

getijden 2018				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"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			04:51		58	04:51		47	4:58		37	05:12		67	05:08		60	05:17		67	5:24		17
ma	1-1			10:54		366	10:41		348	10:54		338	11:05		368	10:44		310	11:19		388	11:26		408
ma	1-1			17:19		49	17:20		34	17:27		24	17:41		54	17:35		54	17:46		54	17:53		4
ma	1-1			23:20		362	23:08		346	23:21		336	23:32		366	23:09		305	23:46		386	23:53		406
di	2-1			05:51		41	05:50		27	5:57		17	06:11		47	06:06		44	06:16		47	23:53		406
di	2-1			11:50		368	11:41		352	11:54		342	12:05		372	11:39		312	12:19		392	6:23		-3
di	2-1			18:15		41	18:17		25	18:24		15	18:38		45	18:30		46	18:43		45	12:26		412
di	2-1			00:10		368	00:02		355	0:15		345	00:26		375	00:00		313	00:40		395	18:50		-5
wo	3-1			00:10		368	00:02		355	0:15		345	00:26		375	00:00		313	00:40		395	0:47		415
wo	3-1			06:48		26	06:47		11	6:54		1	07:08		31	07:01		30	07:13		31	7:20		-19
wo	3-1			12:43		368	12:39		354	12:52		344	13:03		374	12:34		313	13:17		394	13:24		414
wo	3-1			19:09		35	19:12		20	19:19		10	19:33		40	19:22		39	19:38		40	19:45		-10
do	4-1			00:58		374	00:55		361	1:08		351	01:19		381	00:52		319	01:33		401	1:40		421
do	4-1			07:42		16	07:41		0	7:48		-10	08:02		20	07:55		20	08:07		20	8:14		-30
do	4-1			13:34		365	13:34		352	13:47		342	13:58		372	13:28		311	14:12		392	14:19		412
do	4-1			20:00		33	20:03		19	20:10		9	20:24		39	20:13		36	20:29		39	20:36		-11
vr	5-1			01:46		376	01:46		364	1:59		354	02:10		384	01:44		321	02:24		404	2:31		424
vr	5-1			08:33		14	08:31		0	8:38		-10	08:52		19	08:47		17	08:57		19	9:04		-31
vr	5-1			14:23		359	14:26		346	14:39		336	14:50		366	14:20		305	15:04		386	15:11		406
vr	5-1	20:47	EK	20:48		37	20:50		25	20:57		15	21:11		45	21:01		39	21:16		45	21:23		-5
za	6-1			02:34		376	02:35		363	2:48		353	02:59		383	02:35		320	03:13		403	3:20		423
za	6-1			09:21		22	09:18		8	9:25		-2	09:39		28	09:36		24	09:44		28	9:51		-22
za	6-1			15:12		351	15:13		335	15:26		325	15:37		355	15:10		296	15:51		375	15:58		395
za	6-1			21:34		47	21:34		36	21:41		26	21:55		56	21:47		48	22:00		56	22:07		6
zo	7-1			03:21		372	03:19		358	3:32		348	03:43		378	03:22		316	03:57		398	4:04		418
zo	7-1			10:07		35	10:01		24	10:08		14	10:22		44	10:22		37	10:27		44	10:34		-6
zo	7-1			15:59		342	15:56		323	16:09		313	16:20		343	15:56		287	16:34		363	16:41		383
zo	7-1			22:18		59	22:15		49	22:22		39	22:36		69	22:31		59	22:41		69	22:48		19
ma	8-1			04:09		367	04:03		351	4:16		341	04:27		371	04:07		311	04:41		391	4:48		411
ma	8-1			10:52		49	10:43		39	10:50		29	11:04		59	11:06		51	11:09		59	11:16		9
ma	8-1			16:46		336	16:39		314	16:52		304	17:03		334	16:42		280	17:17		354	17:24		374
ma	8-1			23:04		68	22:57		61	23:04		51	23:18		81	23:16		69	23:23		81	23:30		31
di	9-1			04:59		361	04:51		344	5:04		334	05:15		364	04:54		305	05:29		384	5:36		404
di	9-1			11:39		59	11:28		51	11:35		41	11:49		71	11:53		61	11:54		71	12:01		21
di	9-1			17:35		332	17:27		308	17:40		298	17:51		328	17:31		275	18:05		348	18:12		368
di	9-1			23:55		73	23:46		69	23:53		59	00:07		89	00:07		74	00:12		89	0:19		39

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E											
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm				
wo	10-1			05:54		355	05:45		334	5:58		324	00:07		89	00:07		74	00:12		89	0:19		39	
wo	10-1				12:29	63		12:21	60		12:28	50	06:09		354	05:49		297	06:23		374	6:30		394	
wo	10-1			18:28		331	18:23		304	18:36		294		12:42	80		12:45	66		12:47		80		12:54	30
wo	10-1				00:52	73		00:45	76		0:52	66	18:47		324	18:29		274	19:01		344	19:08		364	
do	11-1				00:52	73		00:45	76		0:52	66		01:06	96		01:07	76		01:11		96		1:18	46
do	11-1			06:51		347	06:47		324	7:00		314	07:11		344	06:55		290	07:25		364	7:32		384	
do	11-1				13:23	64		13:22	65		13:29	55		13:43	85		13:44	68		13:48		85		13:55	35
do	11-1			19:26		330	19:26		303	19:39		293	19:50		323	19:34		274	20:04		343	20:11		363	
vr	12-1				01:52	71		01:53	76		2:00	66		02:14	96		02:14	73		02:19		96		2:26	46
vr	12-1			07:55		340	07:56		315	8:09		305	08:20		335	08:05		283	08:34		355	8:41		375	
vr	12-1	12:34 VM			14:21	64		14:29	66		14:36	56		14:50	86		14:50	68		14:55		86		15:02	36
vr	12-1			20:33		331	20:34		307	20:47		297	20:58		327	20:42		277	21:12		347	21:19		367	
za	13-1				02:59	68		03:05	69		3:12	59		03:26	89		03:27	68		03:31		89		3:38	39
za	13-1			09:09		334	09:08		311	9:21		301	09:32		331	09:16		279	09:46		351	9:53		371	
za	13-1				15:30	64		15:36	62		15:43	52		15:57	82		16:01	66		16:02		82		16:09	32
za	13-1			21:44		337	21:39		316	21:52		306	22:03		336	21:47		283	22:17		356	22:24		376	
zo	14-1				04:21	61		04:12	57		4:19	47		04:33	77		04:37	61		04:38		77		4:45	27
zo	14-1			10:17		334	10:11		313	10:24		303	10:35		333	10:18		279	10:49		353	10:56		373	
zo	14-1				16:41	63		16:37	58		16:44	48		16:58	78		16:59	65		17:03		78		17:10	28
zo	14-1			22:38		345	22:32		326	22:45		316	22:56		346	22:39		290	23:10		366	23:17		386	
ma	15-1				05:15	56		05:08	48		5:15	38		05:29	68		05:28	58		05:34		68		5:41	18
ma	15-1			11:08		336	11:01		316	11:14		306	11:25		336	11:06		281	11:39		356	11:46		376	
ma	15-1				17:28	63		17:27	56		17:34	46		17:48	76		17:43	67		17:53		76		18:00	26
ma	15-1			23:19		353	23:12		337	23:25		327	23:36		357	23:19		298	23:50		377	23:57		397	
di	16-1				05:56	57		05:53	46		6:00	36		06:14	66		06:08	61		06:19		66		23:57	397
di	16-1			11:47		341	11:39		322	11:52		312	12:03		342	11:42		286	12:17		362		6:26		16
di	16-1				18:06	64		18:09	55		18:16	45		18:30	75		18:18	69		18:35		75	12:24		382
di	16-1			23:53		364	23:48		350	0:01		340	00:12		370	23:53		310	00:26		390		18:42		25
wo	17-1				06:31	59		06:32	45		6:39	35	00:12		370		06:42	63	00:26		390	0:33		410	
wo	17-1			12:20		349	12:11		332	12:24		322		06:53	65	12:15		296		06:58		65		7:05	15
wo	17-1				18:41	63		18:46	53		18:53	43	12:35		352		18:51	69	12:49		372	12:56		392	
wo	17-1			00:28		377	00:23		364	0:36		354		19:07	73	00:28		322		19:12		73		19:19	23
do	18-1			00:28		377	00:23		364	0:36		354	00:47		384	00:28		322	01:01		404	1:08		424	
do	18-1				07:05	59		07:09	43		7:16	33		07:30	63		07:16	62		07:35		63		7:42	13
do	18-1			12:55		358	12:46		342	12:59		332	13:10		362	12:51		305	13:24		382	13:31		402	
do	18-1				19:15	62		19:21	50		19:28	40		19:42	70		19:25	68		19:47		70		19:54	20

getijden 2018				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
		maan		53°46'35"N 7°52'05"E			53°48'23"N 7°55'45"E			53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"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	19-1			01:05		386	00:59		373	1:12		363	01:23		393	01:05		331	01:37		413	1:44		433
vr	19-1				07:39	58		07:45	42		7:52	32		08:06	62		07:52	61		08:11	62		8:18	12
vr	19-1			13:31		363	13:22		346	13:35		336	13:46		366	13:30		309	14:00		386	14:07		406
vr	19-1	23:13	LK		19:50	64		19:56	52		20:03	42		20:17	72		20:00	70		20:22	72		20:29	22
za	20-1			01:42		388	01:34		374	1:47		364	01:58		394	01:44		332	02:12		414	2:19		434
za	20-1				08:14	58		08:21	44		8:28	34		08:42	64		08:27	62		08:47	64		8:54	14
za	20-1			14:07		360	13:56		341	14:09		331	14:20		361	14:09		305	14:34		381	14:41		401
za	20-1				20:22	68		20:30	58		20:37	48		20:51	78		20:34	73		20:56	78		21:03	28
zo	21-1			02:15		384	02:07		368	2:20		358	02:31		388	02:20		327	02:45		408	2:52		428
zo	21-1				08:47	61		08:54	48		9:01	38		09:15	68		09:01	65		09:20	68		9:27	18
zo	21-1			14:40		352	14:28		331	14:41		321	14:52		351	14:44		296	15:06		371	15:13		391
zo	21-1				20:53	71		21:00	64		21:07	54		21:21	84		21:05	76		21:26	84		21:33	34
ma	22-1			02:45		378	02:37		361	2:50		351	03:01		381	02:51		320	03:15		401	3:22		421
ma	22-1				09:19	62		09:25	52		9:32	42		09:46	72		09:32	67		09:51	72		9:58	22
ma	22-1			15:10		344	14:57		322	15:10		312	15:21		342	15:14		288	15:35		362	15:42		382
ma	22-1				21:23	71		21:30	64		21:37	54		21:51	84		21:37	75		21:56	84		22:03	34
di	23-1			03:17		375	03:09		357	3:22		347	03:33		377	03:20		315	03:47		397	3:54		417
di	23-1				09:51	61		09:56	51		10:03	41		10:17	71		10:05	65		10:22	71		10:29	21
di	23-1			15:45		341	15:30		318	15:43		308	15:54		338	15:45		284	16:08		358	16:15		378
di	23-1				21:58	68		22:04	59		22:11	49		22:25	79		22:14	70		22:30	79			29
wo	24-1			03:57		373	03:47		354	4:00		344	04:11		374	03:55		313	04:25		394	4:32		414
wo	24-1				10:29	60		10:32	49		10:39	39		10:53	69		10:44	63		10:58	69		11:05	19
wo	24-1			16:27		340	16:09		316	16:22		306	16:33		336	16:23		284	16:47		356	16:54		376
wo	24-1				22:42	67		22:44	56		22:51	46		23:05	76		22:58	68		23:10	76		23:17	26
do	25-1			04:44		370	04:32		348	4:45		338	04:56		368	04:41		311	05:10		388	5:17		408
do	25-1				11:15	63		11:17	52		11:24	42		11:38	72		11:32	64		11:43	72		11:50	22
do	25-1			17:15		338	16:56		310	17:09		300	17:20		330	17:12		282	17:34		350	17:41		370
do	25-1				23:33	70		23:34	62		23:41	52		23:55	82		23:52	71		00:00	82		0:07	32
vr	26-1			05:36		362	05:26		337	5:39		327	05:50		357	05:36		306	00:00		82		0:07	32
vr	26-1				12:10	69		12:12	63		12:19	53		12:33	83		12:29	70		06:04	377		6:11	397
vr	26-1			18:11		333	17:55		301	18:08		291	18:19		321	18:10		278		12:38	83		12:45	33
vr	26-1				00:33	76		00:36	74		0:43	64		00:57	94		00:54	77		18:33	341		18:40	361
za	27-1				00:33	76		00:36	74		0:43	64		00:57	94		00:54	77		01:02	94		1:09	44
za	27-1			06:36		352	06:33		323	6:46		313	06:57		343	06:41		297	07:11		363	7:18		383
za	27-1				13:15	75		13:23	73		13:30	63		13:44	93		13:38	76		13:49	93		13:56	43
za	27-1			19:19		328	19:12		295	19:25		285	19:36		315	19:20		274	19:50		335	19:57		355

getijden 2018				Wangerooge, West 53°46'35"N 7°52'05"E			Wangerooge, Langes Riff 53°48'23"N 7°55'45"E			Wangerooge, Ost 53°46'02"N 7°59'06"E			Minsener Oog, Buhne C 53°45'0.0"N, 8°1'59.9"E			Helgoland 54°10'44"N 7°53'24"E			Schillig 53°41'55"N 8°03'05"E			Hooksiel 53°38'31"N 8°04'55"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	28-1				01:45	79		01:55	79		2:02	69		02:16	99		02:13	79		02:21	99		2:28	49
zo	28-1	1:07	NM	07:53		342	07:53		316	8:06		306	08:17		336	07:57		290	08:31		356	8:38		376
zo	28-1				14:37	74		14:43	70		14:50	60		15:04	90		15:00	75		15:09	90		15:16	40
zo	28-1			20:46		330	20:36		301	20:49		291	21:00		321	20:39		275	21:14		341	21:21		361
ma	29-1				03:16	69		03:18	67		3:25	57		03:39	87		03:37	69		03:44	87		3:51	37
ma	29-1			09:27		343	09:14		320	9:27		310	09:38		340	09:20		289	09:52		360	9:59		380
ma	29-1				15:54	62		15:57	55		16:04	45		16:18	75		16:14	65		16:23	75		16:30	25
ma	29-1			22:03		340	21:50		316	22:03		306	22:14		336	21:52		283	22:28		356	22:35		376
di	30-1				04:30	50		04:32	43		4:39	33		04:53	63		04:49	51		04:58	63		5:05	13
di	30-1			10:40		350	10:27		331	10:40		321	10:51		351	10:32		294	11:05		371	11:12		391
di	30-1				17:01	48		17:05	38		17:12	28		17:26	58		17:20	52		17:31	58		17:38	8
di	30-1			23:03		352	22:54		334	23:07		324	23:18		354	22:56		294	23:32		374	23:39		394
wo	31-1				05:40	31		05:40	19		5:47	9		06:01	39		05:55	33		06:06	39	23:39		394
wo	31-1			11:40		358	11:33		343	11:46		333	11:57		363	11:34		300	12:11		383		6:13	-11
wo	31-1				18:06	35		18:09	21		18:16	11		18:30	41		18:20	39		18:35	41	12:18		403
wo	31-1			23:57		363	23:53		349	0:06		339	00:17		369	23:53		304	00:31		389		18:42	-9

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel						
		maan		53°46'35"N 7°52'05"E			53°48'23"N 7°55'45"E			53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"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	1-2				06:42	14		06:42	1		6:49	-9		00:17		369		06:54	18		00:31		389		0:38		409	
do	1-2			12:33		362	12:33		350	12:46		340		07:03	21	12:28		304		07:08	21				7:15		-29	
do	1-2				19:02	24		19:07	10		19:14	0		12:57		370		19:14	29		13:11		390		13:18		410	
do	1-2			00:47		371	00:48		359	1:01		349		19:28	30	00:46		312		19:33	30				19:40		-20	
vr	2-2			00:47		371	00:48		359	1:01		349		01:12	379	00:46		312		01:26	399			1:33		419		
vr	2-2				07:34	5		07:36	0		7:43	-10		07:57	12		07:46	10		08:02	12				8:09		-38	
vr	2-2			13:23		362	13:27		352	13:40		342		13:51	372	13:19		305		14:05	392			14:12		412		
vr	2-2				19:51	21		19:57	7		20:04	-3		20:18	27		20:03	24		20:23	27				20:30		-23	
za	3-2			01:34		375	01:38		364	1:51		354		02:02	384	01:36		316		02:16	404			2:23		424		
za	3-2				08:21	6		08:24	0		8:31	-10		08:45	14		08:35	12		08:50	14				8:57		-36	
za	3-2			14:09		359	14:15		346	14:28		336		14:39	366	14:06		301		14:53	386			15:00		406		
za	3-2				20:36	24		20:41	12		20:48	2		21:02	32		20:48	27		21:07	32				21:14		-18	
zo	4-2			02:19		376	02:24		362	2:37		352		02:48	382	02:22		316		03:02	402			3:09		422		
zo	4-2	5:19	EK		09:04	16		09:06	5		9:13	-5		09:27	25		09:18	21		09:32	25				9:39		-25	
zo	4-2			14:52		353	14:57		336	15:10		326		15:21	356	14:50		295		15:35	376			15:42		396		
zo	4-2				21:16	33		21:19	21		21:26	11		21:40	41		21:29	35		21:45	41				23:53		-9	
ma	5-2			03:02		372	03:03		355	3:16		345		03:27	375	03:03		312		03:41	395			3:48		23:53		415
ma	5-2				09:43	31		09:42	19		9:49	9		10:03	39		09:57	35		10:08	39				10:15		-11	
ma	5-2			15:32		346	15:32		325	15:45		315		15:56	345	15:29		288		16:10	365			16:17		385		
ma	5-2				21:53	42		21:54	31		22:01	21		22:15	51		22:06	44		22:20	51				22:27		1	
di	6-2			03:43		365	03:39		347	3:52		337		04:03	367	03:40		306		04:17	387			4:24		407		
di	6-2				10:18	43		10:17	30		10:24	20		10:38	50		10:33	46		10:43	50				10:50		0	
di	6-2			16:11		339	16:05		318	16:18		308		16:29	338	16:06		282		16:43	358			16:50		378		
di	6-2				22:27	50		22:29	38		22:36	28		22:50	58		22:42	51		22:55	58				23:02		8	
wo	7-2			04:25		356	04:17		337	4:30		327		04:41	357	04:17		298		04:55	377			5:02		397		
wo	7-2				10:54	51		10:53	40		11:00	30		11:14	60		11:08	55		11:19	60				11:26		10	
wo	7-2			16:53		334	16:43		312	16:56		302		17:07	332	16:44		278		17:21	352			17:28		372		
wo	7-2				23:06	55		23:09	45		23:16	35		23:30	65		23:22	56		23:35	65				23:42		15	
do	8-2			05:12		345	05:02		324	5:15		314		05:26	344	05:03		288		05:40	364			5:47		384		
do	8-2				11:38	59		11:35	51		11:42	41		11:56	71		11:52	62		12:01	71				12:08		21	
do	8-2			17:39		328	17:30		305	17:43		295		17:54	325	17:35		272		18:08	345			18:15		365		
do	8-2				23:58	62		23:57	57		0:04	47		00:18	77		00:14	63		00:23	77				0:30		27	
vr	9-2			06:05		332	05:57		308	6:10		298		00:18	77		00:14	63		00:23	77				0:30		27	
vr	9-2				12:32	68		12:28	68		12:35	58		06:21	328	06:03		275		06:35	348			6:42		368		
vr	9-2			18:33		322	18:28		296	18:41		286		12:49	88		12:47	71		12:54	88				13:01		38	
vr	9-2				01:00	70		00:59	71		1:06	61		18:52	316	18:38		267		19:06	336			19:13		356		

getijden 2018				Wangerooge, West 53°46'35"N 7°52'05"E			Wangerooge, Langes Riff 53°48'23"N 7°55'45"E			Wangerooge, Ost 53°46'02"N 7°59'06"E			Minsener Oog, Buhne C 53°45'0.0"N, 8°1'59.9"E			Helgoland 54°10'44"N 7°53'24"E			Schillig 53°41'55"N 8°03'05"E			Hooksiel 53°38'31"N 8°04'55"E			
maan	dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
	za	10-2				01:00	70		00:59	71		1:06	61		01:20	91		01:19	71		01:25	91		1:32	41
	za	10-2			07:06		321	07:03		293	7:16		283	07:27		313	07:14		264	07:41		333	7:48		353
	za	10-2				13:33	77		13:36	85		13:43	75		13:57	105		13:55	80		14:02	105		14:09	55
	za	10-2			19:34		320	19:37		292	19:50		282	20:01		312	19:49		265	20:15		332	20:22		352
	zo	11-2	1:33	VM		02:08	75		02:15	79		2:22	69		02:36	99		02:36	75		02:41	99		2:48	49
	zo	11-2			08:16		315	08:19		289	8:32		279	08:43		309	08:30		261	08:57		329	9:04		349
	zo	11-2				14:41	82		14:52	89		14:59	79		15:13	109		15:13	83		15:18	109		15:25	59
	zo	11-2			20:49		325	20:52		300	21:05		290	21:16		320	21:01		272	21:30		340	21:37		360
	ma	12-2				03:33	75		03:33	73		3:40	63		03:54	93		03:57	73		03:59	93		4:06	43
	ma	12-2			09:44		320	09:35		298	9:48		288	09:59		318	09:44		266	10:13		338	10:20		358
	ma	12-2				16:04	80		16:04	80		16:11	70		16:25	100		16:25	80		16:30	100		16:37	50
	ma	12-2			22:02		339	21:58		319	22:11		309	22:22		339	22:06		285	22:36		359	22:43		379
	di	13-2				04:45	68		04:38	60		4:45	50		04:59	80		04:59	68		05:04	80		5:11	30
	di	13-2			10:43		331	10:33		313	10:46		303	10:57		333	10:42		275	11:11		353	11:18		373
	di	13-2				17:01	73		17:01	66		17:08	56		17:22	86		17:17	76		17:27	86		17:34	36
	di	13-2			22:51		354	22:48		340	23:01		330	23:12		360	22:56		298	23:26		380	23:33		400
	wo	14-2				05:30	63		05:30	49		5:37	39		05:51	69		05:44	65		05:56	69		6:03	19
	wo	14-2			11:24		341	11:17		326	11:30		316	11:41		346	11:23		285	11:55		366	12:02		386
	wo	14-2				17:43	66		17:48	55		17:55	45		18:09	75		17:57	72		18:14	75		18:21	25
	wo	14-2			23:31		367	23:30		355	23:43		345	23:54		375	23:35		311	00:08		395	0:15		415
	do	15-2				06:08	58		06:13	42		6:20	32		06:34	62		06:22	61		06:39	62		6:46	12
	do	15-2			11:59		350	11:54		336	12:07		326	12:18		356	11:59		294		06:39	62		6:46	12
	do	15-2				18:21	59		18:28	47		18:35	37		18:49	67		18:33	66		18:54	67		19:01	17
	do	15-2			00:08		376	00:07		366	0:20		356	00:31		386	00:12		319		18:54	67		19:01	17
	vr	16-2			00:08		376	00:07		366	0:20		356	00:31		386	00:12		319	00:45		406	0:52		426
	vr	16-2				06:45	52		06:52	37		6:59	27		07:13	57		06:58	55		07:18	57		7:25	7
	vr	16-2			12:35		356	12:30		342	12:43		332	12:54		362	12:35		300	13:08		382	13:15		402
	vr	16-2				18:57	52		19:05	40		19:12	30		19:26	60		19:08	59		19:31	60		19:38	10
	za	17-2			00:46		380	00:44		370	0:57		360	01:08		390	00:49		324	01:22		410	1:29		430
	za	17-2				07:20	45		07:29	30		7:36	20		07:50	50		07:34	49		07:55	50		8:02	0
	za	17-2			13:12		357	13:06		343	13:19		333	13:30		363	13:12		302	13:44		383	13:51		403
	za	17-2				19:32	46		19:40	35		19:47	25		20:01	55		19:43	53		20:06	55		20:13	5
	zo	18-2			01:23		380	01:18		369	1:31		359	01:42		389	01:26		323	01:56		409	2:03		429
	zo	18-2				07:56	39		08:03	26		8:10	16		08:24	46		08:09	44		08:29	46		8:36	-4
	zo	18-2			13:48		355	13:40		340	13:53		330	14:04		360	13:48		299	14:18		380	14:25		400
	zo	18-2	20:33	LK		20:05	44		20:14	32		20:21	22		20:35	52		20:17	49		20:40	52		20:47	2

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
ma	19-2			01:56		376	01:50		365	2:03		355	02:14		385	02:01		318	02:28		405	2:35		425
ma	19-2				08:28	37		08:36	24		8:43	14		08:57	44		08:41	42		09:02	44		9:09	-6
ma	19-2			14:20		349	14:11		334	14:24		324	14:35		354	14:22		293	14:49		374	14:56		394
ma	19-2				20:36	42		20:45	31		20:52	21		21:06	51		20:49	46		21:11	51		21:18	1
di	20-2			02:26		373	02:20		362	2:33		352	02:44		382	02:33		314	02:58		402	3:05		422
di	20-2				08:59	38		09:07	25		9:14	15		09:28	45		09:13	42		09:33	45		9:40	-5
di	20-2			14:50		346	14:39		330	14:52		320	15:03		350	14:53		288	15:17		370	15:24		390
di	20-2				21:06	41		21:16	30		21:23	20		21:37	50		21:21	43		21:42	50		21:49	0
wo	21-2			02:59		371	02:52		360	3:05		350	03:16		380	03:05		311	03:30		400	3:37		420
wo	21-2				09:30	39		09:38	27		9:45	17		09:59	47		09:44	42		10:04	47		10:11	-3
wo	21-2			15:22		345	15:11		328	15:24		318	15:35		348	15:25		287	15:49		368	15:56		388
wo	21-2				21:40	40		21:48	28		21:55	18		22:09	48		21:56	41		22:14	48		22:21	-2
do	22-2			03:37		369	03:29		356	3:42		346	03:53		376	03:39		310	04:07		396	4:14		416
do	22-2				10:05	44		10:12	32		10:19	22		10:33	52		10:20	45		10:38	52		10:45	2
do	22-2			16:02		343	15:47		325	16:00		315	16:11		345	16:00		286	16:25		365	16:32		385
do	22-2				22:19	44		22:24	30		22:31	20		22:45	50		22:36	44		22:50	50		22:57	0
vr	23-2			04:21		363	04:11		347	4:24		337	04:35		367	04:20		306	04:49		387	4:56		407
vr	23-2				10:46	53		10:52	41		10:59	31		11:13	61		11:04	52		11:18	61		11:25	11
vr	23-2			16:47		338	16:29		317	16:42		307	16:53		337	16:44		283	17:07		357	17:14		377
vr	23-2				23:06	53		23:09	41		23:16	31		23:30	61		23:25	52		23:35	61		23:42	11
za	24-2			05:11		351	05:02		330	5:15		320	05:26		350	05:12		296	05:40		370	5:47		390
za	24-2				11:37	66		11:41	59		11:48	49		12:02	79		11:57	65		12:07	79		12:14	29
za	24-2			17:39		329	17:23		303	17:36		293	17:47		323	17:39		275	18:01		343	18:08		363
za	24-2				00:03	64		00:07	59		0:14	49		00:28	79		00:25	64		00:33	79		0:40	29
zo	25-2				00:03	64		00:07	59		0:14	49		00:28	79		00:25	64		00:33	79		0:40	29
zo	25-2			06:11		335	06:09		311	6:22		301	06:33		331	06:16		282	06:47		351	6:54		371
zo	25-2				12:42	78		12:49	78		12:56	68		13:10	98		13:05	77		13:15	98		13:22	48
zo	25-2			18:48		319	18:40		290	18:53		280	19:04		310	18:49		266	19:18		330	19:25		350
ma	26-2				01:18	71		01:27	72		1:34	62		01:48	92		01:48	70		01:53	92		2:00	42
ma	26-2			07:39		323	07:36		301	7:49		291	08:00		321	07:41		272	08:14		341	8:21		361
ma	26-2	15:58 NM			14:18	78		14:18	82		14:25	72		14:39	102		14:39	79		14:44	102		14:51	52
ma	26-2			20:24		319	20:15		293	20:28		283	20:39		313	20:18		266	20:53		333	21:00		353
di	27-2				03:02	61		03:00	62		3:07	52		03:21	82		03:23	59		03:26	82		3:33	32
di	27-2			09:17		328	09:04		310	9:17		300	09:28		330	09:13		275	09:42		350	9:49		370
di	27-2				15:40	63		15:42	63		15:49	53		16:03	83		16:00	66		16:08	83		16:15	33
di	27-2			21:46		333	21:35		313	21:48		303	21:59		333	21:42		277	22:13		353	22:20		373

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
		maan		53°46'35"N 7°52'05"E			53°48'23"N 7°55'45"E			53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"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				04:20	41		04:21	36		4:28	26		04:42	56		04:39	41		04:47	56		4:54	6
wo	28-2			10:30		342	10:19		328	10:32		318	10:43		348	10:27		286	10:57		368	11:04		388
wo	28-2				16:51	46		16:56	37		17:03	27		17:17	57		17:10	48		17:22	57		17:29	7
wo	28-2			22:49		351	22:43		336	22:56		326	23:07		356	22:49		292	23:21		376	23:28		396

getijden 2018				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
		maan		53°46'35"N 7°52'05"E			53°48'23"N 7°55'45"E			53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"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				05:33	21		05:32	10		5:39	0		05:53	30		05:47	23		5:58	30		6:05	-20
do	1-3			11:28		355	11:24		346	11:37		336	11:48		366	11:26		297	12:02		386	12:09		406
do	1-3				17:56	29		18:01	15		18:08	5		18:22	35		18:09	32		18:27	35		18:34	-15
do	1-3			23:43		365	23:42		355	23:55		345	00:06		0	23:45		306	00:20		0	0:27		-50
vr	2-3				06:30	7		06:32	0		6:39	-10		00:06	375		06:43	12		00:20	395		0:27	415
vr	2-3			12:19		363	12:21		355	12:34		345		06:53	13	12:17		304		06:58	13		7:05	-37
vr	2-3				18:49	18		18:55	3		19:02	-7	12:45		375		19:01	22	12:59		395	13:06		415
vr	2-3			00:32		0	00:35		0	0:48		-10		19:16	23	00:35		0		19:21	23		19:28	-27
za	3-3			00:32		373	00:35		365	0:48		355	00:59		385	00:35		314	01:13		405	1:20		425
za	3-3				07:19	2		07:23	-10		7:30	-20		07:44	10		07:31	9		07:49	10		7:56	-40
za	3-3			13:06		364	13:11		354	13:24		344	13:35		374	13:03		305	13:49		394	13:56		414
za	3-3				19:35	15		19:42	2		19:49	-3		20:03	22		19:46	19		20:08	22		20:15	-28
zo	4-3			01:16		376	01:22		366	1:35		356	01:46		386	01:20		316	02:00		406	2:07		426
zo	4-3				08:02	8		08:06	0		8:13	-10		08:27	17		08:14	14		08:32	17		8:39	-33
zo	4-3			13:48		360	13:54		347	14:07		337	14:18		367	13:45		302	14:32		387	14:39		407
zo	4-3				20:16	19		20:21	8		20:28	-2		20:42	28		20:27	22		20:47	28		20:54	-22
ma	5-3			01:57		374	02:02		360	2:15		350	02:26		380	02:00		313	02:40		400	2:47		420
ma	5-3				08:39	18		08:43	8		8:50	-2		09:04	28		08:52	24		09:09	28		9:16	-22
ma	5-3	12:32	EK	14:26		355	14:29		338	14:42		328	14:53		358	14:23		297	15:07		378	15:14		398
ma	5-3				20:52	25		20:55	14		21:02	4		21:16	34		21:03	28		21:21	34		21:28	-16
di	6-3			02:35		368	02:36		351	2:49		341	03:00		371	02:36		308	03:14		391	3:21		411
di	6-3				09:12	29		09:15	18		9:22	8		09:36	38		09:25	33		09:41	38		9:48	-12
di	6-3			15:00		351	14:57		332	15:10		322	15:21		352	14:56		293	15:35		372	15:42		392
di	6-3				21:22	31		21:26	18		21:33	8		21:47	38		21:36	33		21:52	38		21:59	-12
wo	7-3			03:12		360	03:07		343	3:20		333	03:31		363	03:08		301	03:45		383	3:52		403
wo	7-3				09:39	36		09:44	24		9:51	14		10:05	44		09:54	40		10:10	44		10:17	-6
wo	7-3			15:33		347	15:25		331	15:38		321	15:49		351	15:28		290	16:03		371	16:10		391
wo	7-3				21:48	36		21:57	21		22:04	11		22:18	41		22:06	37		22:23	41		22:30	-9
do	8-3			03:49		351	03:40		334	3:53		324	04:04		354	03:41		293	04:18		374	4:25		394
do	8-3				10:07	44		10:14	31		10:21	21		10:35	51		10:24	47		10:40	51		10:47	1
do	8-3			16:10		342	15:59		328	16:12		318	16:23		348	16:01		287	16:37		368	16:44		388
do	8-3				22:21	43		22:31	28		22:38	18		22:52	48		22:40	44		22:57	48		23:04	-2
vr	9-3			04:30		339	04:18		322	4:31		312	04:42		342	04:21		283	04:56		362	5:03		382
vr	9-3				10:44	56		10:49	46		10:56	36		11:10	66		11:01	58		11:15	66		11:22	16
vr	9-3			16:52		336	16:39		320	16:52		310	17:03		340	16:44		281	17:17		360	17:24		380
vr	9-3				23:05	56		23:12	44		23:19	34		23:33	64		23:24	56		23:38	64		23:45	14

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
za	10-3			05:18		326	05:05		305	5:18		295	05:29		325	05:13		271	05:43		345	5:50		365
za	10-3				11:32	75		11:31	72		11:38	62		11:52	92		11:49	75		11:57	92		12:04	42
za	10-3			17:42		329	17:29		307	17:42		297	17:53		327	17:42		273	18:07		347	18:14		367
za	10-3				00:02	0		00:03	0		0:10	-10		00:24	0		00:22	0		00:29	0		0:36	-50
zo	11-3				00:02	73		00:03	70		0:10	60		00:24	90		00:22	74		00:29	90		0:36	40
zo	11-3			06:15		315	06:03		289	6:16		279	06:27		309	06:20		259	06:41		329	6:48		349
zo	11-3				12:35	94		12:29	102		12:36	92		12:50	122		12:52	95		12:55	122		13:02	72
zo	11-3			18:42		325	18:33		296	18:46		286	18:57		316	18:53		269	19:11		336	19:18		356
ma	12-3				01:11	89		01:13	95		1:20	85		01:34	115		01:37	90		01:39	115		1:46	65
ma	12-3			07:21		310	07:16		281	7:29		271	07:40		301	07:37		255	07:54		321	8:01		341
ma	12-3	15:54 VM			13:45	106		13:50	121		13:57	111		14:11	141		14:11	107		14:16	141		14:23	91
ma	12-3			19:50		328	19:53		298	20:06		288	20:17		318	20:07		274	20:31		338	20:38		358
di	13-3				02:31	94		02:43	100		2:50	90		03:04	120		03:04	93		03:09	120		3:16	70
di	13-3			08:41		314	08:41		289	8:54		279	09:05		309	08:55		261	09:19		329	9:26		349
di	13-3				15:14	104		15:20	112		15:27	102		15:41	132		15:39	104		15:46	132		15:53	82
di	13-3			21:10		341	21:14		318	21:27		308	21:38		338	21:20		288	21:52		358	21:59		378
wo	14-3				04:04	85		04:01	82		4:08	72		04:22	102		04:20	84		04:27	102		4:34	52
wo	14-3			10:02		328	09:54		309	10:07		299	10:18		329	10:03		274	10:32		349	10:39		369
wo	14-3				16:26	89		16:27	88		16:34	78		16:48	108		16:41	92		16:53	108		17:00	58
wo	14-3			22:13		358	22:15		343	22:28		333	22:39		363	22:20		303	22:53		383	23:00		403
do	15-3				04:57	70		04:59	60		5:06	50		05:20	80		05:12	71		05:25	80		5:32	30
do	15-3			10:51		341	10:45		327	10:58		317	11:09		347	10:53		286	11:23		367	11:30		387
do	15-3				17:13	71		17:19	64		17:26	54		17:40	84		17:27	77		17:45	84		17:52	34
do	15-3			23:00		370	23:02		359	23:15		349	23:26		379	23:07		313	23:40		399	23:47		-50
vr	16-3				05:39	56		05:45	42		5:52	32		06:06	62		05:54	58		06:11	62		23:47	419
vr	16-3			11:31		350	11:28		338	11:41		328	11:52		358	11:34		293	12:06		378		6:18	12
vr	16-3				17:54	56		18:02	47		18:09	37		18:23	67		18:07	62		18:28	67		12:13	398
vr	16-3			23:42		375	23:42		366	23:55		356	00:06		0	23:48		317	00:20		0		18:35	17
za	17-3				06:18	43		06:26	31		6:33	21		00:06	386		06:32	47		00:20	406		0:27	426
za	17-3			12:10		353	12:06		342	12:19		332		06:47	51	12:11		296		06:52	51		6:59	1
za	17-3				18:33	43		18:40	35		18:47	25		12:30	362		18:45	49		12:44	382		12:51	402
za	17-3			00:22		0	00:19		0		-5			19:01	55	00:25		0		19:06	55		19:13	5
zo	18-3			00:22		375	00:19		366	0:32		356	00:43		386	00:25		317	00:57		406	1:04		426
zo	18-3				06:56	32		07:03	22		7:10	12		07:24	42		07:09	37		07:29	42		7:36	-8
zo	18-3			12:48		354	12:43		342	12:56		332	13:07		362	12:47		296	13:21		382	13:28		402
zo	18-3				19:10	33		19:16	26		19:23	16		19:37	46		19:21	39		19:42	46		19:49	-4

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
ma	19-3			01:00		372	00:54		364	1:07		354	01:18		384	01:00		315	01:32		404	1:39		424
ma	19-3				07:32	25		07:38	15		7:45	5		07:59	35		07:45	31		08:04	35		8:11	-15
ma	19-3			13:25		352	13:17		340	13:30		330	13:41		360	13:21		295	13:55		380	14:02		400
ma	19-3				19:45	27		19:51	18		19:58	8		20:12	38		19:56	32		20:17	38		20:24	-12
di	20-3			01:34		371	01:27		363	1:40		353	01:51		383	01:35		313	02:05		403	2:12		423
di	20-3				08:07	22		08:12	10		8:19	0		08:33	30		08:19	28		08:38	30		8:45	-20
di	20-3	16:58	LK	13:58		351	13:48		340	14:01		330	14:12		360	13:55		294	14:26		380	14:33		400
di	20-3				20:17	24		20:24	12		20:31	2		20:45	32		20:29	27		20:50	32		20:57	-18
wo	21-3			02:07		371	02:00		364	2:13		354	02:24		384	02:09		313	02:38		404	2:45		424
wo	21-3				08:39	23		08:45	10		8:52	0		09:06	30		08:51	28		09:11	30		9:18	-20
wo	21-3			14:29		352	14:19		341	14:32		331	14:43		361	14:29		294	14:57		381	15:04		401
wo	21-3				20:49	23		20:57	9		21:04	-1		21:18	29		21:02	25		21:23	29		21:30	-21
do	22-3			02:42		370	02:35		363	2:48		353	02:59		383	02:45		311	03:13		403	3:20		423
do	22-3				09:10	28		09:18	14		9:25	4		09:39	34		09:24	31		09:44	34		9:51	-16
do	22-3			15:03		352	14:52		341	15:05		331	15:16		361	15:04		294	15:30		381	15:37		401
do	22-3				21:22	25		21:31	11		21:38	1		21:52	31		21:38	26		21:57	31		22:04	-19
vr	23-3			03:21		365	03:13		357	3:26		347	03:37		377	03:24		307	03:51		397	3:58		417
vr	23-3				09:43	36		09:53	24		10:00	14		10:14	44		10:00	37		10:19	44		10:26	-6
vr	23-3			15:41		349	15:30		338	15:43		328	15:54		358	15:42		292	16:08		378	16:15		398
vr	23-3				22:01	31		22:10	18		22:17	8		22:31	38		22:19	32		22:36	38		22:43	-12
za	24-3			04:05		353	03:57		342	4:10		332	04:21		362	04:07		298	04:35		382	4:42		402
za	24-3				10:23	49		10:32	39		10:39	29		10:53	59		10:43	49		10:58	59		11:05	9
za	24-3			16:26		341	16:15		327	16:28		317	16:39		347	16:27		285	16:53		367	17:00		387
za	24-3				22:47	43		22:55	33		23:02	23		23:16	53		23:08	43		23:21	53		23:28	3
zo	25-3			05:57		335	05:51		320	6:04		310	06:15		340	06:00		283	06:29		360	6:36		380
zo	25-3				12:13	60		12:20	60		12:27	50		12:41	80		12:35	60		12:46	80		12:53	30
zo	25-3			18:20		327	18:11		310	18:24		300	18:35		330	18:22		275	18:49		350	18:56		370
zo	25-3				00:45	0		00:52	0		0:59	-10		01:13	0		01:11	0		01:18	0		1:25	-50
ma	26-3				00:45	50		00:52	50		0:59	40		01:13	70		01:11	50		01:18	70		1:25	20
ma	26-3			07:06		317	07:04		300	7:17		290	07:28		320	07:08		267	07:42		340	7:49		360
ma	26-3				13:21	80		13:28	84		13:35	74		13:49	104		13:49	79		13:54	104		14:01	54
ma	26-3			19:37		317	19:32		297	19:45		287	19:56		317	19:37		265	20:10		337	20:17		357
di	27-3				02:23	60		02:15	60		2:22	50		02:36	80		02:46	60		02:41	80		2:48	30
di	27-3			08:43		312	08:33		296	8:46		286	08:57		316	08:42		260	09:11		336	9:18		356
di	27-3				15:13	78		15:04	88		15:11	78		15:25	108		15:29	78		15:30	108		15:37	58
di	27-3			21:13		321	21:04		303	21:17		293	21:28		323	21:12		267	21:42		343	21:49		363

getijden 2018				Wangerooge, West 53°46'35"N 7°52'05"E			Wangerooge, Langes Riff 53°48'23"N 7°55'45"E			Wangerooge, Ost 53°46'02"N 7°59'06"E			Minsener Oog, Buhne C 53°45'0.0"N, 8°1'59.9"E			Helgoland 54°10'44"N 7°53'24"E			Schillig 53°41'55"N 8°03'05"E			Hooksiel 53°38'31"N 8°04'55"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		03:56	40		03:51	50		3:58	40		04:12	70		04:15	40		04:17	70		4:24	20
wo	28-3			10:08		324	09:56		311	10:09		301	10:20		331	10:08		269	10:34		351	10:41		371
wo	28-3				16:27	61		16:31	65		16:38	55		16:52	85		16:49	63		16:57	85		17:04	35
wo	28-3			22:30		339	22:22		325	22:35		315	22:46		345	22:33		282	23:00		365	23:07		385
do	29-3				05:10	30		05:11	20		5:18	10		05:32	40		05:31	30		05:37	40		5:44	-10
do	29-3			11:16		342	11:09		334	11:22		324	11:33		354	11:17		285	11:47		374	11:54		394
do	29-3				17:40	43		17:44	36		17:51	26		18:05	56		17:58	44		18:10	56		18:17	6
do	29-3			23:32		358	23:29		350	23:42		340	23:53		370	23:38		300	00:07		0	0:14		-50
vr	30-3				06:20	10		06:19	0		6:26	-10		06:40	20		06:35	10	00:07		390	0:14		410
vr	30-3			12:12		357	12:12		352	12:25		342	12:36		372	12:13		298		06:45	20		6:52	-30
vr	30-3				18:42	28		18:46	14		18:53	4		19:07	34		18:55	30	12:50		392	12:57		412
vr	30-3			00:25		0	00:27		0	0:40		-10	00:51		0	00:31		0		19:12	34		19:19	-16
za	31-3			00:25		370	00:27		366	0:40		356	00:51		386	00:31		312	01:05		406	1:12		426
za	31-3				07:14	0		07:15	0		7:22	-10		07:36	10		07:27	10		07:41	10		7:48	-40
za	31-3			13:02		363	13:05		359	13:18		349	13:29		379	13:00		304	13:43		399	13:50		419
za	31-3				19:32	19		19:38	5		19:45	0		19:59	25		19:43	23		20:04	25		20:11	-25

getijden 2018				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maand		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"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			01:13		374	01:17		369	1:30		359	01:41		389	01:17		316	01:55		409	2:02		429	
zo	1-4				07:59	0		08:02	0		8:09	-10		08:23	10		08:11	10		08:28		10		8:35	-40
zo	1-4			13:46		363	13:50		355	14:03		345	14:14		375	13:42		305	14:28		395	14:35		415	
zo	1-4				20:16	17		20:21	6		20:28	-4		20:42	26		20:26	21		20:47		26		20:54	-24
ma	2-4			01:56		371	02:00		364	2:13		354	02:24		384	01:58		314	02:38		404	2:45		424	
ma	2-4				08:38	10		08:42	0		8:49	-10		09:03	20		08:49	20		09:08		20		9:15	-30
ma	2-4			14:24		359	14:27		348	14:40		338	14:51		368	14:20		303	15:05		388	15:12		408	
ma	2-4				20:53	19		20:57	11		21:04	1		21:18	31		21:03	22		21:23		31		21:30	-19
di	3-4			02:33		366	02:36		355	2:49		345	03:00		375	02:34		309	03:14		395	3:21		415	
di	3-4				09:12	20		09:15	10		9:22	0		09:36	30		09:22	20		09:41		30		9:48	-20
di	3-4			14:57		356	14:56		345	15:09		335	15:20		365	14:54		302	15:34		385	15:41		405	
di	3-4	20:39	EK		21:25	23		21:28	12		21:35	2		21:49	32		21:36	24		21:54		32		22:01	-18
wo	4-4			03:08		360	03:07		348	3:20		338	03:31		368	03:07		303	03:45		388	3:52		408	
wo	4-4				09:38	20		09:43	10		9:50	0		10:04	30		09:51	30		10:09		30		10:16	-20
wo	4-4			15:27		357	15:22		347	15:35		337	15:46		367	15:26		301	16:00		387	16:07		407	
wo	4-4				21:51	25		21:57	10		22:04	0		22:18	30		22:06	26		22:23		30		22:30	-20
do	5-4			03:43		355	03:37		343	3:50		333	04:01		363	03:40		298	04:15		383	4:22		403	
do	5-4				10:02	30		10:11	10		10:18	0		10:32	30		10:19	30		10:37		30		10:44	-20
do	5-4			15:59		358	15:51		350	16:04		340	16:15		370	15:57		301	16:29		390	16:36		410	
do	5-4				22:17	30		22:28	13		22:35	3		22:49	33		22:36	31		22:54		33		23:01	-17
vr	6-4			04:19		348	04:09		336	4:22		326	04:33		356	04:14		292	04:47		376	4:54		396	
vr	6-4				10:32	40		10:40	20		10:47	10		11:01	40		10:49	40		11:06		40		11:13	-10
vr	6-4			16:35		356	16:25		348	16:38		338	16:49		368	16:30		299	17:03		388	17:10		408	
vr	6-4				22:51	41		23:00	24		23:07	14		23:21	44		23:09	42		23:26		44		23:33	-6
za	7-4			04:58		340	04:45		326	4:58		316	05:09		346	04:51		285	05:23		366	5:30		386	
za	7-4				11:06	60		11:12	40		11:19	30		11:33	60		11:23	60		11:38		60		11:45	10
za	7-4			17:14		351	17:03		340	17:16		330	17:27		360	17:08		295	17:41		380	17:48		400	
za	7-4				23:31	59		23:37	46		23:44	36		23:58	66		23:48	61		00:03		0		0:10	-50
zo	8-4			05:41		330	05:26		313	5:39		303	05:50		333	05:36		275	00:03		60		0:10	10	
zo	8-4				11:46	80		11:49	70		11:56	60		12:10	90		12:03	80		06:04		353	6:11		373
zo	8-4			17:59		346	17:46		329	17:59		319	18:10		349	17:57		290		12:15		97		12:22	47
zo	8-4				00:20	0		00:20	0		0:27	-10		00:41	0		00:39	0		18:24		369	18:31		389
ma	9-4				00:20	80		00:20	70		0:27	60		00:41	90		00:39	80		00:46		90		0:53	40
ma	9-4			06:31		321	06:17		298	6:30		288	06:41		318	06:34		266	06:55		338	7:02		358	
ma	9-4				12:38	107		12:36	107		12:43	97		12:57	127		12:56	107		13:02		127		13:09	77
ma	9-4			18:53		342	18:41		318	18:54		308	19:05		338	19:01		286	19:19		358	19:26		378	

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
di	10-4				01:21	90		01:18	100		1:25	90		01:39	120		01:43	100		01:44	120		1:51	70
di	10-4			07:31		317	07:21		289	7:34		279	07:45		309	07:45		261	07:59		329	8:06		349
di	10-4				13:43	120		13:43	131		13:50	121		14:04	151		14:05	121		14:09	151		14:16	101
di	10-4			19:57		342	19:53		315	20:06		305	20:17		335	20:14		289	20:31		355	20:38		375
wo	11-4				02:30	100		02:40	110		2:47	100		03:01	130		03:02	100		03:06	130		3:13	80
wo	11-4	8:08	VM	08:41		319	08:40		292	8:53		282	09:04		312	09:02		265	09:18		332	9:25		352
wo	11-4				14:55	118		15:14	131		15:21	121		15:35	151		15:29	120		15:40	151		15:47	101
wo	11-4			21:13		350	21:16		327	21:29		317	21:40		347	21:28		298	21:54		367	22:01		387
do	12-4				03:55	90		04:10	90		4:17	80		04:31	110		04:25	90		04:36	110		4:43	60
do	12-4			10:00		329	10:00		309	10:13		299	10:24		329	10:14		277	10:38		349	10:45		369
do	12-4				16:30	100		16:37	104		16:44	94		16:58	124		16:49	101		17:03	124		17:10	74
do	12-4			22:26		362	22:27		346	22:40		336	22:51		366	22:35		309	23:05		386	23:12		406
vr	13-4				05:11	70		05:15	60		5:22	50		05:36	80		05:26	70		05:41	80		5:48	30
vr	13-4			11:05		342	11:02		329	11:15		319	11:26		349	11:12		288	11:40		369	11:47		389
vr	13-4				17:33	75		17:37	72		17:44	62		17:58	92		17:46	78		18:03	92		18:10	42
vr	13-4			23:22		371	23:21		360	23:34		350	23:45		380	23:29		315	23:59		400	0:06		-50
za	14-4				06:00	50		06:06	40		6:13	30		06:27	60		06:15	50		06:32	60		0:06	420
za	14-4			11:55		351	11:51		341	12:04		331	12:15		361	12:00		295	12:29		381	6:39		10
za	14-4				18:20	53		18:25	49		18:32	39		18:46	69		18:32	57		18:51	69	12:36		401
za	14-4			00:10		0	00:06		0		-5	00:30		0	00:15		0	00:44		0		18:58		19
zo	15-4			00:10		373	00:06		364	0:19		354	00:30		384	00:15		316	00:44		404	0:51		424
zo	15-4				06:44	30		06:49	20		6:56	10		07:10	40		06:58	30		07:15	40		7:22	-10
zo	15-4			12:40		354	12:33		344	12:46		334	12:57		364	12:41		296	13:11		384	13:18		404
zo	15-4				19:03	38		19:07	34		19:14	24		19:28	54		19:14	42		19:33	54		19:40	4
ma	16-4			00:53		372	00:47		363	1:00		353	01:11		383	00:55		314	01:25		403	1:32		423
ma	16-4				07:26	20		07:30	10		7:37	0		07:51	30		07:38	20		07:56	30		8:03	-20
ma	16-4			13:20		355	13:12		344	13:25		334	13:36		364	13:17		296	13:50		384	13:57		404
ma	16-4				19:43	27		19:46	23		19:53	13		20:07	43		19:54	32		20:12	43		20:19	-7
di	17-4			01:33		370	01:25		363	1:38		353	01:49		383	01:30		312	02:03		403	2:10		423
di	17-4				08:05	10		08:08	10		8:15	0		08:29	30		08:17	20		08:34	30		8:41	-20
di	17-4			13:58		356	13:49		345	14:02		335	14:13		365	13:51		297	14:27		385	14:34		405
di	17-4				20:21	21		20:24	13		20:31	3		20:45	33		20:32	25		20:50	33		20:57	-17
wo	18-4			02:11		370	02:03		364	2:16		354	02:27		384	02:06		313	02:41		404	2:48		424
wo	18-4				08:42	10		08:45	0		8:52	-10		09:06	20		08:53	20		09:11	20		9:18	-30
wo	18-4			14:34		358	14:24		349	14:37		339	14:48		369	14:26		300	15:02		389	15:09		409
wo	18-4				20:57	16		21:01	4		21:08	-6		21:22	24		21:09	21		21:27	24		21:34	-26

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
do	19-4			02:49		371	02:41		366	2:54		356	03:05		386	02:45		314	03:19		406	3:26		426
do	19-4	11:57	LK		09:17	10		09:22	0		9:29	-10		09:43	20		09:29	20		09:48	20		9:55	-30
do	19-4			15:09		361	14:59		354	15:12		344	15:23		374	15:05		304	15:37		394	15:44		414
do	19-4				21:32	14		21:39	0		21:46	-10		22:00	19		21:46	18		22:05	19		22:12	-31
vr	20-4			03:28		368	03:20		364	3:33		354	03:44		384	03:27		312	03:58		404	4:05		424
vr	20-4				09:51	20		09:59	0		10:06	-10		10:20	20		10:05	20		10:25	20		10:32	-30
vr	20-4			15:46		362	15:37		357	15:50		347	16:01		377	15:47		305	16:15		397	16:22		417
vr	20-4				22:08	16		22:18	1		22:25	-9		22:39	21		22:25	19		22:44	21		22:51	-29
za	21-4			04:11		359	04:03		354	4:16		344	04:27		374	04:12		304	04:41		394	4:48		414
za	21-4				10:26	30		10:37	10		10:44	0		10:58	30		10:44	30		11:03	30		11:10	-20
za	21-4			16:27		357	16:19		353	16:32		343	16:43		373	16:30		301	16:57		393	17:04		413
za	21-4				22:49	22		22:59	10		23:06	0		23:20	30		23:09	25		23:25	30		23:32	-20
zo	22-4			04:59		343	04:52		336	5:05		326	05:16		356	05:01		291	05:30		376	5:37		396
zo	22-4				11:07	40		11:19	30		11:26	20		11:40	50		11:29	40		11:45	50		11:52	0
zo	22-4			17:15		347	17:07		342	17:20		332	17:31		362	17:18		293	17:45		382	17:52		402
zo	22-4				23:38	35		23:47	26		23:54	16		00:08	0		00:01	0		00:13	0		0:20	-50
ma	23-4			05:58		325	05:50		315	6:03		305	06:08		40	06:01		30	06:28		40	6:35		375
ma	23-4				11:59	60		12:09	60		12:16	50		12:30	80		12:24	63		12:35	80		12:42	30
ma	23-4			18:15		334	18:08		327	18:21		317	18:32		347	18:17		282	18:46		367	18:53		387
ma	23-4				00:46	0		00:47	0		0:54	-10		18:32	60		18:17	40		18:46	60		1:20	10
di	24-4			07:14		313	07:04		301	7:17		291	07:28		321	07:11		261	07:42		341	7:49		361
di	24-4				13:24	75		13:19	81		13:26	71		13:40	101		13:44	75		13:45	101		13:52	51
di	24-4			19:35		328	19:27		317	19:40		307	19:51		337	19:34		276	20:05		357	20:12		377
wo	25-4				02:29	40		02:10	50		2:17	40		02:31	70		02:44	40		02:36	70		2:43	20
wo	25-4			08:33		315	08:25		303	8:38		293	08:49		323	08:36		260	09:03		343	9:10		363
wo	25-4				14:59	70		14:50	82		14:57	72		15:11	102		15:15	72		15:16	102		15:23	52
wo	25-4			20:56		336	20:50		325	21:03		315	21:14		345	21:00		281	21:28		365	21:35		385
do	26-4				03:40	30		03:36	40		3:43	30		03:57	60		04:01	30		04:02	60		4:09	10
do	26-4			09:49		328	09:42		319	9:55		309	10:06		339	09:53		271	10:20		359	10:27		379
do	26-4	14:16	NM		16:07	57		16:11	61		16:18	51		16:32	81		16:29	58		16:37	81		16:44	31
do	26-4			22:08		351	22:04		345	22:17		335	22:28		365	22:16		294	22:42		385	22:49		405
vr	27-4				04:50	20		04:50	20		4:57	10		05:11	40		05:13	20		05:16	40		5:23	-10
vr	27-4			10:56		345	10:52		341	11:05		331	11:16		361	10:58		287	11:30		381	11:37		401
vr	27-4				17:20	43		17:22	37		17:29	27		17:43	57		17:37	43		17:48	57		17:55	7
vr	27-4			23:11		365	23:10		364	23:23		354	23:34		384	23:19		308	23:48		404	23:55		-50

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"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			06:00	10		05:55	0		6:02	-10		06:16	20		06:15	10		06:21	20	23:55		424	
za	28-4			11:52		357	11:53		356	12:06		346	12:17		376	11:53		299	12:31		396	6:28	-30	
za	28-4				18:23	30		18:23	19		18:30	9		18:44	39		18:35	32		18:49	39	12:38		416
za	28-4			00:05		0	00:07		0	0:20		-10	00:31		0	00:11		0	00:45		0	18:56	-11	
zo	29-4			00:05		370	00:07		371	0:20		361	00:31		391	00:11		314	00:45		411	0:52	431	
zo	29-4				06:52	10		06:50	0		6:57	-10		07:11	10		07:05	10		07:16	10	7:23	-40	
zo	29-4			12:40		361	12:43		358	12:56		348	13:07		378	12:39		304	13:21		398	13:28		418
zo	29-4				19:12	22		19:14	11		19:21	1		19:35	31		19:22	26		19:40	31	19:47	-19	
ma	30-4			00:53		367	00:54		366	1:07		356	01:18		386	00:56		313	01:32		406	1:39		426
ma	30-4				07:36	10		07:35	0		7:42	-10		07:56	20		07:46	20		08:01	20	8:08	-30	
ma	30-4			13:23		358	13:23		354	13:36		344	13:47		374	13:18		304	14:01		394	14:08		414
ma	30-4				19:54	20		19:55	12		20:02	7		20:16	32		20:03	25		20:21	32	20:28	-18	

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"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			01:34		360	01:34		356	1:47		346	01:58		376	01:34		307	02:12		396	2:19		416	
di	1-5				08:13	20		08:13	10		8:20	0		08:34	30		08:21	20		08:39		30		8:46	-20
di	1-5			13:58		356	13:56		351	14:09		341	14:20		371	13:53		304	14:34		391	14:41		411	
di	1-5				20:30	21		20:30	12		20:37	2		20:51	32		20:37	25		20:56		32		21:03	-18
wo	2-5			02:10		355	02:08		349	2:21		339	02:32		369	02:08		301	02:46		389	2:53		409	
wo	2-5				08:43	20		08:45	10		8:52	0		09:06	30		08:50	20		09:11		30		9:18	-20
wo	2-5			14:28		358	14:23		355	14:36		345	14:47		375	14:25		306	15:01		395	15:08		415	
wo	2-5				21:00	23		21:00	9		21:07	338		21:21	29		21:08	24		21:26		29		21:33	408
do	3-5	4:47	EK	02:44		353	02:39		348	2:52		338	03:03		368	02:41		299	03:17		388	3:24		408	
do	3-5				09:07	20		09:13	10		9:20	0		09:34	30		09:19	30		09:39		30		9:46	-20
do	3-5			14:58		364	14:52		363	15:05		353	15:16		383	14:58		309	15:30		403	15:37		423	
do	3-5				21:25	25		21:31	7		21:38	-3		21:52	27		21:39	26		21:57		27		22:04	-23
vr	4-5			03:19		354	03:12		348	3:25		338	03:36		368	03:16		298	03:50		388	3:57		408	
vr	4-5				09:34	30		09:43	10		9:50	0		10:04	30		09:50	30		10:09		30		10:16	-20
vr	4-5			15:32		370	15:26		368	15:39		358	15:50		388	15:33		312	16:04		408	16:11		428	
vr	4-5				21:54	33		22:03	14		22:10	4		22:24	34		22:12	35		22:29		34		22:36	-16
za	5-5			03:56		352	03:47		345	4:00		335	04:11		365	03:53		296	04:25		385	4:32		405	
za	5-5				10:07	40		10:15	30		10:22	20		10:36	50		10:23	50		10:41		50		10:48	0
za	5-5			16:09		370	16:02		366	16:15		356	16:26		386	16:08		312	16:40		406	16:47		426	
za	5-5				22:29	49		22:37	31		22:44	21		22:58	51		22:46	51		23:03		51		23:10	1
zo	6-5			04:34		346	04:23		336	4:36		326	04:47		356	04:31		291	05:01		376	5:08		396	
zo	6-5				10:41	70		10:47	50		10:54	40		11:08	70		10:56	70		11:13		70		11:20	20
zo	6-5			16:47		367	16:39		359	16:52		349	17:03		379	16:44		310	17:17		399	17:24		419	
zo	6-5				23:08	69		23:12	54		23:19	44		23:33	74		23:24	71		23:38		74		23:45	24
ma	7-5			05:14		338	05:01		324	5:14		314	05:25		344	05:11		283	05:39		364	5:46		384	
ma	7-5				11:16	90		11:21	80		11:28	70		11:42	100		11:33	90		11:47		100		11:54	50
ma	7-5			17:27		363	17:18		351	17:31		341	17:42		371	17:26		308	17:56		391	18:03		411	
ma	7-5				23:51	87		23:52	76		23:59	66		00:13	0		00:09	0		00:18		0		0:25	-50
di	8-5			05:58		331	05:46		312	5:59		302	06:10		332	06:00		277	06:24		352	6:31		372	
di	8-5				12:00	110		12:03	100		12:10	90		12:24	124		12:19	111		12:29		124		12:36	74
di	8-5				00:44	0		00:42	0		0:49	-10		18:29	364		18:20	305		18:43		384	18:50		60
wo	9-5				00:44	90		00:42	90		0:49	80		01:03	110		01:04	100		01:08		110		1:15	60
wo	9-5			06:50		327	06:42		305	6:55		295	07:06		325	07:00		272	07:20		345	7:27		365	
wo	9-5				12:58	116		12:59	118		13:06	108		13:20	138		13:18	119		13:25		138		13:32	88
wo	9-5			19:09		359	19:07		340	19:20		330	19:31		360	19:24		305	19:45		380	19:52		400	

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
do	10-5				01:44	90		01:48	90		1:55	80		02:09	110		02:09	90		02:14	110		2:21	60
do	10-5			07:51		328	07:50		306	8:03		296	08:14		326	08:11		274	08:28		346	8:35		366
do	10-5				14:01	110		14:12	119		14:19	109		14:33	139		14:28	114		14:38	139		14:45	89
do	10-5	23:43	VM	20:16		360	20:19		343	20:32		333	20:43		363	20:36		307	20:57		383	21:04		403
vr	11-5				02:50	80		03:08	80		3:15	70		03:29	100		03:22	80		03:34	100		3:41	50
vr	11-5			09:04		333	09:04		317	9:17		307	09:28		337	09:23		282	09:42		357	9:49		377
vr	11-5				15:10	96		15:35	100		15:42	90		15:56	120		15:45	98		16:01	120		16:08	70
vr	11-5			21:32		364	21:31		353	21:44		343	21:55		373	21:46		312	22:09		393	22:16		413
za	12-5				04:04	60		04:20	50		4:27	40		04:41	70		04:32	60		04:46	70		4:53	20
za	12-5			10:16		343	10:11		333	10:24		323	10:35		353	10:27		291	10:49		373	10:56		393
za	12-5				16:32	75		16:45	71		16:52	61		17:06	91		16:56	75		17:11	91		17:18	41
za	12-5			22:38		369	22:33		362	22:46		352	22:57		382	22:46		316	23:11		402	23:18		422
zo	13-5				05:11	40		05:18	30		5:25	20		05:39	50		05:30	40		05:44	50		5:51	0
zo	13-5			11:15		352	11:07		345	11:20		335	11:31		365	11:20		297	11:45		385	11:52		405
zo	13-5				17:37	54		17:41	47		17:48	37		18:02	67		17:52	55		18:07	67		18:14	17
zo	13-5			23:32		371	23:25		366			361	23:49		386	23:37		316	00:03		0	0:10		-50
ma	14-5				06:04	30		06:08	10		6:15	0		06:29	30		06:20	30		00:03	406	0:10		426
ma	14-5			12:05		358	11:55		351	12:08		341	12:19		371	12:05		300		06:34	30		6:41	-20
ma	14-5				18:28	39		18:30	31		18:37	21		18:51	51		18:41	41	12:33		391	12:40		411
ma	14-5			00:21		0	00:12		0	0:25		-10	00:36		0	00:20		0		18:56	51		19:03	1
di	15-5			00:21		371	00:12		367	0:25		357	00:36		387	00:20		315	00:50		407	0:57		427
di	15-5				06:52	20		06:54	10		7:01	0		07:15	30		07:05	20		07:20	30		7:27	-20
di	15-5			12:50		360	12:39		353	12:52		343	13:03		373	12:44		301	13:17		393	13:24		413
di	15-5				19:14	28		19:15	19		19:22	9		19:36	39		19:25	32		19:41	39		19:48	-11
wo	16-5			01:06		370	00:56		368	1:09		358	01:20		388	01:00		315	01:34		408	1:41		428
wo	16-5				07:36	10		07:37	0		7:44	-10		07:58	20		07:48	20		08:03	20		8:10	-30
wo	16-5			13:31		362	13:21		356	13:34		346	13:45		376	13:21		305	13:59		396	14:06		416
wo	16-5				19:57	20		19:58	8		20:05	-2		20:19	28		20:08	24		20:24	28		20:31	-22
do	17-5			01:49		371	01:40		368	1:53		358	02:04		388	01:40		316	02:18		408	2:25		428
do	17-5				08:18	10		08:20	0		8:27	-10		08:41	20		08:29	20		08:46	20		8:53	-30
do	17-5			14:11		365	14:01		361	14:14		351	14:25		381	14:01		310	14:39		401	14:46		421
do	17-5				20:39	13		20:40	0		20:47	-10		21:01	17		20:51	18		21:06	17		21:13	-33
vr	18-5			02:32		370	02:25		368	2:38		358	02:49		388	02:25		316	03:03		408	3:10		428
vr	18-5				08:58	10		09:02	0		9:09	-10		09:23	10		09:10	20		09:28	10		9:35	-40
vr	18-5			14:50		369	14:42		367	14:55		357	15:06		387	14:45		315	15:20		407	15:27		427
vr	18-5				21:19	9		21:23	0		21:30	-10		21:44	11		21:34	13		21:49	11		21:56	422

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan				53°46'35"N 7°52'05"E			53°48'23"N 7°55'45"E			53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
za	19-5	2:33	LK	03:17		365	03:10		362	3:23		352	03:34		382	03:13		313	03:48		402	3:55		422
za	19-5				09:37	20		09:44	0		9:51	-10		10:05	20		09:51	20		10:10	20		10:17	-30
za	19-5			15:32		370	15:25		370	15:38		360	15:49		390	15:32		317	16:03		410	16:10		430
za	19-5				22:01	9		22:07	0		22:14	-10		22:28	12		22:18	12		22:33	12		22:40	-38
zo	20-5			04:05		354	03:58		351	4:11		341	04:22		371	04:04		303	04:36		391	4:43		411
zo	20-5				10:16	20		10:26	10		10:33	0		10:47	30		10:34	30		10:52	30		10:59	-20
zo	20-5			16:18		366	16:11		367	16:24		357	16:35		387	16:21		313	16:49		407	16:56		427
zo	20-5				22:46	15		22:53	1		23:00	-9		23:14	21		23:07	17		23:19	21		23:26	-29
ma	21-5			04:58		340	04:49		336	5:02		326	05:13		356	04:57		290	05:27		376	5:34		396
ma	21-5				11:01	40		11:11	30		11:18	20		11:32	50		11:22	40		11:37	50		11:44	0
ma	21-5			17:10		358	17:02		359	17:15		349	17:26		379	17:12		306	17:40		399	17:47		419
ma	21-5				23:42	27		23:43	17		23:50	7		00:04	0		00:03	0		00:09	0		0:16	-50
di	22-5			05:58		327	05:47		321	6:00		311		00:04	30		00:03	20		00:09	30		0:16	-20
di	22-5				11:59	50		12:03	50		12:10	40	06:11		341	05:55		277	06:25		361	6:32		381
di	22-5			18:11		349	18:02		348	18:15		338		12:24	71		12:20	56		12:29	71		12:36	21
di	22-5				01:00	0		00:43	0		0:50	-10	18:26		368	18:11		298	18:40		388	18:47		408
wo	23-5				01:00	30		00:43	30		0:50	20		01:04	50		01:13	30		01:09	50		1:16	0
wo	23-5			07:04		321	06:53		312	7:06		302	07:17		332	07:02		268	07:31		352	7:38		372
wo	23-5				13:23	63		13:08	66		13:15	56		13:29	86		13:35	64		13:34	86		13:41	36
wo	23-5			19:21		347	19:12		343	19:25		333	19:36		363	19:22		293	19:50		383	19:57		403
do	24-5				02:11	30		01:56	40		2:03	30		02:17	60		02:27	30		02:22	60		2:29	10
do	24-5			08:11		324	08:04		314	8:17		304	08:28		334	08:14		268	08:42		354	8:49		374
do	24-5				14:35	60		14:26	68		14:33	58		14:47	88		14:50	63		14:52	88		14:59	38
do	24-5			20:31		351	20:26		347	20:39		337	20:50		367	20:37		296	21:04		387	21:11		407
vr	25-5				03:12	30		03:10	30		3:17	20		03:31	50		03:34	30		03:36	50		3:43	0
vr	25-5			09:20		332	09:15		325	9:28		315	09:39		345	09:24		277	09:53		365	10:00		385
vr	25-5				15:38	53		15:40	57		15:47	47		16:01	77		15:59	56		16:06	77		16:13	27
vr	25-5	21:44	NM	21:40		358	21:37		357	21:50		347	22:01		377	21:48		303	22:15		397	22:22		417
za	26-5				04:17	30		04:18	20		4:25	10		04:39	40		04:42	30		04:44	40		4:51	-10
za	26-5			10:27		344	10:23		339	10:36		329	10:47		359	10:28		288	11:01		379	11:08		399
za	26-5				16:48	45		16:48	41		16:55	31		17:09	61		17:08	45		17:14	61		17:21	11
za	26-5			22:44		363	22:42		363	22:55		353	23:06		383	22:51		308	23:20		403	23:27		423
zo	27-5				05:29	20		05:21	10		5:28	0		05:42	30		05:45	20		05:47	30		5:54	-20
zo	27-5			11:25		352	11:23		349	11:36		339	11:47		369	11:24		296	12:01		389	12:08		409
zo	27-5				17:58	34		17:51	27		17:58	17		18:12	47		18:09	36		18:17	47		18:24	-3
zo	27-5			23:41		361	23:40		361	23:53		351	00:04		0	23:44		308	00:18		0	0:25		-50

getijden 2018				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"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	28-5			06:25		20	06:17		0		6:24	-10	00:04		381	06:37		20	00:18		401	0:25		421
ma	28-5			12:15		354	12:12		350	12:25		340		06:38	20	12:11		300		06:43	20		6:50	-30
ma	28-5				18:49	26		18:44	19		18:51	9	12:36		370		18:58	31	12:50		390	12:57		410
ma	28-5			00:31		0	00:28		0	0:41		-10		19:05	39	00:30		0		19:10	39		19:17	-11
di	29-5			00:31		355	00:28		352	0:41		342	00:52		372	00:30		302	01:06		392	1:13		412
di	29-5				07:09	20		07:04	10		7:11	0		07:25	30		07:18	30		07:30	30		7:37	-20
di	29-5			12:57		353	12:51		347	13:04		337	13:15		367	12:50		301	13:29		387	13:36		407
di	29-5				19:31	24		19:27	18		19:34	13		19:48	38		19:38	30		19:53	38		20:00	-12
wo	30-5			01:13		348	01:07		343	1:20		333	01:31		363	01:08		297	01:45		383	1:52		403
wo	30-5				07:45	20		07:43	10		7:50	0		08:04	30		07:51	30		08:09	30		8:16	-20
wo	30-5			13:31		354	13:22		350	13:35		340	13:46		370	13:24		304	14:00		390	14:07		410
wo	30-5				20:07	26		20:02	17		20:09	7		20:23	37		20:12	31		20:28	37		20:35	-13
do	31-5			01:49		346	01:41		342	1:54		332	02:05		362	01:42		296	02:19		382	2:26		402
do	31-5				08:15	30		08:16	20		8:23	10		08:37	40		08:20	30		08:42	40		8:49	-10
do	31-5			14:01		361	13:52		360	14:05		350	14:16		380	13:57		310	14:30		400	14:37		420
do	31-5				20:36	29		20:35	15		20:42	5		20:56	35		20:43	32		21:01	35		21:08	-15

getijden 2018				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand				53°46'35"N 7°52'05"E			53°48'23"N 7°55'45"E			53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"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			02:22		351	02:14		348	2:27		338	02:38		368	02:17		300	02:52		388	2:59		408
vr	1-6				08:42	30		08:48	20		8:55	10		09:09	40		08:51	30		09:14	40		9:21	-10
vr	1-6	14:42	EK	14:33		372	14:26		373	14:39		363	14:50		393	14:33		318	15:04		413	15:11		433
vr	1-6				21:03	34		21:08	15		21:15	5		21:29	35		21:16	36		21:34	35		21:41	-15
za	2-6			02:58		357	02:49		354	3:02		344	03:13		374	02:55		304	03:27		394	3:34		414
za	2-6				09:13	40		09:20	20		9:27	10		09:41	40		09:26	40		09:46	40		9:53	-10
za	2-6			15:10		380	15:03		380	15:16		370	15:27		400	15:11		324	15:41		420	15:48		440
za	2-6				21:36	44		21:43	24		21:50	14		22:04	44		21:51	46		22:09	44		22:16	-6
zo	3-6			03:36		359	03:26		353	3:39		343	03:50		373	03:35		304	04:04		393	4:11		413
zo	3-6				09:48	50		09:54	40		10:01	30		10:15	60		10:01	60		10:20	60		10:27	10
zo	3-6			15:47		382	15:41		379	15:54		369	16:05		399	15:48		326	16:19		419	16:26		439
zo	3-6				22:12	59		22:18	41		22:25	31		22:39	61		22:27	62		22:44	61		22:51	11
ma	4-6			04:14		354	04:02		345	4:15		335	04:26		365	04:13		300	04:40		385	4:47		405
ma	4-6				10:22	70		10:27	60		10:34	50		10:48	80		10:35	80		10:53	80		11:00	30
ma	4-6			16:23		380	16:16		373	16:29		363	16:40		393	16:24		324	16:54		413	17:01		433
ma	4-6				22:49	74		22:52	60		22:59	50		23:13	80		23:03	77		23:18	80		23:25	30
di	5-6			04:52		346	04:38		333	4:51		323	05:02		353	04:51		292	05:16		373	5:23		393
di	5-6				10:56	90		11:00	80		11:07	70		11:21	100		11:09	90		11:26	100		11:33	50
di	5-6			17:00		376	16:52		366	17:05		356	17:16		386	17:01		321	17:30		406	17:37		426
di	5-6				23:28	84		23:29	72		23:36	62		23:50	92		23:43	87		23:55	92		0:02	-50
wo	6-6			05:31		339	05:18		322	5:31		312	05:42		342	05:31		286	05:56		362		0:02	40
wo	6-6				11:34	100		11:38	90		11:45	80		11:59	110		11:50	100		12:04	110		6:03	382
wo	6-6			17:41		372	17:33		361	17:46		351	17:57		381	17:44		317	18:11		401		12:11	62
wo	6-6				00:13	0		00:13	0		0:20	-10		00:34	0		00:30	0		00:39	0		18:18	40
do	7-6				00:13	80		00:13	70		0:20	60		00:34	90		00:30	90		00:39	90		0:46	40
do	7-6			06:15		335	06:06		317	6:19		307	06:30		337	06:20		281	06:44		357	6:51		377
do	7-6				12:23	101		12:25	96		12:32	86		12:46	116		12:41	105		12:51	116		12:58	66
do	7-6			18:29		370	18:26		356	18:39		346	18:50		376	18:38		314	19:04		396	19:11		416
vr	8-6				01:05	80		01:07	70		1:14	60		01:28	90		01:25	80		01:33	90		1:40	40
vr	8-6			07:08		335	07:04		316	7:17		306	07:28		336	07:18		281	07:42		356	7:49		376
vr	8-6				13:21	95		13:26	95		13:33	85		13:47	115		13:42	99		13:52	115		13:59	65
vr	8-6			19:26		367	19:29		352	19:42		342	19:53		372	19:41		311	20:07		392	20:14		412
za	9-6				02:03	70		02:14	60		2:21	50		02:35	80		02:28	70		02:40	80		2:47	30
za	9-6			08:10		337	08:11		321	8:24		311	08:35		341	08:26		284	08:49		361	8:56		381
za	9-6	15:10	VM		14:23	85		14:37	86		14:44	76		14:58	106		14:50	88		15:03	106		15:10	56
za	9-6			20:32		365	20:37		354	20:50		344	21:01		374	20:50		311	21:15		394	21:22		414

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
zo	10-6				03:08	60		03:25	50		3:32	40		03:46	70		03:36	60		03:51	70		3:58	20
zo	10-6			09:22		343	09:19		332	9:32		322	09:43		352	09:34		290	09:57		372	10:04		392
zo	10-6				15:32	74		15:51	69		15:58	59		16:12	89		16:03	74		16:17	89		16:24	39
zo	10-6			21:46		365	21:43		359	21:56		349	22:07		379	21:57		313	22:21		399	22:28		419
ma	11-6				04:18	50		04:30	30		4:37	20		04:51	50		04:42	50		04:56	50		5:03	0
ma	11-6			10:31		351	10:22		344	10:35		334	10:46		364	10:35		297	11:00		384	11:07		404
ma	11-6				16:49	60		16:56	50		17:03	40		17:17	70		17:09	59		17:22	70		17:29	20
ma	11-6			22:52		368	22:43		364	22:56		354	23:07		384	22:55		315	23:21		404	23:28		424
di	12-6				05:22	30		05:27	20		5:34	10		05:48	40		05:41	40		05:53	40		6:00	-10
di	12-6			11:29		358	11:17		352	11:30		342	11:41		372	11:27		302	11:55		392	12:02		412
di	12-6				17:52	46		17:53	33		18:00	23		18:14	53		18:07	46		18:19	53		18:26	3
di	12-6			23:49		369	23:39		368			363	00:03		0	23:46		316	00:17		0	0:24		-50
wo	13-6				06:18	30		06:20	10		6:27	0	00:03		388		06:33	30	00:17		408	0:24		428
wo	13-6			12:20		362	12:08		358	12:21		348		06:41	30	12:12		307		06:46	30		6:53	-20
wo	13-6				18:46	33		18:46	20		18:53	10	12:32		378		18:59	36	12:46		398	12:53		418
wo	13-6			00:41		0	00:31		0	0:44		-10		19:07	40	00:33		0		19:12	40		19:19	-10
do	14-6			00:41		370	00:31		368	0:44		358	00:55		388	00:33		317	01:09		408	1:16		428
do	14-6				07:09	20		07:10	0		7:17	-10		07:31	20		07:21	30		07:36	20		7:43	-30
do	14-6			13:06		366	12:56		363	13:09		353	13:20		383	12:55		313	13:34		403	13:41		423
do	14-6				19:36	22		19:36	7		19:43	-3		19:57	27		19:48	26		20:02	27		20:09	-23
vr	15-6			01:31		369	01:23		367	1:36		357	01:47		387	01:20		317	02:01		407	2:08		427
vr	15-6				07:58	20		07:59	0		8:06	-10		08:20	20		08:09	20		08:25	20		8:32	-30
vr	15-6			13:51		370	13:43		368	13:56		358	14:07		388	13:41		318	14:21		408	14:28		428
vr	15-6				20:25	12		20:25	0		20:32	-10		20:46	16		20:37	16		20:51	16		20:58	-34
za	16-6			02:20		367	02:14		364	2:27		354	02:38		384	02:11		316	02:52		404	2:59		424
za	16-6				08:44	20		08:47	0		8:54	-10		09:08	20		08:56	20		09:13	20		9:20	-30
za	16-6			14:36		373	14:31		372	14:44		362	14:55		392	14:30		322	15:09		412	15:16		432
za	16-6				21:14	6		21:14	-10		21:21	-20		21:35	9		21:27	10		21:40	9		21:47	418
zo	17-6			03:10		361	03:06		358	3:19		348	03:30		378	03:03		311	03:44		398	3:51		418
zo	17-6				09:30	20		09:34	0		9:41	-10		09:55	20		09:43	20		10:00	20		10:07	-30
zo	17-6	13:33	LK	15:22		375	15:18		375	15:31		365	15:42		395	15:21		324	15:56		415	16:03		435
zo	17-6				22:03	6		22:02	-10		22:09	339		22:23	10		22:17	9		22:28	10		22:35	-40
ma	18-6			04:00		353	03:56		349	4:09		339	04:20		369	03:56		303	04:34		389	4:41		409
ma	18-6				10:16	20		10:21	10		10:28	0		10:42	30		10:30	30		10:47	30		10:54	-20
ma	18-6			16:11		373	16:06		374	16:19		364	16:30		394	16:12		322	16:44		414	16:51		434
ma	18-6				22:54	12		22:50	0		22:57	-10		23:11	18		23:08	14		23:16	18		23:23	-32

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
di	19-6			04:52		344	04:46		338	4:59		328	05:10		358	04:49		293	05:24		378	5:31		398
di	19-6				11:05	30		11:07	20		11:14	10		11:28	40		11:20	30		11:33	40		11:40	-10
di	19-6			17:03		369	16:56		370	17:09		360	17:20		390	17:03		317	17:34		410	17:41		430
di	19-6				23:48	22		23:39	12		23:46	2			0			0			0		0:12	-50
wo	20-6			05:47		336	05:39		329	5:52		319		00:00	30		00:01	20		00:05	30		0:12	-20
wo	20-6				12:01	40		11:56	30		12:03	20	06:03		349	05:43		284	06:17		369	6:24		389
wo	20-6			17:59		365	17:51		365	18:04		355		12:17	59		12:13	49		12:22	59		12:29	9
wo	20-6				00:46	0		00:32	0		0:39	-10	18:15		385	17:58		312	18:29		405	18:36		425
do	21-6				00:46	30		00:32	20		0:39	10		00:53	40		00:58	30		00:58	40		1:05	-10
do	21-6			06:43		332	06:35		323	6:48		313	06:59		343	06:40		278	07:13		363	7:20		383
do	21-6				13:03	54		12:51	51		12:58	41		13:12	71		13:13	56		13:17	71		13:24	21
do	21-6			19:00		361	18:51		359	19:04		349	19:15		379	18:59		307	19:29		399	19:36		419
vr	22-6				01:43	30		01:32	30		1:39	20		01:53	50		01:58	40		01:58	50		2:05	0
vr	22-6			07:41		332	07:36		321	7:49		311	08:00		341	07:42		276	08:14		361	8:21		381
vr	22-6				14:04	55		13:55	57		14:02	47		14:16	77		14:17	59		14:21	77		14:28	27
vr	22-6			20:02		359	19:57		355	20:10		345	20:21		375	20:05		304	20:35		395	20:42		415
za	23-6				02:39	30		02:36	30		2:43	20		02:57	50		02:58	40		03:02	50		3:09	0
za	23-6			08:43		334	08:41		324	8:54		314	09:05		344	08:47		279	09:19		364	9:26		384
za	23-6				15:04	53		15:03	55		15:10	45		15:24	75		15:23	56		15:29	75		15:36	25
za	23-6			21:06		356	21:04		352	21:17		342	21:28		372	21:12		302	21:42		392	21:49		412
zo	24-6	4:31	NM		03:37	30		03:41	30		3:48	20		04:02	50		04:02	40		04:07	50		4:14	0
zo	24-6			09:50		339	09:46		331	9:59		321	10:10		351	09:51		286	10:24		371	10:31		391
zo	24-6				16:09	49		16:11	46		16:18	36		16:32	66		16:31	50		16:37	66		16:44	16
zo	24-6			22:13		353	22:10		349	22:23		339	22:34		369	22:17		299	22:48		389	22:55		409
ma	25-6				04:45	30		04:44	20		4:51	10		05:05	40		05:08	40		05:10	40		5:17	-10
ma	25-6			10:54		345	10:47		338	11:00		328	11:11		358	10:51		292	11:25		378	11:32		398
ma	25-6				17:26	41		17:16	35		17:23	25		17:37	55		17:39	42		17:42	55		17:49	5
ma	25-6			23:16		349	23:12		344	23:25		334	23:36		364	23:16		296	23:50		384		17:49	-50
di	26-6				05:54	30		05:43	20		5:50	10		06:04	40		06:05	30		06:09	40		23:57	404
di	26-6			11:47		349	11:40		342	11:53		332	12:04		362	11:42		297	12:18		382		6:16	-10
di	26-6				18:24	33		18:13	27		18:20	17		18:34	47		18:33	37		18:39	47		12:25	402
di	26-6			00:09		0	00:04		0	0:17		-10	00:28		0	00:06		0	00:42		0		18:46	-3
wo	27-6			00:09		345	00:04		339	0:17		329	00:28		359	00:06		293	00:42		379	0:49		399
wo	27-6				06:41	30		06:34	20		6:41	10		06:55	40		06:50	40		07:00	40		7:07	-10
wo	27-6			12:31		353	12:22		345	12:35		335	12:46		365	12:25		301	13:00		385	13:07		405
wo	27-6				19:08	32		19:00	25		19:07	20		19:21	45		19:15	39		19:26	45		19:33	-5

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"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			00:53		343	00:45		336	0:58		326	01:09		356	00:46		292	01:23		376	1:30		396
do	28-6				07:20	40		07:17	30		7:24	20		07:38	50		07:26	40		07:43	50		7:50	0
do	28-6			13:07		358	12:57		352	13:10		342	13:21		372	13:01		307	13:35		392	13:42		412
do	28-6				19:44	37		19:40	28		19:47	18		20:01	48		19:50	43		20:06	48		20:13	-2
vr	29-6			01:30		346	01:20		339	1:33		329	01:44		359	01:21		296	01:58		379	2:05		399
vr	29-6				07:52	40		07:54	30		8:01	20		08:15	50		07:58	50		08:20	50		8:27	0
vr	29-6			13:39		368	13:30		364	13:43		354	13:54		384	13:35		318	14:08		404	14:15		424
vr	29-6				20:16	43		20:15	30		20:22	20		20:36	50		20:22	47		20:41	50		20:48	0
za	30-6			02:04		354	01:53		348	2:06		338	02:17		368	01:57		304	02:31		388	2:38		408
za	30-6				08:23	40		08:28	30		8:35	20		08:49	50		08:30	50		08:54	50		9:01	0
za	30-6			14:13		381	14:06		378	14:19		368	14:30		398	14:11		329	14:44		418	14:51		438
za	30-6				20:47	48		20:51	33		20:58	346		21:12	53		20:56	51		21:17	53		21:24	3

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
zo	1-7	2:51	EK	02:40		363	02:29		356	2:42		346	02:53		376	02:35		311	03:07		396	3:14		416
zo	1-7				08:56	50		09:03	40		9:10	30		09:24	60		09:05	60		09:29	60		9:36	10
zo	1-7			14:49		390	14:43		386	14:56		376	15:07		406	14:49		336	15:21		426	15:28		446
zo	1-7				21:20	54		21:26	38		21:33	28		21:47	58		21:32	58		21:52	58		21:59	8
ma	2-7			03:17		366	03:06		356	3:19		346	03:30		376	03:15		313	03:44		396	3:51		416
ma	2-7				09:31	60		09:37	50		9:44	40		09:58	70		09:41	70		10:03	70		10:10	20
ma	2-7			15:26		392	15:20		385	15:33		375	15:44		405	15:28		337	15:58		425	16:05		445
ma	2-7				21:55	62		22:01	48		22:08	38		22:22	68		22:08	67		22:27	68		22:34	18
di	3-7			03:54		361	03:41		348	3:54		338	04:05		368	03:53		308	04:19		388	4:26		408
di	3-7				10:04	70		10:10	60		10:17	50		10:31	80		10:14	80		10:36	80		10:43	30
di	3-7			16:01		388	15:53		379	16:06		369	16:17		399	16:03		333	16:31		419	16:38		439
di	3-7				22:30	70		22:34	58		22:41	48		22:55	78		22:42	75		23:00	78		23:07	28
wo	4-7			04:28		352	04:15		337	4:28		327	04:39		357	04:29		299	04:53		377	5:00		397
wo	4-7				10:36	80		10:41	70		10:48	60		11:02	90		10:47	90		11:07	90		11:14	40
wo	4-7			16:34		382	16:26		372	16:39		362	16:50		392	16:36		326	17:04		412	17:11		432
wo	4-7				23:05	74		23:08	64		23:15	54		23:29	84		23:17	79		23:34	84		23:41	34
do	5-7			05:03		344	04:50		327	5:03		317	05:14		347	05:03		291	05:28		367	5:35		387
do	5-7				11:10	80		11:15	70		11:22	60		11:36	90		11:24	90		11:41	90		11:48	40
do	5-7			17:11		378	17:03		366	17:16		356	17:27		386	17:12		322	17:41		406	17:48		426
do	5-7				23:43	74		23:45	64		23:52	54		00:06	0		23:57	78		00:11	0		0:18	-50
vr	6-7			05:42		341	05:30		322	5:43		312	05:54		342	05:42		287	06:08		362	6:15		382
vr	6-7				11:52	80		11:55	70		12:02	60		12:16	96		12:08	80		12:21	96		12:28	46
vr	6-7			17:55		375	17:48		361	18:01		351	18:12		381	17:57		318	18:26		401	18:33		421
vr	6-7				00:29	0		00:30	0		0:37	-10		00:51	80		00:45	0		00:56	80		1:03	30
za	7-7			06:29		341	06:20		321	6:33		311	06:44		341	06:31		286	06:58		361	7:05		381
za	7-7				12:44	82		12:46	76		12:53	66		13:07	96		13:02	85		13:12	96		13:19	46
za	7-7			18:47		371	18:43		355	18:56		345	19:07		375	18:52		315	19:21		395	19:28		415
zo	8-7				01:22	60		01:27	60		1:34	50		01:48	80		01:41	70		01:53	80		2:00	30
zo	8-7			07:24		342	07:20		321	7:33		311	07:44		341	07:29		287	07:58		361	8:05		381
zo	8-7				13:42	81		13:48	77		13:55	67		14:09	97		14:03	83		14:14	97		14:21	47
zo	8-7			19:45		367	19:47		351	20:00		341	20:11		371	19:55		312	20:25		391	20:32		411
ma	9-7				02:22	60		02:34	60		2:41	50		02:55	80		02:45	70		03:00	80		3:07	30
ma	9-7	6:07	VM	08:28		344	08:28		325	8:41		315	08:52		345	08:36		290	09:06		365	9:13		385
ma	9-7				14:47	78		15:00	75		15:07	65		15:21	95		15:13	79		15:26	95		15:33	45
ma	9-7			20:54		363	20:56		351	21:09		341	21:20		371	21:04		311	21:34		391	21:41		411

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"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				03:32	60		03:45	50		3:52	40		04:06	70		03:56	60		04:11	70		4:18	20
di	10-7			09:44		348	09:37		334	9:50		324	10:01		354	09:46		296	10:15		374	10:22		394
di	10-7				16:05	71		16:15	63		16:22	53		16:36	83		16:29	70		16:41	83		16:48	33
di	10-7			22:12		363	22:06		355	22:19		345	22:30		375	22:13		313	22:44		395	22:51		415
wo	11-7				04:44	50		04:52	30		4:59	20		05:13	50		05:04	50		05:18	50		5:25	0
wo	11-7			10:55		356	10:42		346	10:55		336	11:06		366	10:49		304	11:20		386	11:27		406
wo	11-7				17:19	56		17:22	45		17:29	35		17:43	65		17:36	57		17:48	65		17:55	15
wo	11-7			23:22		366	23:11		360	23:24		350	23:35		380	23:16		315	23:49		400	23:56		-50
do	12-7				05:48	40		05:53	20		6:00	10		06:14	40		06:04	40		06:19	40		23:56	420
do	12-7			11:54		364	11:42		357	11:55		347	12:06		377	11:44		311	12:20		397		6:26	-10
do	12-7				18:22	40		18:23	27		18:30	17		18:44	47		18:36	42		18:49	47		12:27	417
do	12-7			00:23		0	00:13		0			-5	00:37		0	00:13		0	00:51		0		18:56	-3
vr	13-7			00:23		368	00:13		364	0:26		354	00:37		384	00:13		317	00:51		404	0:58		424
vr	13-7				06:47	30		06:51	10		6:58	0		07:12	30		07:01	40		07:17	30		7:24	-20
vr	13-7			12:47		370	12:38		365	12:51		355	13:02		385	12:36		317	13:16		405	13:23		425
vr	13-7				19:22	25		19:22	11		19:29	1		19:43	31		19:33	29		19:48	31		19:55	-19
za	14-7			01:19		368	01:12		364	1:25		354	01:36		384	01:08		316	01:50		404	1:57		424
za	14-7				07:44	20		07:47	10		7:54	0		08:08	30		07:55	30		08:13	30		8:20	-20
za	14-7			13:36		375	13:32		372	13:45		362	13:56		392	13:27		323	14:10		412	14:17		432
za	14-7				20:18	13		20:17	0		20:24	-10		20:38	19		20:29	18		20:43	19		20:50	-31
zo	15-7			02:11		366	02:08		363	2:21		353	02:32		383	02:01		314	02:46		403	2:53		423
zo	15-7				08:36	20		08:40	10		8:47	0		09:01	30		08:47	20		09:06	30		9:13	-20
zo	15-7			14:25		379	14:24		377	14:37		367	14:48		397	14:19		327	15:02		417	15:09		437
zo	15-7				21:10	6		21:09	0		21:16	-10		21:30	12		21:21	12		21:35	12		21:42	-38
ma	16-7			03:01		363	03:02		358	3:15		348	03:26		378	02:54		310	03:40		398	3:47		418
ma	16-7				09:25	20		09:29	10		9:36	0		09:50	30		09:36	20		09:55	30		10:02	-20
ma	16-7			15:13		383	15:13		381	15:26		371	15:37		401	15:11		329	15:51		421	15:58		441
ma	16-7	21:26	LK		21:59	7		21:58	0		22:05	-10		22:19	14		22:11	13		22:24	14		22:31	-36
di	17-7			03:50		358	03:52		352	4:05		342	04:16		372	03:45		305	04:30		392	4:37		412
di	17-7				10:12	20		10:15	10		10:22	0		10:36	30		10:24	30		10:41	30		10:48	-20
di	17-7			16:00		383	16:00		381	16:13		371	16:24		401	16:00		329	16:38		421	16:45		441
di	17-7				22:46	15		22:43	2		22:50	-8		23:04	22		22:59	21		23:09	22		23:16	-28
wo	18-7			04:39		352	04:37		344	4:50		334	05:01		364	04:33		298	05:15		384	5:22		404
wo	18-7				10:57	30		10:58	20		11:05	10		11:19	40		11:09	40		11:24	40		11:31	-10
wo	18-7			16:49		380	16:46		378	16:59		368	17:10		398	16:48		325	17:24		418	17:31		438
wo	18-7				23:32	27		23:26	15		23:33	5		23:47	35		23:45	32		23:52	35		#####	-50

getijden 2018				Wangerooge, West 53°46'35"N 7°52'05"E			Wangerooge, Langes Riff 53°48'23"N 7°55'45"E			Wangerooge, Ost 53°46'02"N 7°59'06"E			Minsener Oog, Buhne C 53°45'0.0"N, 8°1'59.9"E			Helgoland 54°10'44"N 7°53'24"E			Schillig 53°41'55"N 8°03'05"E			Hooksiel 53°38'31"N 8°04'55"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			05:26		347	05:22		336	5:35		326	05:46		356	05:21		291	06:00		376	#####		-20
do	19-7				11:44	40		11:41	30		11:48	20		12:02	50		11:55	40		12:07	50	6:07		396
do	19-7			17:39		374	17:32		372	17:45		362	17:56		392	17:35		319	18:10		412		12:14	3
do	19-7				00:18	0		00:11	0		0:18	-10		00:32	0		00:31	0		00:37	0	18:17		432
vr	20-7				00:18	30		00:11	20		0:18	10		00:32	40		00:31	40		00:37	40		0:44	-10
vr	20-7			06:15		341	06:08		329	6:21		319	06:32		349	06:10		285	06:46		369	6:53		389
vr	20-7				12:33	53		12:27	44		12:34	34		12:48	64		12:43	56		12:53	64		13:00	14
vr	20-7			18:31		366	18:24		361	18:37		351	18:48		381	18:27		311	19:02		401	19:09		421
za	21-7				01:07	40		01:00	30		1:07	20		01:21	50		01:21	50		01:26	50		1:33	0
za	21-7			07:06		337	07:01		324	7:14		314	07:25		344	07:04		281	07:39		364	7:46		384
za	21-7				13:28	58		13:20	54		13:27	44		13:41	74		13:39	62		13:46	74		13:53	24
za	21-7			19:27		356	19:23		349	19:36		339	19:47		369	19:27		301	20:01		389	20:08		409
zo	22-7				02:00	50		01:57	40		2:04	30		02:18	60		02:16	50		02:23	60		2:30	10
zo	22-7			08:01		335	08:00		321	8:13		311	08:24		341	08:05		280	08:38		361	8:45		381
zo	22-7				14:26	60		14:24	60		14:31	50		14:45	80		14:42	64		14:50	80		14:57	30
zo	22-7			20:28		347	20:28		337	20:41		327	20:52		357	20:34		292	21:06		377	21:13		397
ma	23-7				02:56	50		03:01	50		3:08	40		03:22	70		03:18	50		03:27	70		3:34	20
ma	23-7			09:05		335	09:05		323	9:18		313	09:29		343	09:10		283	09:43		363	9:50		383
ma	23-7	11:45	NM		15:29	60		15:33	58		15:40	48		15:54	78		15:52	61		15:59	78		16:06	28
ma	23-7			21:38		340	21:37		332	21:50		322	22:01		352	21:44		288	22:15		372	22:22		392
di	24-7				03:59	50		04:08	50		4:15	40		04:29	70		04:27	50		04:34	70		4:41	20
di	24-7			10:18		341	10:11		332	10:24		322	10:35		352	10:18		290	10:49		372	10:56		392
di	24-7				16:50	56		16:44	49		16:51	39		17:05	69		17:07	56		17:10	69		17:17	19
di	24-7			22:51		341	22:45		334	22:58		324	23:09		354	22:51		289	23:23		374	23:30		394
wo	25-7				05:18	50		05:13	40		5:20	30		05:34	60		05:35	50		05:39	60		5:46	10
wo	25-7			11:20		352	11:11		345	11:24		335	11:35		365	11:18		300	11:49		385	11:56		405
wo	25-7				17:58	48		17:47	39		17:54	29		18:08	59		18:09	51		18:13	59		18:20	9
wo	25-7			23:50		346	23:42		339	23:55		329	00:06		0	23:47		293	00:20		0	0:27		-50
do	26-7				06:15	50		06:09	40		6:16	30		00:06	359		06:26	50		00:20	379	0:27		399
do	26-7			12:08		363	11:59		356	12:12		346		06:30	60	12:06		310		06:35	60		6:42	10
do	26-7				18:45	47		18:39	36		18:46	26		12:23	376		18:55	53		12:37	396	12:44		416
do	26-7			00:35		0	00:27		0	0:40		-10		19:00	56	00:30		0		19:05	56		19:12	6
vr	27-7			00:35		350	00:27		343	0:40		333	00:51		363	00:30		297	01:05		383	1:12		403
vr	27-7				06:57	50		06:56	40		7:03	30		07:17	60		07:06	60		07:22	60		7:29	10
vr	27-7			12:46		372	12:39		367	12:52		357	13:03		387	12:44		320	13:17		407	13:24		427
vr	27-7				19:23	52		19:22	39		19:29	34		19:43	59		19:32	59		19:48	59		19:55	9

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"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			01:12		355	01:03		348	1:16		338	01:27		368	01:06		304	01:41		388	1:48		408
za	28-7				07:33	50		07:36	40		7:43	30		07:57	60		07:40	60		08:02	60		8:09	10
za	28-7			13:19		382	13:15		378	13:28		368	13:39		398	13:18		330	13:53		418	14:00		438
za	28-7				19:57	57		20:00	43		20:07	33		20:21	63		20:06	63		20:26	63		20:33	13
zo	29-7			01:45		362	01:37		354	1:50		344	02:01		374	01:39		312	02:15		394	2:22		414
zo	29-7				08:06	60		08:12	40		8:19	30		08:33	60		08:13	60		08:38	60		8:45	10
zo	29-7			13:54		392	13:50		388	14:03		378	14:14		408	13:53		340	14:28		428	14:35		448
zo	29-7				20:30	59		20:36	44		20:43	34		20:57	64		20:40	64		21:02	64		21:09	14
ma	30-7			02:20		369	02:11		359	2:24		349	02:35		379	02:15		318	02:49		399	2:56		419
ma	30-7				08:39	60		08:46	50		8:53	40		09:07	70		08:47	60		09:12	70		9:19	20
ma	30-7	17:23	EK	14:29		398	14:25		393	14:38		383	14:49		413	14:29		345	15:03		433	15:10		453
ma	30-7				21:03	59		21:10	44		21:17	34		21:31	64		21:14	64		21:36	64		21:43	14
di	31-7			02:56		370	02:47		359	3:00		349	03:11		379	02:53		318	03:25		399	3:32		419
di	31-7				09:12	60		09:20	50		9:27	40		09:41	70		09:21	70		09:46	70		9:53	20
di	31-7			15:05		398	14:59		392	15:12		382	15:23		412	15:06		344	15:37		432	15:44		452
di	31-7				21:37	60		21:44	45		21:51	35		22:05	65		21:48	66		22:10	65		22:17	15

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
wo	1-8			03:31		365	03:21		353	3:34		343	03:45		373	03:30		313	03:59		393	4:06		413
wo	1-8				09:44	60		09:52	50		9:59	40		10:13	70		09:54	70		10:18	70		10:25	20
wo	1-8			15:37		392	15:31		385	15:44		375	15:55		405	15:41		337	16:09		425	16:16		445
wo	1-8				22:09	62		22:16	50		22:23	40		22:37	70		22:20	68		22:42	70		22:49	20
do	2-8			04:04		357	03:52		343	4:05		333	04:16		363	04:04		304	04:30		383	4:37		403
do	2-8				10:15	70		10:23	60		10:30	50		10:44	80		10:26	70		10:49	80		10:56	30
do	2-8			16:09		386	16:02		377	16:15		367	16:26		397	16:13		330	16:40		417	16:47		437
do	2-8				22:40	65		22:46	54		22:53	44		23:07	74		22:52	70		23:12	74		23:19	24
vr	3-8			04:35		351	04:24		335	4:37		325	04:48		355	04:35		297	05:02		375	5:09		395
vr	3-8				10:46	70		10:53	60		11:00	50		11:14	80		10:59	70		11:19	80		11:26	30
vr	3-8			16:44		382	16:37		372	16:50		362	17:01		392	16:44		325	17:15		412	17:22		432
vr	3-8				23:14	67		23:19	56		23:26	46		23:40	76		23:27	70		23:45	76		23:52	26
za	4-8			05:11		349	04:59		331	5:12		321	05:23		351	05:08		294	05:37		371	5:44		391
za	4-8				11:24	70		11:29	60		11:36	50		11:50	80		11:38	70		11:55	80		12:02	30
za	4-8			17:25		379	17:16		366	17:29		356	17:40		386	17:22		323	17:54		406	18:01		426
za	4-8				23:55	70		23:58	59		0:05	49		00:19	0		00:09	0		00:24	0		0:31	-50
zo	5-8			05:54		349	05:41		328	5:54		318	06:05		348	05:51		294	06:19		368	6:26		388
zo	5-8				12:10	70		12:12	60		12:19	50		12:33	86		12:26	79		12:38	86		12:45	36
zo	5-8				00:44	0		00:46	0		0:53	-10		18:28	379		18:12	320		18:42	399		18:49	419
ma	6-8				00:44	70		00:46	60		0:53	50		01:07	80		01:01	70		01:12	80		1:19	30
ma	6-8			06:45		349	06:33		325	6:46		315	06:57		345	06:44		294	07:11		365	7:18		385
ma	6-8				13:05	83		13:06	75		13:13	65		13:27	95		13:23	84		13:32	95		13:39	45
ma	6-8			19:09		368	19:05		349	19:18		339	19:29		369	19:12		315	19:43		389	19:50		409
di	7-8				01:43	80		01:48	70		1:55	60		02:09	90		02:02	80		02:14	90		2:21	40
di	7-8			07:46		347	07:40		323	7:53		313	08:04		343	07:49		294	08:18		363	8:25		383
di	7-8				14:10	87		14:16	84		14:23	74		14:37	104		14:33	88		14:42	104		14:49	54
di	7-8	20:11 VM		20:16		361	20:17		343	20:30		333	20:41		363	20:23		309	20:55		383	21:02		403
wo	8-8				02:54	80		03:05	70		3:12	60		03:26	90		03:17	80		03:31	90		3:38	40
wo	8-8			09:01		348	08:58		328	9:11		318	09:22		348	09:05		297	09:36		368	9:43		388
wo	8-8				15:32	81		15:40	79		15:47	69		16:01	99		15:56	82		16:06	99		16:13	49
wo	8-8			21:42		358	21:37		345	21:50		335	22:01		365	21:43		308	22:15		385	22:22		405
do	9-8				04:15	70		04:23	60		4:30	50		04:44	80		04:36	70		04:49	80		4:56	30
do	9-8			10:26		357	10:15		342	10:28		332	10:39		362	10:21		305	10:53		382	11:00		402
do	9-8				16:56	64		16:59	58		17:06	48		17:20	78		17:14	66		17:25	78		17:32	28
do	9-8			23:05		363	22:53		354	23:06		344	23:17		374	22:58		312	23:31		394	23:38		-50

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E											
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm				
vr	10-8				05:26	50		05:33	40		5:40	30		05:54	60		05:44	60		05:59	60		23:38		414
vr	10-8			11:34		369	11:23		359	11:36		349	11:47		379	11:27		315	12:01		399			6:06	10
vr	10-8				18:06	45		18:09	34		18:16	24		18:30	54		18:21	48		18:35	54		12:08		419
vr	10-8			00:11		0	00:01		0	0:14		-10	00:25		0	00:02		0	00:39		0			18:42	4
za	11-8			00:11		369	00:01		363	0:14		353	00:25		383	00:02		317	00:39		403	0:46			423
za	11-8				06:32	40		06:38	30		6:45	20		06:59	50		06:46	50		07:04	50			7:11	0
za	11-8			12:31		379	12:24		373	12:37		363	12:48		393	12:25		324	13:02		413	13:09			433
za	11-8				19:12	28		19:13	15		19:20	10		19:34	35		19:23	33		19:39	35		19:46		-15
zo	12-8			01:07		373	01:02		368	1:15		358	01:26		388	00:59		319	01:40		408	1:47			428
zo	12-8				07:32	30		07:37	10		7:44	0		07:58	30		07:43	40		08:03	30			8:10	-20
zo	12-8			13:23		386	13:20		383	13:33		373	13:44		403	13:18		331	13:58		423	14:05			443
zo	12-8				20:08	16		20:10	3		20:17	-7		20:31	23		20:19	24		20:36	23		20:43		-27
ma	13-8			01:59		373	01:58		368	2:11		358	02:22		388	01:50		318	02:36		408	2:43			428
ma	13-8				08:25	30		08:30	10		8:37	0		08:51	30		08:35	30		08:56	30			9:03	-20
ma	13-8			14:11		392	14:12		389	14:25		379	14:36		409	14:08		336	14:50		429	14:57			449
ma	13-8				20:58	12		21:00	0		21:07	-10		21:21	20		21:09	21		21:26	20		21:33		-30
di	14-8			02:47		371	02:50		364	3:03		354	03:14		384	02:39		315	03:28		404	3:35			424
di	14-8				09:12	20		09:17	10		9:24	0		09:38	30		09:23	30		09:43	30			9:50	-20
di	14-8			14:58		394	15:00		391	15:13		381	15:24		411	14:55		338	15:38		431	15:45			451
di	14-8				21:43	17		21:45	4		21:52	-6		22:06	24		21:56	26		22:11	24		22:18		-26
wo	15-8	3:15	LK	03:32		367	03:35		357	3:48		347	03:59		377	03:25		311	04:13		397	4:20			417
wo	15-8				09:56	30		10:00	20		10:07	10		10:21	40		10:07	30		10:26	40			10:33	-10
wo	15-8			15:42		393	15:43		387	15:56		377	16:07		407	15:40		336	16:21		427	16:28			447
wo	15-8				22:25	27		22:25	14		22:32	4		22:46	34		22:38	35		22:51	34		22:58		-16
do	16-8			04:15		362	04:16		348	4:29		338	04:40		368	04:08		305	04:54		388	5:01			408
do	16-8				10:36	40		10:38	20		10:45	10		10:59	40		10:48	40		11:04	40			11:11	-10
do	16-8			16:25		387	16:23		380	16:36		370	16:47		400	16:22		330	17:01		420	17:08			440
do	16-8				23:04	40		23:02	26		23:09	16		23:23	46		23:17	47		23:28	46		23:35		-4
vr	17-8			04:57		356	04:52		341	5:05		331	05:16		361	04:50		299	05:30		381	5:37			401
vr	17-8				11:14	50		11:15	30		11:22	20		11:36	50		11:27	50		11:41	50			11:48	0
vr	17-8			17:10		377	17:03		368	17:16		358	17:27		388	17:03		320	17:41		408	17:48			428
vr	17-8				23:42	52		23:39	39		23:46	29		00:00	0		23:54	57		00:05	0			0:12	-50
za	18-8			05:39		349	05:31		334	5:44		324	00:00		50	05:31		293	00:05		50			0:12	0
za	18-8				11:54	50		11:54	40		12:01	30	05:55		354		12:07	60	06:09		374	6:16			394
za	18-8			17:56		364	17:47		353	18:00		343		12:15	68	17:47		308		12:20	68		12:27		18
za	18-8				00:23	0		00:20	0		0:27	-10	18:11		373		00:36	0	18:25		393	18:32			413

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
zo	19-8				00:23	60		00:20	50		0:27	40		00:41	70		00:36	60		00:46	70		0:53	20
zo	19-8			06:24		343	06:16		327	6:29		317	06:40		347	06:19		288	06:54		367	7:01		387
zo	19-8				12:42	68		12:39	60		12:46	50		13:00	80		12:55	71		13:05	80		13:12	30
zo	19-8			18:47		349	18:39		336	18:52		326	19:03		356	18:42		295	19:17		376	19:24		396
ma	20-8				01:13	70		01:09	60		1:16	50		01:30	80		01:27	70		01:35	80		1:42	30
ma	20-8			07:16		338	07:10		321	7:23		311	07:34		341	07:18		284	07:48		361	7:55		381
ma	20-8				13:42	77		13:37	76		13:44	66		13:58	96		13:57	79		14:03	96		14:10	46
ma	20-8			19:46		338	19:42		321	19:55		311	20:06		341	19:51		284	20:20		361	20:27		381
di	21-8				02:13	80		02:12	80		2:19	70		02:33	100		02:31	80		02:38	100		2:45	50
di	21-8			08:16		337	08:16		319	8:29		309	08:40		339	08:27		285	08:54		359	9:01		379
di	21-8				14:48	82		14:49	85		14:56	75		15:10	105		15:10	84		15:15	105		15:22	55
di	21-8	20:30	NM	20:55		333	20:56		317	21:09		307	21:20		337	21:06		281	21:34		357	21:41		377
wo	22-8				03:18	80		03:27	80		3:34	70		03:48	100		03:45	80		03:53	100		4:00	50
wo	22-8			09:32		344	09:30		330	9:43		320	09:54		350	09:41		294	10:08		370	10:15		390
wo	22-8				16:08	82		16:08	81		16:15	71		16:29	101		16:33	82		16:34	101		16:41	51
wo	22-8			22:22		339	22:12		327	22:25		317	22:36		347	22:23		287	22:50		367	22:57		387
do	23-8				04:41	80		04:42	80		4:49	70		05:03	100		05:03	80		05:08	100		5:15	50
do	23-8			10:49		361	10:40		351	10:53		341	11:04		371	10:51		310	11:18		391	11:25		411
do	23-8				17:30	74		17:19	68		17:26	58		17:40	88		17:42	76		17:45	88		17:52	38
do	23-8			23:27		352	23:16		342	23:29		332	23:40		362	23:26		298	23:54		382	0:01		-50
vr	24-8				05:47	70		05:44	60		5:51	50		06:05	80		06:00	80		06:10	80		0:01	402
vr	24-8			11:42		379	11:35		373	11:48		363	11:59		393	11:45		325	12:13		413		6:17	30
vr	24-8				18:20	69		18:16	56		18:23	46		18:37	76		18:32	74		18:42	76	12:20		433
vr	24-8			00:13		0	00:04		0	0:17		-10	00:28		0	00:11		0	00:42		0		18:49	26
za	25-8			00:13		362	00:04		353	0:17		343	00:28		373	00:11		307	00:42		393	0:49		413
za	25-8				06:32	70		06:34	50		6:41	40		06:55	70		06:44	80		07:00	70		7:07	20
za	25-8			12:22		390	12:19		387	12:32		377	12:43		407	12:25		336	12:57		427	13:04		447
za	25-8				18:59	68		19:02	52		19:09	47		19:23	72		19:11	75		19:28	72		19:35	22
zo	26-8			00:49		367	00:43		358	0:56		348	01:07		378	00:47		313	01:21		398	1:28		418
zo	26-8				07:10	70		07:16	50		7:23	40		07:37	70		07:20	80		07:42	70		7:49	20
zo	26-8			12:57		397	12:56		395	13:09		385	13:20		415	12:59		343	13:34		435	13:41		455
zo	26-8				19:35	68		19:41	51		19:48	41		20:02	71		19:46	74		20:07	71		20:14	21
ma	27-8			01:23		370	01:17		361	1:30		351	01:41		381	01:19		318	01:55		401	2:02		421
ma	27-8				07:44	60		07:52	50		7:59	40		08:13	70		07:54	70		08:18	70		8:25	20
ma	27-8			13:31		401	13:30		398	13:43		388	13:54		418	13:32		347	14:08		438	14:15		458
ma	27-8				20:08	64		20:16	48		20:23	38		20:37	68		20:19	70		20:42	68		20:49	18

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
dag	datum	tijd	fase	53°46'35"N 7°52'05"E			53°48'23"N 7°55'45"E			53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"E		
				HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
di	28-8			01:57		373	01:50		363	2:03		353	02:14		383	01:53		321	02:28		403	2:35		423
di	28-8				08:18	60		08:26	50		8:33	40		08:47	70		08:27	70		08:52	70		8:59	20
di	28-8			14:07		402	14:03		399	14:16		389	14:27		419	14:07		348	14:41		439	14:48		459
di	28-8				20:42	59		20:49	43		20:56	33		21:10	63		20:53	65		21:15	63		21:22	13
wo	29-8			02:33		372	02:24		363	2:37		353	02:48		383	02:28		320	03:02		403	3:09		423
wo	29-8				08:51	60		08:59	40		9:06	30		09:20	60		09:00	60		09:25	60		9:32	10
wo	29-8			14:41		399	14:36		396	14:49		386	15:00		416	14:42		346	15:14		436	15:21		456
wo	29-8				21:15	56		21:22	39		21:29	29		21:43	59		21:25	62		21:48	59		21:55	9
do	30-8			03:07		369	02:57		359	3:10		349	03:21		379	03:03		316	03:35		399	3:42		419
do	30-8	10:13	EK		09:23	60		09:31	40		9:38	30		09:52	60		09:32	60		09:57	60		10:04	10
do	30-8			15:13		394	15:07		391	15:20		381	15:31		411	15:16		340	15:45		431	15:52		451
do	30-8				21:46	58		21:53	41		22:00	31		22:14	61		21:56	63		22:19	61		22:26	11
vr	31-8			03:38		364	03:27		352	3:40		342	03:51		372	03:37		310	04:05		392	4:12		412
vr	31-8				09:53	60		10:01	50		10:08	40		10:22	70		10:04	60		10:27	70		10:34	20
vr	31-8			15:44		390	15:38		385	15:51		375	16:02		405	15:48		334	16:16		425	16:23		445
vr	31-8				22:16	63		22:23	48		22:30	38		22:44	68		22:27	66		22:49	68		22:56	18

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"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			04:08		360	03:57		347	4:10		337	04:21		367	04:07		305	04:35		387	4:42		407
za	1-9				10:23	60		10:31	50		10:38	40		10:52	70		10:36	70		10:57	70		11:04	20
za	1-9			16:19		386	16:12		378	16:25		368	16:36		398	16:20		330	16:50		418	16:57		438
za	1-9				22:47	69		22:54	56		23:01	46		23:15	76		23:00	71		23:20	76		23:27	26
zo	2-9			04:42		359	04:31		343	4:44		333	04:55		363	04:39		304	05:09		383	5:16		403
zo	2-9				10:58	70		11:04	60		11:11	50		11:25	80		11:13	70		11:30	80		11:37	30
zo	2-9			16:59		381	16:50		370	17:03		360	17:14		390	16:56		326	17:28		410	17:35		430
zo	2-9				23:24	78		23:29	64		23:36	54		23:50	84		23:40	78		23:55	84		0:02	-50
ma	3-9			05:24		358	05:10		339	5:23		329	05:34		359	05:18		303	05:48		379		0:02	30
ma	3-9				11:41	80		11:45	60		11:52	50		12:06	80		11:57	80		12:11	80		5:55	399
ma	3-9			17:47		373	17:35		358	17:48		348	17:59		378	17:42		320	18:13		398		12:18	37
ma	3-9				00:11	0		00:13	0		0:20	-10		00:34	0		00:28	0		00:39	0		18:20	418
di	4-9				00:11	80		00:13	70		0:20	60		00:34	90		00:28	80		00:39	90		0:46	40
di	4-9			06:14		355	06:00		333	6:13		323	06:24		353	06:10		301	06:38		373	6:45		393
di	4-9				12:35	90		12:36	81		12:43	71		12:57	101		12:54	90		13:02	101		13:09	51
di	4-9			18:43		362	18:34		342	18:47		332	18:58		362	18:43		310	19:12		382	19:19		402
wo	5-9				01:10	90		01:12	90		1:19	80		01:33	110		01:30	90		01:38	110		1:45	60
wo	5-9			07:15		350	07:07		325	7:20		315	07:31		345	07:17		297	07:45		365	7:52		385
wo	5-9				13:43	96		13:45	95		13:52	85		14:06	115		14:06	96		14:11	115		14:18	65
wo	5-9			19:54		351	19:53		331	20:06		321	20:17		351	19:59		301	20:31		371	20:38		391
do	6-9				02:27	90		02:33	100		2:40	90		02:54	120		02:50	100		02:59	120		3:06	70
do	6-9	9:03 VM		08:35		348	08:34		327	8:47		317	08:58		347	08:40		298	09:12		367	9:19		387
do	6-9				15:17	90		15:17	93		15:24	83		15:38	113		15:41	89		15:43	113		15:50	63
do	6-9			21:31		351	21:22		335	21:35		325	21:46		355	21:32		301	22:00		375	22:07		395
vr	7-9				03:59	80		04:03	80		4:10	70		04:24	100		04:19	90		04:29	100		4:36	50
vr	7-9			10:09		360	09:58		344	10:11		334	10:22		364	10:07		308	10:36		384	10:43		404
vr	7-9				16:43	69		16:45	68		16:52	58		17:06	88		17:02	70		17:11	88		17:18	38
vr	7-9			22:54		362	22:42		351	22:55		341	23:06		371	22:51		310	23:20		391	23:27		411
za	8-9				05:12	70		05:19	60		5:26	50		05:40	80		05:31	70		05:45	80		5:52	30
za	8-9			11:18		377	11:09		367	11:22		357	11:33		387	11:17		322	11:47		407	11:54		427
za	8-9				17:56	49		17:58	39		18:05	29		18:19	59		18:11	52		18:24	59		18:31	9
za	8-9			23:58		374	23:51		367	0:04		357	00:15		0	23:54		320	00:29		0	0:36		-50
zo	9-9				06:20	50		06:26	40		6:33	30		00:15	387		06:34	50		00:29	407		0:36	427
zo	9-9			12:15		391	12:11		386	12:24		376		06:47	60	12:15		334		06:52	60		6:59	10
zo	9-9				19:00	33		19:02	19		19:09	9		12:35	406		19:12	39		12:49	426		12:56	446
zo	9-9			00:53		0	00:50		0	1:03		-10		19:23	39	00:47		0		19:28	39		19:35	-11

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"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			00:53		381	00:50		374	1:03		364	01:14		394	00:47		325	01:28		414	1:35		434
ma	10-9				07:20	40		07:24	20		7:31	10		07:45	40		07:30	40		07:50	40		7:57	-10
ma	10-9			13:06		399	13:05		396	13:18		386	13:29		416	13:05		342	13:43		436	13:50		456
ma	10-9				19:53	26		19:55	12		20:02	7		20:16	32		20:04	34		20:21	32		20:28	-18
di	11-9			01:42		382	01:42		373	1:55		363	02:06		393	01:34		325	02:20		413	2:27		433
di	11-9				08:10	30		08:14	20		8:21	10		08:35	40		08:19	40		08:40	40		8:47	-10
di	11-9			13:53		402	13:54		398	14:07		388	14:18		418	13:51		345	14:32		438	14:39		458
di	11-9				20:39	26		20:42	14		20:49	4		21:03	34		20:51	36		21:08	34		21:15	-16
wo	12-9			02:27		379	02:29		367	2:42		357	02:53		387	02:18		323	03:07		407	3:14		427
wo	12-9				08:54	30		08:58	20		9:05	10		09:19	40		09:03	40		09:24	40		9:31	-10
wo	12-9			14:37		401	14:39		394	14:52		384	15:03		414	14:34		344	15:17		434	15:24		454
wo	12-9				21:21	33		21:23	22		21:30	12		21:44	42		21:32	42		21:49	42		21:56	-8
do	13-9			03:08		375	03:10		359	3:23		349	03:34		379	02:59		319	03:48		399	3:55		419
do	13-9	8:25	LK		09:34	40		09:36	30		9:43	20		09:57	50		09:44	40		10:02	50		10:09	0
do	13-9			15:17		395	15:18		385	15:31		375	15:42		405	15:14		338	15:56		425	16:03		445
do	13-9				21:58	44		21:58	32		22:05	22		22:19	52		22:09	51		22:24	52		22:31	2
vr	14-9			03:46		370	03:44		352	3:57		342	04:08		372	03:38		314	04:22		392	4:29		412
vr	14-9				10:09	50		10:10	30		10:17	20		10:31	50		10:21	50		10:36	50		10:43	0
vr	14-9			15:57		385	15:53		373	16:06		363	16:17		393	15:52		329	16:31		413	16:38		433
vr	14-9				22:30	55		22:30	41		22:37	31		22:51	61		22:42	60		22:56	61		23:03	11
za	15-9			04:22		364	04:14		347	4:27		337	04:38		367	04:14		309	04:52		387	4:59		407
za	15-9				10:40	50		10:43	40		10:50	30		11:04	60		10:54	60		11:09	60		11:16	10
za	15-9			16:36		373	16:27		359	16:40		349	16:51		379	16:28		317	17:05		399	17:12		419
za	15-9				22:58	65		23:02	52		23:09	42		23:23	72		23:13	70		23:28	72		23:35	22
zo	16-9			04:59		359	04:47		343	5:00		333	05:11		363	04:50		304	05:25		383	5:32		403
zo	16-9				11:11	60		11:18	50		11:25	40		11:39	70		11:29	70		11:44	70		11:51	20
zo	16-9			17:18		359	17:05		344	17:18		334	17:29		364	17:07		305	17:43		384	17:50		404
zo	16-9				23:31	78		23:36	68		23:43	58		23:57	88		23:48	81		00:02	0		0:09	-50
ma	17-9			05:40		353	05:27		336	5:40		326	05:51		356	05:32		299	00:02		80		0:09	30
ma	17-9				11:52	80		11:57	70		12:04	60		12:18	90		12:11	80		06:05	376		6:12	396
ma	17-9			18:05		345	17:50		327	18:03		317	18:14		347	17:56		293		12:23	92		12:30	42
ma	17-9				00:17	0		00:17	0		0:24	-10		00:38	0		00:34	0		18:28	367		18:35	387
di	18-9				00:17	90		00:17	90		0:24	80		00:38	110		00:34	90		00:43	110		0:50	60
di	18-9			06:28		349	06:16		328	6:29		318	06:40		348	06:27		295	06:54		368	7:01		388
di	18-9				12:49	97		12:46	95		12:53	85		13:07	115		13:07	99		13:12	115		13:19	65
di	18-9			19:02		336	18:49		312	19:02		302	19:13		332	19:01		282	19:27		352	19:34		372

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
wo	19-9				01:19	110		01:13	110		1:20	100		01:34	130		01:36	110		01:39	130		1:46	80
wo	19-9			07:28		347	07:20		322	7:33		312	07:44		342	07:37		294	07:58		362	8:05		382
wo	19-9				14:00	111		13:54	118		14:01	108		14:15	138		14:21	113		14:20	138		14:27	88
wo	19-9			20:08		333	20:03		306	20:16		296	20:27		326	20:20		280	20:41		346	20:48		366
do	20-9				02:32	120		02:32	130		2:39	120		02:53	150		02:54	120		02:58	150		3:05	100
do	20-9	7:30	NM	08:38		354	08:40		329	8:53		319	09:04		349	08:54		302	09:18		369	9:25		389
do	20-9				15:21	114		15:23	124		15:30	114		15:44	144		15:48	115		15:49	144		15:56	94
do	20-9			21:32		340	21:28		315	21:41		305	21:52		335	21:42		288	22:06		355	22:13		375
vr	21-9				03:56	120		04:01	120		4:08	110		04:22	140		04:21	120		04:27	140		4:34	90
vr	21-9			10:03		370	10:00		352	10:13		342	10:24		372	10:11		319	10:38		392	10:45		412
vr	21-9				16:53	104		16:45	106		16:52	96		17:06	126		17:07	106		17:11	126		17:18	76
vr	21-9			22:53		355	22:41		337	22:54		327	23:05		357	22:53		302	23:19		377	23:26		397
za	22-9				05:12	100		05:11	100		5:18	90		05:32	120		05:27	110		05:37	120		5:44	70
za	22-9			11:05		389	11:02		378	11:15		368	11:26		398	11:11		335	11:40		418	11:47		438
za	22-9				17:47	91		17:46	83		17:53	73		18:07	103		18:01	94		18:12	103		18:19	53
za	22-9			23:41		367	23:34		354	23:47		344	23:58		374	23:42		313	00:12		0	0:19		-50
zo	23-9				06:01	90		06:04	80		6:11	70		06:25	100		06:14	100		00:12	394	0:19		414
zo	23-9			11:49		400	11:49		393	12:02		383	12:13		413	11:56		345	06:30		100	6:37		50
zo	23-9				18:28	81		18:33	67		18:40	57		18:54	87		18:42	86	12:27		433	12:34		453
zo	23-9			00:19		0	00:15		0	0:28		-10	00:39		0	00:20		0	18:59		87	19:06		37
ma	24-9			00:19		373	00:15		361	0:28		351	00:39		381	00:20		319	00:53		401	1:00		421
ma	24-9				06:41	80		06:47	70		6:54	60		07:08	90		06:53	90		07:13	90		7:20	40
ma	24-9			12:28		403	12:28		398	12:41		388	12:52		418	12:33		348	13:06		438	13:13		458
ma	24-9				19:05	72		19:12	59		19:19	54		19:33	79		19:18	79		19:38	79		19:45	29
di	25-9			00:54		375	00:49		363	1:02		353	01:13		383	00:53		321	01:27		403	1:34		423
di	25-9				07:17	70		07:24	60		7:31	50		07:45	80		07:28	80		07:50	80		7:57	30
di	25-9			13:04		402	13:02		397	13:15		387	13:26		417	13:06		347	13:40		437	13:47		457
di	25-9				19:41	64		19:47	52		19:54	42		20:08	72		19:52	71		20:13	72		20:20	22
wo	26-9			01:30		375	01:23		363	1:36		353	01:47		383	01:26		322	02:01		403	2:08		423
wo	26-9				07:53	60		07:59	50		8:06	40		08:20	70		08:02	70		08:25	70		8:32	20
wo	26-9			13:41		399	13:35		395	13:48		385	13:59		415	13:39		345	14:13		435	14:20		455
wo	26-9				20:15	57		20:21	45		20:28	35		20:42	65		20:26	65		20:47	65		20:54	15
do	27-9			02:06		375	01:56		364	2:09		354	02:20		384	01:59		322	02:34		404	2:41		424
do	27-9				08:28	60		08:32	40		8:39	30		08:53	60		08:36	60		08:58	60		9:05	10
do	27-9			14:16		397	14:08		393	14:21		383	14:32		413	14:13		343	14:46		433	14:53		453
do	27-9				20:49	55		20:54	40		21:01	30		21:15	60		20:59	62		21:20	60		23:59	10

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
dag	datum	tijd	fase	53°46'35"N 7°52'05"E			53°48'23"N 7°55'45"E			53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"E		
maand				HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
vr	28-9	4:53	EK	02:40		374	02:28		363	2:41		353	02:52		383	02:32		320	03:06		403	3:13	23:59	423
vr	28-9				09:00	60		09:05	40		9:12	30		09:26	60		09:09	60		09:31	60		9:38	10
vr	28-9			14:49		394	14:41		390	14:54		380	15:05		410	14:47		340	15:19		430	15:26		450
vr	28-9				21:21	58		21:26	41		21:33	31		21:47	61		21:31	64		21:52	61		21:59	11
za	29-9			03:11		373	03:00		361	3:13		351	03:24		381	03:06		318	03:38		401	3:45		421
za	29-9				09:31	60		09:38	40		9:45	30		09:59	60		09:42	60		10:04	60		10:11	10
za	29-9			15:22		390	15:15		386	15:28		376	15:39		406	15:22		335	15:53		426	16:00		446
za	29-9				21:51	65		21:58	49		22:05	39		22:19	69		22:03	69		22:24	69		22:31	19
zo	30-9			03:42		372	03:32		358	3:45		348	03:56		378	03:40		316	04:10		398	4:17		418
zo	30-9				10:02	60		10:10	50		10:17	40		10:31	70		10:15	70		10:36	70		10:43	20
zo	30-9			15:58		385	15:50		377	16:03		367	16:14		397	15:57		330	16:28		417	16:35		437
zo	30-9				22:22	75		22:30	60		22:37	50		22:51	80		22:36	77		22:56	80		23:03	30

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
ma	1-10			04:17		370	04:08		355	4:21		345	04:32		375	04:15		314	04:46		395	4:53		415
ma	1-10				10:37	70		10:45	60		10:52	50		11:06	80		10:53	70		11:11	80		11:18	30
ma	1-10			16:39		375	16:30		364	16:43		354	16:54		384	16:37		322	17:08		404	17:15		424
ma	1-10				22:59	85		23:06	72		23:13	62		23:27	92		23:15	87		23:32	92		23:39	42
di	2-10			05:00		366	04:49		349	5:02		339	05:13		369	04:56		311	05:27		389	5:34		409
di	2-10				11:21	80		11:26	70		11:33	60		11:47	90		11:39	80		11:52	90		11:59	40
di	2-10			17:28		362	17:18		347	17:31		337	17:42		367	17:26		310	17:56		387	18:03		407
di	2-10				23:46	98		23:50	88		23:57	78		00:11	0		00:04	0		00:16	0		0:23	-50
wo	3-10			05:51		359	05:41		339	5:54		329	06:05		359	05:48		305	06:19		379	6:26		399
wo	3-10				12:16	90		12:18	80		12:25	70		12:39	107		12:37	93		12:44	107		12:51	57
wo	3-10			18:28		347	18:22		327	18:35		317	18:46		347	18:29		297	19:00		367	19:07		387
wo	3-10				00:47	0		00:48	0		0:55	-10		18:46	347		18:29	297		19:00	367		19:07	387
do	4-10				00:47	100		00:48	100		0:55	90		01:09	120		01:09	110		01:14	120		1:21	70
do	4-10			06:56		350	06:51		328	7:04		318	07:15		348	06:58		298	07:29		368	7:36		388
do	4-10				13:30	99		13:29	102		13:36	92		13:50	122		13:57	98		13:55	122		14:02	72
do	4-10			19:54		339	19:48		317	20:01		307	20:12		337	19:56		289	20:26		357	20:33		377
vr	5-10				02:16	110		02:14	110		2:21	100		02:35	130		02:40	110		02:40	130		2:47	80
vr	5-10			08:26		351	08:22		330	8:35		320	08:46		350	08:30		299	09:00		370	9:07		390
vr	5-10				15:18	88		15:07	98		15:14	88		15:28	118		15:36	88		15:33	118		15:40	68
vr	5-10	20:40	VM	21:28		347	21:17		328	21:30		318	21:41		348	21:31		295	21:55		368	22:02		388
za	6-10				03:49	90		03:50	100		3:57	90		04:11	120		04:09	90		04:16	120		4:23	70
za	6-10			09:54		366	09:46		350	9:59		340	10:10		370	09:58		312	10:24		390	10:31		410
za	6-10				16:33	68		16:34	69		16:41	59		16:55	89		16:53	69		17:00	89		17:07	39
za	6-10			22:43		364	22:34		350	22:47		340	22:58		370	22:44		309	23:12		390	23:19		410
zo	7-10				04:59	70		05:06	70		5:13	60		05:27	90		05:20	80		05:32	90		5:39	40
zo	7-10			11:01		384	10:56		376	11:09		366	11:20		396	11:06		328	11:34		416	11:41		436
zo	7-10				17:44	51		17:44	42		17:51	32		18:05	62		18:01	53		18:10	62		18:17	12
zo	7-10			23:43		378	23:40		369	23:53		359	00:04		0	23:44		321	00:18		0	0:25		-50
ma	8-10				06:07	60		06:11	40		6:18	30		00:04	389		06:22	60		00:18	409		0:25	429
ma	8-10			11:58		397	11:56		393	12:09		383	12:20		60	12:02		341	12:34		433	12:41		453
ma	8-10				18:45	40		18:45	25		18:52	15		12:20	413		18:58	45		12:34	433		12:41	453
ma	8-10			00:36		0	00:35		0	0:48		-10		19:06	45		00:33	0		19:11	45		19:18	-5
di	9-10			00:36		385	00:35		377	0:48		367	00:59		397	00:33		328	01:13		417	1:20		437
di	9-10				07:04	50		07:07	30		7:14	20		07:28	50		07:15	50		07:33	50		7:40	0
di	9-10			12:48		402	12:48		399	13:01		389	13:12		419	12:49		346	13:26		439	13:33		459
di	9-10				19:35	37		19:35	22		19:42	12		19:56	42		19:46	45		20:01	42		20:08	-8

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"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			01:22		385	01:23		375	1:36		365	01:47		395	01:16		329	02:01		415	2:08		435	
wo	10-10				07:52	40		07:54	30		8:01	20		08:15	50		08:01	50		08:20	50		8:27	0	
wo	10-10			13:33		400	13:34		395	13:47		385	13:58		415	13:32		345	14:12		435	14:19		455	
wo	10-10				20:18	40		20:19	27		20:26	22		20:40	47		20:28	49		20:45	47		20:52	-3	
do	11-10			02:04		382	02:05		369	2:18		359	02:29		389	01:55		327	02:43		409	2:50		429	
do	11-10				08:34	40		08:35	30		8:42	20		08:56	50		08:42	50		09:01	50		9:08	0	
do	11-10			14:14		394	14:15		386	14:28		376	14:39		406	14:11		339	14:53		426	15:00		446	
do	11-10				20:56	47		20:57	35		21:04	25		21:18	55		21:04	54		21:23	55		21:30	5	
vr	12-10			02:41		378	02:39		363	2:52		353	03:03		383	02:33		325	03:17		403	3:24		423	
vr	12-10				09:11	50		09:10	40		9:17	30		09:31	60		09:19	50		09:36	60		9:43	10	
vr	12-10	14:25	LK	14:52		386	14:51		375	15:04		365	15:15		395	14:48		331	15:29		415	15:36		435	
vr	12-10				21:28	55		21:29	42		21:36	32		21:50	62		21:37	60		21:55	62		22:02	12	
za	13-10			03:15		376	03:09		361	3:22		351	03:33		381	03:08		322	03:47		401	3:54		421	
za	13-10				09:42	50		09:42	40		9:49	30		10:03	60		09:54	50		10:08	60		10:15	10	
za	13-10			15:29		377	15:24		364	15:37		354	15:48		384	15:24		322	16:02		404	16:09		424	
za	13-10				21:53	64		21:58	50		22:05	40		22:19	70		22:08	67		22:24	70		22:31	20	
zo	14-10			03:48		374	03:38		359	3:51		349	04:02		379	03:43		319	04:16		399	4:23		419	
zo	14-10				10:08	60		10:13	40		10:20	30		10:34	60		10:26	60		10:39	60		10:46	10	
zo	14-10			16:07		367	15:56		352	16:09		342	16:20		372	16:00		312	16:34		392	16:41		412	
zo	14-10				22:18	75		22:27	63		22:34	53		22:48	83		22:38	79		22:53	83		23:00	33	
ma	15-10			04:22		371	04:11		356	4:24		346	04:35		376	04:16		316	04:49		396	4:56		416	
ma	15-10				10:38	70		10:47	60		10:54	50		11:08	80		10:58	70		11:13	80		11:20	30	
ma	15-10			16:46		357	16:31		339	16:44		329	16:55		359	16:36		303	17:09		379	17:16		399	
ma	15-10				22:51	91		22:59	82		23:06	72		23:20	102		23:10	95		23:25	102		23:32	52	
di	16-10			05:01		368	04:49		350	5:02		340	05:13		370	04:53		313	05:27		390	5:34		410	
di	16-10				11:16	90		11:23	80		11:30	70		11:44	100		11:36	90		11:49	100		11:56	50	
di	16-10			17:29		347	17:12		326	17:25		316	17:36		346	17:19		294	17:50		366	17:57		386	
di	16-10				23:31	113		23:35	107		23:42	97		23:56	127		23:50	115		00:01	0		0:08	-50	
wo	17-10			05:45		365	05:33		342	5:46		332	05:57		362	05:41		311	00:01		120		0:08	70	
wo	17-10				12:05	110		12:06	100		12:13	90		12:27	120		12:26	110		06:11		382	6:18		402
wo	17-10			18:21		340	18:03		313	18:16		303	18:27		333	18:16		287		12:32	127		12:39	77	
wo	17-10				00:24	0		00:22	0		0:29	-10		00:43	0		00:43	0		18:41		353	18:48		373
do	18-10				00:24	130		00:22	130		0:29	120		00:43	150		00:43	130		00:48	150		0:55	100	
do	18-10			06:40		363	06:30		335	6:43		325	06:54		355	06:45		309	07:08		375	7:15		395	
do	18-10				13:09	129		13:03	133		13:10	123		13:24	153		13:32	131		13:29	153		13:36	103	
do	18-10			19:23		338	19:09		305	19:22		295	19:33		325	19:30		284	19:47		345	19:54		365	

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
		maan		53°46'35"N 7°52'05"E			53°48'23"N 7°55'45"E			53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"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				01:33	140		01:28	150		1:35	140		01:49	170		01:54	150		01:54	170		2:01	120
vr	19-10			07:46		366	07:43		335	7:56		325	08:07		355	08:01		313	08:21		375	8:28		395
vr	19-10				14:24	134		14:24	145		14:31	135		14:45	165		14:53	135		14:50	165		14:57	115
vr	19-10	21:12	NM	20:34		342	20:31		309	20:44		299	20:55		329	20:51		289	21:09		349	21:16		369
za	20-10				02:50	140		02:58	160		3:05	150		03:19	180		03:21	140		03:24	180		3:31	130
za	20-10			09:03		376	09:06		349	9:19		339	09:30		369	09:18		324	09:44		389	9:51		409
za	20-10				15:54	123		15:54	129		16:01	119		16:15	149		16:16	123		16:20	149		16:27	99
za	20-10			21:51		353	21:50		327	22:03		317	22:14		347	22:05		302	22:28		367	22:35		387
zo	21-10				04:22	130		04:22	130		4:29	120		04:43	150		04:39	130		04:48	150		4:55	100
zo	21-10			10:13		388	10:15		370	10:28		360	10:39		390	10:24		336	10:53		410	11:00		430
zo	21-10				17:01	103		17:01	100		17:08	90		17:22	120		17:16	105		17:27	120		17:34	70
zo	21-10			22:52		365	22:50		347	23:03		337	23:14		367	23:01		313	23:28		387	23:35		407
ma	22-10				05:20	100		05:22	100		5:29	90		05:43	120		05:33	110		05:48	120		5:55	70
ma	22-10			11:07		397	11:07		384	11:20		374	11:31		404	11:16		343	11:45		424	11:52		444
ma	22-10				17:48	85		17:51	75		17:58	65		18:12	95		18:02	88		18:17	95		18:24	45
ma	22-10			23:39		374	23:35		359	23:48		349	23:59		379	23:44		320	00:13		0	0:20		-50
di	23-10				06:04	80		06:09	80		6:16	70		06:30	100		06:17	90		00:13	399	0:20		419
di	23-10			11:51		398	11:50		387	12:03		377	12:14		407	11:58		343	06:35		100	6:42		50
di	23-10				18:28	71		18:33	60		18:40	50		18:54	80		18:42	76	12:28		427	12:35		447
di	23-10			00:20		0	00:14		0		-5	00:38		0	00:22		0		18:59		80	19:06		30
wo	24-10			00:20		377	00:14		363	0:27		353	00:38		383	00:22		322	00:52		403	0:59		423
wo	24-10				06:45	70		06:49	60		6:56	50		07:10	80		06:56	80		07:15	80		7:22	30
wo	24-10			12:32		396	12:28		386	12:41		376	12:52		406	12:35		341	13:06		426	13:13		446
wo	24-10				19:07	61		19:11	51		19:18	41		19:32	71		19:19	68		19:37	71		19:44	21
do	25-10			00:59		379	00:50		365	1:03		355	01:14		385	00:56		322	01:28		405	1:35		425
do	25-10				07:24	60		07:26	50		7:33	40		07:47	70		07:34	70		07:52	70		7:59	20
do	25-10			13:12		394	13:04		385	13:17		375	13:28		405	13:09		338	13:42		425	13:49		445
do	25-10				19:45	56		19:47	44		19:54	34		20:08	64		19:55	63		20:13	64		20:20	14
vr	26-10			01:37		379	01:26		366	1:39		356	01:50		386	01:28		324	02:04		406	2:11		426
vr	26-10				08:02	50		08:03	40		8:10	30		08:24	60		08:11	60		08:29	60		8:36	10
vr	26-10			13:50		392	13:41		385	13:54		375	14:05		405	13:42		337	14:19		425	14:26		445
vr	26-10				20:21	55		20:24	40		20:31	30		20:45	60		20:31	62		20:50	60		20:57	10
za	27-10			02:13		380	02:00		368	2:13		358	02:24		388	02:01		325	02:38		408	2:45		428
za	27-10				08:38	50		08:39	40		8:46	30		09:00	60		08:47	60		09:05	60		9:12	10
za	27-10			14:26		390	14:18		384	14:31		374	14:42		404	14:19		336	14:56		424	15:03		444
za	27-10				20:56	59		21:00	41		21:07	31		21:21	61		21:06	65		21:26	61		21:33	11

getijden 2018				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"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	02:46		381	02:35		369	2:48		359	02:59		389	02:38		327	02:13		409	2:20		429
zo	28-10				08:12	59		08:16	43		8:23	33		08:37	63		08:24	63		08:42	63		8:49	13
zo	28-10			14:04		386	13:55		379	14:08		369	14:19		399	14:00		332	14:33		419	14:40		439
zo	28-10				20:28	65		20:36	48		20:43	38		20:57	68		20:41	70		21:02	68		21:09	18
ma	29-10			02:20		381	02:11		369	2:24		359	02:35		389	02:17		326	02:49		409	2:56		429
ma	29-10				08:46	62		08:53	46		9:00	36		09:14	66		09:01	66		09:19	66		9:26	16
ma	29-10			14:44		378	14:35		368	14:48		358	14:59		388	14:43		324	15:13		408	15:20		428
ma	29-10				21:02	74		21:11	59		21:18	49		21:32	79		21:18	78		21:37	79		21:44	29
di	30-10			02:59		378	02:50		367	3:03		357	03:14		387	02:58		323	03:28		407	3:35		427
di	30-10				09:24	66		09:32	54		9:39	44		09:53	74		09:41	70		09:58	74		10:05	24
di	30-10			15:29		365	15:18		352	15:31		342	15:42		372	15:29		312	15:56		392	16:03		412
di	30-10				21:41	84		21:50	73		21:57	63		22:11	93		21:59	88		22:16	93		22:23	43
wo	31-10			03:44		372	03:35		359	3:48		349	03:59		379	03:44		318	04:13		399	4:20		419
wo	31-10				10:09	74		10:16	65		10:23	55		10:37	85		10:30	77		10:42	85		10:49	35
wo	31-10			16:22		349	16:11		333	16:24		323	16:35		353	16:22		299	16:49		373	16:56		393
wo	31-10				22:30	96		22:35	91		22:42	81		22:56	111		22:50	99		23:01	111		23:08	61

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
do	1-11			04:38		362	04:30		347	4:43		337	04:54		367	04:39		310	05:08		387	5:15		407
do	1-11				11:08	84		11:10	80		11:17	70		11:31	100		11:32	84		11:36	100		11:43	50
do	1-11			17:31		336	17:18		316	17:31		306	17:42		336	17:29		286	17:56		356	18:03		376
do	1-11				23:35	108		23:36	111		23:43	101		23:57	131		23:58	110		00:02	0		0:09	-50
vr	2-11			05:48		354	05:42		336	5:55		326	06:06		356	05:50		302	00:02		131	0:09		81
vr	2-11				12:39	88		12:23	93		12:30	83		12:44	113		13:00	87	06:20		376	6:27		396
vr	2-11			18:54		335	18:43		311	18:56		301	19:07		331	18:56		282		12:49	113		12:56	63
vr	2-11				01:14	0		01:01	0		1:08	-10		01:22	0		01:33	0	19:21		351	19:28		371
za	3-11				01:14	109		01:01	120		1:08	110		01:22	140		01:33	110		01:27	140		1:34	90
za	3-11			07:15		357	07:08		337	7:21		327	07:32		357	07:20		303	07:46		377	7:53		397
za	3-11				14:07	76		13:55	87		14:02	77		14:16	107		14:26	77		14:21	107		14:28	57
za	3-11			20:13		345	20:05		324	20:18		314	20:29		344	20:18		290	20:43		364	20:50		384
zo	4-11				02:32	95		02:31	104		2:38	94		02:52	124		02:53	97		02:57	124		3:04	74
zo	4-11	6:23 VM		08:33		369	08:28		354	8:41		344	08:52		374	08:41		314	09:06		394	9:13		414
zo	4-11				15:14	63		15:13	65		15:20	55		15:34	85		15:37	64		15:39	85		15:46	35
zo	4-11			21:24		361	21:19		346	21:32		336	21:43		366	21:28		304	21:57		386	22:04		406
ma	5-11				03:40	81		03:45	78		3:52	68		04:06	98		04:02	82		04:11	98		4:18	48
ma	5-11			09:40		383	09:37		374	9:50		364	10:01		394	09:48		327	10:15		414	10:22		434
ma	5-11				16:24	53		16:21	43		16:28	33		16:42	63		16:43	54		16:47	63		16:54	13
ma	5-11			22:24		374	22:22		364	22:35		354	22:46		384	22:26		316	23:00		404	23:07		424
di	6-11				04:50	68		04:49	57		4:56	47		05:10	77		05:05	69		05:15	77		5:22	27
di	6-11			10:38		390	10:36		384	10:49		374	11:00		404	10:43		335	11:14		424	11:21		444
di	6-11				17:25	46		17:20	31		17:27	21		17:41	51		17:38	50		17:46	51		17:53	1
di	6-11			23:15		380	23:15		371	23:28		361	23:39		391	23:13		323	23:53		411	0:00		-50
wo	7-11				05:47	57		05:45	44		5:52	34		06:06	64		05:58	60		06:11	64		0:00	431
wo	7-11			11:28		390	11:28		384	11:41		374	11:52		404	11:30		335	12:06		424		6:18	14
wo	7-11				18:13	45		18:10	29		18:17	19		18:31	49		18:24	51		18:36	49		12:13	444
wo	7-11			00:00		0	00:00		0	0:13		-10	00:24		0	23:55		325	00:38		0		18:43	-1
do	8-11			00:00		380	00:00		369	0:13		359	00:24		389		06:42	56	00:38		409	0:45		429
do	8-11				06:33	50		06:31	39		6:38	29		06:52	59	12:11		330		06:57	59		7:04	9
do	8-11			12:13		384	12:12		376	12:25		366	12:36		396		19:03	55	12:50		416	12:57		436
do	8-11				18:55	48		18:52	34		18:59	24		19:13	54	00:32		0		19:18	54		19:25	4
vr	9-11			00:40		377	00:37		366	0:50		356	01:01		386	00:32		325	01:15		406	1:22		426
vr	9-11				07:14	48		07:11	38		7:18	28		07:32	58		07:21	54		07:37	58		7:44	8
vr	9-11			12:54		377	12:51		367	13:04		357	13:15		387	12:49		324	13:29		407	13:36		427
vr	9-11				19:30	53		19:28	40		19:35	35		19:49	60		19:36	58		19:54	60		20:01	10

getijden 2018				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E											
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm				
za	10-11			01:14		377	01:08		365	1:21		355	01:32		385	01:07		325	01:46		405	1:53		425	
za	10-11				07:49	51		07:45	38		7:52	28		08:06	58		07:56	54		08:11		58		8:18	8
za	10-11			13:30		371	13:27		360	13:40		350	13:51		380	13:26		318	14:05		400	14:12		420	
za	10-11	21:36	LK		19:58	59		19:59	46		20:06	36		20:20	66		20:07	62		20:25		66		20:32	16
zo	11-11			01:46		378	01:37		368	1:50		358	02:01		388	01:42		326	02:15		408	2:22		428	
zo	11-11				08:17	56		08:17	40		8:24	30		08:38	60		08:29	58		08:43		60		8:50	10
zo	11-11			14:06		368	14:00		355	14:13		345	14:24		375	14:02		313	14:38		395	14:45		415	
zo	11-11				20:21	68		20:29	54		20:36	44		20:50	74		20:38	71		20:55		74		21:02	24
ma	12-11			02:18		381	02:09		370	2:22		360	02:33		390	02:17		326	02:47		410	2:54		430	
ma	12-11				08:43	66		08:49	48		8:56	38		09:10	68		09:02	69		09:15		68		9:22	18
ma	12-11			14:43		363	14:33		348	14:46		338	14:57		368	14:39		308	15:11		388	15:18		408	
ma	12-11				20:50	81		21:00	69		21:07	59		21:21	89		21:10	85		21:26		89		21:33	39
di	13-11			02:53		382	02:44		368	2:57		358	03:08		388	02:51		325	03:22		408	3:29		428	
di	13-11				09:15	81		09:23	64		9:30	54		09:44	84		09:36	84		09:49		84		9:56	34
di	13-11			15:21		358	15:08		339	15:21		329	15:32		359	15:15		303	15:46		379	15:53		399	
di	13-11				21:24	101		21:32	90		21:39	80		21:53	110		21:43	105		21:58		110		22:05	60
wo	14-11			03:30		381	03:21		363	3:34		353	03:45		383	03:26		325	03:59		403	4:06		423	
wo	14-11				09:52	99		09:58	85		10:05	75		10:19	105		10:12	102		10:24		105		10:31	55
wo	14-11			16:01		351	15:45		329	15:58		319	16:09		349	15:54		298	16:23		369	16:30		389	
wo	14-11				22:01	122		22:06	113		22:13	103		22:27	133		22:20	125		22:32		133		22:39	83
do	15-11			04:10		378	04:01		357	4:14		347	04:25		377	04:06		324	04:39		397	4:46		417	
do	15-11				10:36	116		10:37	105		10:44	95		10:58	125		10:56	119		11:03		125		11:10	75
do	15-11			16:47		346	16:28		319	16:41		309	16:52		339	16:42		292	17:06		359	17:13		379	
do	15-11				22:45	139		22:47	133		22:54	123		23:08	153		23:04	141		23:13		153		23:20	103
vr	16-11			04:57		376	04:48		351	5:01		341	05:12		371	04:59		322	05:26		391	5:33		411	
vr	16-11				11:29	127		11:25	122		11:32	112		11:46	142		11:50	130		11:51		142		11:58	92
vr	16-11			17:40		342	17:24		310	17:37		300	17:48		330	17:42		288	18:02		350	18:09		370	
vr	16-11				23:42	148		23:40	149		23:47	139		00:01	0		00:02	0		00:06		0		0:13	-50
za	17-11			05:54		374	05:49		345	6:02		335	06:01		169	06:02		151	06:06		169	6:13		119	
za	17-11				12:30	129		12:28	131		12:35	121	06:13		365	06:05		320	06:27		385	6:34		405	
za	17-11			18:42		342	18:33		309	18:46		299	18:49		151	18:55		132	19:11		349	19:18		369	
za	17-11				00:46	0		00:50	0		0:57	-10	18:57		329	18:55		288	19:11		349	19:18		369	
zo	18-11				00:46	146		00:50	154		0:57	144	01:11		174	01:12		149	01:16		174	1:23		124	
zo	18-11			07:02		374	07:00		346	7:13		336	07:24		366	07:18		321	07:38		386	7:45		406	
zo	18-11	12:42	NM		13:36	121		13:46	123		13:53	113	14:07		143	14:08		122	14:12		143	14:19		93	
zo	18-11			19:51		347	19:47		318	20:00		308	20:11		338	20:08		295	20:25		358	20:32		378	

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"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				01:54	133		02:12	140		2:19	130		02:33	160		02:30	135		02:38	160		2:45	110
ma	19-11			08:14		377	08:12		354	8:25		344	08:36		374	08:28		325	08:50		394	8:57		414
ma	19-11				14:49	104		14:59	100		15:06	90		15:20	120		15:17	104		15:25	120		15:32	70
ma	19-11			20:57		357	20:53		335	21:06		325	21:17		355	21:10		304	21:31		375	21:38		395
di	20-11				03:14	113		03:24	111		3:31	101		03:45	131		03:39	113		03:50	131		3:57	81
di	20-11			09:17		382	09:13		363	9:26		353	09:37		383	09:28		328	09:51		403	9:58		423
di	20-11				15:53	85		15:57	74		16:04	64		16:18	94		16:13	86		16:23	94		16:30	44
di	20-11			21:53		367	21:48		350	22:01		340	22:12		370	22:02		312	22:26		390	22:33		410
wo	21-11				04:18	91		04:21	84		4:28	74		04:42	104		04:34	93		04:47	104		4:54	54
wo	21-11			10:10		384	10:04		369	10:17		359	10:28		389	10:18		329	10:42		409	10:49		429
wo	21-11				16:43	69		16:47	56		16:54	46		17:08	76		17:00	73		17:13	76		17:20	26
wo	21-11			22:42		374	22:34		359	22:47		349	22:58		379	22:46		317	23:12		399	23:19		419
do	22-11				05:07	74		05:09	64		5:16	54		05:30	84		05:21	77		05:35	84		5:42	34
do	22-11			10:58		385	10:50		372	11:03		362	11:14		392	11:01		329	11:28		412	11:35		432
do	22-11				17:29	59		17:32	45		17:39	35		17:53	65		17:44	65		17:58	65		18:05	15
do	22-11			23:27		378	23:16		365			360	23:40		385	23:24		320	23:54		405	0:01		-50
vr	23-11				05:52	63		05:53	51		6:00	41		06:14	71		06:04	67		06:19	71		0:01	425
vr	23-11			11:43		385	11:34		374	11:47		364	11:58		394	11:39		329	12:12		414		6:26	21
vr	23-11				18:12	55		18:15	39		18:22	29		18:36	59		18:25	60		18:41	59		12:19	434
vr	23-11			00:08		0	23:56		368	0:09		358	00:20		0	23:59		324	00:34		0		18:48	9
za	24-11			00:08		380	06:36		42		6:43	32	00:20		388	06:47		60	00:34		408	0:41		428
za	24-11				06:36	56	12:17		374	12:30		364		06:57	62	12:17		329		07:02	62		7:09	12
za	24-11			12:26		384	18:56		36		19:03	26	12:41		394	19:06		59	12:55		414	13:02		434
za	24-11				18:54	53	00:35		0	0:48		-10	19:17		56	00:36		0	19:22		56		19:29	6
zo	25-11			00:47		382	00:35		371	0:48		361	00:59		391	00:36		328	01:13		411	1:20		431
zo	25-11				07:17	51	07:17		34		7:24	24	07:38		54	07:29		56	07:43		54		7:50	4
zo	25-11			13:08		382	13:00		371	13:13		361	13:24		391	12:59		328	13:38		411	13:45		431
zo	25-11				19:34	55	19:38		36		19:45	26	19:59		56	19:46		60	20:04		56		20:11	6
ma	26-11			01:24		383	01:14		373	1:27		363	01:38		393	01:16		331	01:52		413	1:59		433
ma	26-11				07:57	48	07:59		30		8:06	20	08:20		50	08:11		53	08:25		50		8:32	0
ma	26-11	18:03 EK		13:51		376	13:43		364	13:56		354	14:07		384	13:45		323	14:21		404	14:28		424
ma	26-11				20:12	58	20:18		41		20:25	31	20:39		61	20:26		63	20:44		61		20:51	11
di	27-11			02:04		383	01:54		373	2:07		363	02:18		393	02:01		331	02:32		413	2:39		433
di	27-11				08:37	47	08:41		30		8:48	20	09:02		50	08:53		51	09:07		50		9:14	0
di	27-11			14:37		367	14:27		353	14:40		343	14:51		373	14:34		315	15:05		393	15:12		413
di	27-11				20:50	64	20:59		50		21:06	40	21:20		70	21:07		68	21:25		70		21:32	431

getijden 2018				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
dag	datum	tijd	fase	53°46'35"N 7°52'05"E			53°48'23"N 7°55'45"E			53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"E		
maan				HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	28-11			02:47		380	02:37		371	2:50		361	03:01		391	02:48		328	03:15		411	3:22		431
wo	28-11				09:19	50		09:25	35		9:32	25		09:46	55		09:39	53		09:51	55		9:58	5
wo	28-11			15:26		354	15:14		339	15:27		329	15:38		359	15:25		304	15:52		379	15:59		399
wo	28-11				21:32	71		21:41	63		21:48	53		22:02	83		21:52	76		22:07	83		22:14	33
do	29-11			03:35		375	03:25		365	3:38		355	03:49		385	03:38		322	04:03		405	4:10		425
do	29-11				10:08	56		10:12	45		10:19	35		10:33	65		10:30	58		10:38	65		10:45	15
do	29-11			16:23		342	16:07		324	16:20		314	16:31		344	16:20		292	16:45		364	16:52		384
do	29-11				22:23	82		22:29	78		22:36	68		22:50	98		22:45	85		22:55	98		23:02	48
vr	30-11			04:31		367	04:21		354	4:34		344	04:45		374	04:33		314	04:59		394	5:06		414
vr	30-11				11:12	65		11:06	59		11:13	49		11:27	79		11:33	65		11:32	79		11:39	29
vr	30-11			17:28		333	17:12		312	17:25		302	17:36		332	17:24		282	17:50		352	17:57		372
vr	30-11				23:31	92		23:28	93		23:35	83		23:49	113		23:52	93		23:54	113		0:01	-50

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E										
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
za	1-12			05:39		360	05:29		344	5:42		334	05:53		364	05:39		307	06:07		384	0:01	63	
za	1-12				12:34	68		12:14	71		12:21	61		12:35	91		12:50	68		12:40	91	6:14	404	
za	1-12			18:37		333	18:26		308	18:39		298	18:50		328	18:37		278	19:04		348	12:47	41	
za	1-12				00:58	0		00:43	0		0:50	-10		01:04	0		01:13	0		01:09	0	19:11	368	
zo	2-12				00:58	93		00:43	102		0:50	92		01:04	122		01:13	95		01:09	122	1:16	72	
zo	2-12			06:54		360	06:46		341	6:59		331	07:10		361	06:58		305	07:24		381	7:31	401	
zo	2-12				13:43	65		13:31	71		13:38	61		13:52	91		14:02	65		13:57	91	14:04	41	
zo	2-12			19:47		339	19:41		315	19:54		305	20:05		335	19:51		282	20:19		355	20:26	375	
ma	3-12				02:07	86		02:02	96		2:09	86		02:23	116		02:26	88		02:28	116	2:35	66	
ma	3-12			08:06		363	08:01		347	8:14		337	08:25		367	08:13		308	08:39		387	8:46	407	
ma	3-12	16:47 VM			14:45	60		14:43	60		14:50	50		15:04	80		15:09	61		15:09	80	15:16	30	
ma	3-12			20:56		349	20:52		329	21:05		319	21:16		349	20:58		291	21:30		369	21:37	389	
di	4-12				03:12	77		03:14	79		3:21	69		03:35	99		03:35	78		03:40	99	3:47	49	
di	4-12			09:14		367	09:10		353	9:23		343	09:34		373	09:20		312	09:48		393	9:55	413	
di	4-12				15:54	56		15:49	48		15:56	38		16:10	68		16:16	56		16:15	68	16:22	18	
di	4-12			21:58		359	21:56		342	22:09		332	22:20		362	21:58		301	22:34		382	22:41	402	
wo	5-12				04:26	66		04:20	61		4:27	51		04:41	81		04:41	66		04:46	81	4:53	31	
wo	5-12			10:16		369	10:12		356	10:25		346	10:36		376	10:18		314	10:50		396	10:57	416	
wo	5-12				17:00	50		16:48	39		16:55	29		17:09	59		17:13	53		17:14	59	17:21	9	
wo	5-12			22:51		365	22:49		349	23:02		339	23:13		369	22:49		307	23:27		389	23:34	409	
do	6-12				05:26	53		05:18	47		5:25	37		05:39	67		05:37	57		05:44	67	5:51	17	
do	6-12			11:09		366	11:06		352	11:19		342	11:30		372	11:08		311	11:44		392	11:51	412	
do	6-12				17:49	47		17:41	36		17:48	26		18:02	56		18:00	53		18:07	56	18:14	6	
do	6-12			23:37		366	23:33		351	23:46		341	23:57		371	23:32		311	00:11		0	0:18	-50	
vr	7-12				06:14	45		06:07	38		6:14	28		06:28	58		06:23	52		00:11	391	0:18	411	
vr	7-12			11:55		361	11:52		346	12:05		336	12:16		366	11:52		307		06:33	58	6:40	8	
vr	7-12				18:31	49		18:25	40		18:32	30		18:46	60		18:38	56		12:30	386	12:37	406	
vr	7-12			00:16		0	00:09		0	0:22		-10	00:33		0	00:09		0		18:51	60	18:58	10	
za	8-12			00:16		367	00:09		352	0:22		342	00:33		372	00:09		314	00:47		392	0:54	412	
za	8-12				06:54	44		06:48	36		6:55	26		07:09	56		07:01	51		07:14	56	7:21	6	
za	8-12			12:36		358	12:31		342	12:44		332	12:55		362	12:30		305	13:09		382	13:16	402	
za	8-12				19:05	54		19:03	45		19:10	40		19:24	65		19:11	59		19:29	65	19:36	15	
zo	9-12			00:50		370	00:41		357	0:54		347	01:05		377	00:45		318	01:19		397	1:26	417	
zo	9-12				07:28	49		07:24	38		7:31	28		07:45	58		07:35	53		07:50	58	7:57	8	
zo	9-12			13:12		358	13:06		342	13:19		332	13:30		362	13:07		305	13:44		382	13:51	402	
zo	9-12				19:34	61		19:36	51		19:43	41		19:57	71		19:43	64		20:02	71	20:09	21	

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maan		53°46'35"N 7°52'05"E		53°48'23"N 7°55'45"E		53°46'02"N 7°59'06"E		53°45'0.0"N, 8°1'59.9"E		54°10'44"N 7°53'24"E		53°41'55"N 8°03'05"E		53°38'31"N 8°04'55"E											
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm				
ma	10-12			01:21		377	01:12		364	1:25		354	01:36		384	01:20		323	01:50		404	1:57		424	
ma	10-12	8:51	LK		07:58	57		07:56	42		8:03	32		08:17	62		08:08	59		08:22		62		8:29	12
ma	10-12			13:46		360	13:39		344	13:52		334	14:03		364	13:44		306	14:17		384	14:24		404	
ma	10-12				20:00	70		20:08	58		20:15	48		20:29	78		20:15	73		20:34		78		20:41	28
di	11-12			01:54		383	01:47		370	2:00		360	02:11		390	01:55		328	02:25		410	2:32		430	
di	11-12				08:25	67		08:30	50		8:37	40		08:51	70		08:42	70		08:56		70		9:03	20
di	11-12			14:22		362	14:13		344	14:26		334	14:37		364	14:21		307	14:51		384	14:58		404	
di	11-12				20:31	83		20:40	71		20:47	61		21:01	91		20:49	87		21:06		91		21:13	41
wo	12-12			02:30		387	02:22		371	2:35		361	02:46		391	02:30		330	03:00		411	3:07		431	
wo	12-12				08:57	80		09:04	64		9:11	54		09:25	84		09:16	83		09:30		84		9:37	34
wo	12-12			14:59		360	14:47		339	15:00		329	15:11		359	14:57		305	15:25		379	15:32		399	
wo	12-12				21:06	99		21:12	88		21:19	78		21:33	108		21:22	103		21:38		108		21:45	58
do	13-12			03:06		387	02:57		368	3:10		358	03:21		388	03:04		330	03:35		408	3:42		428	
do	13-12				09:33	93		09:38	79		9:45	69		09:59	99		09:51	97		10:04		99		10:11	49
do	13-12			15:37		354	15:21		330	15:34		320	15:45		350	15:33		300	15:59		370	16:06		390	
do	13-12				21:40	114		21:45	104		21:52	94		22:06	124		21:56	118		22:11		124		22:18	74
vr	14-12			03:42		384	03:32		363	3:45		353	03:56		383	03:39		329	04:10		403	4:17		423	
vr	14-12				10:11	104		10:13	90		10:20	80		10:34	110		10:28	107		10:39		110		10:46	60
vr	14-12			16:16		347	15:57		321	16:10		311	16:21		341	16:11		294	16:35		361	16:42		381	
vr	14-12				22:16	124		22:20	114		22:27	104		22:41	134		22:33	127		22:46		134		22:53	84
za	15-12			04:22		379	04:11		356	4:24		346	04:35		376	04:20		325	04:49		396	4:56		416	
za	15-12				10:54	109		10:54	97		11:01	87		11:15	117		11:11	112		11:20		117		11:27	67
za	15-12			16:59		341	16:41		313	16:54		303	17:05		333	16:56		288	17:19		353	17:26		373	
za	15-12				23:01	126		23:03	120		23:10	110		23:24	140		23:20	130		23:29		140		23:36	90
zo	16-12			05:08		374	04:59		348	5:12		338	05:23		368	05:12		318	05:37		388	5:44		408	
zo	16-12				11:44	109		11:42	100		11:49	90		12:03	120		12:03	112		12:08		120		12:15	70
zo	16-12			17:49		338	17:36		307	17:49		297	18:00		327	17:52		284	18:14		347	18:21		367	
zo	16-12				23:57	124		23:58	123		0:05	113		00:19	0		00:17	0		00:24		0		0:31	-50
ma	17-12			06:02		368	05:59		339	6:12		329		00:19	143		00:17	127		00:24		143		0:31	93
ma	17-12				12:39	104		12:43	100		12:50	90	06:23		359	06:13		311	06:37		379	6:44		399	
ma	17-12			18:48		338	18:41		308	18:54		298	13:04		120	13:02		107	13:09		120	13:16		70	
ma	17-12				00:57	0		01:05	0		1:12	-10	19:05		328	18:58		283	19:19		348	19:26		368	
di	18-12				00:57	116		01:05	120		1:12	110		01:26	140		01:22	120		01:31		140		1:38	90
di	18-12	7:30	NM	07:04		363	07:06		336	7:19		326	07:30		356	07:21		307	07:44		376	7:51		396	
di	18-12				13:40	95		13:52	92		13:59	82		14:13	112		14:08	98		14:18		112		14:25	62
di	18-12			19:55		343	19:50		316	20:03		306	20:14		336	20:07		288	20:28		356	20:35		376	

getijden 2018				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
		maan		53°46'35"N 7°52'05"E			53°48'23"N 7°55'45"E			53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"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				02:02	106		02:20	107		2:27	97		02:41	127		02:34	107		02:46	127		2:53	77
wo	19-12			08:15		363	08:14		339	8:27		329	08:38		359	08:30		308	08:52		379	8:59		399
wo	19-12				14:46	84		15:01	76		15:08	66		15:22	96		15:15	86		15:27	96		15:34	46
wo	19-12			21:03		352	20:54		330	21:07		320	21:18		350	21:10		296	21:32		370	21:39		390
do	20-12				03:16	92		03:30	86		3:37	76		03:51	106		03:44	91		03:56	106		4:03	56
do	20-12			09:23		366	09:16		346	9:29		336	09:40		366	09:31		311	09:54		386	10:01		406
do	20-12				15:52	72		16:02	58		16:09	48		16:23	78		16:15	74		16:28	78		16:35	28
do	20-12			22:02		362	21:52		343	22:05		333	22:16		363	22:04		305	22:30		383	22:37		403
vr	21-12				04:25	75		04:30	65		4:37	55		04:51	85		04:44	76		04:56	85		5:03	35
vr	21-12			10:23		370	10:14		353	10:27		343	10:38		373	10:24		315	10:52		393	10:59		413
vr	21-12				16:50	61		16:56	45		17:03	35		17:17	65		17:09	65		17:22	65		17:29	15
vr	21-12			22:55		369	22:43		353	22:56		343	23:07		373	22:51		312	23:21		393	23:28		413
za	22-12				05:22	61		05:23	48		5:30	38		05:44	68		05:36	63		05:49	68		5:56	18
za	22-12			11:17		372	11:08		357	11:21		347	11:32		377	11:12		317	11:46		397	11:53		417
za	22-12				17:43	54		17:47	37		17:54	27		18:08	57		17:58	58		18:13	57		18:20	7
za	22-12			23:42		373	23:31		359			354	23:55		379	23:33		317	00:09		0	0:16		-50
zo	23-12				06:13	49		06:13	35		6:20	25		06:34	55		06:27	52		00:09	399	0:16		419
zo	23-12			12:07		372	11:59		357	12:12		347	12:23		377	11:58		317		06:39	55		6:46	5
zo	23-12				18:33	49		18:36	33		18:43	23		18:57	53		18:46	54		12:37	397	12:44		417
zo	23-12			00:26		0	00:18		0	0:31		-10	00:42		0	00:16		0		19:02	53		19:09	3
ma	24-12			00:26		375	00:18		363	0:31		353	00:42		383	00:16		321	00:56		403	1:03		423
ma	24-12				07:02	39		07:02	24		7:09	14		07:23	44		07:16	43		07:28	44		7:35	-6
ma	24-12			12:56		369	12:50		354	13:03		344	13:14		374	12:46		315	13:28		394	13:35		414
ma	24-12				19:20	46		19:23	31		19:30	21		19:44	51		19:33	51		19:49	51		19:56	1
di	25-12			01:10		377	01:03		364	1:16		354	01:27		384	01:02		324	01:41		404	1:48		424
di	25-12				07:50	32		07:50	16		7:57	6		08:11	36		08:04	36		08:16	36		8:23	-14
di	25-12			13:44		364	13:39		347	13:52		337	14:03		367	13:37		311	14:17		387	14:24		407
di	25-12				20:05	46		20:09	33		20:16	23		20:30	53		20:19	50		20:35	53		20:42	3
wo	26-12			01:54		377	01:48		365	2:01		355	02:12		385	01:51		325	02:26		405	2:33		425
wo	26-12				08:37	29		08:37	13		8:44	3		08:58	33		08:52	32		09:03	33		9:10	-17
wo	26-12			14:33		356	14:27		339	14:40		329	14:51		359	14:28		304	15:05		379	15:12		399
wo	26-12				20:49	48		20:54	36		21:01	26		21:15	56		21:05	52		21:20	56		21:27	6
do	27-12			02:41		377	02:34		365	2:47		355	02:58		385	02:41		324	03:12		405	3:19		425
do	27-12	10:20 EK			09:25	30		09:23	16		9:30	6		09:44	36		09:41	33		09:49	36		9:56	-14
do	27-12			15:23		348	15:15		330	15:28		320	15:39		350	15:19		296	15:53		370	16:00		390
do	27-12				21:34	52		21:39	43		21:46	33		22:00	63		21:52	55		22:05	63		22:12	13

getijden 2018				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
		maan		53°46'35"N 7°52'05"E			53°48'23"N 7°55'45"E			53°46'02"N 7°59'06"E			53°45'0.0"N, 8°1'59.9"E			54°10'44"N 7°53'24"E			53°41'55"N 8°03'05"E			53°38'31"N 8°04'55"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	28-12			03:30		374	03:22		363	3:35		353	03:46		383	03:31		321	04:00		403	4:07		423
vr	28-12				10:15	37		10:10	24		10:17	14		10:31	44		10:31	38		10:36	44		10:43	-6
vr	28-12			16:16		340	16:05		321	16:18		311	16:29		341	16:11		288	16:43		361	16:50		381
vr	28-12				22:24	60		22:26	53		22:33	43		22:47	73		22:42	61		22:52	73		22:59	23
za	29-12			04:24		369	04:14		357	4:27		347	04:38		377	04:24		315	04:52		397	4:59		417
za	29-12				11:11	46		11:00	37		11:07	27		11:21	57		11:26	46		11:26	57		11:33	7
za	29-12			17:12		334	17:00		312	17:13		302	17:24		332	17:06		280	17:38		352	17:45		372
za	29-12				23:24	68		23:18	64		23:25	54		23:39	84		23:39	68		23:44	84		23:51	34
zo	30-12			05:24		361	05:14		347	5:27		337	05:38		367	05:21		308	05:52		387	5:59		407
zo	30-12				12:11	54		11:57	50		12:04	40		12:18	70		12:26	54		12:23	70		12:30	20
zo	30-12			18:11		330	18:02		305	18:15		295	18:26		325	18:07		274	18:40		345	18:47		365
zo	30-12				00:31	0		00:19	0		0:26	-10		00:40	0		00:45	0		00:45	0		0:52	-50
ma	31-12				00:31	73		00:19	76		0:26	66		00:40	96		00:45	74		00:45	96		0:52	46
ma	31-12			06:28		354	06:21		336	6:34		326	06:45		356	06:28		299	06:59		376	7:06		396
ma	31-12				13:11	58		13:00	59		13:07	49		13:21	79		13:28	59		13:26	79		13:33	29
ma	31-12			19:12		329	19:09		303	19:22		293	19:33		323	19:12		272	19:47		343	19:54		363