		22:12	110		21:56	4		22:46	99		22:36	116		23:08	106		21:39	87
wo	14-11			04:02		389	04:28		473	4:12		400	04:58		456	4:15		389	04:47		379	3:46		387
wo	14-11				10:35	104		10:38	105		10:22	-1		11:10	94		11:03	114		11:35	104		10:04	82
wo	14-11			16:30		362	16:52		439	16:36		371	17:25		427	16:43		362	17:15		352	16:09		361
wo	14-11				22:44	128		22:46	133		22:30	24		23:19	119		23:12	138		23:44	128		22:15	107
do	15-11			04:36		387	05:08		467	4:52		397	05:38		453	4:49		387	05:21		377	4:24		387
do	15-11				11:16	122		11:17	125		11:01	17		11:48	112		11:44	132		12:16	122		10:48	101
do	15-11			17:13		356	17:35		429	17:19		364	18:09		420	17:26		356	17:58		346	16:59		356
do	15-11				23:24	145		23:27	153		23:11	-95		00:00	0		23:52	10		00:24	0		23:01	129
vr	16-11			05:25		386	05:55		461	5:39		43	00:00		138	5:38		386	06:10		376	5:24		384
vr	16-11				12:05	133		12:05	142		11:49	394	06:26		450	5:38		386	06:10		376	5:24		384
vr	16-11			18:09		353	18:31		420	18:15		33	12:36		128	18:22		353	18:54		343	18:15		351
vr	16-11				00:17	0		00:20	0		0:04	358	19:06		414	18:22		353	18:54		343	18:15		351
za	17-11				00:17	155		00:20	169		0:04	58	00:52		153	18:22		353	18:54		343	18:15		351
za	17-11			06:28		386	06:56		455	6:40		391	07:28		447	6:41		386	07:13		376	6:43		384
za	17-11				13:05	134		13:08	151		12:52	43	13:37		138	6:41		386	07:13		376	6:43		384
za	17-11			19:18		355	19:40		419	19:24		357	20:14		413	19:31		355	20:03		345	19:30		354
zo	18-11				01:21	153		01:30	174		1:14	65	01:59		160	19:31		355	20:03		345	19:30		354
zo	18-11			07:39		388	08:07		456	7:51		393	08:40		449	7:52		388	08:24		378	7:54		388
zo	18-11	12:42	NM		14:14	125		14:26	143		14:10	37	14:55		132	7:52		388	08:24		378	7:54		388
zo	18-11			20:30		363	20:54		428	20:38		365	21:27		421	20:43		363	21:15		353	20:38		363

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
ma	19-11				02:35	140		02:52	160		2:36	52		03:24	147		3:03	150		03:35	140		2:55	128
ma	19-11			08:52		393	09:19		464	9:03		399	09:49		455	9:05		393	09:37		383	9:00		394
ma	19-11				15:26	106		15:39	120		15:23	15		16:12	110		15:54	116		16:26	106		15:34	91
ma	19-11			21:35		374	22:00		445	21:44		378	22:32		434	21:48		374	22:20		364	21:40		374
di	20-11				03:54	117		04:04	131		3:48	24		04:39	119		4:22	127		04:54	117		3:57	102
di	20-11			09:55		398	10:20		473	10:04		404	10:49		460	10:08		398	10:40		388	10:01		398
di	20-11				16:29	86		16:37	94		16:21	-10		17:11	85		16:57	96		17:29	86		16:30	71
di	20-11			22:30		383	22:55		460	22:39		391	23:25		447	22:43		383	23:15		373	22:32		382
wo	21-11				04:54	93		05:01	104		4:45	-3		05:36	92		5:22	103		05:54	93		4:53	80
wo	21-11			10:48		400	11:11		479	10:55		408	11:41		464	11:01		400	11:33		390	10:51		399
wo	21-11				17:21	72		17:27	76		17:11	-27		18:02	68		17:49	82		18:21	72		17:19	58
wo	21-11			23:16		389	23:41		469	23:25		399	00:11		0	23:29		10	00:01		0	23:14		386
do	22-11				05:44	75		05:49	84		5:33	-22		06:11	455		23:29	389		00:01	379		5:42	65
do	22-11			11:33		400	11:57		482	11:41		409		06:24	73		6:12	85		06:44	75	11:32		398
do	22-11				18:07	63		18:12	65		17:56	409	12:26		465	11:46		400	12:18		390		17:57	51
do	22-11			23:55		392	00:23		0	0:07		-38		18:47	57		18:35	73		19:07	63	23:50		-18
vr	23-11				06:29	65		06:33	475		0:07	404	00:53		460	0:08		392	00:40		382	23:50		389
vr	23-11			12:11		399		06:33	71		6:17	-34		07:09	61		6:57	75		07:29	65		6:16	55
vr	23-11				18:50	59	12:41		484	12:25		410	13:10		466	12:24		399	12:56		389	12:08		397
vr	23-11			00:29		0		18:55	59		18:39	-44		19:30	51		19:18	69		19:50	59		18:24	46
za	24-11			00:29		394	01:03		478	0:47		407	01:34		463	0:42		394	01:14		384	0:26		393
za	24-11				07:12	58		07:16	62		7:00	-43		07:52	52		7:40	68		08:12	58		6:39	48
za	24-11			12:48		398	13:24		484	13:08		410	13:53		466	13:01		398	13:33		388	12:48		397
za	24-11				19:31	59		19:36	56		19:20	-47		20:12	48		19:59	69		20:31	59		18:57	42
zo	25-11			01:04		398	01:42		481	1:26		409	02:13		465	1:17		398	01:49		388	1:06		396
zo	25-11				07:54	55		07:57	54		7:41	-50		08:35	45		8:22	65		08:54	55		7:16	41
zo	25-11			13:28		397	14:07		481	13:51		409	14:37		465	13:41		397	14:13		387	13:33		395
zo	25-11				20:10	61		20:18	56		20:02	-46		20:54	49		20:38	71		21:10	61		19:38	41
ma	26-11			01:46		401	02:21		483	2:05		411	02:52		467	1:59		401	02:31		391	1:52		397
ma	26-11				08:34	54		08:39	50		8:23	-54		09:18	41		9:02	64		09:34	54		8:00	36
ma	26-11	18:03	EK	14:14		393	14:50		474	14:34		403	15:21		459	14:27		393	14:59		383	14:23		390
ma	26-11				20:48	65		20:58	61		20:42	-41		21:35	54		21:16	75		21:48	65		20:22	43
di	27-11			02:31		401	03:01		483	2:45		412	03:33		468	2:44		401	03:16		391	2:37		397
di	27-11				09:14	54		09:21	50		9:05	-53		09:59	42		9:42	64		10:14	54		8:48	33
di	27-11			15:03		384	15:34		463	15:18		394	16:06		450	15:16		384	15:48		374	15:12		382
di	27-11				21:26	71		21:39	70		21:23	-32		22:15	63		21:54	81		22:26	71		21:08	49

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
wo	28-11			03:19		398	03:44		481	3:28		411	04:16		467	3:32		398	04:04		388	3:21		395
wo	28-11				09:56	57		10:05	55		9:49	-47		10:41	48		10:24	67		10:56	57		9:36	33
wo	28-11			15:54		371	16:21		449	16:05		382	16:56		438	16:07		371	16:39		361	15:59		371
wo	28-11				22:07	78		22:21	83		22:05	-21		22:55	74		22:35	88		23:07	78		21:55	57
do	29-11			04:07		391	04:32		475	4:16		406	05:04		462	4:20		391	04:52		381	4:04		390
do	29-11				10:43	64		10:52	65		10:36	-38		11:26	57		11:11	74		11:43	64		10:28	38
do	29-11			16:49		357	17:14		434	16:58		369	17:53		425	17:02		357	17:34		347	16:48		358
do	29-11				22:55	88		23:09	98		22:53	-8		23:42	87		23:23	98		23:55	88		22:50	69
vr	30-11			05:00		382	05:28		464	5:12		397	06:02		453	5:13		382	05:45		372	4:55		383
vr	30-11				11:43	72		11:46	79		11:30	-25		12:21	70		12:11	82		12:43	72		11:28	48
vr	30-11			17:55		346	18:19		422	18:03		359	18:59		415	18:08		346	18:40		336	17:49		346
vr	30-11				23:58	98		00:08	0		23:52	-95		00:42	0		0:26	10		00:58	0		23:57	-18

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	1-12			06:07		374		00:08	113		23:52	7		00:42	102		0:26	108		00:58	98		23:57	81
za	1-12				13:06	76	06:36		454	6:20		389	07:12		445	6:20		374	06:52		364	6:00		375
za	1-12			19:11		343		12:54	91		12:38	-15		13:31	80		13:34	86		14:06	76		12:38	57
za	1-12				01:27	0	19:33		418	19:17		358	20:10		414	19:24		343	19:56		333	19:12		340
zo	2-12				01:27	101		01:23	122		1:07	13		02:01	108		1:55	111		02:27	101		1:13	87
zo	2-12			07:28		372	07:53		451	7:37		388	08:27		444	7:41		372	08:13		362	7:25		370
zo	2-12				14:20	68		14:11	91		13:55	-17		14:46	78		14:48	78		15:20	68		13:53	60
zo	2-12			20:24		349	20:48		425	20:32		363	21:21		419	20:37		349	21:09		339	20:33		347
ma	3-12				02:44	90		02:42	116		2:26	391		03:17	100		3:12	100		03:44	90		2:29	83
ma	3-12			08:42		377	09:08		457	8:52		-27	09:38		447	8:55		377	09:27		367	8:51		374
ma	3-12	16:47 VM			15:25	60		15:23	80		15:07	374		15:54	68		15:53	70		16:25	60		15:05	55
ma	3-12			21:32		360	21:59		439	21:43		-10	22:30		430	21:45		360	22:17		350	21:41		359
di	4-12				03:52	77		03:54	99		3:38	-10		04:26	85		4:20	87		04:52	77		3:39	72
di	4-12			09:50		382	10:17		463	10:01		393	10:46		449	10:03		382	10:35		372	10:00		380
di	4-12				16:31	54		16:29	68		16:13	-38		17:01	57		16:59	64		17:31	54		16:06	49
di	4-12			22:33		371	23:03		452	22:47		383	23:31		439	22:46		371	23:18		361	22:39		371
wo	5-12				05:00	65		05:00	81		4:44	-26		05:34	69		5:28	75		06:00	65		4:58	60
wo	5-12			10:50		382	11:19		466	11:03		393	11:47		449	11:03		382	11:35		372	10:55		383
wo	5-12				17:34	51		17:28	59		17:12	-46		18:04	49		18:02	61		18:34	51		16:57	45
wo	5-12			23:24		377	23:56		459	23:40		-56	00:22		0	23:37		10	00:09		0	23:24		377
do	6-12				06:00	55		05:58	67		5:42	388	00:22		444	23:37		377	00:09		367		6:17	48
do	6-12			11:40		379	12:13		462	11:57		-41		06:34	54		6:28	65		07:00	55	11:38		380
do	6-12				18:24	53		18:21	56		18:05	389	12:37		445	11:53		379	12:25		369		17:41	41
do	6-12			00:05		0	00:40		0	0:24		-48		18:57	47		18:52	63		19:24	53	23:58		-18
vr	7-12			00:05		379	00:40		461	0:24		391	01:03		447	0:18		379	00:50		369	23:58		381
vr	7-12				06:48	51		06:47	58		6:31	-49		07:23	46		7:16	61		07:48	51		6:58	41
vr	7-12			12:22		374	12:59		456	12:43		385	13:21		441	12:35		374	13:07		364	12:16		376
vr	7-12				19:04	59		19:05	60		18:49	-51		19:41	49		19:32	69		20:04	59		18:25	38
za	8-12			00:38		382	01:16		462	1:00		384	01:40		450	0:51		382	01:23		372	0:32		385
za	8-12				07:26	53		07:28	56		7:12	-41		08:05	44		7:54	63		08:26	53		7:10	37
za	8-12			12:59		372	13:38		452	13:22		400	14:02		440	13:12		372	13:44		362	12:56		374
za	8-12				19:35	64		19:43	65		19:27	-41		20:19	54		20:03	74		20:35	64		19:08	38
zo	9-12			01:11		387	01:48		467	1:32		400	02:14		456	1:24		387	01:56		377	1:09		389
zo	9-12				07:58	56		08:04	58		7:48	-49		08:41	46		8:26	66		08:58	56		7:40	36
zo	9-12			13:36		373	14:13		452	13:57		386	14:40		442	13:49		373	14:21		363	13:38		374
zo	9-12				20:03	67		20:16	71		20:00	-35		20:52	60		20:31	77		21:03	67		19:50	42

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	10-12			01:48		393	02:19		474	2:03		407	02:49		463	2:01		393	02:33		383	1:49		392
ma	10-12	8:51	LK		08:28	59		08:36	62		8:20	-44		09:13	51		8:56	69		09:28	59		8:14	40
ma	10-12			14:16		375	14:46		454	14:30		389	15:17		445	14:29		375	15:01		365	14:20		374
ma	10-12				20:36	73		20:48	78		20:32	412		21:24	67		21:04	83		21:36	73		20:27	54
di	11-12			02:28		397	02:54		480	2:38		-36	03:23		468	2:41		397	03:13		387	2:26		394
di	11-12				09:02	68		09:10	70		8:54	388		09:45	59		9:30	78		10:02	68		8:45	51
di	11-12			14:56		375	15:20		454	15:04		-15	15:52		444	15:09		375	15:41		365	14:56		373
di	11-12				21:12	86		21:20	91		21:04	412		21:55	80		21:40	96		22:12	86		20:55	71
wo	12-12			03:05		398	03:29		481	3:13		412	03:58		468	3:18		398	03:50		388	2:56		395
wo	12-12				09:38	82		09:44	84		9:28	-23		10:18	72		10:06	92		10:38	82		9:15	64
wo	12-12			15:34		372	15:54		449	15:38		383	16:25		439	15:47		372	16:19		362	15:22		370
wo	12-12				21:47	104		21:52	108		21:36	1		22:26	96		22:15	114		22:47	104		21:22	88
do	13-12			03:39		396	04:04		478	3:48		410	04:32		466	3:52		396	04:24		386	3:23		395
do	13-12				10:14	98		10:18	99		10:02	-10		10:51	85		10:42	108		11:14	98		9:47	77
do	13-12			16:08		365	16:28		440	16:12		376	16:59		432	16:21		365	16:53		355	15:48		366
do	13-12				22:21	121		22:25	124		22:09	15		22:58	110		22:49	131		23:21	121		21:54	102
vr	14-12			04:09		393	04:39		473	4:23		406	05:07		462	4:22		393	04:54		383	3:55		394
vr	14-12				10:51	109		10:53	110		10:37	1		11:26	96		11:19	119		11:51	109		10:25	86
vr	14-12			16:42		358	17:04		431	16:48		368	17:37		424	16:55		358	17:27		348	16:24		361
vr	14-12				22:57	131		23:00	134		22:44	24		23:33	119		23:25	141		23:57	131		22:33	112
za	15-12			04:47		389	05:18		466	5:02		401	05:47		457	5:00		389	05:32		379	4:38		390
za	15-12				11:32	113		11:34	117		11:18	7		12:05	102		12:00	123		12:32	113		11:10	93
za	15-12			17:25		351	17:48		423	17:32		359	18:22		415	17:38		351	18:10		341	17:18		353
za	15-12				23:41	134		23:43	140		23:27	-95		00:16	0		0:09	10		00:41	0		23:23	119
zo	16-12			05:39		382	06:06		458	5:50		29		00:16	124		0:09	144		00:41	134		5:38	381
zo	16-12				12:21	112		12:22	120		12:06	392	06:36		448	5:52		382	06:24		372		12:07	98
zo	16-12			18:19		347	18:43		417	18:27		10		12:53	105		12:49	122		13:21	112		18:27	347
zo	16-12				00:35	0		00:38	0		0:22	354	19:18		410	18:32		347	19:04		337		0:30	-18
ma	17-12				00:35	130		00:38	143		0:22	31		01:10	126		1:03	140		01:35	130		0:30	121
ma	17-12			06:39		375	07:06		449	6:50		384	07:36		440	6:52		375	07:24		365	6:51		374
ma	17-12				13:18	108		13:23	120		13:07	12		13:51	107		13:46	118		14:18	108		13:17	96
ma	17-12			19:22		347	19:48		418	19:32		354	20:23		410	19:35		347	20:07		337	19:34		347
di	18-12				01:37	123		01:45	140		1:29	30		02:14	125		2:05	133		02:37	123		1:48	112
di	18-12	7:30	NM	07:44		372	08:13		446	7:57		380	08:44		436	7:57		372	08:29		362	7:58		371
di	18-12				14:22	99		14:32	112		14:16	7		15:00	102		14:50	109		15:22	99		14:26	85
di	18-12			20:31		353	20:57		426	20:41		362	21:29		418	20:44		353	21:16		343	20:36		352

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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	19-12				02:46	110		03:00	127		2:44	19		03:30	114		3:14	120		03:46	110		2:55	94
wo	19-12			08:54		373	09:21		449	9:05		381	09:50		437	9:07		373	09:39		363	9:00		373
wo	19-12				15:30	87		15:41	96		15:25	-8		16:11	87		15:58	97		16:30	87		15:27	71
wo	19-12			21:38		363	22:01		440	21:45		373	22:32		429	21:51		363	22:23		353	21:35		361
do	20-12				04:01	92		04:10	106		3:54	-2		04:42	93		4:29	102		05:01	92		3:55	76
do	20-12			09:59		377	10:23		456	10:07		386	10:52		442	10:12		377	10:44		367	9:58		376
do	20-12				16:34	73		16:42	78		16:26	-25		17:13	70		17:02	83		17:34	73		16:22	59
do	20-12			22:34		373	22:59		453	22:43		386	23:28		442	22:47		373	23:19		363	22:29		370
vr	21-12				05:04	73		05:10	85		4:54	-22		05:42	73		5:32	83		06:04	73		4:50	61
vr	21-12			10:55		381	11:21		463	11:05		392	11:49		448	11:08		381	11:40		371	10:52		380
vr	21-12				17:30	63		17:36	65		17:20	-38		18:09	57		17:58	73		18:30	63		17:12	50
vr	21-12			23:23		380	23:50		463	23:34		-56	00:20		0	23:36		10	00:08		0	23:17		378
za	22-12				05:59	59		06:03	68		5:47	395	00:20		451	23:36		380	00:08		370		5:41	50
za	22-12			11:45		382	12:15		467	11:59		-39		06:37	56		6:27	69		06:59	59	11:42		383
za	22-12				18:21	56		18:27	57		18:11	396	12:43		452	11:58		382	12:30		372		17:57	44
za	22-12			00:06		0	00:38		0	0:22		-47		19:01	48		18:49	66		19:21	56	0:03		-18
zo	23-12			00:06		385	00:38		469	0:22		400	01:08		456	0:19		385	00:51		375	0:03		384
zo	23-12				06:50	50		06:53	55		6:37	-51		07:29	44		7:18	60		07:50	50		6:25	40
zo	23-12			12:31		382	13:06		467	12:50		397	13:35		453	12:44		382	13:16		372	12:32		383
zo	23-12				19:10	54		19:16	53		19:00	-51		19:50	44		19:38	64		20:10	54		18:41	39
ma	24-12			00:47		388	01:25		473	1:09		403	01:53		459	1:00		388	01:32		378	0:50		387
ma	24-12				07:39	43		07:42	44		7:26	-62		08:19	33		8:07	53		08:39	43		7:11	31
ma	24-12			13:17		379	13:57		464	13:41		394	14:25		450	13:30		379	14:02		369	7:12		31
ma	24-12				19:56	53		20:03	51		19:47	-52		20:39	43		20:24	63		20:56	53		7:58	31
di	25-12			01:32		390	02:10		474	1:54		404	02:38		460	1:45		390	02:17		380	1:40		388
di	25-12				08:28	39		08:30	36		8:14	-69		09:08	26		8:56	49		09:28	39		8:46	22
di	25-12			14:07		374	14:46		457	14:30		388	15:15		444	14:20		374	14:52		364	14:19		376
di	25-12				20:42	54		20:49	53		20:33	-51		21:26	44		21:10	64		21:42	54		20:28	35
wo	26-12			02:20		391	02:55		475	2:39		405	03:22		461	2:33		391	03:05		381	2:30		389
wo	26-12				09:15	37		09:17	33		9:01	-71		09:56	24		9:43	47		10:15	37		9:22	17
wo	26-12			14:58		368	15:34		449	15:18		381	16:03		437	15:11		368	15:43		358	15:12		370
wo	26-12				21:26	57		21:34	56		21:18	-47		22:12	48		21:54	67		22:26	57		21:19	35
do	27-12			03:10		391	03:41		475	3:25		-68	04:08		462	3:23		391	03:55		381	3:19		389
do	27-12	10:20 EK			10:02	39		10:03	36		9:47	373	10:42		27		10:30	49		11:02	39		9:41	15
do	27-12			15:51		361	16:22		440	16:06		-40	16:53		429	16:04		361	16:36		351	16:01		362
do	27-12				22:10	61		22:19	63		22:03	404	22:56		55		22:38	71		23:10	61		21:59	38

getijden 2018				Großer Vogelsand, Leuchtturm			Wilhelmshaven Alter Vorhafen			Vareler Schleuse			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			
vr	28-12			04:01		388	04:29		473	4:13		404	04:58		460	4:14		388	04:46		378	4:04		387
vr	28-12				10:52	45		10:50	44		10:34	-59		11:28	36		11:20	55		11:52	45		10:24	19
vr	28-12			16:44		352	17:12		431	16:56		366	17:45		422	16:57		352	17:29		342	16:48		353
vr	28-12				22:58	67		23:06	73		22:50	-30		23:42	65		23:26	77		23:58	67		22:44	44
za	29-12			04:53		382	05:21		467	5:05		399	05:52		455	5:06		382	05:38		372	4:50		382
za	29-12				11:46	53		11:40	57		11:24	-46		12:17	49		12:14	63		12:46	53		11:13	28
za	29-12			17:41		342	18:07		422	17:51		359	18:41		415	17:54		342	18:26		332	17:37		343
za	29-12				23:55	75		23:58	84		23:42	-95		00:34	0		0:23	10		00:55	0		23:37	53
zo	30-12			05:52		372	06:21		457	6:05		-20		00:34	75		0:23	85		00:55	75		5:42	373
zo	30-12				12:47	60		12:37	70		12:21	390	06:53		446	6:05		372	06:37		362		12:10	39
zo	30-12			18:44		336	19:09		415	18:53		-35		13:12	60		13:15	70		13:47	60		18:39	335
zo	30-12				01:03	0		00:59	0		0:43	353	19:42		409	18:57		336	19:29		326		0:39	-18
ma	31-12				01:03	80		00:59	96		0:43	-11		01:35	84		1:31	90		02:03	80		0:39	61
ma	31-12			07:00		363	07:28		446	7:12		381	07:59		437	7:13		363	07:45		353	6:50		362
ma	31-12				13:49	62		13:40	79		13:24	-28		14:14	67		14:17	72		14:49	62		13:13	49
ma	31-12			19:49		334	20:16		413	20:00		350	20:47		406	20:02		334	20:34		324	19:51		332