

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		dag datum tijd fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
				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		
vr	1-1			01:34		392	01:24		382	1:37		372	01:48		402	01:34		339	2:03		432	2:09		442
vr	1-1				08:06	59		08:10	42		8:17	32		08:31	62		08:18	62		8:37	2		8:43	12
vr	1-1			13:57		362	13:47		346	14:00		336	14:11		366	13:58		307	14:26		396	14:32		406
vr	1-1				20:14	69		20:20	57		20:27	47		20:41	77		20:24	74		20:47	17		20:53	27
za	2-1			02:07		387	01:58		374	2:11		364	02:22		394	02:11		332	2:37		424	2:43		434
za	2-1				08:41	62		08:45	49		8:52	39		09:06	69		08:54	67		9:12	9		9:18	19
za	2-1			14:32		353	14:21		333	14:34		323	14:45		353	14:35		297	15:00		383	15:06		393
za	2-1				20:47	74		20:53	65		21:00	55		21:14	85		20:59	79		21:20	25		21:26	35
zo	3-1			02:39		382	02:30		368	2:43		358	02:54		388	02:43		324	3:09		418	3:15		428
zo	3-1				09:16	63		09:19	52		9:26	42		09:40	72		09:29	68		9:46	12		9:52	22
zo	3-1			15:07		346	14:54		324	15:07		314	15:18		344	15:09		289	15:33		374	15:39		384
zo	3-1				21:21	73		21:26	66		21:33	56		21:47	86		21:34	78		21:53	26		21:59	36
ma	4-1			03:15		381	03:06		366	3:19		356	03:30		386	03:16		321	3:45		416	3:51		426
ma	4-1				09:52	61		09:53	50		10:00	40		10:14	70		10:05	65		10:20	10		10:26	20
ma	4-1			15:47		343	15:31		321	15:44		311	15:55		341	15:46		286	16:10		371	16:16		381
ma	4-1				22:01	69		22:02	61		22:09	51		22:23	81		22:15	73		22:29	21		22:35	31
di	5-1			03:58		381	03:48		365	4:01		355	04:12		385	03:56		321	4:27		415	4:33		425
di	5-1				10:34	57		10:34	45		10:41	35		10:55	65		10:48	60		11:01	5		11:07	15
di	5-1			16:32		342	16:14		318	16:27		308	16:38		338	16:29		285	16:53		368	16:59		378
di	5-1	20:47 EK			22:48	67		22:47	59		22:54	49		23:08	79		23:03	70		23:14	19		23:20	29
wo	6-1			04:47		378	04:37		359	4:50		349	05:01		379	04:46		320	5:16		409	5:22		419
wo	6-1				11:23	58		11:23	47		11:30	37		11:44	67		11:40	60		11:50	7		11:56	17
wo	6-1			17:24		339	17:07		311	17:20		301	17:31		331	17:22		283	17:46		361	17:52		371
wo	6-1				23:41	70		23:40	65		23:47	55		00:01	85		00:00	72		0:07	25		0:13	35
do	7-1			05:41		370	05:36		347	5:49		337	05:59		367	05:44		314	6:15		397	6:21		407
do	7-1				12:20	63		12:23	57		12:30	47		12:44	77		12:41	64		12:50	17		12:56	27
do	7-1				00:41	76		00:47	76		0:54	66		18:37	322		18:23	278		18:52	352		18:58	362
vr	8-1				00:41	76		00:47	76		0:54	66		01:08	96		01:06	77		1:14	36		1:20	46
vr	8-1			06:44		357	06:46		333	6:59		323	07:10		353	06:50		304	7:25		383	7:31		393
vr	8-1				13:29	70		13:36	64		13:43	54		13:57	84		13:55	69		14:03	24		14:09	34
vr	8-1			19:40		328	19:33		297	19:46		287	19:57		317	19:35		274	20:12		347	20:18		357
za	9-1				01:58	79		02:06	78		2:13	68		02:27	98		02:26	77		2:33	38		2:39	48
za	9-1			08:07		347	08:05		325	8:18		315	08:29		345	08:06		296	8:44		375	8:50		385
za	9-1				14:53	68		14:52	60		14:59	50		15:13	80		15:13	68		15:19	20		15:25	30
za	9-1			21:04		330	20:50		303	21:03		293	21:14		323	20:49		275	21:29		353	21:35		363

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maand		fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
dag	datum	tijd		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		
zo	10-1				03:25	70		03:23	65		3:30	55		03:44	85		03:44	69		3:50	25		3:56	35
zo	10-1			09:34		346	09:20		326	9:33		316	09:44		346	09:22		294	9:59		376	10:05		386
zo	10-1				16:02	59		16:00	48		16:07	38		16:21	68		16:20	62		16:27	8		16:33	18
zo	10-1			22:11		339	21:57		316	22:10		306	22:21		336	21:56		282	22:36		366	22:42		376
ma	11-1				04:35	54		04:32	45		4:39	35		04:53	65		04:52	54		4:59	5		5:05	15
ma	11-1			10:42		352	10:28		334	10:41		324	10:52		354	10:30		298	11:07		384	11:13		394
ma	11-1				17:07	49		17:05	35		17:12	25		17:26	55		17:23	52		17:32	-5		17:38	5
ma	11-1			23:07		351	22:56		332	23:09		322	23:20		352	22:56		293	23:35		382	23:41		392
di	12-1				05:42	36		05:38	23		5:45	13		05:59	43		05:54	38		23:35	382	23:41		392
di	12-1			11:38		359	11:31		344	11:44		334	11:55		364	11:30		304		6:05	-17		6:11	-7
di	12-1	12:34 VM			18:08	38		18:06	24		18:13	14		18:27	44		18:20	42	12:10		394	12:16		404
di	12-1			23:57		362	23:52		346	0:05		336	00:16		366	23:51		304		18:33	-16		18:39	-6
wo	13-1				06:41	21		06:38	8		6:45	-2	00:16		366		06:51	25	0:31		396	0:37		406
wo	13-1			12:30		363	12:29		351	12:42		341		06:59	28	12:25		308		7:05	-32		7:11	-22
wo	13-1				19:01	31		19:03	18		19:10	8	12:53		371		19:12	35	13:08		401	13:14		411
wo	13-1			00:45		369	00:45		355	0:58		345	19:24		38	00:44		312		19:30	-22		19:36	-12
do	14-1			00:45		369	00:45		355	0:58		345	01:09		375	00:44		312	1:24		405	1:30		415
do	14-1				07:31	15		07:31	3		7:38	-7		07:52	23		07:42	19		7:58	-37		8:04	-27
do	14-1			13:18		364	13:22		351	13:35		341	13:46		371	13:17		309	14:01		401	14:07		411
do	14-1				19:49	32		19:52	21		19:59	11		20:13	41		19:59	35		20:19	-19		20:25	-9
vr	15-1			01:31		373	01:35		356	1:48		346	01:59		376	01:33		315	2:14		406	2:20		416
vr	15-1				08:17	20		08:18	10		8:25	0		08:39	30		08:29	24		8:45	-30		8:51	-20
vr	15-1			14:04		359	14:10		343	14:23		333	14:34		363	14:04		304	14:49		393	14:55		403
vr	15-1				20:32	42		20:35	33		20:42	23		20:56	53		20:43	43		21:02	-7		21:08	3
za	16-1			02:14		371	02:18		351	2:31		341	02:42		371	02:18		313	2:57		401	3:03		411
za	16-1				08:58	34		08:59	26		9:06	16		09:20	46		09:12	38		9:26	-14		9:32	-4
za	16-1			14:45		352	14:50		331	15:03		321	15:14		351	14:47		296	15:29		381	15:35		391
za	16-1				21:10	56		21:12	49		21:19	39		21:33	69		21:23	57		21:39	9		21:45	19
zo	17-1			02:54		367	02:55		343	3:08		333	03:19		363	02:56		308	3:34		393	3:40		403
zo	17-1				09:35	51		09:34	43		9:41	33		09:55	63		09:49	54		10:01	3		10:07	13
zo	17-1			15:24		345	15:24		320	15:37		310	15:48		340	15:23		289	16:03		370	16:09		380
zo	17-1				21:42	69		21:45	61		21:52	51		22:06	81		21:57	70		22:12	21		22:18	31
ma	18-1			03:33		363	03:28		339	3:41		329	03:52		359	03:29		305	4:07		389	4:13		399
ma	18-1				10:09	62		10:08	52		10:15	42		10:29	72		10:23	66		10:35	12		10:41	22
ma	18-1			16:03		341	15:56		315	16:09		305	16:20		335	15:56		285	16:35		365	16:41		375
ma	18-1				22:12	75		22:19	66		22:26	56		22:40	86		22:30	77		22:46	26		22:52	36

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maand		datum		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
dag	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			
di	19-1		04:13		359	04:04		336	4:17		326	04:28		356	04:01		303	4:43		386	4:49		396	
di	19-1			10:44	67		10:43	56		10:50	46		11:04	76		10:57	71		11:10	16		11:16	26	
di	19-1		16:44		340	16:35		314	16:48		304	16:59		334	16:33		284	17:14		364	17:20		374	
di	19-1	23:13 LK		22:50	78		22:57	69		23:04	59		23:18	89		23:08	79		23:24	29		23:30	39	
wo	20-1		04:58		354	04:47		331	5:00		321	05:11		351	04:45		299	5:26		381	5:32		391	
wo	20-1			11:28	71		11:25	62		11:32	52		11:46	82		11:41	74		11:52	22		11:58	32	
wo	20-1		17:32		337	17:22		310	17:35		300	17:46		330	17:23		282	18:01		360	18:07		370	
wo	20-1			23:42	82		23:45	77		23:52	67		00:06	97		00:00	83		0:12	37		0:18	47	
do	21-1		05:51		345	05:41		319	5:54		309	06:05		339	05:45		289	6:20		369	6:26		379	
do	21-1			12:22	77		12:16	74		12:23	64		06:05	339		05:45	289		6:20	369		6:26	379	
do	21-1		18:25		333	18:19		303	18:32		293	18:43		323	18:28		276	18:58		353	19:04		363	
do	21-1			00:44	87		00:44	88		0:51	78		01:05	108		01:04	88		1:11	48		1:17	58	
vr	22-1		06:51		335	06:43		304	6:56		294	07:07		324	06:57		278	7:22		354	7:28		364	
vr	22-1			13:22	84		13:20	88		13:27	78		13:41	108		13:41	87		13:47	48		13:53	58	
vr	22-1		19:23		330	19:22		298	19:35		288	19:46		318	19:36		274	20:01		348	20:07		358	
za	23-1			01:50	91		01:56	95		2:03	85		02:17	115		02:16	92		2:23	55		2:29	65	
za	23-1		07:53		326	07:51		295	8:04		285	08:15		315	08:08		271	8:30		345	8:36		355	
za	23-1			14:24	89		14:31	94		14:38	84		14:52	114		14:51	91		14:58	54		15:04	64	
za	23-1		20:25		331	20:30		302	20:43		292	20:54		322	20:42		277	21:09		352	21:15		362	
zo	24-1			03:00	91		03:11	90		3:18	80		03:32	110		03:30	90		3:38	50		3:44	60	
zo	24-1		08:59		324	09:01		296	9:14		286	09:25		316	09:14		271	9:40		346	9:46		356	
zo	24-1			15:32	89		15:39	88		15:46	78		16:00	108		15:58	90		16:06	48		16:12	58	
zo	24-1		21:28		339	21:33		317	21:46		307	21:57		337	21:41		286	22:12		367	22:18		377	
ma	25-1			04:13	85		04:16	76		4:23	66		04:37	96		04:32	84		4:43	36		4:49	46	
ma	25-1		10:04		329	10:02		308	10:15		298	10:26		328	10:09		277	10:41		358	10:47		368	
ma	25-1			16:33	83		16:37	75		16:44	65		16:58	95		16:51	85		17:04	35		17:10	45	
ma	25-1		22:24		353	22:25		337	22:38		327	22:49		357	22:30		300	23:04		387	23:10		397	
di	26-1			05:05	75		05:09	60		5:16	50		05:30	80		05:20	76		5:36	20		5:42	30	
di	26-1		10:55		340	10:50		323	11:03		313	11:14		343	10:55		287	11:29		373	11:35		383	
di	26-1			17:21	73		17:26	60		17:33	50		17:47	80		17:35	77		17:53	20		17:59	30	
di	26-1		23:11		368	23:10		356	23:23		346	23:34		376	23:14		314	23:49		406	23:55		416	
wo	27-1			05:49	64		05:55	46		6:02	36		06:16	66		06:02	66		6:22	6		6:28	16	
wo	27-1		11:39		351	11:33		337	11:46		327	11:57		357	11:38		297		6:22	6		6:28	16	
wo	27-1			18:04	62		18:10	47		18:17	37		18:31	67		18:15	67		12:12	387		12:18	397	
wo	27-1		23:55		379	23:52		369	0:05		359	00:16		389	23:56		324		18:37	7		18:43	17	

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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	28-1				06:31	53		06:37	36		6:44	26	00:16		389		06:44	56	0:31		419	0:37		429	
do	28-1	1:07	NM	12:22		358	12:16		344	12:29		334		06:58	56	12:20		303		7:04	-4		7:10		6
do	28-1				18:45	53		18:52	39		18:59	29	12:40		364		18:55	59	12:55		394	13:01		404	
do	28-1			00:37		383	00:33		373	0:46		363		19:13	59	00:37		328		19:19	-1		19:25		9
vr	29-1			00:37		383	00:33		373	0:46		363	00:57		393	00:37		328	1:12		423	1:18		433	
vr	29-1				07:12	44		07:18	29		7:25	19		07:39	49		07:25	49		7:45	-11		7:51		-1
vr	29-1			13:03		358	12:57		344	13:10		334	13:21		364	13:02		303	13:36		394	13:42		404	
vr	29-1				19:24	48		19:31	36		19:38	26		19:52	56		19:34	54		19:58	-4		20:04		6
za	30-1			01:16		382	01:10		370	1:23		360	01:34		390	01:17		326	1:49		420	1:55		430	
za	30-1				07:50	40		07:56	26		8:03	16		08:17	46		08:04	45		8:23	-14		8:29		-4
za	30-1			13:42		354	13:34		337	13:47		327	13:58		357	13:41		297	14:13		387	14:19		397	
za	30-1				20:00	45		20:07	35		20:14	25		20:28	55		20:12	51		20:34	-5		20:40		5
zo	31-1			01:51		378	01:44		366	1:57		356	02:08		386	01:54		321	2:23		416	2:29		426	
zo	31-1				08:27	37		08:32	25		8:39	15		08:53	45		08:40	43		8:59	-15		9:05		-5
zo	31-1			14:17		348	14:08		329	14:21		319	14:32		349	14:18		291	14:47		379	14:53		389	
zo	31-1				20:34	43		20:42	33		20:49	23		21:03	53		20:47	48		21:09	-7		21:15		3

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maand	dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
					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		
ma		1-2			02:24		377	02:17		365	2:30		355	02:41		385	02:30		318	2:56		415	3:02		425
ma		1-2				09:02	35		09:07	22		9:14	12		09:28	42		09:15	41		9:34	-18		9:40	-8
ma		1-2			14:52		345	14:40		326	14:53		316	15:04		346	14:53		287	15:19		376	15:25		386
ma		1-2				21:09	39		21:16	29		21:23	19		21:37	49		21:22	43		21:43	-11		21:49	-1
di		2-2			03:01		378	02:53		367	3:06		357	03:17		387	03:05		318	3:32		417	3:38		427
di		2-2				09:37	33		09:42	20		9:49	10		10:03	40		09:50	38		10:09	-20		10:15	-10
di		2-2			15:30		344	15:16		326	15:29		316	15:40		346	15:30		286	15:55		376	16:01		386
di		2-2				21:46	36		21:52	25		21:59	15		22:13	45		22:01	39		22:19	-15		22:25	-5
wo		3-2			03:42		377	03:34		366	3:47		356	03:58		386	03:45		318	4:13		416	4:19		426
wo		3-2				10:15	35		10:20	22		10:27	12		10:41	42		10:30	37		10:47	-18		10:53	-8
wo		3-2			16:12		341	15:57		322	16:10		312	16:21		342	16:11		284	16:36		372	16:42		382
wo		3-2				22:28	38		22:33	27		22:40	17		22:54	47		22:45	39		23:00	-13		23:06	-3
do		4-2			04:28		370	04:20		356	4:33		346	04:44		376	04:30		313	4:59		406	5:05		416
do		4-2	5:19 EK			10:59	44		11:04	32		11:11	22		11:25	52		11:16	44		11:31	-8		11:37	2
do		4-2			17:00		333	16:43		311	16:56		301	17:07		331	16:58		279	17:22		361	17:28		371
do		4-2				23:16	48		23:20	40		23:27	30		23:41	60		23:35	48		23:47	0		23:53	10
vr		5-2			05:19		355	05:15		336	5:28		326	05:39		356	05:23		301		23:47	0		23:53	10
vr		5-2				11:50	58		11:56	51		12:03	41		12:17	71		12:12	57		5:54	386		6:00	396
vr		5-2			17:55		321	17:42		294	17:55		284	18:06		314	17:53		269		12:23	11		12:29	21
vr		5-2				00:12	61		00:20	59		0:27	49		00:41	79		00:37	60		18:21	344		18:27	354
za		6-2				00:12	61		00:20	59		0:27	49		00:41	79		00:37	60		0:47	19		0:53	29
za		6-2			06:21		336	06:24		314	6:37		304	06:48		334	06:26		285	7:03		364	7:09		374
za		6-2				12:58	72		13:05	70		13:12	60		13:26	90		13:24	69		13:32	30		13:38	40
za		6-2			19:11		311	19:04		281	19:17		271	19:28		301	19:03		260	19:43		331	19:49		341
zo		7-2				01:35	70		01:39	71		1:46	61		02:00	91		02:02	67		2:06	31		2:12	41
zo		7-2			07:54		323	07:49		302	8:02		292	08:13		322	07:48		274	8:28		352	8:34		362
zo		7-2				14:35	72		14:28	72		14:35	62		14:49	92		14:51	72		14:55	32		15:01	42
zo		7-2			20:41		312	20:30		286	20:43		276	20:54		306	20:26		259	21:09		336	21:15		346
ma		8-2				03:10	61		03:05	62		3:12	52		03:26	82		03:28	60		3:32	22		3:38	32
ma		8-2			09:24		326	09:09		308	9:22		298	09:33		328	09:14		274	9:48		358	9:54		368
ma		8-2				15:48	61		15:45	57		15:52	47		16:06	77		16:07	63		16:12	17		16:18	27
ma		8-2			21:54		327	21:42		304	21:55		294	22:06		324	21:45		269	22:21		354	22:27		364
di		9-2				04:26	45		04:22	39		4:29	29		04:43	59		04:43	44		4:49	-1		4:55	9
di		9-2			10:31		339	10:21		324	10:34		314	10:45		344	10:26		283	11:00		374	11:06		384
di		9-2				16:59	46		16:57	37		17:04	27		17:18	57		17:15	49		17:24	-3		17:30	7
di		9-2			22:52		345	22:47		327	23:00		317	23:11		347	22:51		286	23:26		377	23:32		387

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maand		dag datum		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	
				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	dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
	wo	10-2				05:36	26		05:32	15		5:39	5		05:53	35		05:49	28		5:59	-25		6:05	-15
	wo	10-2			11:28		352	11:24		341	11:37		331	11:48		361	11:26		295	12:03		391	12:09		401
	wo	10-2				18:00	31		18:01	18		18:08	8		18:22	38		18:12	35		18:28	-22		18:34	-12
	wo	10-2			23:44		360	23:44		346	23:57		336	00:08		366	23:47		300	0:23		396	0:29		406
	do	11-2	1:33	VM		06:31	13		06:32	1		6:39	-9		00:08	366		06:42	18		0:23	396	0:29		406
	do	11-2			12:18		361	12:20		351	12:33		341		06:53	21	12:17		304		6:59	-39		7:05	-29
	do	11-2				18:50	24		18:55	10		19:02	0	12:44	371		19:01	28	12:59		401	13:05		411	
	do	11-2			00:31		368	00:35		355	0:48		345		19:16	30	00:36		309		19:22	-30		19:28	-20
	vr	12-2			00:31		368	00:35		355	0:48		345	00:59	375	00:36	309	1:14	405	1:20	415	1:20		415	
	vr	12-2				07:18	12		07:22	1		7:29	-9		07:43	21		07:30	18		7:49	-39		7:55	-29
	vr	12-2			13:04		362	13:10		350	13:23		340	13:34		370	13:04		306	13:49		400	13:55		410
	vr	12-2				19:34	26		19:41	15		19:48	5		20:02	35		19:45	30		20:08	-25		20:14	-15
	za	13-2			01:15		370	01:21		355	1:34		345	01:45		375	01:20		311	2:00		405	2:06		415
	za	13-2				07:59	21		08:04	13		8:11	3		08:25	33		08:11	27		8:31	-27		8:37	-17
	za	13-2			13:44		359	13:51		341	14:04		331	14:15		361	13:46		302	14:30		391	14:36		401
	za	13-2				20:13	36		20:19	28		20:26	18		20:40	48		20:24	38		20:46	-12		20:52	-2
	zo	14-2			01:53		368	01:58		348	2:11		338	02:22		368	01:58		308	2:37		398	2:43		408
	zo	14-2				08:35	34		08:39	28		8:46	18		09:00	48		08:47	39		9:06	-12		9:12	-2
	zo	14-2			14:20		354	14:24		332	14:37		322	14:48		352	14:21		297	15:03		382	15:09		392
	zo	14-2				20:46	46		20:51	38		20:58	28		21:12	58		20:58	48		21:18	-2		21:24	8
	ma	15-2			02:28		365	02:29		341	2:42		331	02:53		361	02:29		304	3:08		391	3:14		401
	ma	15-2				09:05	45		09:09	37		9:16	27		09:30	57		09:18	49		9:36	-3		9:42	7
	ma	15-2			14:52		351	14:51		327	15:04		317	15:15		347	14:50		293	15:30		377	15:36		387
	ma	15-2				21:12	52		21:19	41		21:26	31		21:40	61		21:27	54		21:46	1		21:52	11
	di	16-2			03:02		362	02:57		340	3:10		330	03:21		360	02:57		303	3:36		390	3:42		400
	di	16-2				09:32	49		09:37	38		9:44	28		09:58	58		09:46	54		10:04	-2		10:10	8
	di	16-2			15:26		350	15:19		329	15:32		319	15:43		349	15:18		294	15:58		379	16:04		389
	di	16-2				21:37	53		21:49	39		21:56	29		22:10	59		21:56	55		22:16	-1		22:22	9
	wo	17-2			03:37		359	03:29		339	3:42		329	03:53		359	03:27		302	4:08		389	4:14		399
	wo	17-2				10:01	52		10:08	38		10:15	28		10:29	58		10:16	56		10:35	-2		10:41	8
	wo	17-2			16:03		348	15:53		329	16:06		319	16:17		349	15:51		293	16:32		379	16:38		389
	wo	17-2				22:11	56		22:23	41		22:30	31		22:44	61		22:29	57		22:50	1		22:56	11
	do	18-2			04:16		352	04:06		333	4:19		323	04:30		353	04:06		297	4:45		383	4:51		393
	do	18-2				10:38	61		10:42	47		10:49	37		11:03	67		10:51	63		11:09	7		11:15	17
	do	18-2			16:45		343	16:32		323	16:45		313	16:56		343	16:32		288	17:11		373	17:17		383
	do	18-2	20:33	LK		22:53	66		23:01	52		23:08	42		23:22	72		23:11	66		23:28	12		23:34	22

getijden 2016				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	19-2			05:01		340	04:50		318	5:03		308	05:14		338	04:55		285	5:29		368	5:35		378
vr	19-2				11:22	77		11:21	66		11:28	56		11:42	86		11:36	77		11:48	26		11:54	36
vr	19-2			17:33		334	17:19		310	17:32		300	17:43		330	17:26		279	17:58		360	18:04		370
vr	19-2				23:44	81		23:46	73		23:53	63		00:07	93		00:03	81		0:13	33		0:19	43
za	20-2			05:54		326	05:42		300	5:55		290	00:07		93	00:03		81	0:13		33	0:19		43
za	20-2				12:16	95		12:11	93		12:18	83	06:06		320	05:57		271	6:21		350	6:27		360
za	20-2			18:28		327	18:14		298	18:27		288		12:32	113		12:32	95		12:38	53		12:44	63
za	20-2				00:45	96		00:45	97		0:52	87	18:38		318	18:32		272	18:53		348	18:59		358
zo	21-2				00:45	96		00:45	97		0:52	87		01:06	117		01:08	97		1:12	57		1:18	67
zo	21-2			06:54		317	06:44		287	6:57		277	07:08		307	07:08		261	7:23		337	7:29		347
zo	21-2				13:17	108		13:18	115		13:25	105		13:39	135		13:39	109		13:45	75		13:51	85
zo	21-2			19:29		327	19:22		295	19:35		285	19:46		315	19:43		273	20:01		345	20:07		355
ma	22-2				01:52	103		02:05	109		2:12	99		02:26	129		02:24	104		2:32	69		2:38	79
ma	22-2			07:59		316	07:55		287	8:08		277	08:19		307	08:20		262	8:34		337	8:40		347
ma	22-2				14:24	109		14:41	116		14:48	106		15:02	136		14:55	111		15:08	76		15:14	86
ma	22-2			20:36		336	20:38		308	20:51		298	21:02		328	20:51		283	21:17		358	21:23		368
di	23-2				03:08	98		03:30	96		3:37	86		03:51	116		03:42	97		3:57	56		4:03	66
di	23-2			09:12		324	09:12		301	9:25		291	09:36		321	09:27		272	9:51		351	9:57		361
di	23-2				15:45	98		15:57	95		16:04	85		16:18	115		16:08	99		16:24	55		16:30	65
di	23-2			21:45		352	21:47		332	22:00		322	22:11		352	21:52		299	22:26		382	22:32		392
wo	24-2				04:27	81		04:35	71		4:42	61		04:56	91		04:45	80		5:02	31		5:08	41
wo	24-2			10:21		338	10:17		321	10:30		311	10:41		341	10:25		285	10:56		371	11:02		381
wo	24-2				16:50	78		16:56	68		17:03	58		17:17	88		17:04	81		17:23	28		17:29	38
wo	24-2			22:43		367	22:43		354	22:56		344	23:07		374	22:47		312	23:22		404	23:28		414
do	25-2				05:21	61		05:28	46		5:35	36		05:49	66		05:35	62		5:55	6		6:01	16
do	25-2			11:14		350	11:10		337	11:23		327	11:34		357	11:16		294	11:49		387	11:55		397
do	25-2				17:39	58		17:46	46		17:53	36		18:07	66		17:51	63		18:13	6		18:19	16
do	25-2			23:32		376	23:30		365	23:43		355	23:54		385	23:35		319	0:09		415	0:15		425
vr	26-2				06:07	43		06:15	29		6:22	19		06:36	49		06:21	46		0:09	415	0:15		425
vr	26-2			12:01		354	11:56		342	12:09		332	12:20		362	12:01		297		6:42	-11		6:48	-1
vr	26-2	15:58	NM		18:24	43		18:31	32		18:38	22		18:52	52		18:35	49		12:35	392	12:41		402
vr	26-2			00:16		377	00:13		367	0:26		357	00:37		387	00:17		319		18:58	-8		19:04	2
za	27-2			00:16		377	00:13		367	0:26		357	00:37		387	00:17		319	0:52		417	0:58		427
za	27-2				06:51	30		06:57	19		7:04	9		07:18	39		07:04	35		7:24	-21		7:30	-11
za	27-2			12:43		353	12:38		339	12:51		329	13:02		359	12:41		295	13:17		389	13:23		399
za	27-2				19:05	33		19:11	24		19:18	14		19:32	44		19:16	39		19:38	-16		19:44	-6

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
dag	datum	tijd	maan	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	28-2			00:56		374	00:51		364	1:04		354	01:15		384	00:55		316	1:30		414	1:36		424
zo	28-2				07:31	22		07:36	12		7:43	2		07:57	32		07:44	29		8:03	-28		8:09	-18
zo	28-2			13:23		350	13:16		335	13:29		325	13:40		355	13:18		291	13:55		385	14:01		395
zo	28-2				19:43	26		19:49	16		19:56	6		20:10	36		19:54	31		20:16	-24		20:22	-14

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel				
maand		dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm			
						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		
ma			1-3			01:33		373	01:26		364	1:39		354	01:50		384	01:32		315	2:05		414	2:11		424
ma			1-3				08:09	17		08:13	5		8:20	-5		08:34	25		08:22	24		8:40	-35		8:46	-25
ma			1-3			13:59		348	13:50		333	14:03		323	14:14		353	13:54		290	14:29		383	14:35		393
ma			1-3				20:19	19		20:25	7		20:32	-3		20:46	27		20:31	24		20:52	-33		20:58	-23
di			2-3			02:08		376	02:00		369	2:13		359	02:24		389	02:09		317	2:39		419	2:45		429
di			2-3				08:44	15		08:49	0		8:56	-10		09:10	20		08:57	21		9:16	-40		9:22	-30
di			2-3			14:35		350	14:23		336	14:36		326	14:47		356	14:31		291	15:02		386	15:08		396
di			2-3				20:53	14		21:01	-2		21:08	-12		21:22	18		21:07	18		21:28	-42		21:34	-32
wo			3-3			02:47		378	02:38		373	2:51		363	03:02		393	02:49		319	3:17		423	3:23		433
wo			3-3				09:19	16		09:25	0		9:32	-10		09:46	19		09:33	20		9:52	-41		9:58	-31
wo			3-3			15:13		350	15:00		339	15:13		329	15:24		359	15:11		292	15:39		389	15:45		399
wo			3-3				21:30	12		21:38	-3		21:45	-8		21:59	17		21:45	15		22:05	-43		22:11	-33
do			4-3			03:28		374	03:21		369	3:34		359	03:45		389	03:31		316	4:00		419	4:06		429
do			4-3				09:55	23		10:03	7		10:10	-3		10:24	27		10:11	24		10:30	-33		10:36	-23
do			4-3			15:54		345	15:41		333	15:54		323	16:05		353	15:53		289	16:20		383	16:26		393
do			4-3				22:10	19		22:19	5		22:26	-5		22:40	25		22:28	20		22:46	-35		22:52	-25
vr			5-3			04:14		360	04:08		352	4:21		342	04:32		372	04:17		305	4:47		402	4:53		412
vr			5-3				10:35	37		10:45	25		10:52	15		11:06	45		10:55	36		11:12	-15		11:18	-5
vr			5-3	12:32 EK		16:40		333	16:27		319	16:40		309	16:51		339	16:39		279	17:06		369	17:12		379
vr			5-3				22:55	34		23:04	24		23:11	14		23:25	44		23:17	33		23:31	-16		23:37	-6
za			6-3			05:06		338	05:03		326	5:16		316	05:27		346	05:09		287	5:42		376	5:48		386
za			6-3				11:22	57		11:34	51		11:41	41		11:55	71		11:48	55		12:01	11		12:07	21
za			6-3			17:35		316	17:25		298	17:38		288	17:49		318	17:33		265	18:04		348	18:10		358
za			6-3				23:50	52		00:02	48		0:09	38		00:23	68		00:19	50		0:29	8		0:35	18
zo			7-3			06:17		316	00:02		48		0:09	38		00:23	68		00:19	50		0:29	8		0:35	18
zo			7-3				12:36	76	06:16		301	6:29		291	06:40		321	06:16		267	6:55		351	7:01		361
zo			7-3			18:56		304		12:41	76		12:48	66		13:02	96		13:03	72		13:08	36		13:14	46
zo			7-3				01:38	62	18:48		283	19:01		273	19:12		303	18:47		254	19:27		333	19:33		343
ma			8-3				01:38	62		01:22	65		1:29	55		01:43	85		01:53	58		1:49	25		1:55	35
ma			8-3			07:50		308	07:40		293	7:53		283	08:04		313	07:44		257	8:19		343	8:25		353
ma			8-3				14:23	74		14:11	81		14:18	71		14:32	101		14:37	73		14:38	41		14:44	51
ma			8-3			20:24		309	20:14		288	20:27		278	20:38		308	20:15		255	20:53		338	20:59		348
di			9-3				03:00	52		02:53	56		3:00	46		03:14	76		03:19	51		3:20	16		3:26	26
di			9-3			09:12		318	08:59		305	9:12		295	09:23		325	09:09		263	9:38		355	9:44		365
di			9-3				15:36	60		15:34	62		15:41	52		15:55	82		15:56	61		16:01	22		16:07	32
di			9-3			21:37		328	21:29		311	21:42		301	21:53		331	21:37		270	22:08		361	22:14		371

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		dag datum		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
fase		tijd		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		
wo	10-3				04:18	36		04:12	32		4:19	22		04:33	52		04:36	35		4:39	-8		4:45	2
wo	10-3			10:18		337	10:12		328	10:25		318	10:36		348	10:19		280	10:51		378	10:57		388
wo	10-3				16:49	42		16:47	35		16:54	25		17:08	55		17:04	44		17:14	-5		17:20	5
wo	10-3			22:36		350	22:35		338	22:48		328	22:59		358	22:42		290	23:14		388	23:20		398
do	11-3				05:24	19		05:21	9		5:28	-1		05:42	29		05:38	22		5:48	-31		5:54	-21
do	11-3			11:13		354	11:15		348	11:28		338	11:39		368	11:15		295	11:54		398	12:00		408
do	11-3				17:46	27		17:49	14		17:56	4		18:10	34		17:59	31		18:16	-26		18:22	-16
do	11-3			23:28		365	23:32		356	23:45		346	23:56		376	23:36		305	0:11		406	0:17		416
vr	12-3				06:15	12		06:17	0		6:24	-10		06:38	19		06:28	17		0:11		406	0:17	416
vr	12-3			12:02		362	12:07		356	12:20		346	12:31		376	12:03		304		6:44	-41		6:50	-31
vr	12-3	15:54 VM			18:34	22		18:40	9		18:47	-1		19:01	29		18:45	27	12:46		406	12:52		416
vr	12-3			00:14		370	00:20		360	0:33		350	00:44		380	00:22		311		19:07	-31		19:13	-21
za	13-3			00:14		370	00:20		360	0:33		350	00:44		380	00:22		311	0:59		410	1:05		420
za	13-3				06:59	15		07:04	4		7:11	-6		07:25	24		07:11	22		7:31	-36		7:37	-26
za	13-3			12:45		361	12:51		351	13:04		341	13:15		371	12:45		305	13:30		401	13:36		411
za	13-3				19:15	26		19:22	16		19:29	6		19:43	36		19:25	30		19:49	-24		19:55	-14
zo	14-3			00:54		367	01:01		354	1:14		344	01:25		374	01:00		309	1:40		404	1:46		414
zo	14-3				07:36	25		07:42	18		7:49	8		08:03	38		07:47	31		8:09	-22		8:15	-12
zo	14-3			13:20		357	13:26		341	13:39		331	13:50		361	13:20		302	14:05		391	14:11		401
zo	14-3				19:50	33		19:56	27		20:03	17		20:17	47		20:00	36		20:23	-13		20:29	-3
ma	15-3			01:28		363	01:32		346	1:45		336	01:56		366	01:32		304	2:11		396	2:17		406
ma	15-3				08:07	34		08:13	28		8:20	18		08:34	48		08:18	39		8:40	-12		8:46	-2
ma	15-3			13:50		355	13:51		338	14:04		328	14:15		358	13:50		300	14:30		388	14:36		398
ma	15-3				20:18	38		20:24	29		20:31	19		20:45	49		20:30	39		20:51	-11		20:57	-1
di	16-3			01:59		361	01:58		343	2:11		333	02:22		363	01:59		302	2:37		393	2:43		403
di	16-3				08:33	37		08:39	27		8:46	17		09:00	47		08:45	41		9:06	-13		9:12	-3
di	16-3			14:19		358	14:15		343	14:28		333	14:39		363	14:18		302	14:54		393	15:00		403
di	16-3				20:41	38		20:51	23		20:58	13		21:12	43		20:57	39		21:18	33		21:24	33
wo	17-3			02:31		361	02:26		346	2:39		336	02:50		366	02:28		303	3:05		396	3:11		406
wo	17-3				08:58	37		09:06	23		9:13	13		09:27	43		09:12	41		9:33	-17		9:39	-7
wo	17-3			14:52		361	14:45		350	14:58		340	15:09		370	14:47		305	15:24		400	15:30		410
wo	17-3				21:09	38		21:20	19		21:27	14		21:41	39		21:26	39		21:47	-21		21:53	-11
do	18-3			03:06		359	02:58		346	3:11		336	03:22		366	03:00		303	3:37		396	3:43		406
do	18-3				09:27	43		09:35	26		9:42	16		09:56	46		09:41	45		10:02	-14		10:08	-4
do	18-3			15:28		360	15:19		350	15:32		340	15:43		370	15:20		304	15:58		400	16:04		410
do	18-3				21:42	45		21:52	25		21:59	15		22:13	45		21:58	45		22:19	-15		22:25	-5

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand	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	19-3			03:43		352	03:33		339	3:46		329	03:57		359	03:37		297	4:12		389	4:18		399
vr	19-3				09:59	58		10:05	41		10:12	31		10:26	61		10:13	58		10:32	1		10:38	11
vr	19-3			16:06		354	15:53		342	16:06		332	16:17		362	15:56		299	16:32		392	16:38		402
vr	19-3				22:19	61		22:25	42		22:32	32		22:46	62		22:34	60		22:52	2		22:58	12
za	20-3			04:22		340	04:11		325	4:24		315	04:35		345	04:17		286	4:50		375	4:56		385
za	20-3				10:32	80		10:38	65		10:45	55		10:59	85		10:49	78		11:05	25		11:11	35
za	20-3	16:58	LK	16:47		346	16:31		329	16:44		319	16:55		349	16:38		291	17:10		379	17:16		389
za	20-3				23:01	81		23:02	66		23:09	56		23:23	86		23:18	81		23:29	26		23:35	36
zo	21-3			05:07		329	04:54		309	5:07		299	05:18		329	05:06		274	5:33		359	5:39		369
zo	21-3				11:13	102		11:19	92		11:26	82		11:40	112		11:33	100		11:46	52		11:52	62
zo	21-3			17:33		340	17:17		317	17:30		307	17:41		337	17:32		285	17:56		367	18:02		377
zo	21-3				23:54	98		23:50	91		23:57	81		00:11	111		00:12	99		0:17	51		0:23	61
ma	22-3			06:00		322	05:49		296	6:02		286	00:11		111		00:12	99		0:17	51		0:23	61
ma	22-3				12:14	115		12:13	116		12:20	106	06:13		316	06:08		265	6:28		346	6:34		356
ma	22-3			18:29		339	18:18		311	18:31		301		12:34	136		12:33	116		12:40	76		12:46	86
ma	22-3				00:57	105		00:56	109		1:03	99	18:42		331	18:40		284	18:57		361	19:03		371
di	23-3				00:57	105		00:56	109		1:03	99		01:17	129		01:21	108		1:23	69		1:29	79
di	23-3			07:01		322	06:58		294	7:11		284	07:22		314	07:22		265	7:37		344	7:43		354
di	23-3				13:21	115		13:30	126		13:37	116		13:51	146		13:45	118		13:57	86		14:03	96
di	23-3			19:36		345	19:35		317	19:48		307	19:59		337	19:55		291	20:14		367	20:20		377
wo	24-3				02:07	98		02:29	105		2:36	95		02:50	125		02:42	100		2:56	65		3:02	75
wo	24-3			08:14		328	08:18		304	8:31		294	08:42		324	08:39		274	8:57		354	9:03		364
wo	24-3				14:33	102		15:03	108		15:10	98		15:24	128		15:08	105		15:30	68		15:36	78
wo	24-3			20:57		356	20:58		335	21:11		325	21:22		355	21:07		303	21:37		385	21:43		395
do	25-3				03:32	79		03:51	75		3:58	65		04:12	95		04:00	78		4:18	35		4:24	45
do	25-3			09:39		339	09:36		323	9:49		313	10:00		343	09:48		286	10:15		373	10:21		383
do	25-3				16:04	79		16:17	75		16:24	65		16:38	95		16:23	81		16:44	35		16:50	45
do	25-3			22:08		369	22:05		355	22:18		345	22:29		375	22:12		314	22:44		405	22:50		415
vr	26-3				05:45	50		05:52	40		5:59	30		06:13	60		06:00	50		6:19	0		6:25	10
vr	26-3			11:43		351	11:38		338	11:51		328	12:02		358	11:46		294	12:17		388	12:23		398
vr	26-3				18:08	54		18:13	47		18:20	37		18:34	67		18:20	57		18:40	7		18:46	17
vr	26-3			00:02		375	23:58		364	0:11		354	00:22		384	00:05		317	0:37		414	0:43		424
za	27-3			00:02		375	06:43		20		6:50	10	00:22		384	00:05		317	0:37		414	0:43		424
za	27-3				06:37	30	12:28		343	12:41		333	07:04		40	06:51		30	7:10		-20		7:16	-10
za	27-3			12:34		355	19:02		30	19:09		20	12:52		363	12:34		296	13:07		393	13:13		403
za	27-3				18:57	36	00:43		0	0:56		-10	19:23		50	19:08		41	19:29		-10	19:35		0

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
dag datum		tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	28-3	4:57	NM	00:49		375	00:43		364	0:56		354	01:07		384	00:49		316	1:22		414	1:28		424
zo	28-3				07:24	10		07:28	10		7:35	0		07:49	30		07:37	20		7:55	-30		8:01	-20
zo	28-3			13:19		354	13:11		340	13:24		330	13:35		360	13:13		293	13:50		390	13:56		400
zo	28-3				19:41	25		19:44	19		19:51	9		20:05	39		19:52	30		20:11	-21		20:17	-11
ma	29-3			01:32		373	01:24		363	1:37		353	01:48		383	01:27		314	2:03		413	2:09		423
ma	29-3				08:06	10		08:09	0		8:16	-10		08:30	20		08:19	10		8:36	-40		8:42	-30
ma	29-3			13:59		352	13:50		337	14:03		327	14:14		357	13:49		292	14:29		387	14:35		397
ma	29-3				20:21	16		20:24	8		20:31	-2		20:45	28		20:33	21		20:51	-32		20:57	-22
di	30-3			02:11		374	02:02		366	2:15		356	02:26		386	02:04		316	2:41		416	2:47		426
di	30-3				08:46	0		08:48	0		8:55	-10		09:09	10		08:58	10		9:15	-50		9:21	-40
di	30-3			14:37		354	14:26		341	14:39		331	14:50		361	14:26		295	15:05		391	15:11		401
di	30-3				20:59	7		21:03	0		21:10	-10		21:24	14		21:11	12		21:30	-46		21:36	-36
wo	31-3			02:50		378	02:41		373	2:54		363	03:05		393	02:45		320	3:20		423	3:26		433
wo	31-3				09:24	0		09:27	0		9:34	-10		09:48	0		09:36	10		9:54	-60		10:00	-50
wo	31-3			15:15		359	15:03		349	15:16		339	15:27		369	15:08		300	15:42		399	15:48		409
wo	31-3				21:36	0		21:42	-10		21:49	-15		22:03	3		21:50	5		22:09	-57		22:15	-47

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, 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	1-4			03:32		378	03:23		375	3:36		365	03:47		395	03:30		321	4:02		425	4:08		435
do	1-4				10:00	0		10:05	0		10:12	-10		10:26	0		10:14	10		10:32	-60		10:38	-50
do	1-4			15:55		359	15:43		353	15:56		343	16:07		373	15:52		302	16:22		403	16:28		413
do	1-4				22:14	0		22:23	-10		22:30	-20		22:44	2		22:31	4		22:50	-58		22:56	-48
vr	2-4			04:16		369	04:08		366	4:21		356	04:32		386	04:17		314	4:47		416	4:53		426
vr	2-4				10:36	10		10:45	0		10:52	-10		11:06	20		10:54	20		11:12	-40		11:18	-30
vr	2-4			16:38		352	16:27		348	16:40		338	16:51		368	16:38		297	17:06		398	17:12		408
vr	2-4				22:54	9		23:05	0		23:12	-10		23:26	14		23:15	11		23:32	-46		23:38	-36
za	3-4			05:05		350	04:58		346	5:11		336	05:22		366	05:07		297	5:37		396	5:43		406
za	3-4				11:14	30		11:27	20		11:34	10		11:48	40		11:37	30		11:54	-20		12:00	-10
za	3-4			17:26		338	17:15		332	17:28		322	17:39		352	17:25		285	17:54		382	18:00		392
za	3-4	20:39	EK		23:40	27		23:52	16		23:59	6		00:13	30		00:05	20		0:19	-30		0:25	-20
zo	4-4			06:03		326	05:56		319	6:09		309		00:13	30		00:05	20		0:19	-30		0:25	-20
zo	4-4				12:01	50		12:15	50		12:22	40	06:20		339	06:02		276	6:35		369	6:41		379
zo	4-4			18:25		322	18:14		312	18:27		302		12:36	73		12:30	56		12:42	13		12:48	23
zo	4-4				00:46	40		00:49	40		0:56	30	18:38		332	18:21		271	18:53		362	18:59		372
ma	5-4				00:46	40		00:49	40		0:56	30		01:10	60		01:13	40		1:16	0		1:22	10
ma	5-4			07:16		308	07:08		298	7:21		288	07:32		318	07:12		258	7:47		348	7:53		358
ma	5-4				13:41	75		13:22	80		13:29	70		13:43	100		13:50	72		13:49	40		13:55	50
ma	5-4			19:42		313	19:32		299	19:45		289	19:56		319	19:35		262	20:11		349	20:17		359
di	6-4				02:31	50		02:09	60		2:16	50		02:30	80		02:44	50		2:36	20		2:42	30
di	6-4			08:35		306	08:26		295	8:39		285	08:50		315	08:34		253	9:05		345	9:11		355
di	6-4				15:05	72		14:52	86		14:59	76		15:13	106		15:19	73		15:19	46		15:25	56
di	6-4			21:02		321	20:54		306	21:07		296	21:18		326	21:01		266	21:33		356	21:39		366
wo	7-4				03:42	40		03:37	50		3:44	40		03:58	70		04:04	40		4:04	10		4:10	20
wo	7-4			09:53		320	09:43		311	9:56		301	10:07		331	09:54		264	10:22		361	10:28		371
wo	7-4				16:14	59		16:15	66		16:22	56		16:36	86		16:36	61		16:42	26		16:48	36
wo	7-4			22:15		340	22:09		330	22:22		320	22:33		350	22:21		282	22:48		380	22:54		390
do	8-4				04:58	30		04:54	30		5:01	20		05:15	50		05:19	30		5:21	-10		5:27	0
do	8-4			10:59		341	10:55		336	11:08		326	11:19		356	11:03		283	11:34		386	11:40		396
do	8-4				17:28	43		17:28	39		17:35	29		17:49	59		17:44	44		17:55	-1		18:01	9
do	8-4			23:15		360	23:17		355	23:30		345	23:41		375	23:25		301	23:56		405	0:02		415
vr	9-4				06:04	20		06:00	10		6:07	0		06:21	30		06:19	20		23:56	405	0:02		415
vr	9-4			11:54		357	11:58		355	12:11		345	12:22		375	11:58		298		6:27	-30		6:33	-20
vr	9-4				18:26	29		18:28	19		18:35	9		18:49	39		18:39	33		12:37	405	12:43		415
vr	9-4			00:08		369	00:13		366	0:26		356	00:37		386	00:18		311		18:55	-21		19:01	-11

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, 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	10-4			00:08		369	00:13		366	0:26		356	00:37		386	00:18		311	0:52		416	0:58		426
za	10-4				06:53	10		06:55	0		7:02	-10		07:16	20		07:07	20		7:22	-40		7:28	-30
za	10-4			12:42		362	12:48		359	13:01		349	13:12		379	12:44		305	13:27		409	13:33		419
za	10-4				19:13	25		19:17	15		19:24	5		19:38	35		19:24	30		19:44	-25		19:50	-15
zo	11-4			00:53		367	00:59		362	1:12		352	01:23		382	01:01		310	1:38		412	1:44		422
zo	11-4	8:08 VM			07:35	20		07:39	10		7:46	0		08:00	30		07:47	20		8:06	-30		8:12	-20
zo	11-4			13:22		358	13:27		350	13:40		340	13:51		370	13:22		303	14:06		400	14:12		410
zo	11-4				19:52	28		19:57	22		20:04	12		20:18	42		20:02	34		20:24	-18		20:30	-8
ma	12-4			01:31		359	01:35		350	1:48		340	01:59		370	01:35		304	2:14		400	2:20		410
ma	12-4				08:10	20		08:14	20		8:21	10		08:35	40		08:19	30		8:41	-20		8:47	-10
ma	12-4			13:53		354	13:55		344	14:08		334	14:19		364	13:52		301	14:34		394	14:40		404
ma	12-4				20:25	33		20:28	26		20:35	16		20:49	46		20:33	36		20:55	-14		21:01	-4
di	13-4			02:02		355	02:02		344	2:15		334	02:26		364	02:03		300	2:41		394	2:47		404
di	13-4				08:37	30		08:42	20		8:49	10		09:03	40		08:46	30		9:09	-20		9:15	-10
di	13-4			14:19		357	14:17		349	14:30		339	14:41		369	14:19		304	14:56		399	15:02		409
di	13-4				20:50	33		20:55	21		21:02	11		21:16	41		21:01	34		21:22	-19		21:28	-9
wo	14-4			02:32		356	02:28		348	2:41		338	02:52		368	02:30		301	3:07		398	3:13		408
wo	14-4				09:02	30		09:08	10		9:15	0		09:29	30		09:12	30		9:35	-30		9:41	-20
wo	14-4			14:49		366	14:44		363	14:57		353	15:08		383	14:49		311	15:23		413	15:29		423
wo	14-4				21:15	30		21:24	11		21:31	6		21:45	31		21:29	31		21:51	-29		21:57	-19
do	15-4			03:06		361	02:59		355	3:12		345	03:23		375	03:03		305	3:38		405	3:44		415
do	15-4				09:30	30		09:37	10		9:44	0		09:58	30		09:42	30		10:04	-30		10:10	-20
do	15-4			15:25		373	15:19		372	15:32		362	15:43		392	15:23		315	15:58		422	16:04		432
do	15-4				21:46	33		21:55	11		22:02	1		22:16	31		22:01	34		22:22	-29		22:28	-19
vr	16-4			03:43		360	03:35		355	3:48		345	03:59		375	03:40		304	4:14		405	4:20		415
vr	16-4				10:01	40		10:08	20		10:15	10		10:29	40		10:14	40		10:35	-20		10:41	-10
vr	16-4			16:02		372	15:54		369	16:07		359	16:18		389	15:58		315	16:33		419	16:39		429
vr	16-4				22:20	46		22:28	25		22:35	15		22:49	45		22:35	47		22:55	-15		23:01	-5
za	17-4			04:19		353	04:10		345	4:23		335	04:34		365	04:16		298	4:49		395	4:55		405
za	17-4				10:32	60		10:38	40		10:45	30		10:59	60		10:45	60		11:05	0		11:11	10
za	17-4			16:37		366	16:28		359	16:41		349	16:52		379	16:32		309	17:07		409	17:13		419
za	17-4				22:55	66		22:59	48		23:06	38		23:20	68		23:09	66		23:26	8		23:32	18
zo	18-4			04:56		343	04:46		330	4:59		320	05:10		350	04:52		288	5:25		380	5:31		390
zo	18-4				10:59	80		11:08	70		11:15	60		11:29	90		11:17	80		11:35	30		11:41	40
zo	18-4			17:12		360	17:02		348	17:15		338	17:26		368	17:06		304	17:41		398	17:47		408
zo	18-4				23:33	85		23:34	69		23:41	59		23:55	89		23:48	85		0:01	20		0:07	30

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
ma	19-4			05:36		334	05:25		317	5:38		307	05:49		337	05:32		279		0:01	20		0:07	30
ma	19-4	11:57	LK		11:32	100		11:45	90		11:52	80		12:06	110		11:56	100	6:04		367	6:10		377
ma	19-4			17:54		357	17:43		341	17:56		331	18:07		361	17:51		301		12:12	51		12:18	61
ma	19-4				00:21	90		00:17	80		0:24	70		00:38	100		00:37	90	18:22		391	18:28		401
di	20-4				00:21	90		00:17	80		0:24	70		00:38	100		00:37	90		0:44	40		0:50	50
di	20-4			06:24		330	06:15		308	6:28		298	06:39		328	06:26		273	6:54		358	7:00		368
di	20-4				12:32	111		12:35	105		12:42	95		12:56	125		12:51	112		13:02	65		13:08	75
di	20-4			18:46		357	18:38		337	18:51		327	19:02		357	18:53		301	19:17		387	19:23		397
wo	21-4				01:21	90		01:17	90		1:24	80		01:38	110		01:40	90		1:44	50		1:50	60
wo	21-4			07:22		331	07:19		307	7:32		297	07:43		327	07:35		273	7:58		357	8:04		367
wo	21-4				13:40	106		13:43	111		13:50	101		14:04	131		14:01	110		14:10	71		14:16	81
wo	21-4			19:48		360	19:49		338	20:02		328	20:13		358	20:05		304	20:28		388	20:34		398
do	22-4				02:27	80		02:36	80		2:43	70		02:57	100		02:54	80		3:03	40		3:09	50
do	22-4			08:30		336	08:35		315	8:48		305	08:59		335	08:53		280	9:14		365	9:20		375
do	22-4				14:49	92		15:09	100		15:16	90		15:30	120		15:18	96		15:36	60		15:42	70
do	22-4			21:03		365	21:09		348	21:22		338	21:33		368	21:21		311	21:48		398	21:54		408
vr	23-4				03:41	60		04:02	60		4:09	50		04:23	80		04:13	60		4:29	20		4:35	30
vr	23-4			09:55		344	09:54		331	10:07		321	10:18		351	10:08		290	10:33		381	10:39		391
vr	23-4				16:07	73		16:30	72		16:37	62		16:51	92		16:39	74		16:57	32		17:03	42
vr	23-4			22:25		371	22:21		361	22:34		351	22:45		381	22:31		317	23:00		411	23:06		421
za	24-4				05:01	40		05:10	30		5:17	20		05:31	50		05:21	40		5:37	-10		5:43	0
za	24-4			11:08		353	11:00		344	11:13		334	11:24		364	11:11		297	11:39		394	11:45		404
za	24-4				17:28	52		17:34	45		17:41	35		17:55	65		17:44	52		18:01	5		18:07	15
za	24-4			23:28		376	23:20		369	23:33		359	23:44		389	23:29		319	23:59		419	0:05		429
zo	25-4				06:02	20		06:05	10		6:12	0		06:26	30		06:17	20	23:59		419	0:05		429
zo	25-4			12:03		357	11:54		348	12:07		338	12:18		368	12:01		298		6:32	-30		6:38	-20
zo	25-4				18:25	35		18:27	28		18:34	18		18:48	48		18:38	37	12:33		398	12:39		408
zo	25-4			00:19		376	00:10		369	0:23		359	00:34		389	00:16		317		18:54	-12		19:00	-2
ma	26-4			00:19		376	00:10		369	0:23		359	00:34		389	00:16		317	0:49		419	0:55		429
ma	26-4				06:53	10		06:54	0		7:01	-10		07:15	20		07:07	20		7:21	-40		7:27	-30
ma	26-4	14:16	NM	12:50		357	12:40		347	12:53		337	13:04		367	12:43		296	13:19		397	13:25		407
ma	26-4				19:13	23		19:14	16		19:21	6		19:35	36		19:25	27		19:41	-24		19:47	-14
di	27-4			01:05		375	00:55		369	1:08		359	01:19		389	00:57		317	1:34		419	1:40		429
di	27-4				07:39	10		07:39	0		7:46	-10		08:00	10		07:52	10		8:06	-50		8:12	-40
di	27-4			13:33		358	13:22		348	13:35		338	13:46		368	13:21		298	14:01		398	14:07		408
di	27-4				19:58	13		19:58	2		20:05	-8		20:19	22		20:09	18		20:25	-38		20:31	-28

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	28-4			01:49		376	01:39		372	1:52		362	02:03		392	01:38		320	2:18		422	2:24		432
wo	28-4				08:22	0		08:22	0		8:29	-10		08:43	10		08:34	10		8:49	-50		8:55	-40
wo	28-4			14:13		362	14:03		355	14:16		345	14:27		375	14:02		305	14:42		405	14:48		415
wo	28-4				20:40	2		20:41	-10		20:48	-20		21:02	6		20:52	7		21:08	-54		21:14	-44
do	29-4			02:32		378	02:24		376	2:37		366	02:48		396	02:24		322	3:03		426	3:09		436
do	29-4				09:03	0		09:04	0		9:11	-10		09:25	0		09:15	0		9:31	-60		9:37	-50
do	29-4			14:55		367	14:45		364	14:58		354	15:09		384	14:47		311	15:24		414	15:30		424
do	29-4				21:21	0		21:24	-20		21:31	-30		21:45	0		21:36	0		21:51	-60		21:57	-50
vr	30-4			03:18		374	03:11		374	3:24		364	03:35		394	03:14		320	3:50		424	3:56		434
vr	30-4				09:42	0		09:47	0		9:54	-10		10:08	0		09:57	10		10:14	-60		10:20	-50
vr	30-4			15:38		368	15:29		367	15:42		357	15:53		387	15:36		313	16:08		417	16:14		427
vr	30-4				22:02	0		22:08	-20		22:15	-25		22:29	0		22:20	0		22:35	-60		22:41	-50

getijden 2016				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	1-5			04:06		363	03:59		362	4:12		352	04:23		382	04:05		310	4:38		412	4:44		422
za	1-5				10:21	10		10:29	0		10:36	-10		10:50	20		10:40	20		10:56	-40		11:02	-30
za	1-5			16:24		361	16:15		362	16:28		352	16:39		382	16:24		307	16:54		412	17:00		422
za	1-5				22:46	6		22:53	-10		23:00	-20		23:14	10		23:07	8		23:20	-50		23:26	-40
zo	2-5			04:58		344	04:51		341	5:04		331	05:15		361	04:58		293	5:30		391	5:36		401
zo	2-5				11:01	30		11:12	20		11:19	10		11:33	40		11:25	30		11:39	-20		11:45	-10
zo	2-5			17:14		349	17:04		348	17:17		338	17:28		368	17:14		296	17:43		398	17:49		408
zo	2-5				23:39	25		23:41	13		23:48	310		00:02	30		00:01	20		0:08	-30		0:14	-20
ma	3-5	4:47	EK	05:56		325	05:48		320	6:01		310	06:12		340	05:54		274	6:27		370	6:33		380
ma	3-5				11:53	50		12:01	50		12:08	40		06:12	340	05:54		274	6:27		370	6:33		380
ma	3-5			18:13		337	18:02		333	18:15		323	18:22		72	18:19		55	18:28		12	18:34		22
ma	3-5				00:58	40		00:38	30		0:45	20		18:26	353	18:10		285	18:41		383	18:47		393
di	4-5				00:58	40		00:38	30		0:45	20		00:59	50		01:08	40		1:05	-10		1:11	0
di	4-5			07:01		314	06:52		305	7:05		295	07:16		325	06:58		262	7:31		355	7:37		365
di	4-5				13:26	70		13:04	75		13:11	65		13:25	95		13:32	70		13:31	35		13:37	45
di	4-5			19:21		333	19:11		325	19:24		315	19:35		345	19:18		280	19:50		375	19:56		385
wo	5-5				02:09	40		01:51	50		1:58	40		02:12	70		02:23	40		2:18	10		2:24	20
wo	5-5			08:09		315	08:02		305	8:15		295	08:26		325	08:11		261	8:41		355	8:47		365
wo	5-5				14:36	68		14:24	81		14:31	71		14:45	101		14:49	71		14:51	41		14:57	51
wo	5-5			20:33		339	20:26		331	20:39		321	20:50		351	20:35		284	21:05		381	21:11		391
do	6-5				03:12	40		03:09	40		3:16	30		03:30	60		03:34	40		3:36	0		3:42	10
do	6-5			09:21		327	09:14		319	9:27		309	09:38		339	09:25		271	9:53		369	9:59		379
do	6-5				15:41	60		15:42	68		15:49	58		16:03	88		16:02	62		16:09	28		16:15	38
do	6-5			21:43		353	21:39		347	21:52		337	22:03		367	21:51		296	22:18		397	22:24		407
vr	7-5				04:19	30		04:21	30		4:28	20		04:42	50		04:45	30		4:48	-10		4:54	0
vr	7-5			10:29		344	10:25		339	10:38		329	10:49		359	10:33		287	11:04		389	11:10		399
vr	7-5				16:54	48		16:53	47		17:00	37		17:14	67		17:12	49		17:20	7		17:26	17
vr	7-5			22:47		364	22:46		362	22:59		352	23:10		382	22:56		308	23:25		412	23:31		422
za	8-5				05:32	20		05:26	10		5:33	0		05:47	30		05:48	20		5:53	-30		5:59	-20
za	8-5			11:27		356	11:27		353	11:40		343	11:51		373	11:30		299	12:06		403	12:12		413
za	8-5				17:58	35		17:55	30		18:02	20		18:16	50		18:10	38		18:22	-10		18:28	0
za	8-5			23:42		366	23:44		365	23:57		355	00:08		385	23:49		310	0:23		415	0:29		425
zo	9-5				06:24	20		06:21	10		6:28	0		00:08	385		06:37	20		0:23	415	0:29		425
zo	9-5			12:15		358	12:16		354	12:29		344	06:42		30	12:16		303	6:48		-30		6:54	-20
zo	9-5				18:46	30		18:45	25		18:52	15		12:40	374		18:57	35		12:55	404	13:01		414
zo	9-5			00:28		359	00:29		354	0:42		344	19:06		45	00:32		304		19:12	-15		19:18	-5

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, 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	10-5			00:28		359	00:29		354	0:42		344	00:53		374	00:32		304	1:08		404	1:14		414
ma	10-5				07:05	20		07:05	10		7:12	0		07:26	30		07:16	30		7:32	-30		7:38	-20
ma	10-5			12:54		353	12:52		347	13:05		337	13:16		367	12:52		301	13:31		397	13:37		407
ma	10-5	23:43	VM		19:25	32		19:25	27		19:32	17		19:46	47		19:34	37		19:52	-13		19:58	-3
di	11-5			01:05		350	01:03		342	1:16		332	01:27		362	01:05		297	1:42		392	1:48		402
di	11-5				07:39	30		07:40	20		7:47	10		08:01	40		07:47	30		8:07	-20		8:13	-10
di	11-5			13:23		353	13:17		347	13:30		337	13:41		367	13:20		302	13:56		397	14:02		407
di	11-5				19:57	34		19:57	26		20:04	16		20:18	46		20:04	38		20:24	-14		20:30	-4
wo	12-5			01:36		348	01:30		342	1:43		332	01:54		362	01:32		296	2:09		392	2:15		402
wo	12-5				08:06	30		08:10	20		8:17	10		08:31	40		08:14	30		8:37	-20		8:43	-10
wo	12-5			13:50		361	13:43		361	13:56		351	14:07		381	13:48		309	14:22		411	14:28		421
wo	12-5				20:24	32		20:27	17		20:34	7		20:48	37		20:32	34		20:54	-23		21:00	-13
do	13-5			02:07		354	01:59		353	2:12		343	02:23		373	02:04		302	2:38		403	2:44		413
do	13-5				08:34	30		08:39	10		8:46	0		09:00	30		08:43	30		9:06	-30		9:12	-20
do	13-5			14:23		375	14:17		378	14:30		368	14:41		398	14:22		320	14:56		428	15:02		438
do	13-5				20:52	30		20:59	9		21:06	4		21:20	29		21:04	32		21:26	-31		21:32	-21
vr	14-5			02:44		362	02:36		364	2:49		354	03:00		384	02:41		309	3:15		414	3:21		424
vr	14-5				09:06	30		09:12	10		9:19	0		09:33	30		09:16	30		9:39	-30		9:45	-20
vr	14-5			15:01		383	14:55		387	15:08		377	15:19		407	15:01		327	15:34		437	15:40		447
vr	14-5				21:26	37		21:34	13		21:41	3		21:55	33		21:40	39		22:01	-27		22:07	-17
za	15-5			03:23		363	03:15		363	3:28		353	03:39		383	03:22		309	3:54		413	4:00		423
za	15-5				09:40	50		09:46	30		9:53	20		10:07	50		09:51	50		10:13	-10		10:19	0
za	15-5			15:39		383	15:33		384	15:46		374	15:57		404	15:40		326	16:12		434	16:18		444
za	15-5				22:02	52		22:08	31		22:15	21		22:29	51		22:15	54		22:35	-9		22:41	1
zo	16-5			04:00		356	03:51		351	4:04		341	04:15		371	04:01		301	4:30		401	4:36		411
zo	16-5				10:12	70		10:17	50		10:24	40		10:38	70		10:23	70		10:44	10		10:50	20
zo	16-5			16:13		377	16:07		373	16:20		363	16:31		393	16:14		320	16:46		423	16:52		433
zo	16-5				22:37	70		22:40	54		22:47	44		23:01	74		22:50	71		23:07	14		23:13	24
ma	17-5			04:35		346	04:26		335	4:39		325	04:50		355	04:35		290	5:05		385	5:11		395
ma	17-5				10:41	80		10:48	70		10:55	60		11:09	90		10:55	90		11:15	30		11:21	40
ma	17-5			16:47		371	16:40		363	16:53		353	17:04		383	16:45		315	17:19		413	17:25		423
ma	17-5				23:14	82		23:14	68		23:21	58		23:35	88		23:27	83		23:41	28		23:47	38
di	18-5			05:13		339	05:03		323	5:16		313	05:27		343	05:11		283	5:42		373	5:48		383
di	18-5				11:16	90		11:23	80		11:30	70		11:44	100		11:33	90		11:50	40		11:56	50
di	18-5			17:26		370	17:19		359	17:32		349	17:43		379	17:23		313	17:58		409	18:04		419
di	18-5				23:59	84		23:55	71		0:02	61		00:16	90		00:12	80		0:22	30		0:28	40

getijden 2016				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	19-5	2:33	LK	05:59		337	05:49		318	6:02		308	00:16		90	00:12		80	0:22		30	0:28		40
wo	19-5				12:08	90		12:09	80		12:16	70	06:13		338	05:58		280	6:28		368	6:34		378
wo	19-5			18:16		371	18:09		358	18:22		348	12:30		107	12:25		99	12:36		47	12:42		57
wo	19-5				00:53	70		00:49	60		0:56	50	18:33		378	18:18		314	18:48		408	18:54		418
do	20-5				00:53	70		00:49	60		0:56	50	01:10		80	01:10		80	1:16		20	1:22		30
do	20-5			06:53		339	06:48		319	7:01		309	07:12		339	06:59		282	7:27		369	7:33		379
do	20-5				13:10	88		13:10	86		13:17	76	13:31		106	13:29		93	13:37		46	13:43		56
do	20-5			19:14		372	19:13		357	19:26		347	19:37		377	19:24		314	19:52		407	19:58		417
vr	21-5				01:54	60		01:58	60		2:05	50	02:19		80	02:16		60	2:25		20	2:31		30
vr	21-5			07:55		342	07:58		325	8:11		315	08:22		345	08:09		286	8:37		375	8:43		385
vr	21-5				14:14	77		14:25	80		14:32	70	14:46		100	14:39		82	14:52		40	14:58		50
vr	21-5			20:19		372	20:26		360	20:39		350	20:50		380	20:35		316	21:05		410	21:11		420
za	22-5				03:01	50		03:16	40		3:23	30	03:37		60	03:29		50	3:43		0	3:49		10
za	22-5			09:11		346	09:13		335	9:26		325	09:37		355	09:24		291	9:52		385	9:58		395
za	22-5				15:25	66		15:44	63		15:51	53	16:05		83	15:56		67	16:11		23	16:17		33
za	22-5			21:37		372	21:38		367	21:51		357	22:02		387	21:47		318	22:17		417	22:23		427
zo	23-5				04:16	30		04:27	20		4:34	10	04:48		40	04:41		40	4:54		-20	5:00		-10
zo	23-5			10:29		352	10:21		345	10:34		335	10:45		365	10:31		296	11:00		395	11:06		405
zo	23-5				16:45	53		16:53	42		17:00	32	17:14		62	17:07		52	17:20		2	17:26		12
zo	23-5			22:50		373	22:42		371	22:55		361	23:06		391	22:50		319	23:21		421	23:27		431
ma	24-5				05:25	20		05:27	0		5:34	-10	05:48		20	05:42		20	5:54		-40	6:00		-30
ma	24-5			11:31		356	11:18		351	11:31		341	11:42		371	11:25		299	11:57		401	12:03		411
ma	24-5				17:51	39		17:52	26		17:59	16	18:13		46	18:06		39	18:19		-14	18:25		-4
ma	24-5			23:49		373	23:37		373	23:50		363	00:01		393	23:43		319	0:16		423	0:22		433
di	25-5				06:21	20		06:21	0		6:28	-10	00:01		393	06:36		20	0:16		423	0:22		433
di	25-5			12:22		358	12:09		354	12:22		344	06:42		20	12:11		301	6:48		-40	6:54		-30
di	25-5				18:46	27		18:44	12		18:51	2	12:33		374	18:58		29	12:48		404	12:54		414
di	25-5	21:44	NM	00:40		373	00:29		374	0:42		364	19:05		32	00:30		319	19:11		-28	19:17		-18
wo	26-5			00:40		373	00:29		374	0:42		364	00:53		394	00:30		319	1:08		424	1:14		434
wo	26-5				07:12	10		07:11	0		7:18	-10	07:32		10	07:25		20	7:38		-50	7:44		-40
wo	26-5			13:08		361	12:56		358	13:09		348	13:20		378	12:54		306	13:35		408	13:41		418
wo	26-5				19:36	14		19:34	0		19:41	-10	19:55		17	19:48		17	20:01		-43	20:07		-33
do	27-5			01:29		373	01:19		374	1:32		364	01:43		394	01:17		321	1:58		424	2:04		434
do	27-5				08:00	10		07:59	0		8:06	-10	08:20		10	08:11		10	8:26		-50	8:32		-40
do	27-5			13:52		367	13:43		366	13:56		356	14:07		386	13:40		313	14:22		416	14:28		426
do	27-5				20:23	2		20:22	-10		20:29	-20	20:43		3	20:36		6	20:49		-57	20:55		-47

getijden 2016				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
dag datum		maan	tijd fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
vr	28-5			02:17		373	02:11		374	2:24		364	02:35		394	02:08		321	2:50		424	2:56		434
vr	28-5				08:46	0		08:46	0		8:53	-10		09:07	0		08:57	10		9:13	-60		9:19	-50
vr	28-5			14:37		372	14:30		372	14:43		362	14:54		392	14:30		319	15:09		422	15:15		432
vr	28-5				21:11	0		21:10	-20		21:17	-30		21:31	0		21:25	0		21:37	-60		21:43	-50
za	29-5			03:07		368	03:03		368	3:16		358	03:27		388	03:02		317	3:42		418	3:48		428
za	29-5				09:30	10		09:33	0		9:40	-10		09:54	10		09:44	10		10:00	-50		10:06	-40
za	29-5			15:23		373	15:18		374	15:31		364	15:42		394	15:22		320	15:57		424	16:03		434
za	29-5				21:58	0		21:58	-20		22:05	-25		22:19	0		22:14	0		22:25	-60		22:31	-50
zo	30-5			03:57		358	03:54		356	4:07		346	04:18		376	03:55		307	4:33		406	4:39		416
zo	30-5				10:15	20		10:18	0		10:25	-10		10:39	20		10:30	20		10:45	-40		10:51	-30
zo	30-5			16:11		368	16:06		369	16:19		359	16:30		389	16:12		315	16:45		419	16:51		429
zo	30-5				22:48	10		22:44	0		22:51	-10		23:05	14		23:04	11		23:11	-46		23:17	-36
ma	31-5			04:48		344	04:44		340	4:57		330	05:08		360	04:47		293	5:23		390	5:29		400
ma	31-5				11:01	30		11:02	20		11:09	10		11:23	40		11:17	30		11:29	-20		11:35	-10
ma	31-5			17:01		360	16:54		359	17:07		349	17:18		379	17:01		308	17:33		409	17:39		419
ma	31-5				23:42	26		23:32	16		23:39	6		23:53	36		23:55	27		23:59	-30		0:05	-20

getijden 2016				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	
di	1-6			05:42		331	05:35		325	5:48		315	05:59		345	05:39		280		23:59	-30		0:05	-20	
di	1-6				11:56	50		11:49	40		11:56	30		12:10	60		12:08	50		6:14		375		6:20	385
di	1-6	14:42	EK	17:55		353	17:46		351	17:59		341	18:10		371	17:52		301		12:16	8		12:22	18	
di	1-6				00:40	40		00:23	30		0:30	20		00:44	50		00:51	40		17:52		371		17:58	381
wo	2-6				00:40	40		00:23	30		0:30	20		00:44	50		00:51	40			0:50	-10		0:56	0
wo	2-6			06:37		325	06:29		316	6:42		306	06:53		336	06:35		272		7:08		366		7:14	376
wo	2-6				12:59	65		12:43	64		12:50	54		13:04	84		13:06	67			13:10	24		13:16	34
wo	2-6			18:55		351	18:45		346	18:58		336	19:09		366	18:51		297		19:24		396		19:30	406
do	3-6				01:38	40		01:24	40		1:31	30		01:45	60		01:51	40			1:51	0		1:57	10
do	3-6			07:36		327	07:29		316	7:42		306	07:53		336	07:38		272		8:08		366		8:14	376
do	3-6				14:01	66		13:49	71		13:56	61		14:10	91		14:12	70			14:16	31		14:22	41
do	3-6			19:57		354	19:51		347	20:04		337	20:15		367	19:59		298		20:30		397		20:36	407
vr	4-6				02:34	40		02:30	40		2:37	30		02:51	60		02:53	50			2:57	0		3:03	10
vr	4-6			08:38		334	08:35		324	8:48		314	08:59		344	08:44		279		9:14		374		9:20	384
vr	4-6				15:01	61		14:59	66		15:06	56		15:20	86		15:19	65			15:26	26		15:32	36
vr	4-6			21:02		358	20:59		351	21:12		341	21:23		371	21:10		302		21:38		401		21:44	411
za	5-6				03:32	40		03:38	30		3:45	20		03:59	50		03:58	40			4:05	-10		4:11	0
za	5-6			09:46		342	09:42		335	9:55		325	10:06		355	09:51		289		10:21		385		10:27	395
za	5-6				16:06	54		16:09	54		16:16	44		16:30	74		16:28	55			16:36	14		16:42	24
za	5-6			22:09		359	22:06		354	22:19		344	22:30		374	22:16		304		22:45		404		22:51	414
zo	6-6				04:39	30		04:42	20		4:49	10		05:03	40		05:04	40			5:09	-20		5:15	-10
zo	6-6			10:50		349	10:45		343	10:58		333	11:09		363	10:52		297		11:24		393		11:30	403
zo	6-6				17:20	45		17:13	41		17:20	31		17:34	61		17:33	46			17:40	1		17:46	11
zo	6-6			23:09		356	23:07		350	23:20		340	23:31		370	23:14		302		23:46		400		23:52	410
ma	7-6				05:45	30		05:39	20		5:46	10		06:00	40		06:00	30		23:46		400		23:52	410
ma	7-6			11:41		351	11:36		345	11:49		335	12:00		365	11:41		300			6:06	-20		6:12	-10
ma	7-6				18:15	39		18:08	34		18:15	24		18:29	54		18:25	43		12:15		395		12:21	405
ma	7-6			23:59		348	23:55		342	0:08		332	00:19		362	23:59		296			18:35	-6		18:41	4
di	8-6				06:31	30		06:27	20		6:34	10		00:19	362		06:42	40		0:34		392		0:40	402
di	8-6			12:21		351	12:14		345	12:27		335		06:48	40	12:18		300			6:54	-20		7:00	-10
di	8-6				18:56	39		18:51	32		18:58	22		12:38	365		19:04	44		12:53		395		12:59	405
di	8-6			00:39		343	00:31		336	0:44		326		19:12	52	00:34		292			19:18	-8		19:24	2
wo	9-6			00:39		343	00:31		336	0:44		326	00:55		356	00:34		292		1:10		386		1:16	396
wo	9-6				07:07	40		07:06	30		7:13	20		07:27	50		07:15	40			7:33	-10		7:39	0
wo	9-6	15:10	VM	12:52		355	12:44		352	12:57		342	13:08		372	12:49		306		13:23		402		13:29	412
wo	9-6				19:30	40		19:28	29		19:35	19		19:49	49		19:36	45			19:55	-11		20:01	-1

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, 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	10-6			01:12		345	01:02		341	1:15		331	01:26		361	01:05		296	1:41		391	1:47		401	
do	10-6				07:38	40		07:41	20		7:48	10		08:02	40		07:45	40		8:08	-20		8:14	-10	
do	10-6			13:24		368	13:16		368	13:29		358	13:40		388	13:21		317	13:55		418	14:01		428	
do	10-6				20:00	39		20:02	23		20:09	13		20:23	43		20:08	42		20:29	-17		20:35	-7	
vr	11-6			01:47		355	01:35		355	1:48		345	01:59		375	01:40		306	2:14		405	2:20		415	
vr	11-6				08:11	40		08:15	20		8:22	10		08:36	40		08:17	40		8:42	-20		8:48	-10	
vr	11-6			14:01		382	13:54		386	14:07		376	14:18		406	13:58		330	14:33		436	14:39		446	
vr	11-6				20:33	39		20:38	18		20:45	8		20:59	38		20:43	41		21:05	28		21:11	-12	
za	12-6			02:25		364	02:14		366	2:27		356	02:38		386	02:20		314	2:53		416	2:59		426	
za	12-6				08:46	40		08:51	20		8:58	10		09:12	40		08:54	40		9:18	-20		9:24	-10	
za	12-6			14:41		390	14:34		394	14:47		384	14:58		414	14:40		338	15:13		444	15:19		454	
za	12-6				21:10	44		21:15	23		21:22	18		21:36	43		21:21	46		21:42	-17		21:48	-7	
zo	13-6			03:05		366	02:54		365	3:07		355	03:18		385	03:04		314	3:33		415	3:39		425	
zo	13-6				09:22	50		09:27	30		9:34	20		09:48	50		09:30	50		9:54	-10		10:00	0	
zo	13-6			15:19		390	15:11		390	15:24		380	15:35		410	15:20		336	15:50		440	15:56		450	
zo	13-6				21:46	55		21:51	37		21:58	27		22:12	57		21:58	57		22:18	-3		22:24	7	
ma	14-6			03:42		359	03:32		352	3:45		342	03:56		372	03:44		305	4:11		402	4:17		412	
ma	14-6				09:55	70		10:00	50		10:07	40		10:21	70		10:05	70		10:27	10		10:33	20	
ma	14-6			15:52		383	15:45		379	15:58		369	16:09		399	15:56		328	16:24		429	16:30		439	
ma	14-6				22:21	65		22:24	52		22:31	42		22:45	72		22:33	68		22:51	12		22:57	22	
di	15-6			04:17		349	04:06		337	4:19		327	04:30		357	04:19		294	4:45		387	4:51		397	
di	15-6				10:27	80		10:31	70		10:38	60		10:52	90		10:38	80		10:58	30		11:04	40	
di	15-6			16:25		379	16:18		372	16:31		362	16:42		392	16:27		322	16:57		422	17:03		432	
di	15-6				22:57	69		22:58	58		23:05	48		23:19	78		23:09	73		23:25	18		23:31	28	
wo	16-6			04:53		342	04:41		327	4:54		317	05:05		347	04:53		287	5:20		377	5:26		387	
wo	16-6				11:02	80		11:06	70		11:13	60		11:27	90		11:15	80		11:33	30		11:39	40	
wo	16-6			17:03		378	16:56		370	17:09		360	17:20		390	17:01		320	17:35		420	17:41		430	
wo	16-6				23:38	66		23:36	55		23:43	45		23:57	75		23:50	70		0:03	10		0:09	20	
do	17-6			05:35		342	05:23		325	5:36		315	05:47		345	05:34		286		0:03	10		0:09	20	
do	17-6				11:48	70		11:48	60		11:55	50		12:09	80		12:02	80		6:02		375	6:08		385
do	17-6	13:33	LK	17:50		379	17:42		369	17:55		359	18:06		389	17:49		321		12:15	27		12:21	37	
do	17-6				00:26	50		00:24	40		0:31	30		00:45	60		00:41	60		18:21		419	18:27		429
vr	18-6				00:26	50		00:24	40		0:31	30		00:45	60		00:41	60		0:51	0		0:57	10	
vr	18-6			06:26		344	06:16		325	6:29		315	06:40		345	06:27		287	6:55		375	7:01		385	
vr	18-6				12:42	71		12:42	64		12:49	54		13:03	84		12:59	75		13:09	24		13:15	34	
vr	18-6			18:43		379	18:40		366	18:53		356	19:04		386	18:48		320	19:19		416	19:25		426	

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		datum		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	19-6				01:22	50		01:24	40		1:31	30		01:45	60		01:40	50		1:51	0		1:57	10
za	19-6			07:23		345	07:20		326	7:33		316	07:44		346	07:28		289	7:59		376	8:05		386
za	19-6				13:42	67		13:47	64		13:54	54		14:08	84		14:03	71		14:14	24		14:20	34
za	19-6			19:43		374	19:47		363	20:00		353	20:11		383	19:53		318	20:26		413	20:32		423
zo	20-6				02:24	50		02:35	40		2:42	30		02:56	60		02:48	50		3:02	0		3:08	10
zo	20-6			08:30		344	08:31		329	8:44		319	08:55		349	08:37		290	9:10		379	9:16		389
zo	20-6				14:48	65		15:01	60		15:08	50		15:22	80		15:16	66		15:28	20		15:34	30
zo	20-6			20:53		368	20:58		362	21:11		352	21:22		382	21:03		316	21:37		412	21:43		422
ma	21-6				03:37	40		03:47	30		3:54	20		04:08	50		04:02	40		4:14	-10		4:20	0
ma	21-6			09:49		346	09:41		335	9:54		325	10:05		355	09:47		293	10:20		385	10:26		395
ma	21-6				16:07	59		16:15	48		16:22	38		16:36	68		16:30	58		16:42	8		16:48	18
ma	21-6			22:14		366	22:06		363	22:19		353	22:30		383	22:11		315	22:45		413	22:51		423
di	22-6				04:49	40		04:52	20		4:59	10		05:13	40		05:08	40		5:19	-20		5:25	-10
di	22-6			10:59		351	10:45		343	10:58		333	11:09		363	10:48		297	11:24		393	11:30		403
di	22-6				17:20	47		17:20	32		17:27	22		17:41	52		17:36	47		17:47	-8		17:53	2
di	22-6			23:23		366	23:09		365	23:22		355	23:33		385	23:12		316	23:52		415	23:56		425
wo	23-6				05:52	30		05:51	10		5:58	0		06:12	30		06:07	30		23:52	415	23:56		425
wo	23-6			11:56		356	11:41		351	11:54		341	12:05		371	11:42		303		6:18	-30		6:24	-20
wo	23-6				18:21	32		18:20	16		18:27	6		18:41	36		18:34	34		12:20	401	12:26		411
wo	23-6			00:21		367	00:08		367	0:21		357	00:32		387	00:09		317		18:47	-24		18:53	-14
do	24-6	4:31	NM	00:21		367	00:08		367	0:21		357	00:32		387	00:09		317	0:47		417	0:53		427
do	24-6				06:49	20		06:48	0		6:55	-10		07:09	20		07:01	20		7:15	-40		7:21	-30
do	24-6			12:47		363	12:35		359	12:48		349	12:59		379	12:33		310	13:14		409	13:20		419
do	24-6				19:19	17		19:16	0		19:23	-10		19:37	20		19:30	21		19:43	-40		19:49	-30
vr	25-6			01:15		369	01:06		368	1:19		358	01:30		388	01:03		318	1:45		418	1:51		428
vr	25-6				07:44	10		07:43	0		7:50	-10		08:04	20		07:54	20		8:10	-40		8:16	-30
vr	25-6			13:35		370	13:28		368	13:41		358	13:52		388	13:25		318	14:07		418	14:13		428
vr	25-6				20:14	5		20:11	-10		20:18	-20		20:32	9		20:24	9		20:38	-51		20:44	-41
za	26-6			02:06		368	02:03		368	2:16		358	02:27		388	01:58		318	2:42		418	2:48		428
za	26-6				08:35	10		08:35	0		8:42	-10		08:56	10		08:45	10		9:02	-50		9:08	-40
za	26-6			14:23		375	14:21		373	14:34		363	14:45		393	14:18		323	15:00		423	15:06		433
za	26-6				21:06	0		21:03	-10		21:10	-20		21:24	5		21:17	4		21:30	-55		21:36	-45
zo	27-6			02:57		365	02:57		363	3:10		353	03:21		383	02:51		313	3:36		413	3:42		423
zo	27-6				09:23	10		09:25	0		9:32	-10		09:46	20		09:34	20		9:52	-40		9:58	-30
zo	27-6			15:10		377	15:11		374	15:24		364	15:35		394	15:10		323	15:50		424	15:56		434
zo	27-6				21:54	5		21:52	0		21:59	-5		22:13	12		22:07	9		22:19	2		22:25	-38

getijden 2016				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		
ma	28-6			HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
ma	28-6			03:45		357	03:47		353	4:00		343	04:11		373	03:43		305	4:26		403	4:32		413
ma	28-6				10:10	20		10:10	10		10:17	0		10:31	30		10:21	30		10:37	-30		10:43	-20
ma	28-6			15:57		374	15:57		370	16:10		360	16:21		390	15:59		320	16:36		420	16:42		430
ma	28-6				22:41	19		22:37	8		22:44	-2		22:58	28		22:54	22		23:04	-32		23:10	-22
di	29-6			04:33		348	04:33		340	4:46		330	04:57		360	04:31		295	5:12		390	5:18		400
di	29-6				10:54	40		10:52	30		10:59	20		11:13	50		11:05	40		11:19	-10		11:25	0
di	29-6			16:44		369	16:41		364	16:54		354	17:05		384	16:44		315	17:20		414	17:26		424
di	29-6				23:27	35		23:19	25		23:26	15		23:40	45		23:39	38		23:46	-15		23:52	-5
wo	30-6			05:20		341	05:16		329	5:29		319	05:40		349	05:17		286	5:55		379	6:01		389
wo	30-6				11:38	50		11:33	40		11:40	30		11:54	60		11:48	50		12:00	0		12:06	10
wo	30-6			17:32		365	17:25		359	17:38		349	17:49		379	17:27		310	18:04		409	18:10		419
wo	30-6				00:12	40		00:02	30		0:09	20		00:23	50		00:23	50		0:29	-10		0:35	0

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, 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	1-7	2:51	EK		00:12	40		00:02	30		0:09	20		00:23	50		00:23	50		0:29	-10		0:35	0
do	1-7			06:08		337	06:01		324	6:14		314	06:25		344	06:03		282	6:40		374	6:46		384
do	1-7				12:25	65		12:18	58		12:25	48		12:39	78		12:34	68		12:45	18		12:51	28
do	1-7			18:23		361	18:14		354	18:27		344	18:38		374	18:16		307	18:53		404	18:59		414
vr	2-7				01:01	50		00:51	40		0:58	30		01:12	60		01:12	50		1:18	0		1:24	10
vr	2-7			06:58		337	06:52		323	7:05		313	07:16		343	06:57		282	7:31		373	7:37		383
vr	2-7				13:19	68		13:11	64		13:18	54		13:32	84		13:29	71		13:38	24		13:44	34
vr	2-7			19:19		358	19:11		349	19:24		339	19:35		369	19:16		303	19:50		399	19:56		409
za	3-7				01:53	50		01:48	50		1:55	40		02:09	70		02:08	50		2:15	10		2:21	20
za	3-7			07:53		338	07:50		324	8:03		314	08:14		344	07:58		284	8:29		374	8:35		384
za	3-7				14:18	66		14:14	67		14:21	57		14:35	87		14:32	70		14:41	27		14:47	37
za	3-7			20:19		354	20:15		343	20:28		333	20:39		363	20:24		299	20:54		393	21:00		403
zo	4-7				02:49	50		02:52	50		2:59	40		03:13	70		03:09	50		3:19	10		3:25	20
zo	4-7			08:52		340	08:54		327	9:07		317	09:18		347	09:04		287	9:33		377	9:39		387
zo	4-7				15:19	64		15:23	64		15:30	54		15:44	84		15:41	66		15:50	24		15:56	34
zo	4-7			21:23		348	21:23		337	21:36		327	21:47		357	21:32		295	22:02		387	22:08		397
ma	5-7				03:48	50		03:58	40		4:05	30		04:19	60		04:15	50		4:25	0		4:31	10
ma	5-7			09:59		342	09:58		333	10:11		323	10:22		353	10:08		292	10:37		383	10:43		393
ma	5-7				16:29	61		16:31	56		16:38	46		16:52	76		16:51	61		16:58	16		17:04	26
ma	5-7			22:31		343	22:28		334	22:41		324	22:52		354	22:35		292	23:07		384	23:13		394
di	6-7				04:55	50		05:00	40		5:07	30		05:21	60		05:19	50		5:27	0		5:33	10
di	6-7			11:02		347	10:56		340	11:09		330	11:20		360	11:04		298	11:35		390	11:41		400
di	6-7				17:39	56		17:32	47		17:39	37		17:53	67		17:51	58		17:59	7		18:05	17
di	6-7			23:30		341	23:23		334	23:36		324	23:47		354	23:28		291	0:02		384	0:08		394
wo	7-7				05:54	50		05:53	40		6:00	30		06:14	60		06:09	50		0:02	384	0:08		394
wo	7-7			11:48		354	11:42		349	11:55		339	12:06		369	11:48		305		6:20	0		6:26	10
wo	7-7				18:27	54		18:22	42		18:29	32		18:43	62		18:36	58		12:21	399	12:27		409
wo	7-7			00:14		343	00:05		337	0:18		327	00:29		357	00:09		294		18:49	2		18:55	12
do	8-7			00:14		343	00:05		337	0:18		327	00:29		357	00:09		294	0:44		387	0:50		397
do	8-7				06:38	50		06:39	40		6:46	30		07:00	60		06:48	60		7:06	0		7:12	10
do	8-7			12:26		364	12:20		362	12:33		352	12:44		382	12:25		315	12:59		412	13:05		422
do	8-7				19:05	54		19:04	38		19:11	28		19:25	58		19:13	58		19:31	-2		19:37	8
vr	9-7			00:51		350	00:41		346	0:54		336	01:05		366	00:44		301	1:20		396	1:26		406
vr	9-7	6:07	VM		07:15	50		07:18	30		7:25	20		07:39	50		07:23	60		7:45	-10		7:51	0
vr	9-7			13:03		378	12:57		377	13:10		367	13:21		397	13:01		328	13:36		427	13:42		437
vr	9-7				19:40	52		19:43	34		19:50	24		20:04	54		19:49	55		20:10	-6		20:16	4

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, 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	10-7			01:29		360	01:18		357	1:31		347	01:42		377	01:22		311	1:57		407	2:03		417
za	10-7				07:52	50		07:56	30		8:03	20		08:17	50		07:58	50		8:23	-10		8:29	0
za	10-7			13:42		390	13:36		391	13:49		381	14:00		411	13:40		339	14:15		441	14:21		451
za	10-7				20:17	49		20:22	31		20:29	21		20:43	51		20:26	53		20:49	-9		20:55	1
zo	11-7			02:08		367	01:58		364	2:11		354	02:22		384	02:02		317	2:37		414	2:43		424
zo	11-7				08:29	50		08:34	30		8:41	20		08:55	50		08:35	50		9:01	-10		9:07	0
zo	11-7			14:22		395	14:16		395	14:29		385	14:40		415	14:21		344	14:55		445	15:01		455
zo	11-7				20:54	49		21:00	32		21:07	22		21:21	52		21:05	53		21:27	-8		21:33	2
ma	12-7			02:47		367	02:37		361	2:50		351	03:01		381	02:45		316	3:16		411	3:22		421
ma	12-7				09:05	50		09:11	40		9:18	30		09:32	60		09:12	60		9:38	0		9:44	10
ma	12-7			14:59		393	14:52		391	15:05		381	15:16		411	15:01		341	15:31		441	15:37		451
ma	12-7				21:30	52		21:36	38			33		21:57	58		21:42	57		22:03	-2		22:09	8
di	13-7			03:24		360	03:14		350	3:27		340	03:38		370	03:25		307	3:53		400	3:59		410
di	13-7				09:38	60		09:45	50		9:52	40		10:06	70		09:47	60		10:12	10		10:18	20
di	13-7			15:32		388	15:25		382	15:38		372	15:49		402	15:37		333	16:04		432	16:10		442
di	13-7				22:05	55		22:10	44		22:17	34		22:31	64		22:16	61		22:37	4		22:43	14
wo	14-7			03:58		352	03:47		338	4:00		328	04:11		358	04:00		297	4:26		388	4:32		398
wo	14-7				10:11	60		10:17	50		10:24	40		10:38	70		10:21	70		10:44	10		10:50	20
wo	14-7			16:05		384	15:58		378	16:11		368	16:22		398	16:09		327	16:37		428	16:43		438
wo	14-7				22:39	55		22:43	45		22:50	35		23:04	65		22:51	61		23:10	5		23:16	15
do	15-7			04:33		347	04:21		332	4:34		322	04:45		352	04:33		292	5:00		382	5:06		392
do	15-7				10:46	60		10:51	50		10:58	40		11:12	70		10:58	60		11:18	10		11:24	20
do	15-7			16:42		384	16:35		377	16:48		367	16:59		397	16:43		326	17:14		427	17:20		437
do	15-7				23:17	52		23:19	42		23:26	32		23:40	62		23:29	57		23:46	2		23:52	12
vr	16-7			05:13		347	05:00		331	5:13		321	05:24		351	05:11		291	5:39		381	5:45		391
vr	16-7				11:27	60		11:30	50		11:37	40		11:51	70		11:41	60		11:57	10		12:03	20
vr	16-7			17:26		384	17:19		376	17:32		366	17:43		396	17:25		326	17:58		426	18:04		436
vr	16-7	21:26	LK		00:01	50		00:02	40		0:09	30		00:23	60		00:14	50		0:29	0		0:35	10
za	17-7				00:01	50		00:02	40		0:09	30		00:23	60		00:14	50		0:29	0		0:35	10
za	17-7			05:59		348	05:47		329	6:00		319	06:11		349	05:57		292	6:26		379	6:32		389
za	17-7				12:16	60		12:16	50		12:23	40		12:37	70		12:32	63		12:43	10		12:49	20
za	17-7			18:16		380	18:10		369	18:23		359	18:34		389	18:17		324	18:49		419	18:55		429
zo	18-7				00:51	50		00:53	40		1:00	30		01:14	60		01:08	50		1:20	0		1:26	10
zo	18-7			06:52		345	06:43		325	6:56		315	07:07		345	06:52		291	7:22		375	7:28		385
zo	18-7				13:11	65		13:13	58		13:20	48		13:34	78		13:30	67		13:40	18		13:46	28
zo	18-7			19:12		371	19:12		358	19:25		348	19:36		378	19:17		318	19:51		408	19:57		418

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maan	dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
					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		
ma	19-7				01:51		50	01:58		50	2:05		40	02:19		70	02:12		60	2:25		10	2:31		20
ma	19-7				07:55		340	07:52		320	8:05		310	08:16		340	07:57		288	8:31		370	8:37		380
ma	19-7				14:14		71	14:23		66	14:30		56	14:44		86	14:39		71	14:50		26	14:56		36
ma	19-7				20:20		360	20:24		349	20:37		339	20:48		369	20:26		311	21:03		399	21:09		409
di	20-7				03:04		60	03:12		50	3:19		40	03:33		70	03:27		60	3:39		10	3:45		20
di	20-7				09:14		339	09:08		322	9:21		312	09:32		342	09:09		288	9:47		372	9:53		382
di	20-7				15:38		69	15:43		62	15:50		52	16:04		82	16:00		67	16:10		22	16:16		32
di	20-7				21:48		355	21:40		347	21:53		337	22:04		367	21:42		307	22:19		397	22:25		407
wo	21-7				04:23		50	04:24		40	4:31		30	04:45		60	04:40		50	4:51		0	4:57		10
wo	21-7				10:34		345	10:19		333	10:32		323	10:43		353	10:20		294	10:58		383	11:04		393
wo	21-7				16:57		55	16:56		45	17:03		35	17:17		65	17:13		56	17:23		5	17:29		15
wo	21-7				23:06		358	22:51		352	23:04		342	23:15		372	22:54		308	23:30		402	23:36		412
do	22-7				05:30		40	05:30		30	5:37		20	05:51		50	05:45		50	5:57		-10	6:03		0
do	22-7				11:37		356	11:23		347	11:36		337	11:47		367	11:24		303	12:02		397	12:08		407
do	22-7				18:06		39	18:04		25	18:11		15	18:25		45	18:19		41	18:31		-15	18:37		-5
do	22-7				00:09		364	23:57		360	0:10		350	00:21		380	23:58		313	0:36		410	0:42		420
vr	23-7				00:09		364	06:34		10	6:41		0	00:21		380	06:46		40	0:36		410	0:42		420
vr	23-7				06:34		30	12:23		362	12:36		352	06:55		30	12:21		314	7:01		-30	7:07		-20
vr	23-7	11:45	NM		12:31		368	19:08		8	19:15		-2	12:47		382	19:20		27	13:02		412	13:08		422
vr	23-7				19:11		23	00:58		366	1:11		356	19:29		28	00:55		317	19:35		-32	19:41		-22
za	24-7				01:04		368	00:58		366	1:11		356	01:22		386	00:55		317	1:37		416	1:43		426
za	24-7				07:34		20	07:35		10	7:42		0	07:56		30	07:42		30	8:02		-30	8:08		-20
za	24-7				13:22		377	13:19		373	13:32		363	13:43		393	13:16		323	13:58		423	14:04		433
za	24-7				20:07		12	20:06		0	20:13		-10	20:27		18	20:16		18	20:33		-42	20:39		-32
zo	25-7				01:56		370	01:55		368	2:08		358	02:19		388	01:49		318	2:34		418	2:40		428
zo	25-7				08:25		20	08:29		10	8:36		0	08:50		30	08:34		20	8:56		-30	9:02		-20
zo	25-7				14:10		383	14:12		379	14:25		369	14:36		399	14:08		328	14:51		429	14:57		439
zo	25-7				20:56		10	20:57		0	21:04		-10	21:18		19	21:07		18	21:24		-41	21:30		-31
ma	26-7				02:44		368	02:47		363	3:00		353	03:11		383	02:39		315	3:26		413	3:32		423
ma	26-7				09:12		20	09:16		10	9:23		0	09:37		30	09:21		30	9:43		-30	9:49		-20
ma	26-7				14:56		385	15:00		378	15:13		368	15:24		398	14:56		329	15:39		428	15:45		438
ma	26-7				21:41		19	21:42		9	21:49		-1	22:03		29	21:53		26	22:09		19	22:15		-21
di	27-7				03:29		363	03:33		353	3:46		343	03:57		373	03:26		308	4:12		403	4:18		413
di	27-7				09:55		30	09:58		20	10:05		10	10:19		40	10:05		40	10:25		-20	10:31		-10
di	27-7				15:39		382	15:42		373	15:55		363	16:06		393	15:40		325	16:21		423	16:27		433
di	27-7				22:22		34	22:21		25	22:28		20	22:42		45	22:34		41	22:48		-15	22:54		-5

getijden 2016				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	28-7			04:11		356	04:12		341	4:25		331	04:36		361	04:08		300	4:51		391	4:57		401
wo	28-7				10:33	50		10:34	40		10:41	30		10:55	60		10:44	50		11:01	0		11:07	10
wo	28-7			16:21		377	16:19		366	16:32		356	16:43		386	16:19		320	16:58		416	17:04		426
wo	28-7				22:59	47		22:57	38		23:04	28		23:18	58		23:11	54		23:24	-2		23:30	8
do	29-7			04:51		351	04:47		334	5:00		324	05:11		354	04:45		295	5:26		384	5:32		394
do	29-7				11:08	60		11:09	50		11:16	40		11:30	70		11:19	60		11:36	10		11:42	20
do	29-7			17:02		372	16:56		361	17:09		351	17:20		381	16:54		316	17:35		411	17:41		421
do	29-7				23:35	56		23:33	45		23:40	35		23:54	65		23:47	63		0:00	0		0:06	10
vr	30-7			05:31		348	05:24		331	5:37		321	05:48		351	05:23		292		0:00	0		0:06	10
vr	30-7				11:43	60		11:46	50		11:53	40		12:07	70		11:56	70	6:03		381	6:09		391
vr	30-7	17:23	EK	17:46		366	17:37		354	17:50		344	18:01		374	17:34		311		12:13	16		12:19	26
vr	30-7				00:15	60		00:13	50		0:20	40		00:34	70		00:26	60	18:16		404	18:22		414
za	31-7				00:15	60		00:13	50		0:20	40		00:34	70		00:26	60		0:40	10		0:46	20
za	31-7			06:16		346	06:08		329	6:21		319	06:32		349	06:08		291	6:47		379	6:53		389
za	31-7				12:28	72		12:31	63		12:38	53		12:52	83		12:42	75		12:58	23		13:04	33
za	31-7			18:36		357	18:26		344	18:39		334	18:50		364	18:28		303	19:05		394	19:11		404

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
dag	datum	tijd		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		
zo	1-8				01:05	60		01:01	60		1:08	50		01:22	80		01:16	70		1:28	20		1:34	30
zo	1-8			07:06		343	07:01		325	7:14		315	07:25		345	07:07		288	7:40		375	7:46		385
zo	1-8				13:26	78		13:25	74		13:32	64		13:46	94		13:41	81		13:52	34		13:58	44
zo	1-8			19:32		348	19:25		331	19:38		321	19:49		351	19:34		293	20:04		381	20:10		391
ma	2-8				02:02	70		02:00	70		2:07	60		02:21	90		02:17	70		2:27	30		2:33	40
ma	2-8			08:03		341	08:02		322	8:15		312	08:26		342	08:14		287	8:41		372	8:47		382
ma	2-8				14:30	84		14:33	85		14:40	75		14:54	105		14:50	86		15:00	45		15:06	55
ma	2-8			20:34		339	20:33		321	20:46		311	20:57		341	20:45		286	21:12		371	21:18		381
di	3-8				03:03	80		03:10	80		3:17	70		03:31	100		03:26	80		3:37	40		3:43	50
di	3-8			09:05		342	09:10		325	9:23		315	09:34		345	09:22		291	9:49		375	9:55		385
di	3-8				15:39	87		15:48	86		15:55	76		16:09	106		16:05	88		16:15	46		16:21	56
di	3-8			21:44		336	21:45		321	21:58		311	22:09		341	21:54		286	22:24		371	22:30		381
wo	4-8				04:10	80		04:20	80		4:27	70		04:41	100		04:36	80		4:47	40		4:53	50
wo	4-8			10:14		350	10:16		338	10:29		328	10:40		358	10:25		301	10:55		388	11:01		398
wo	4-8				16:59	84		16:57	76		17:04	66		17:18	96		17:15	84		17:24	36		17:30	46
wo	4-8			22:56		341	22:49		330	23:02		320	23:13		350	22:55		291	23:28		380	23:34		390
do	5-8				05:20	80		05:21	70		5:28	60		05:42	90		05:37	80		5:48	30		5:54	40
do	5-8			11:14		364	11:12		357	11:25		347	11:36		377	11:18		314	11:51		407	11:57		417
do	5-8				17:57	77		17:55	63		18:02	53		18:16	83		18:08	80		18:22	23		18:28	33
do	5-8			23:48		350	23:39		343	23:52		333	00:03		363	23:44		300	0:18		393	0:24		403
vr	6-8				06:11	70		06:13	60		6:20	50	00:03		363		06:22	80	0:18		393	0:24		403
vr	6-8			12:01		379	11:58		376	12:11		366		06:34	80	12:02		328		6:40	20		6:46	30
vr	6-8				18:40	70		18:42	52		18:49	42	12:22		396		18:51	74	12:37		426	12:43		436
vr	6-8			00:29		359	00:22		354	0:35		344		19:03	72	00:25		309		19:09	12		19:15	22
za	7-8			00:29		359	00:22		354	0:35		344	00:46		374	00:25		309	1:01		404	1:07		414
za	7-8				06:53	60		06:57	50		7:04	40		07:18	70		07:02	70		7:24	10		7:30	20
za	7-8			12:42		391	12:40		391	12:53		381	13:04		411	12:42		340	13:19		441	13:25		451
za	7-8	20:11 VM			19:20	63		19:25	44		19:32	34		19:46	64		19:30	67		19:52	4		19:58	14
zo	8-8			01:09		367	01:01		363	1:14		353	01:25		383	01:04		317	1:40		413	1:46		423
zo	8-8				07:32	60		07:38	40		7:45	30		07:59	60		07:40	60		8:05	0		8:11	10
zo	8-8			13:23		398	13:19		398	13:32		388	13:43		418	13:22		346	13:58		448	14:04		458
zo	8-8				19:58	55		20:05	38		20:12	28		20:26	58		20:09	60		20:32	-2		20:38	8
ma	9-8			01:49		370	01:41		364	1:54		354	02:05		384	01:44		319	2:20		414	2:26		424
ma	9-8				08:10	50		08:17	40		8:24	30		08:38	60		08:18	60		8:44	0		8:50	10
ma	9-8			14:02		399	13:58		398	14:11		388	14:22		418	14:01		347	14:37		448	14:43		458
ma	9-8				20:36	49		20:43	34		20:50	24		21:04	54		20:47	56		21:10	-6		21:16	4

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maand	dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
	di	10-8			02:28		368	02:20		360	2:33		350	02:44		380	02:23		316	2:59		410	3:05		420
	di	10-8				08:47	50		08:53	40		9:00	30		09:14	60		08:55	60		9:20	0		9:26	10
	di	10-8			14:39		396	14:33		393	14:46		383	14:57		413	14:39		342	15:12		443	15:18		453
	di	10-8				21:12	47		21:19	32		21:26	22		21:40	52		21:24	54		21:46	-8		21:52	2
	wo	11-8			03:04		362	02:55		352	3:08		342	03:19		372	03:01		309	3:34		402	3:40		412
	wo	11-8				09:21	50		09:28	40		9:35	30		09:49	60		09:30	60		9:55	0		10:01	10
	wo	11-8			15:12		392	15:05		389	15:18		379	15:29		409	15:14		337	15:44		439	15:50		449
	wo	11-8				21:47	46		21:52	33		21:59	28		22:13	53		21:58	54		22:19	-7		22:25	3
	do	12-8			03:38		357	03:27		345	3:40		335	03:51		365	03:37		303	4:06		395	4:12		405
	do	12-8				09:54	50		10:01	40		10:08	30		10:22	60		10:04	50		10:28	0		10:34	10
	do	12-8			15:45		390	15:38		388	15:51		378	16:02		408	15:49		334	16:17		438	16:23		448
	do	12-8				22:20	46		22:26	33		22:33	23		22:47	53		22:32	52		22:53	-7		22:59	3
	vr	13-8			04:12		356	04:01		343	4:14		333	04:25		363	04:11		300	4:40		393	4:46		403
	vr	13-8				10:28	50		10:35	40		10:42	30		10:56	60		10:40	50		11:02	0		11:08	10
	vr	13-8			16:23		390	16:16		387	16:29		377	16:40		407	16:24		333	16:55		437	17:01		447
	vr	13-8				22:56	48		23:01	34		23:08	24		23:22	54		23:08	52		23:28	-6		23:34	4
	za	14-8			04:51		356	04:39		341	4:52		331	05:03		361	04:49		299	5:18		391	5:24		401
	za	14-8				11:07	50		11:12	40		11:19	30		11:33	60		11:20	50		11:39	0		11:45	10
	za	14-8			17:05		387	16:58		381	17:11		371	17:22		401	17:05		331	17:37		431	17:43		441
	za	14-8				23:36	53		23:40	40		23:47	30		00:01	60		23:50	55		0:07	0		0:13	10
	zo	15-8	3:15	LK	05:35		353	05:22		336	5:35		326	05:46		356	05:32		298		0:07	0		0:13	10
	zo	15-8				11:51	50		11:54	40		12:01	30		05:46	356		12:07	60		6:01	386	6:07		396
	zo	15-8			17:53		377	17:47		368	18:00		358		12:15	67	17:54		324		12:21	7		12:27	17
	zo	15-8				00:23	60		00:27	50		0:34	40		18:11	388		00:40	60		18:26	418	18:32		428
	ma	16-8				00:23	60		00:27	50		0:34	40		00:48	70		00:40	60		0:54	10		1:00	20
	ma	16-8			06:25		346	06:14		326	6:27		316	06:38		346	06:24		293	6:53		376	6:59		386
	ma	16-8				12:43	70		12:47	63		12:54	53		13:08	83		13:03	70		13:14	23		13:20	33
	ma	16-8			18:48		362	18:47		349	19:00		339	19:11		369	18:52		312	19:26		399	19:32		409
	di	17-8				01:20	70		01:26	70		1:33	60		01:47	90		01:42	70		1:53	30		1:59	40
	di	17-8			07:27		337	07:23		316	7:36		306	07:47		336	07:27		287	8:02		366	8:08		376
	di	17-8				13:48	81		13:55	79		14:02	69		14:16	99		14:14	79		14:22	39		14:28	49
	di	17-8			20:02		347	20:04		334	20:17		324	20:28		354	20:04		300	20:43		384	20:49		394
	wo	18-8				02:42	80		02:44	70		2:51	60		03:05	90		03:03	80		3:11	30		3:17	40
	wo	18-8			08:54		334	08:47		316	9:00		306	09:11		336	08:47		285	9:26		366	9:32		376
	wo	18-8				15:27	79		15:22	78		15:29	68		15:43	98		15:44	77		15:49	38		15:55	48
	wo	18-8			21:39		344	21:27		334	21:40		324	21:51		354	21:31		296	22:06		384	22:12		394

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel						
maand		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		
do	19-8			HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	
do	19-8				04:08	70		04:06	60		4:13	50		04:27	80		04:24	70		4:33	20		4:39	30				
do	19-8			10:17		345	10:04		332	10:17		322	10:28		352	10:08		293	10:43		382	10:49		392				
do	19-8				16:46	63		16:44	58		16:51	48		17:05	78		17:02	63		17:11	18		17:17	28				
do	19-8			22:57		354	22:43		346	22:56		336	23:07		366	22:48		303	23:22		396	23:28		406				
vr	20-8				05:18	60		05:19	40		5:26	30		05:40	60		05:34	60		5:46	0		5:52	10				
vr	20-8			11:22		363	11:12		354	11:25		344	11:36		374	11:17		308	11:51		404	11:57		414				
vr	20-8				18:00	45		17:57	33		18:04	23		18:18	53		18:12	47		18:24	-7		18:30	3				
vr	20-8			23:58		366	23:50		362	0:03		352	00:14		382	23:52		313	0:29		412	0:35		422				
za	21-8				06:26	40		06:26	20		6:33	10		00:14	382		06:37	50		0:29	412	0:35		422				
za	21-8			12:17		379	12:13		374	12:26		364		06:47	40	12:16		324		6:53	-20		6:59	-10				
za	21-8				19:03	29		19:02	15		19:09	5		12:37	394		19:13	35		12:52	424	12:58		434				
za	21-8	20:30	NM	00:52		375	00:50		372	1:03		362		19:23	35	00:47		322		19:29	-25		19:35	-15				
zo	22-8			00:52		375	00:50		372	1:03		362	01:14		392	00:47		322		1:29	422	1:35		432				
zo	22-8				07:23	30		07:26	10		7:33	0		07:47	30		07:32	40		7:53	-30		7:59	-20				
zo	22-8			13:07		390	13:08		386	13:21		376	13:32		406	13:08		334	13:47		436	13:53		446				
zo	22-8				19:54	23		19:57	9		20:04	-1		20:18	29		20:05	31		20:24	-31		20:30	-21				
ma	23-8			01:41		378	01:43		372	1:56		362	02:07		392	01:36		324		2:22	422	2:28		432				
ma	23-8				08:12	30		08:17	20		8:24	10		08:38	40		08:20	40		8:44	-20		8:50	-10				
ma	23-8			13:53		394	13:57		389	14:10		379	14:21		409	13:55		338	14:36		439	14:42		449				
ma	23-8				20:40	26		20:44	16		20:51	6		21:05	36		20:50	36		21:11	-24		21:17	-14				
di	24-8			02:26		375	02:30		365	2:43		355	02:54		385	02:21		321		3:09	415	3:15		425				
di	24-8				08:55	40		08:59	30		9:06	20		09:20	50		09:03	40		9:26	-10		9:32	0				
di	24-8			14:36		392	14:40		383	14:53		373	15:04		403	14:37		335	15:19		433	15:25		443				
di	24-8				21:20	38		21:23	29		21:30	19		21:44	49		21:31	46		21:50	-11		21:56	-1				
wo	25-8			03:06		369	03:09		353	3:22		343	03:33		373	03:01		315		3:48	403	3:54		413				
wo	25-8				09:32	50		09:36	40		9:43	30		09:57	60		09:42	50		10:03	0		10:09	10				
wo	25-8			15:14		387	15:16		374	15:29		364	15:40		394	15:14		330	15:55		424	16:01		434				
wo	25-8				21:55	50		21:57	42		22:04	37		22:18	62		22:06	58		22:24	2		22:30	12				
do	26-8			03:41		365	03:41		345	3:54		335	04:05		365	03:36		309		4:20	395	4:26		405				
do	26-8				10:04	60		10:07	50		10:14	40		10:28	70		10:15	60		10:34	10		10:40	20				
do	26-8			15:51		382	15:47		367	16:00		357	16:11		387	15:45		325	16:26		417	16:32		427				
do	26-8				22:25	59		22:27	48		22:34	38		22:48	68		22:37	66		22:54	8		23:00	18				
vr	27-8			04:15		362	04:09		343	4:22		333	04:33		363	04:07		307		4:48	393	4:54		403				
vr	27-8				10:31	60		10:38	50		10:45	40		10:59	70		10:45	70		11:05	10		11:11	20				
vr	27-8			16:27		376	16:19		362	16:32		352	16:43		382	16:16		321	16:58		412	17:04		422				
vr	27-8				22:53	64		22:57	51		23:04	41		23:18	71		23:06	71		23:24	11		23:30	21				

getijden 2016				Wangerooe, West			Wangerooe, Langes Riff			Wangerooe, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
za	28-8			04:51		360	04:42		344	4:55		334	05:06		364	04:40		306	5:21		394	5:27		404
za	28-8				11:01	70		11:11	50		11:18	40		11:32	70		11:17	70		11:38	10		11:44	20
za	28-8			17:06		368	16:55		355	17:08		345	17:19		375	16:53		315	17:34		405	17:40		415
za	28-8				23:28	72		23:31	59		23:38	49		23:52	79		23:40	77		23:58	10		0:04	20
zo	29-8			05:32		357	05:21		341	5:34		331	05:45		361	05:20		304		23:58	10		0:04	20
zo	29-8				11:40	70		11:48	60		11:55	50		12:09	80		11:57	80	6:00		391	6:06		401
zo	29-8			17:50		358	17:37		343	17:50		333	18:01		363	17:39		306		12:15	27		12:21	37
zo	29-8				00:11	80		00:10	70		0:17	60		00:31	90		00:23	80	18:16		393	18:22		403
ma	30-8				00:11	80		00:10	70		0:17	60		00:31	90		00:23	80		0:37	30		0:43	40
ma	30-8	10:13	EK	06:19		352	06:07		333	6:20		323	06:31		353	06:12		298	6:46		383	6:52		393
ma	30-8				12:31	94		12:33	86		12:40	76		12:54	106		12:48	95		13:00	46		13:06	56
ma	30-8			18:43		346	18:29		326	18:42		316	18:53		346	18:40		293	19:08		376	19:14		386
di	31-8				01:04	100		00:58	100		1:05	90		01:19	120		01:18	100		1:25	60		1:31	70
di	31-8			07:14		348	07:04		324	7:17		314	07:28		344	07:19		294	7:43		374	7:49		384
di	31-8				13:33	110		13:31	111		13:38	101		13:52	131		13:53	112		13:58	71		14:04	81
di	31-8			19:43		337	19:32		313	19:45		303	19:56		333	19:52		284	20:11		363	20:17		373

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
dag	datum	tijd		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														
wo	1-9			02:07	110		02:03	120		2:10	110		02:24	140		02:26	120		2:30	80		2:36	90	
wo	1-9			08:15	348		08:11	322		8:24	312		08:35	342		08:30	296		8:50	372		8:56	382	
wo	1-9			14:42	119		14:49	127		14:56	117		15:10	147		15:10	121		15:16	87		15:22	97	
wo	1-9			20:49	336		20:45	311		20:58	301		21:09	331		21:06	285		21:24	361		21:30	371	
do	2-9			03:16	120		03:27	120		3:34	110		03:48	140		03:43	120		3:54	80		4:00	90	
do	2-9			09:24	358		09:27	336		9:40	326		09:51	356		09:39	308		10:06	386		10:12	396	
do	2-9			16:05	117		16:15	118		16:22	108		16:36	138		16:31	117		16:42	78		16:48	88	
do	2-9			22:04	343		22:03	324		22:16	314		22:27	344		22:14	294		22:42	374		22:48	384	
vr	3-9			04:37	110		04:43	110		4:50	100		05:04	130		04:56	110		5:10	70		5:16	80	
vr	3-9			10:34	375		10:36	361		10:49	351		11:00	381		10:41	324		11:15	411		11:21	421	
vr	3-9			17:21	103		17:22	94		17:29	84		17:43	114		17:34	104		17:49	54		17:55	64	
vr	3-9			23:11	356		23:06	344		23:19	334		23:30	364		23:12	306		23:44	394		23:51	404	
za	4-9			05:38	90		05:42	80		5:49	70		06:03	100		05:50	100		23:44	394		23:51	404	
za	4-9			11:29	391		11:30	385		11:43	375		11:54	405		11:33	339		6:09	40		6:15	50	
za	4-9			18:10	85		18:15	70		18:22	60		18:36	90		18:22	88		12:09	435		12:15	445	
za	4-9			00:00	368		23:55	359		0:08	349		00:19	379		23:59	317		18:42	30		18:48	40	
zo	5-9			00:00	368		06:30	60		6:37	50		00:19	379		06:35	80		0:34	409		0:40	419	
zo	5-9			06:25	80		12:15	398		12:28	388		06:51	80		12:18	348		6:57	20		7:03	30	
zo	5-9			12:16	401		19:00	53		19:07	43		12:39	418		19:05	74		12:54	448		13:00	458	
zo	5-9			18:53	69		00:38	366		0:51	356		19:21	73		00:42	321		19:27	13		19:33	23	
ma	6-9			00:44	374		00:38	366		0:51	356		01:02	386		00:42	321		1:17	416		1:23	426	
ma	6-9	9:03 VM		07:08	60		07:13	50		7:20	40		07:34	70		07:16	70		7:40	10		7:46	20	
ma	6-9			12:59	404		12:56	401		13:09	391		13:20	421		12:59	350		13:35	451		13:41	461	
ma	6-9			19:34	57		19:41	43		19:48	33		20:02	63		19:46	63		20:08	3		20:14	13	
di	7-9			01:25	374		01:18	364		1:31	354		01:42	384		01:20	320		1:57	414		2:03	424	
di	7-9			07:47	50		07:52	40		7:59	30		08:13	60		07:56	60		8:19	0		8:25	10	
di	7-9			13:38	401		13:33	398		13:46	388		13:57	418		13:36	347		14:12	448		14:18	458	
di	7-9			20:13	49		20:18	36		20:25	26		20:39	56		20:24	56		20:45	-4		20:51	6	
wo	8-9			02:05	370		01:56	359		2:09	349		02:20	379		01:56	316		2:35	409		2:41	419	
wo	8-9			08:25	50		08:29	40		8:36	30		08:50	60		08:33	60		8:56	0		9:02	10	
wo	8-9			14:15	398		14:08	394		14:21	384		14:32	414		14:11	343		14:47	444		14:53	454	
wo	8-9			20:50	45		20:55	31		21:02	21		21:16	51		21:01	53		21:22	-9		21:28	1	
do	9-9			02:41	367		02:30	355		2:43	345		02:54	375		02:32	313		3:09	405		3:15	415	
do	9-9			09:01	50		09:05	30		9:12	20		09:26	50		09:09	50		9:32	-10		9:38	0	
do	9-9			14:50	396		14:41	394		14:54	384		15:05	414		14:46	342		15:20	444		15:26	454	
do	9-9			21:25	43		21:30	28		21:37	18		21:51	48		21:36	51		21:57	38		22:03	38	

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maand	dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
	vr	10-9			03:15		367	03:03		354	3:16		344	03:27		374	03:08		312	3:42		404	3:48		414
	vr	10-9				09:34	40		09:40	30		9:47	20		10:01	50		09:45	50		10:07	-10		10:13	0
	vr	10-9			15:25		397	15:17		395	15:30		385	15:41		415	15:24		341	15:56		445	16:02		455
	vr	10-9				21:59	45		22:04	28		22:11	23		22:25	48		22:11	51		22:31	-12		22:37	-2
	za	11-9			03:51		368	03:38		356	3:51		346	04:02		376	03:47		312	4:17		406	4:23		416
	za	11-9				10:09	40		10:16	30		10:23	20		10:37	50		10:21	50		10:43	-10		10:49	0
	za	11-9			16:04		394	15:56		393	16:09		383	16:20		413	16:04		339	16:35		443	16:41		453
	za	11-9				22:34	50		22:40	33		22:47	23		23:01	53		22:47	54		23:07	-7		23:13	3
	zo	12-9			04:30		366	04:17		354	4:30		344	04:41		374	04:27		310	4:56		404	5:02		414
	zo	12-9				10:47	50		10:54	30		11:01	20		11:15	50		11:01	50		11:21	-10		11:27	0
	zo	12-9			16:48		385	16:39		380	16:52		370	17:03		400	16:48		331	17:18		430	17:24		440
	zo	12-9				23:12	61		23:19	47		23:26	37		23:40	67		23:28	63		23:46	7		23:52	17
	ma	13-9			05:13		359	05:02		346	5:15		336	05:26		366	05:11		305	5:41		396	5:47		406
	ma	13-9	8:25	LK		11:30	60		11:36	50		11:43	40		11:57	70		11:48	60		12:03	10		12:09	20
	ma	13-9			17:36		368	17:30		359	17:43		349	17:54		379	17:37		317	18:09		409	18:15		419
	ma	13-9				23:57	77		00:03	60		0:10	50		00:24	80		00:17	70		0:30	20		0:36	30
	di	14-9			06:04		348	00:03		60		0:10	50		00:24	80		00:17	70		0:30	20		0:36	30
	di	14-9				12:21	70	05:55		331	6:08		321	06:19		351	06:03		296	6:34		381	6:40		391
	di	14-9			18:36		347		12:28	72		12:35	62		12:49	92		12:44	77		12:55	32		13:01	42
	di	14-9				00:55	90	18:33		334	18:46		324	18:57		354	18:37		299	19:12		384	19:18		394
	wo	15-9				00:55	90		01:01	90		1:08	80		01:22	110		01:20	90		1:28	50		1:34	60
	wo	15-9			07:12		336	07:07		317	7:20		307	07:31		337	07:10		286	7:46		367	7:52		377
	wo	15-9				13:36	91		13:37	92		13:44	82		13:58	112		14:04	88		14:04	52		14:10	62
	wo	15-9			20:05		334	19:57		320	20:10		310	20:21		340	20:00		286	20:36		370	20:42		380
	do	16-9				02:39	100		02:25	100		2:32	90		02:46	120		02:52	90		2:52	60		2:58	70
	do	16-9			08:43		337	08:34		319	8:47		309	08:58		339	08:38		286	9:13		369	9:19		379
	do	16-9				15:26	83		15:11	91		15:18	81		15:32	111		15:40	83		15:38	51		15:44	61
	do	16-9			21:33		339	21:21		326	21:34		316	21:45		346	21:31		288	22:00		376	22:06		386
	vr	17-9				03:58	80		03:54	90		4:01	80		04:15	110		04:15	80		4:21	50		4:27	60
	vr	17-9			10:03		353	09:53		340	10:06		330	10:17		360	10:03		299	10:32		390	10:38		400
	vr	17-9				16:39	66		16:36	67		16:43	57		16:57	87		16:58	67		17:03	27		17:09	37
	vr	17-9			22:46		356	22:36		347	22:49		337	23:00		367	22:45		302	23:15		397	23:21		407
	za	18-9				05:08	70		05:10	60		5:17	50		05:31	80		05:26	70		5:37	20		5:43	30
	za	18-9			11:07		375	11:01		367	11:14		357	11:25		387	11:11		319	11:40		417	11:46		427
	za	18-9				17:52	49		17:48	40		17:55	30		18:09	60		18:06	52		18:15	0		18:21	10
	za	18-9			23:45		373	23:42		368	23:55		358	00:06		388	23:45		317	0:21		418	0:27		428

getijden 2016				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
zo	19-9				06:15	50		06:16	40		6:23	30	00:06		388		06:27	50	0:21		418	0:27		428
zo	19-9			12:02		392	12:01		389	12:14		379		06:37	60	12:07		335		6:43	0		6:49	10
zo	19-9				18:50	37		18:49	23		18:56	13	12:25		409		19:02	43	12:40		439	12:46		449
zo	19-9			00:37		383	00:39		378	0:52		368		19:10	43	00:35		327		19:16	-17		19:22	-7
ma	20-9			00:37		383	00:39		378	0:52		368	01:03		398	00:35		327	1:18		428	1:24		438
ma	20-9	7:30	NM		07:09	40		07:12	30		7:19	20		07:33	50		07:19	50		7:39	-10		7:45	0
ma	20-9			12:51		399	12:54		396	13:07		386	13:18		416	12:55		343	13:33		446	13:39		456
ma	20-9				19:37	36		19:40	22		19:47	12		20:01	42		19:49	45		20:07	-18		20:13	-8
di	21-9			01:23		384	01:27		375	1:40		365	01:51		395	01:20		329	2:06		425	2:12		435
di	21-9				07:54	40		07:59	30		8:06	20		08:20	50		08:03	50		8:26	-10		8:32	0
di	21-9			13:34		398	13:39		391	13:52		381	14:03		411	13:37		342	14:18		441	14:24		451
di	21-9				20:19	43		20:23	33		20:30	23		20:44	53		20:29	52		20:50	-7		20:56	3
wo	22-9			02:04		379	02:08		365	2:21		355	02:32		385	01:59		326	2:47		415	2:53		425
wo	22-9				08:34	50		08:38	40		8:45	30		08:59	60		08:41	60		9:05	0		9:11	10
wo	22-9			14:12		391	14:16		380	14:29		370	14:40		400	14:13		336	14:55		430	15:01		440
wo	22-9				20:54	54		20:58	46		21:05	36		21:19	66		21:04	62		21:25	6		21:31	16
do	23-9			02:38		373	02:39		356	2:52		346	03:03		376	02:32		321	3:18		406	3:24		416
do	23-9				09:07	60		09:09	50		9:16	40		09:30	70		09:15	60		9:36	10		9:42	20
do	23-9			14:46		385	14:46		371	14:59		361	15:10		391	14:44		329	15:25		421	15:31		431
do	23-9				21:24	62		21:27	52		21:34	42		21:48	72		21:33	68		21:54	62		22:00	22
vr	24-9			03:08		372	03:03		355	3:16		345	03:27		375	03:03		320	3:42		405	3:48		415
vr	24-9				09:34	60		09:37	50		9:44	40		09:58	70		09:45	60		10:04	10		10:10	20
vr	24-9			15:19		381	15:13		367	15:26		357	15:37		387	15:13		326	15:52		417	15:58		427
vr	24-9				21:48	66		21:54	53		22:01	48		22:15	73		22:01	71		22:21	13		22:27	23
za	25-9			03:39		374	03:31		359	3:44		349	03:55		379	03:33		320	4:10		409	4:16		419
za	25-9				09:58	60		10:07	50		10:14	40		10:28	70		10:14	70		10:34	10		10:40	20
za	25-9			15:54		377	15:44		364	15:57		354	16:08		384	15:45		323	16:23		414	16:29		424
za	25-9				22:15	71		22:22	56		22:29	46		22:43	76		22:29	76		22:49	16		22:55	26
zo	26-9			04:15		375	04:04		361	4:17		351	04:28		381	04:05		321	4:43		411	4:49		421
zo	26-9				10:29	70		10:38	50		10:45	40		10:59	70		10:45	70		11:05	10		11:11	20
zo	26-9			16:31		370	16:19		358	16:32		348	16:43		378	16:20		318	16:58		408	17:04		418
zo	26-9				22:48	84		22:53	69		23:00	59		23:14	89		23:01	88		23:20	29		23:26	39
ma	27-9			04:53		372	04:41		357	4:54		347	05:05		377	04:41		318	5:20		407	5:26		417
ma	27-9				11:05	90		11:12	70		11:19	60		11:33	90		11:21	90		11:39	30		11:45	40
ma	27-9			17:12		360	16:57		345	17:10		335	17:21		365	17:01		309	17:36		395	17:42		405
ma	27-9				23:24	105		23:26	92		23:33	82		23:47	112		23:38	106		23:53	50		23:59	60

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
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	
			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			
di	28-9	4:53	EK	05:35		366	05:21		347	5:34		337	05:45		367	05:25		313		23:53	50		23:59	60	
di	28-9				11:49	110		11:50	90		11:57	80		12:11	110		12:05	110		6:00		397		6:06	407
di	28-9			17:57		349	17:41		328	17:54		318	18:05		348	17:51		297		12:17	59		12:23	69	
di	28-9				00:07	120		00:05	120		0:12	110		00:26	140		00:23	120		18:20		378		18:26	388
wo	29-9				00:07	120		00:05	120		0:12	110		00:26	140		00:23	120			0:32	80		0:38	90
wo	29-9			06:23		361	06:08		336	6:21		326	06:32		356	06:21		308		6:47		386		6:53	396
wo	29-9				12:42	130		12:37	126		12:44	116		12:58	146		13:01	132			13:04	86		13:10	96
wo	29-9			18:51		341	18:36		314	18:49		304	19:00		334	18:55		288		19:15		364		19:21	374
do	30-9				01:04	140		00:58	140		1:05	130		01:19	160		01:21	140			1:25	100		1:31	110
do	30-9			07:20		361	07:10		331	7:23		321	07:34		351	07:31		308		7:49		381		7:55	391
do	30-9				13:46	140		13:42	147		13:49	137		14:03	167		14:11	142			14:09	107		14:15	117
do	30-9			19:54		340	19:45		309	19:58		299	20:09		329	20:11		287		20:24		359		20:30	369

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, 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	1-10				02:10	140		02:13	150		2:20	140		02:34	170		02:34	150		2:40	110		2:46	120
vr	1-10			08:28		368	08:26		339	8:39		329	08:50		359	08:46		316	9:05		389	9:11		399
vr	1-10				14:57	136		15:14	145		15:21	135		15:35	165		15:32	137		15:41	105		15:47	115
vr	1-10			21:07		347	21:06		320	21:19		310	21:30		340	21:27		297	21:45		370	21:51		380
za	2-10				03:21	130		03:46	140		3:53	130		04:07	160		03:56	140		4:13	100		4:19	110
za	2-10			09:44		381	09:46		360	9:59		350	10:10		380	09:55		331	10:25		410	10:31		420
za	2-10				16:25	117		16:36	115		16:43	105		16:57	135		16:47	116		17:03	75		17:09	85
za	2-10			22:24		361	22:22		341	22:35		331	22:46		361	22:33		310	23:01		391	23:07		401
zo	3-10				04:51	110		04:59	100		5:06	90		05:20	120		05:07	110		5:26	60		5:32	70
zo	3-10			10:50		396	10:49		383	11:02		373	11:13		403	10:56		344	11:28		433	11:34		443
zo	3-10				17:30	91		17:36	81		17:43	71		17:57	101		17:44	93		18:03	41		18:09	51
zo	3-10			23:24		373	23:19		360	23:32		350	23:43		380	23:28		321	23:58		410	0:04		420
ma	4-10				05:49	90		05:54	80		6:01	70		06:15	100		06:00	90		23:58	410	0:04		420
ma	4-10			11:43		404	11:40		395	11:53		385	12:04		415	11:46		350		6:21	40		6:27	50
ma	4-10				18:19	69		18:25	57		18:32	47		18:46	77		18:32	74		12:19	445	12:25		455
ma	4-10			00:13		379	00:07		367	0:20		357	00:31		387	00:13		324		18:52	17		18:58	27
di	5-10			00:13		379	00:07		367	0:20		357	00:31		387	00:13		324	0:46		417	0:52		427
di	5-10				06:37	70		06:41	60		6:48	50		07:02	80		06:47	70		7:08	20		7:14	30
di	5-10			12:29		405	12:23		397	12:36		387	12:47		417	12:29		349	13:02		447	13:08		457
di	5-10	20:40	VM		19:04	55		19:08	45		19:15	35		19:29	65		19:16	62		19:35	5		19:41	15
wo	6-10			00:57		379	00:48		365	1:01		355	01:12		385	00:52		322	1:27		415	1:33		425
wo	6-10				07:20	60		07:22	50		7:29	40		07:43	70		07:29	60		7:49	10		7:55	20
wo	6-10			13:11		401	13:02		394	13:15		384	13:26		414	13:05		345	13:41		444	13:47		454
wo	6-10				19:45	48		19:48	38		19:55	28		20:09	58		19:56	56		20:15	-2		20:21	8
do	7-10			01:37		376	01:26		361	1:39		351	01:50		381	01:26		320	2:05		411	2:11		421
do	7-10				08:00	50		08:01	40		8:08	30		08:22	60		08:09	60		8:28	0		8:34	10
do	7-10			13:50		399	13:39		392	13:52		382	14:03		412	13:40		343	14:18		442	14:24		452
do	7-10				20:24	45		20:26	32		20:33	22		20:47	52		20:35	53		20:53	-8		20:59	2
vr	8-10			02:15		376	02:02		361	2:15		351	02:26		381	02:00		320	2:41		411	2:47		421
vr	8-10				08:38	40		08:39	30		8:46	20		09:00	50		08:48	50		9:06	-10		9:12	0
vr	8-10			14:27		399	14:16		394	14:29		384	14:40		414	14:18		344	14:55		444	15:01		454
vr	8-10				21:01	44		21:03	27		21:10	17		21:24	47		21:12	52		21:30	-13		21:36	-3
za	9-10			02:51		378	02:37		365	2:50		355	03:01		385	02:39		323	3:16		415	3:22		425
za	9-10				09:15	40		09:18	20		9:25	10		09:39	40		09:26	50		9:45	-20		9:51	-10
za	9-10			15:07		398	14:56		395	15:09		385	15:20		415	15:00		343	15:35		445	15:41		455
za	9-10				21:37	46		21:41	27		21:48	17		22:02	47		21:49	53		22:08	37		22:14	-3

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maand	dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
	zo	10-10			03:29		380	03:16		369	3:29		359	03:40		389	03:23		324	3:55		419	4:01		429
	zo	10-10				09:51	40		09:57	20		10:04	10		10:18	40		10:05	40		10:24	-20		10:30	-10
	zo	10-10			15:49		392	15:39		388	15:52		378	16:03		408	15:47		337	16:18		438	16:24		448
	zo	10-10				22:13	54		22:20	35		22:27	30		22:41	55		22:27	58		22:47	-5		22:53	5
	ma	11-10			04:11		376	03:58		367	4:11		357	04:22		387	04:08		322	4:37		417	4:43		427
	ma	11-10				10:30	40		10:38	30		10:45	20		10:59	50		10:47	50		11:05	-10		11:11	0
	ma	11-10			16:36		376	16:26		370	16:39		360	16:50		390	16:35		324	17:05		420	17:11		430
	ma	11-10				22:51	67		23:00	53		23:07	43		23:21	73		23:09	70		23:27	13		23:33	23
	di	12-10			04:56		367	04:45		356	4:58		346	05:09		376	04:55		313	5:24		406	5:30		416
	di	12-10				11:14	60		11:23	50		11:30	40		11:44	70		11:36	60		11:50	10		11:56	20
	di	12-10	14:25	LK	17:29		355	17:20		345	17:33		335	17:44		365	17:28		305	17:59		395	18:05		405
	di	12-10				23:36	85		23:45	78		23:52	68		00:06	90		23:59	87		0:12	30		0:18	40
	wo	13-10			05:50		353	05:40		339	5:53		329	00:06		90	05:49		301		0:12	30		0:18	40
	wo	13-10				12:10	70		12:15	70		12:22	60	06:04		359		12:36	70	6:19		389	6:25		399
	wo	13-10			18:39		336	18:28		321	18:41		311		12:36	95	18:34		287		12:42	35		12:48	45
	wo	13-10				00:40	100		00:43	100		0:50	90	18:52		341		01:06	100	19:07		371	19:13		381
	do	14-10				00:40	100		00:43	100		0:50	90		01:04	120		01:06	100		1:10	60		1:16	70
	do	14-10			07:04		342	06:54		325	7:07		315	07:18		345	06:59		292	7:33		375	7:39		385
	do	14-10				13:54	89		13:27	96		13:34	86		13:48	116		14:06	87		13:54	56		14:00	66
	do	14-10			20:00		330	19:49		312	20:02		302	20:13		332	19:59		278	20:28		362	20:34		372
	vr	15-10				02:31	100		02:09	110		2:16	100		02:30	130		02:42	100		2:36	70		2:42	80
	vr	15-10			08:27		346	08:18		328	8:31		318	08:42		348	08:27		293	8:57		378	9:03		388
	vr	15-10				15:13	80		14:59	94		15:06	84		15:20	114		15:31	81		15:26	54		15:32	64
	vr	15-10			21:19		340	21:09		323	21:22		313	21:33		343	21:21		286	21:48		373	21:54		383
	za	16-10				03:41	90		03:38	100		3:45	90		03:59	120		04:00	90		4:05	60		4:11	70
	za	16-10			09:42		363	09:36		349	9:49		339	10:00		369	09:48		307	10:15		399	10:21		409
	za	16-10				16:22	67		16:20	71		16:27	61		16:41	91		16:44	68		16:47	31		16:53	41
	za	16-10			22:29		360	22:23		347	22:36		337	22:47		367	22:33		303	23:02		397	23:08		407
	zo	17-10				04:50	70		04:53	70		5:00	60		05:14	90		05:10	80		5:20	30		5:26	40
	zo	17-10			10:47		383	10:45		375	10:58		365	11:09		395	10:56		326	11:24		425	11:30		435
	zo	17-10				17:34	53		17:29	46		17:36	36		17:50	66		17:50	55		17:56	6		18:02	16
	zo	17-10			23:28		377	23:28		370	23:41		360	23:52		390	23:31		319	0:07		420	0:13		430
	ma	18-10				05:57	60		05:57	50		6:04	40		06:18	70		06:11	60	0:07		420	0:13		430
	ma	18-10			11:42		395	11:45		392	11:58		382	12:09		412	11:51		339		6:24	10		6:30	20
	ma	18-10				18:30	45		18:28	31		18:35	21		18:49	51		18:43	50	12:24		442	12:30		452
	ma	18-10			00:18		385	00:22		379	0:35		369	00:46		399	00:19		328		18:55	-9		19:01	1

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maand	dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
	di	19-10			00:18		385	00:22		379	0:35		369	00:46		399	00:19		328	1:01		429	1:07		439
	di	19-10				06:50	50		06:51	40		6:58	30		07:12	60		07:01	60		7:18	0		7:24	10
	di	19-10			12:31		396	12:36		392	12:49		382	13:00		412	12:37		341	13:15		442	13:21		452
	di	19-10	21:12	NM		19:15	46		19:16	32		19:23	22		19:37	52		19:28	54		19:43	-8		19:49	2
	wo	20-10			01:03		383	01:06		373	1:19		363	01:30		393	01:00		329	1:45		423	1:51		433
	wo	20-10				07:34	50		07:36	40		7:43	30		07:57	60		07:43	60		8:03	0		8:09	10
	wo	20-10			13:14		389	13:17		381	13:30		371	13:41		401	13:16		334	13:56		431	14:02		441
	wo	20-10				19:54	54		19:56	43		20:03	33		20:17	63		20:04	62		20:23	3		20:29	13
	do	21-10			01:40		377	01:40		363	1:53		353	02:04		383	01:35		325	2:19		413	2:25		423
	do	21-10				08:11	60		08:12	50		8:19	40		08:33	70		08:19	60		8:39	10		8:45	20
	do	21-10			13:49		380	13:49		368	14:02		358	14:13		388	13:48		326	14:28		418	14:34		428
	do	21-10				20:26	62		20:28	53		20:35	43		20:49	73		20:34	68		20:55	13		21:01	23
	vr	22-10			02:09		375	02:04		360	2:17		350	02:28		380	02:04		324	2:43		410	2:49		420
	vr	22-10				08:42	60		08:41	50		8:48	40		09:02	70		08:49	60		9:08	10		9:14	20
	vr	22-10			14:20		376	14:16		364	14:29		354	14:40		384	14:16		322	14:55		414	15:01		424
	vr	22-10				20:51	65		20:55	54		21:02	44		21:16	74		21:00	70		21:22	14		21:28	24
	za	23-10			02:36		379	02:28		368	2:41		358	02:52		388	02:32		327	3:07		418	3:13		428
	za	23-10				09:06	60		09:09	50		9:16	40		09:30	70		09:17	60		9:36	10		9:42	20
	za	23-10			14:52		376	14:44		366	14:57		356	15:08		386	14:46		322	15:23		416	15:29		426
	za	23-10				21:15	68		21:23	53		21:30	48		21:44	73		21:29	73		21:50	13		21:56	23
	zo	24-10			03:08		386	03:01		376	3:14		366	03:25		396	03:04		331	3:40		426	3:46		436
	zo	24-10				09:32	70		09:40	50		9:47	40		10:01	70		09:48	70		10:07	10		10:13	20
	zo	24-10			15:28		376	15:18		366	15:31		356	15:42		386	15:21		322	15:57		416	16:03		426
	zo	24-10				21:46	77		21:53	60		22:00	50		22:14	80		22:00	82		22:20	20		22:26	30
	ma	25-10			03:45		388	03:36		377	3:49		367	04:00		397	03:39		332	4:15		427	4:21		437
	ma	25-10				10:05	80		10:13	60		10:20	50		10:34	80		10:21	80		10:40	20		10:46	30
	ma	25-10			16:06		371	15:54		358	16:07		348	16:18		378	15:58		317	16:33		408	16:39		418
	ma	25-10				22:19	97		22:24	80		22:31	70		22:45	100		22:32	99		22:51	40		22:57	50
	di	26-10			04:22		385	04:12		370	4:25		360	04:36		390	04:14		329	4:51		420	4:57		430
	di	26-10				10:41	100		10:46	80		10:53	70		11:07	100		10:56	100		11:13	40		11:19	50
	di	26-10			16:44		361	16:29		344	16:42		334	16:53		364	16:35		308	17:08		394	17:14		404
	di	26-10				22:50	120		22:55	105		23:02	95		23:16	125		23:05	121		23:22	65		23:28	75
	wo	27-10			05:00		379	04:48		360	5:01		350	05:12		380	04:50		325	5:27		410	5:33		420
	wo	27-10				11:19	120		11:20	100		11:27	90		11:41	120		11:35	120		11:47	60		11:53	70
	wo	27-10			17:24		352	17:07		329	17:20		319	17:31		349	17:16		299	17:46		379	17:52		389
	wo	27-10				23:22	140		23:29	128		23:36	118		23:50	148		23:42	141		23:56	80		0:02	90

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
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	
			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			
do	28-10	0:22	EK	05:41		375	05:27		351	5:40		341	05:51		371	05:35		321		23:56	80		0:02	90	
do	28-10				12:06	130		12:02	120		12:09	110		12:23	140		12:23	130		6:06		401		6:12	411
do	28-10			18:11		346	17:55		318	18:08		308	18:19		338	18:09		292		12:29	85		12:35	95	
do	28-10				00:14	150		00:15	140		0:22	130		00:36	160		00:34	150		18:34		368		18:40	378
vr	29-10				00:14	150		00:15	140		0:22	130		00:36	160		00:34	150			0:42	100		0:48	110
vr	29-10			05:30		374	05:20		346	5:33		336	05:44		366	05:35		320		5:59		396		6:05	406
vr	29-10				12:03	137		11:57	137		12:04	127		12:18	157		12:24	141			12:24	97		12:30	107
vr	29-10			18:07		345	17:58		314	18:11		304	18:22		334	18:18		290		18:37		364		18:43	374
za	30-10				00:20	149		00:19	153		0:26	143		00:40	173		00:40	153			0:46	113		0:52	123
za	30-10			06:31		377	06:29		348	6:42		338	06:53		368	06:47		323		7:08		398		7:14	408
za	30-10				13:07	129		13:11	134		13:18	124		13:32	154		13:35	132			13:38	94		13:44	104
za	30-10			19:14		351	19:14		321	19:27		311	19:38		341	19:36		297		19:53		371		19:59	381
zo	31-10				01:27	136		01:41	144		1:48	134		02:02	164		01:56	141			2:08	104		2:14	114
zo	31-10			07:43		383	07:47		359	8:00		349	08:11		379	08:02		330		8:26		409		8:32	419
zo	31-10				14:17	110		14:37	111		14:44	101		14:58	131		14:51	111			15:04	71		15:10	81
zo	31-10			20:33		361	20:32		338	20:45		328	20:56		358	20:49		309		21:11		388		21:17	398

getijden 2016				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
ma	1-11				02:40	116		03:04	115		3:11	105		03:25	135		03:15	118		3:31	75		3:37	85
ma	1-11			09:02		392	08:58		375	9:11		365	09:22		395	09:11		339	9:37		425	9:43		435
ma	1-11				15:36	86		15:46	77		15:53	67		16:07	97		15:58	87		16:13	37		16:19	47
ma	1-11			21:43		373	21:37		357	21:50		347	22:01		377	21:50		319	22:16		407	22:22		417
di	2-11				04:02	93		04:09	84		4:16	74		04:30	104		04:20	93		4:36	44		4:42	54
di	2-11			10:04		398	09:57		385	10:10		375	10:21		405	10:08		343	10:36		435	10:42		445
di	2-11				16:38	65		16:42	53		16:49	43		17:03	73		16:54	68		17:09	13		17:15	23
di	2-11			22:39		381	22:30		366	22:43		356	22:54		386	22:40		323	23:09		416	23:15		426
wo	3-11				05:01	73		05:03	63		5:10	53		05:24	83		05:14	76		5:30	23		5:36	33
wo	3-11			10:56		399	10:47		388	11:00		378	11:11		408	10:55		342	11:26		438	11:32		448
wo	3-11				17:29	53		17:30	39		17:37	29		17:51	59		17:42	58		17:57	-1		18:03	9
wo	3-11			23:26		382	23:15		367	23:28		357	23:39		387	23:21		323	23:54		417	0:00		467
do	4-11				05:50	61		05:50	50		5:57	40		06:11	70		06:01	65		23:54	417	0:00		467
do	4-11	6:23 VM		11:41		397	11:31		387	11:44		377	11:55		407	11:34		340		6:17	10		6:23	20
do	4-11				18:14	47		18:15	33		18:22	23		18:36	53		18:27	54		12:10	437	12:16		447
do	4-11			00:09		381	23:56		367	0:09		357	00:20		387	23:56		323		18:42	-7		18:48	3
vr	5-11			00:09		381	06:33		39		6:40	29	00:20		387	06:45		58	0:35		417	0:41		427
vr	5-11				06:34	52	12:13		387	12:26		377		06:54	59	12:12		340		7:00	-1		7:06	9
vr	5-11			12:24		395	18:57		27		19:04	17	12:37		407	19:09		52	12:52		437	12:58		447
vr	5-11				18:57	45	00:35		369	0:48		359	19:18		47	00:33		326		19:24	-13		19:30	-3
za	6-11			00:48		382	00:35		369	0:48		359	00:59		389	00:33		326	1:14		419	1:20		429
za	6-11				07:16	44	07:15		27		7:22	17	07:36		47	07:28		50		7:42	-13		7:48	-3
za	6-11			13:07		394	12:56		388	13:09		378	13:20		408	12:54		340	13:35		438	13:41		448
za	6-11				19:38	43	19:38		23		19:45	13	19:59		43	19:50		50		20:05	-17		20:11	-7
zo	7-11			01:28		385	01:15		375	1:28		365	01:39		395	01:16		331	1:54		425	2:00		435
zo	7-11				07:57	37	07:58		17		8:05	7	08:19		37	08:11		44		8:25	-23		8:31	-13
zo	7-11			13:51		391	13:41		385	13:54		375	14:05		405	13:43		338	14:20		435	14:26		445
zo	7-11				20:17	45	20:20		23		20:27	13	20:41		43	20:31		51		20:47	-17		20:53	-7
ma	8-11			02:10		386	01:58		378	2:11		368	02:22		398	02:04		333	2:37		428	2:43		438
ma	8-11				08:38	35	08:42		15		8:49	5	09:03		35	08:54		41		9:09	-25		9:15	-15
ma	8-11			14:38		382	14:28		374	14:41		364	14:52		394	14:34		329	15:07		424	15:13		434
ma	8-11				20:56	52	21:02		33		21:09	23	21:23		53	21:13		57		21:29	-7		21:35	3
di	9-11			02:55		382	02:44		375	2:57		365	03:08		395	02:53		329	3:23		425	3:29		435
di	9-11				09:20	41	09:27		24		9:34	14	09:48		44	09:41		45		9:54	-16		10:00	-6
di	9-11			15:29		365	15:18		356	15:31		346	15:42		376	15:27		314	15:57		406	16:03		416
di	9-11				21:36	66	21:45		53		21:52	48	22:06		73	21:57		69		22:12	13		22:18	23

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maand	dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
					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		
wo		10-11			03:44		373	03:32		364	3:45		354	03:56		384	03:44		320	4:11		414	4:17		424
wo		10-11				10:09	55		10:13	43		10:20	33		10:34	63		10:33	57		10:40	3		10:46	13
wo		10-11			16:26		347	16:13		333	16:26		323	16:37		353	16:23		297	16:52		383	16:58		393
wo		10-11	21:36	LK		22:24	84		22:32	78		22:39	68		22:53	98		22:49	85		22:59	38		23:05	48
do		11-11			04:40		360	04:28		348	4:41		338	04:52		368	04:38		309	5:07		398	5:13		408
do		11-11				11:19	71		11:07	66		11:14	56		11:28	86		11:36	70		11:34	26		11:40	36
do		11-11			17:31		333	17:18		315	17:31		305	17:42		335	17:27		282	17:57		365	18:03		375
do		11-11				23:45	100		23:29	102		23:36	92		23:50	122		23:57	100		23:56	62		0:02	72
vr		12-11			05:48		353	05:36		337	5:49		327	06:00		357	05:44		301		23:56	62		0:02	72
vr		12-11				12:41	77		12:14	85		12:21	75		12:35	105		12:54	78	6:15		387	6:21		397
vr		12-11			18:40		331	18:30		309	18:43		299	18:54		329	18:41		277		12:41	45		12:47	55
vr		12-11				01:08	101		00:46	114		0:53	104		01:07	134		01:19	104	19:09		359	19:15		369
za		13-11				01:08	101		00:46	114		0:53	104		01:07	134		01:19	104		1:13	74		1:19	84
za		13-11			07:01		355	06:53		337	7:06		327	07:17		357	07:03		301	7:32		387	7:38		397
za		13-11				13:46	73		13:34	86		13:41	76		13:55	106		14:06	76		14:01	46		14:07	56
za		13-11			19:51		340	19:44		319	19:57		309	20:08		339	19:56		284	20:23		369	20:29		379
zo		14-11				02:12	92		02:08	105		2:15	95		02:29	125		02:31	96		2:35	65		2:41	75
zo		14-11			08:12		366	08:08		350	8:21		340	08:32		370	08:20		310	8:47		400	8:53		410
zo		14-11				14:49	67		14:49	71		14:56	61		15:10	91		15:15	68		15:16	31		15:22	41
zo		14-11			21:01		356	20:57		339	21:10		329	21:21		359	21:06		299	21:36		389	21:42		399
ma		15-11				03:19	81		03:21	84		3:28	74		03:42	104		03:41	82		3:48	44		3:54	54
ma		15-11			09:19		378	09:17		366	9:30		356	09:41		386	09:28		322	9:56		416	10:02		426
ma		15-11				16:01	58		15:56	52		16:03	42		16:17	72		16:22	59		16:23	12		16:29	22
ma		15-11			22:02		370	22:02		358	22:15		348	22:26		378	22:06		313	22:41		408	22:47		418
di		16-11				04:31	67		04:27	63		4:34	53		04:48	83		04:46	69		4:54	23		5:00	33
di		16-11			10:18		383	10:19		374	10:32		364	10:43		394	10:26		327	10:58		424	11:04		434
di		16-11				17:02	51		16:55	41		17:02	31		17:16	61		17:16	54		17:22	1		17:28	11
di		16-11			22:54		376	22:55		365	23:08		355	23:19		385	22:56		320	23:34		415	23:40		425
wo		17-11				05:26	57		05:22	51		5:29	41		05:43	71		05:38	62	23:34		415	23:40		425
wo		17-11			11:09		379	11:10		369	11:23		359	11:34		389	11:13		324		5:49	11		5:55	21
wo		17-11				17:48	51		17:45	41		17:52	31		18:06	61		18:01	58	11:49		419	11:55		429
wo		17-11			23:38		374	23:37		361	23:50		351	00:01		381	23:36		320		18:12	1		18:18	11
do		18-11				06:10	55		06:07	50		6:14	40	00:01		381		06:20	62	0:16		411	0:22		421
do		18-11			11:51		370	11:51		356	12:04		346		06:28	70	11:52		316		6:34	10		6:40	20
do		18-11	12:42	NM		18:26	58		18:25	49		18:32	39	12:15		376		18:36	65	12:30		406	12:36		416
do		18-11			00:12		371	00:07		356	0:20		346		18:46	69	00:08		319		18:52	9		18:58	19

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		dag datum		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
				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		
			fase																					
vr	19-11			00:12		371	00:07		356	0:20		346	00:31		376	00:08		319	0:46		406	0:52		416
vr	19-11				06:47	59		06:44	52		6:51	42		07:05	72		06:54	65		7:11	12		7:17	22
vr	19-11			12:26		363	12:22		348	12:35		338	12:46		368	12:22		310	13:01		398	13:07		408
vr	19-11				18:57	63		18:57	55		19:04	45		19:18	75		19:04	69		19:24	15		19:30	25
za	20-11			00:39		373	00:30		361	0:43		351	00:54		381	00:36		322	1:09		411	1:15		421
za	20-11				07:17	62		07:14	51		7:21	41		07:35	71		07:24	66		7:41	11		7:47	21
za	20-11			12:57		364	12:49		351	13:02		341	13:13		371	12:51		312	13:28		401	13:34		411
za	20-11				19:22	65		19:26	54		19:33	44		19:47	74		19:31	70		19:53	14		19:59	24
zo	21-11			01:08		382	00:59		374	1:12		364	01:23		394	01:06		329	1:38		424	1:44		434
zo	21-11				07:42	64		07:45	46		7:52	36		08:06	66		07:53	67		8:12	6		8:18	16
zo	21-11			13:30		370	13:20		360	13:33		350	13:44		380	13:24		317	13:59		410	14:05		420
zo	21-11				19:50	69		19:57	53		20:04	43		20:18	73		20:02	73		20:24	13		20:30	23
ma	22-11			01:43		392	01:35		385	1:48		375	01:59		405	01:41		337	2:14		435	2:20		445
ma	22-11				08:12	69		08:18	47		8:25	37		08:39	67		08:27	72		8:45	7		8:51	17
ma	22-11			14:08		373	13:57		363	14:10		353	14:21		383	14:03		319	14:36		413	14:42		423
ma	22-11				20:23	81		20:29	62		20:36	57		20:50	82		20:36	85		20:56	72		21:02	32
di	23-11			02:21		395	02:13		386	2:26		376	02:37		406	02:18		339	2:52		436	2:58		446
di	23-11				08:46	81		08:53	60		9:00	50		09:14	80		09:02	84		9:20	20		9:26	30
di	23-11			14:46		370	14:33		356	14:46		346	14:57		376	14:42		315	15:12		406	15:18		416
di	23-11				20:57	100		21:02	83		21:09	73		21:23	103		21:10	103		21:29	43		21:35	53
wo	24-11			02:57		392	02:48		378	3:01		368	03:12		398	02:54		336	3:27		428	3:33		438
wo	24-11				09:22	98		09:26	81		9:33	71		09:47	101		09:37	101		9:53	41		9:59	51
wo	24-11			15:22		360	15:08		341	15:21		331	15:32		361	15:18		306	15:47		391	15:53		401
wo	24-11				21:28	120		21:32	105		21:39	95		21:53	125		21:41	122		21:59	65		22:05	75
do	25-11			03:31		386	03:21		367	3:34		357	03:45		387	03:25		331	4:00		417	4:06		427
do	25-11				09:58	112		09:59	98		10:06	88		10:20	118		10:13	115		10:26	58		10:32	68
do	25-11			15:58		351	15:42		328	15:55		318	16:06		348	15:52		297	16:21		378	16:27		388
do	25-11				21:57	132		22:04	119		22:11	109		22:25	139		22:15	134		22:31	79		22:37	89
vr	26-11			04:07		382	03:56		361	4:09		351	04:20		381	04:00		327	4:35		411	4:41		421
vr	26-11				10:39	118		10:36	105		10:43	95		10:57	125		10:54	121		11:03	65		11:09	75
vr	26-11	18:03 EK		16:40		346	16:23		319	16:36		309	16:47		339	16:35		292	17:02		369	17:08		379
vr	26-11				22:41	134		22:45	124		22:52	114		23:06	144		23:01	137		23:12	84		23:18	94
za	27-11			04:53		381	04:41		357	4:54		347	05:05		377	04:50		325	5:20		407	5:26		417
za	27-11				11:29	115		11:24	105		11:31	95		11:45	125		11:46	119		11:51	65		11:57	75
za	27-11			17:30		346	17:17		316	17:30		306	17:41		336	17:32		291	17:56		366	18:02		376
za	27-11				23:43	129		23:41	125		23:48	115		00:02	145		00:01	133		0:08	85		0:14	95

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
dag datum		maan	tijd fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	
zo	28-11			05:47		381	05:41		354	5:54		344	00:02		145	00:01		133							
zo	28-11				12:27	105		12:26	101		12:33	91	06:05		374	05:53		323	6:20		404	6:26		0:14	95
zo	28-11			18:29		350	18:25		319	18:38		309		12:47	121		12:48	109		12:53	61		12:59	71	
zo	28-11				00:46	117		00:50	120		0:57	110	18:49		339	18:39		293	19:04		369	19:10		379	
ma	29-11				00:46	117		00:50	120		0:57	110		01:11	140		01:08	123		1:17	80		1:23	90	
ma	29-11			06:49		381	06:52		354	7:05		344	07:16		374	07:03		323	7:31		404	7:37		414	
ma	29-11				13:30	92		13:40	89		13:47	79		14:01	109		13:57	96		14:07	49		14:13	59	
ma	29-11			19:38		356	19:40		329	19:53		319	20:04		349	19:53		300	20:19		379	20:25		389	
di	30-11				01:52	104		02:09	105		2:16	95		02:30	125		02:23	107		2:36	65		2:42	75	
di	30-11			08:01		381	08:05		360	8:18		350	08:29		380	08:16		325	8:44		410	8:50		420	
di	30-11				14:40	78		14:55	68		15:02	58		15:16	88		15:09	80		15:22	28		15:28	38	
di	30-11			20:56		363	20:50		343	21:03		333	21:14		363	21:03		307	21:29		393	21:35		403	

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maan		fase		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
dag	datum	tijd		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														
wo	1-12			03:08	90	03:22	82	3:29	72	03:43	102	03:37	90	3:49	42	3:55	52							
wo	1-12			09:18	383	09:12	367	9:25	357	09:36	387	09:22	328	9:51	417	9:57	427							
wo	1-12			15:52	64	15:58	48	16:05	38	16:19	68	16:13	66	16:25	8	16:31	18							
wo	1-12			22:01	371	21:51	354	22:04	344	22:15	374	22:00	313	22:30	404	22:36	414							
do	2-12			04:22	74	04:24	61	4:31	51	04:45	81	04:40	74	4:51	21	4:57	31							
do	2-12			10:21	384	10:10	372	10:23	362	10:34	392	10:17	329	10:49	422	10:55	432							
do	2-12			16:52	54	16:53	35	17:00	25	17:14	55	17:09	57	17:20	-5	17:26	5							
do	2-12			22:55	375	22:42	360	22:55	350	23:06	380	22:47	316	23:21	410	23:27	420							
vr	3-12			05:19	60	05:18	45	5:25	35	05:39	65	05:34	62	5:45	5	5:51	15							
vr	3-12			11:14	384	11:02	373	11:15	363	11:26	393	11:05	329	11:41	423	11:47	433							
vr	3-12	16:47 VM		17:44	47	17:44	28	17:51	18	18:05	48	17:59	52	18:11	-12	18:17	-2							
vr	3-12			23:42	376	23:29	364	23:42	354	23:53	384	23:29	319	0:08	414	0:14	424							
za	4-12			06:10	47	06:08	30	6:15	20	06:29	50	06:23	51	0:08	414	0:14	424							
za	4-12			12:03	383	11:52	373	12:05	363	12:16	393	11:51	329	6:35	-10	6:41	0							
za	4-12			18:33	43	18:32	23	18:39	13	18:53	43	18:46	48	12:31	423	12:37	433							
za	4-12			00:26	379	00:14	369	0:27	359	00:38	389	00:12	325	18:59	-17	19:05	-7							
zo	5-12			00:26	379	00:14	369	0:27	359	00:38	389	00:12	325	0:53	419	0:59	429							
zo	5-12			06:58	36	06:56	17	7:03	7	07:17	37	07:12	40	7:23	-23	7:29	-13							
zo	5-12			12:52	382	12:43	371	12:56	361	13:07	391	12:40	328	13:22	421	13:28	431							
zo	5-12			19:19	40	19:20	20	19:27	10	19:41	40	19:32	45	19:47	-20	19:53	-10							
ma	6-12			01:10	383	01:00	373	1:13	363	01:24	393	00:59	330	1:39	423	1:45	433							
ma	6-12			07:46	27	07:44	7	7:51	-3	08:05	27	08:00	32	8:11	-33	8:17	-23							
ma	6-12			13:40	377	13:34	366	13:47	356	13:58	386	13:32	325	14:13	416	14:19	426							
ma	6-12			20:04	40	20:06	21	20:13	11	20:27	41	20:18	44	20:33	-19	20:39	-9							
di	7-12			01:55	384	01:47	374	2:00	364	02:11	394	01:51	331	2:26	424	2:32	434							
di	7-12			08:33	25	08:33	5	8:40	-5	08:54	25	08:49	29	9:00	-35	9:06	-25							
di	7-12			14:30	369	14:25	356	14:38	346	14:49	376	14:26	317	15:04	406	15:10	416							
di	7-12			20:49	47	20:52	31	20:59	21	21:13	51	21:05	50	21:19	-9	21:25	1							
wo	8-12			02:43	381	02:35	370	2:48	360	02:59	390	02:42	328	3:14	420	3:20	430							
wo	8-12			09:22	32	09:20	15	9:27	5	09:41	35	09:40	34	9:47	-25	9:53	-15							
wo	8-12			15:22	356	15:15	341	15:28	331	15:39	361	15:19	304	15:54	391	16:00	401							
wo	8-12			21:35	59	21:38	48	21:45	43	21:59	68	21:53	61	22:05	58	22:11	18							
do	9-12			03:33	374	03:24	362	3:37	352	03:48	382	03:33	321	4:03	412	4:09	422							
do	9-12			10:15	45	10:07	32	10:14	22	10:28	52	10:31	46	10:34	-8	10:40	2							
do	9-12			16:15	343	16:06	325	16:19	315	16:30	345	16:12	291	16:45	375	16:51	385							
do	9-12			22:27	74	22:24	67	22:31	57	22:45	87	22:43	74	22:51	27	22:57	37							

getijden 2016				Wangerooze, West			Wangerooze, Langes Riff			Wangerooze, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
maand		dag datum		HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
				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		
vr	10-12			04:27		365	04:16		352	4:29		342	04:40		372	04:24		312	4:55		402	5:01		412
vr	10-12	8:51	LK		11:14	59		10:57	52		11:04	42		11:18	72		11:27	59		11:24	12		11:30	22
vr	10-12			17:12		334	17:01		313	17:14		303	17:25		333	17:08		281	17:40		363	17:46		373
vr	10-12				23:31	86		23:15	85		23:22	75		23:36	105		23:40	86		23:42	45		23:48	55
za	11-12			05:26		359	05:14		342	5:27		332	05:38		362	05:21		305	5:53		392	5:59		402
za	11-12				12:14	67		11:54	67		12:01	57		12:15	87		12:27	68		12:21	27		12:27	37
za	11-12			18:11		331	18:01		308	18:14		298	18:25		328	18:09		276	18:40		358	18:46		368
za	11-12				00:35	90		00:17	96		0:24	86		00:38	116		00:46	91		0:44	56		0:50	66
zo	12-12				00:35	90		00:17	96		0:24	86		00:38	116		00:46	91		0:44	56		0:50	66
zo	12-12			06:29		357	06:20		337	6:33		327	06:44		357	06:28		302	6:59		387	7:05		397
zo	12-12				13:11	69		12:59	73		13:06	63		13:20	93		13:29	71		13:26	33		13:32	43
zo	12-12			19:12		335	19:07		310	19:20		300	19:31		330	19:16		279	19:46		360	19:52		370
ma	13-12				01:36	86		01:28	96		1:35	86		01:49	116		01:52	89		1:55	56		2:01	66
ma	13-12			07:34		358	07:30		337	7:43		327	07:54		357	07:40		302	8:09		387	8:15		397
ma	13-12				14:08	66		14:08	69		14:15	59		14:29	89		14:32	69		14:35	29		14:41	39
ma	13-12			20:19		343	20:16		320	20:29		310	20:40		340	20:24		287	20:55		370	21:01		380
di	14-12				02:38	78		02:39	85		2:46	75		03:00	105		03:01	80		3:06	45		3:12	55
di	14-12			08:42		359	08:40		340	8:53		330	09:04		360	08:50		303	9:19		390	9:25		400
di	14-12				15:11	62		15:14	59		15:21	49		15:35	79		15:40	63		15:41	19		15:47	29
di	14-12			21:27		352	21:23		332	21:36		322	21:47		352	21:29		296	22:02		382	22:08		392
wo	15-12				03:52	69		03:48	69		3:55	59		04:09	89		04:11	69		4:15	29		4:21	39
wo	15-12			09:48		359	09:46		341	9:59		331	10:10		361	09:54		303	10:25		391	10:31		401
wo	15-12				16:24	57		16:16	51		16:23	41		16:37	71		16:42	59		16:43	11		16:49	21
wo	15-12			22:23		358	22:20		340	22:33		330	22:44		360	22:24		303	22:59		390	23:05		400
do	16-12				04:58	58		04:48	55		4:55	45		05:09	75		05:10	60		5:15	15		5:21	25
do	16-12			10:44		355	10:42		337	10:55		327	11:06		357	10:46		300	11:21		387	11:27		397
do	16-12				17:18	56		17:10	49		17:17	39		17:31	69		17:30	60		17:37	9		17:43	19
do	16-12			23:09		360	23:05		342	23:18		332	23:29		362	23:08		305	23:44		392	23:50		402
vr	17-12				05:45	54		05:38	49		5:45	39		05:59	69		05:55	59		23:44	392	23:50		402
vr	17-12			11:30		350	11:26		330	11:39		320	11:50		350	11:28		296		6:05	9		6:11	19
vr	17-12				17:57	59		17:54	52		18:01	42		18:15	72		18:08	65		12:05	380	12:11		390
vr	17-12			23:45		361	23:38		345	23:51		335	00:02		365	23:42		308		18:21	12		18:27	22
za	18-12				06:23	57		06:18	49		6:25	39		00:02	365		06:31	62		0:17	395	0:23		405
za	18-12	7:30	NM	12:06		349	11:59		330	12:12		320		06:39	69	12:01		296		6:45	9		6:51	19
za	18-12				18:30	63		18:31	55		18:38	45		12:23	350		18:39	69		12:38	380	12:44		390
za	18-12			00:14		369	00:06		355	0:19		345		18:52	75	00:12		316		18:58	15		19:04	25

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel			
maand	dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
	zo	19-12			00:14		369	00:06		355	0:19		345	00:30		375	00:12		316	0:45		405	0:51		415
	zo	19-12				06:54	60		06:52	48		6:59	38		07:13	68		07:02	64		7:19	8		7:25	18
	zo	19-12			12:38		355	12:28		338	12:41		328	12:52		358	12:32		302	13:07		388	13:13		398
	zo	19-12				19:00	65		19:04	54		19:11	44		19:25	74		19:09	70		19:31	14		19:37	24
	ma	20-12			00:46		381	00:38		371	0:51		361	01:02		391	00:45		327	1:17		421	1:23		431
	ma	20-12				07:24	62		07:26	45		7:33	35		07:47	65		07:34	65		7:53	5		7:59	15
	ma	20-12			13:12		364	13:01		350	13:14		340	13:25		370	13:07		311	13:40		400	13:46		410
	ma	20-12				19:32	68		19:37	54		19:44	44		19:58	74		19:42	72		20:04	14		20:10	24
	di	21-12			01:23		392	01:15		382	1:28		372	01:39		402	01:22		337	1:54		432	2:00		442
	di	21-12				07:56	65		08:01	46		8:08	36		08:22	66		08:09	68		8:28	6		8:34	16
	di	21-12			13:50		369	13:38		355	13:51		345	14:02		375	13:47		316	14:17		405	14:23		415
	di	21-12				20:06	76		20:12	60		20:19	50		20:33	80		20:17	80		20:39	20		20:45	30
	wo	22-12			02:01		395	01:52		383	2:05		373	02:16		403	02:01		340	2:31		433	2:37		443
	wo	22-12				08:31	72		08:36	54		8:43	44		08:57	74		08:45	76		9:03	14		9:09	24
	wo	22-12			14:27		366	14:15		349	14:28		339	14:39		369	14:27		312	14:54		399	15:00		409
	wo	22-12				20:40	88		20:45	75		20:52	70		21:06	95		20:51	92		21:12	35		21:18	45
	do	23-12			02:36		391	02:26		375	2:39		365	02:50		395	02:37		335	3:05		425	3:11		435
	do	23-12				09:05	82		09:09	67		9:16	57		09:30	87		09:20	86		9:36	27		9:42	37
	do	23-12			15:02		357	14:47		336	15:00		326	15:11		356	15:02		302	15:26		386	15:32		396
	do	23-12				21:11	100		21:15	89		21:22	79		21:36	109		21:23	103		21:42	49		21:48	59
	vr	24-12			03:07		384	02:57		366	3:10		356	03:21		386	03:07		328	3:36		416	3:42		426
	vr	24-12				09:39	89		09:41	76		9:48	66		10:02	96		09:53	93		10:08	36		10:14	46
	vr	24-12			15:34		348	15:19		324	15:32		314	15:43		344	15:33		293	15:58		374	16:04		384
	vr	24-12				21:41	104		21:46	95		21:53	85		22:07	115		21:56	108		22:13	55		22:19	65
	za	25-12			03:41		381	03:30		361	3:43		351	03:54		381	03:36		323	4:09		411	4:15		421
	za	25-12				10:15	90		10:15	76		10:22	66		10:36	96		10:28	93		10:42	36		10:48	46
	za	25-12			16:12		344	15:55		319	16:08		309	16:19		339	16:07		289	16:34		369	16:40		379
	za	25-12				22:20	102		22:22	91		22:29	81		22:43	111		22:36	105		22:49	51		22:55	61
	zo	26-12			04:23		379	04:11		358	4:24		348	04:35		378	04:15		321	4:50		408	4:56		418
	zo	26-12				10:58	85		10:56	71		11:03	61		11:17	91		11:12	89		11:23	31		11:29	41
	zo	26-12			16:57		344	16:39		317	16:52		307	17:03		337	16:52		288	17:18		367	17:24		377
	zo	26-12				23:10	97		23:09	87		23:16	77		23:30	107		23:27	100		23:36	47		23:42	57
	ma	27-12			05:13		378	05:02		353	5:15		343	05:26		373	05:10		319	5:41		403	5:47		413
	ma	27-12	10:20	EK		11:50	80		11:48	69		11:55	59		12:09	89		12:06	84		12:15	29		12:21	39
	ma	27-12			17:50		346	17:37		316	17:50		306	18:01		336	17:49		289	18:16		366	18:22		376
	ma	27-12				00:08	0		00:08	87		0:15	77		00:29	107		00:27	95		0:35	47		0:41	57

getijden 2016				Wangerooge, West			Wangerooge, Langes Riff			Wangerooge, Ost			Minsener Oog, Buhne C			Helgoland			Schillig			Hooksiel		
dag	datum	tijd	maan	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
di	28-12				00:08	92		00:08	87		0:15	77		00:29	107		00:27	95		0:35	47		0:41	57
di	28-12			06:09		374	06:04		347	6:17		337	06:28		367	06:13		316	6:43		397	6:49		407
di	28-12				12:48	76		12:52	69		12:59	59		13:13	89		13:09	80		13:19	29		13:25	39
di	28-12			18:50		346	18:45		316	18:58		306	19:09		336	18:54		289	19:24		366	19:30		376
wo	29-12				01:11	89		01:18	87		1:25	77		01:39	107		01:35	91		1:45	47		1:51	57
wo	29-12			07:12		368	07:15		343	7:28		333	07:39		363	07:21		312	7:54		393	8:00		403
wo	29-12				13:55	73		14:05	65		14:12	55		14:26	85		14:20	75		14:32	25		14:38	35
wo	29-12			20:03		347	20:00		320	20:13		310	20:24		340	20:06		291	20:39		370	20:45		380
do	30-12				02:23	84		02:35	79		2:42	69		02:56	99		02:52	84		3:02	39		3:08	49
do	30-12			08:29		364	08:28		343	8:41		333	08:52		363	08:33		310	9:07		393	9:13		403
do	30-12				15:09	66		15:17	53		15:24	43		15:38	73		15:34	68		15:44	13		15:50	23
do	30-12			21:22		352	21:10		329	21:23		319	21:34		349	21:15		295	21:49		379	21:55		389
vr	31-12				03:44	72		03:47	62		3:54	52		04:08	82		04:05	72		4:14	22		4:20	32
vr	31-12			09:48		365	09:37		347	9:50		337	10:01		367	09:41		311	10:16		397	10:22		407
vr	31-12				16:19	56		16:21	40		16:28	30		16:42	60		16:38	60		16:48	0		16:54	10
vr	31-12			22:25		359	22:12		340	22:25		330	22:36		360	22:14		301	22:51		390	22:57		400