

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	1-1			2:47		302	02:53		312	03:54		365	04:16		395	3:08		314	03:43		346	03:21		326
vr	1-1				9:16	71		09:22	81		10:29	83		10:47	83		9:18	71		10:11	83		09:41	83
vr	1-1			15:27		278	15:33		288	16:33		339	16:55		369	15:46		295	16:21		327	15:59		307
vr	1-1				21:20	84		21:26	94		22:34	103		22:52	103		21:24	88		22:17	100		21:47	100
za	2-1	6:30	LK	3:30		299	03:36		309	04:36		363	04:58		393	3:51		312	04:26		344	04:04		324
za	2-1				9:59	74		10:05	84		11:09	87		11:27	87		10:03	75		10:56	87		10:26	87
za	2-1			16:19		276	16:25		286	17:24		338	17:46		368	16:35		292	17:10		324	16:48		304
za	2-1				22:10	88		22:16	98		23:18	107		23:36	107		22:15	92		23:08	104		22:38	104
zo	3-1			4:27		292	04:33		302	05:30		357	05:52		387	4:44		304	05:19		336	04:57		316
zo	3-1				10:52	79		10:58	89		11:56	93		12:14	93		10:57	80		11:50	92		11:20	92
zo	3-1			17:17		273	17:23		283	18:21		335	18:43		365	17:30		288	18:05		320	17:43		300
zo	3-1				23:09	94		23:15	104								23:15	97					23:38	109
ma	4-1			5:31		283	05:37		293		00:11	114		00:29	114	5:45		294		00:08	109	05:58		306
ma	4-1				11:52	84		11:58	94	06:33		348	06:55		378		11:57	85	06:20		326		12:20	97
ma	4-1			18:16		273	18:22		283		12:51	103		13:09	103	18:28		285		12:50	97	18:41		297
ma	4-1					96			106	19:17		335	19:39		365			99	19:03		317			111
di	5-1				0:16	96		00:22	106		01:16	120		01:34	120		0:20	99		01:13	111		0:43	111
di	5-1			6:34		276	06:40		286	07:33		341	07:55		371	6:48		285	07:23		317	07:01		297
di	5-1				12:58	86		13:04	96		13:56	107		14:14	107		12:59	87		13:52	99		13:22	99
di	5-1			19:13		276	19:19		286	20:12		339	20:34		369	19:27		287	20:02		319	19:40		299
wo	6-1				1:26	92		01:32	102		02:31	115		02:49	115		1:28	95		02:21	107		01:51	107
wo	6-1			7:33		275	07:39		285	08:30		340	08:52		370	7:49		283	08:24		315	08:02		295
wo	6-1				14:01	81		14:07	91		15:05	102		15:23	102		14:00	84		14:53	96		14:23	96
wo	6-1			20:08		285	20:14		295	21:08		349	21:30		379	20:26		295	21:01		327	20:39		307
do	7-1				2:30	82		02:36	92		03:39	100		03:57	100		2:36	85		03:29	97		02:59	97
do	7-1			8:28		279	08:34		289	09:25		345	09:47		375	8:47		287	09:22		319	09:00		299
do	7-1				14:56	71		15:02	81		16:05	88		16:23	88		14:58	75		15:51	87		15:21	87
do	7-1			21:01		297	21:07		307	22:04		363	22:26		393	21:20		308	21:55		340	21:33		320
vr	8-1				3:27	69		03:33	79		04:37	82		04:55	82		3:34	71		04:27	83		03:57	83
vr	8-1			9:21		286	09:27		296	10:21		353	10:43		383	9:43		295	10:18		327	09:56		307
vr	8-1				15:47	59		15:53	69		16:58	72		17:16	72		15:51	63		16:44	75		16:14	75
vr	8-1			21:52		309	21:58		319	22:59		377	23:21		407	22:11		321	22:46		353	22:24		333
za	9-1				4:20	55		04:26	65		05:28	65		05:46	65		4:25	56		05:18	68		04:48	68
za	9-1			10:14		293	10:20		303	11:18		360	11:40		390	10:34		304	11:09		336	10:47		316
za	9-1				16:36	48		16:42	58		17:46	58		18:04	58		16:41	50		17:34	62		17:04	62
za	9-1			22:41		317	22:47		327	23:50		386			416	22:58		330	23:33		362	23:11		342

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	10-1	2:30	NM		5:09	43		05:15	53		06:16	51	00:12		416		5:13	43		06:06	55		05:36	55
zo	10-1			11:06		296	11:12		306	12:14		363		06:34	51	11:23		309	11:58		341	11:36		321
zo	10-1				17:23	41		17:29	51		18:31	48	12:36		393		17:28	41		18:21	53		17:51	53
zo	10-1			23:28		319	23:34		329			386		18:49	48	23:43		334			366	23:56		346
ma	11-1				5:56	34		06:02	44	00:38		386	01:00		416		5:58	33	0:18		366		06:21	45
ma	11-1			11:54		294	12:00		304		07:01	41		07:19	41	12:08		309		06:51	45	12:21		321
ma	11-1				18:07	37		18:13	47	13:04		359	13:26		389		18:11	36	12:43		341		18:34	48
ma	11-1										19:14	44		19:32	44					19:04	48			
di	12-1			0:09		316	0:15		326	01:19		382	01:41		412	0:24		332	0:59		364	0:37		344
di	12-1				6:39	29		06:45	39		07:43	34		08:01	34		6:41	27		07:34	39		07:04	39
di	12-1			12:38		288	12:44		298	13:47		352	14:09		382	12:51		304	13:26		336	13:04		316
di	12-1				18:48	35		18:54	45		19:55	42		20:13	42		18:52	33		19:45	45		19:15	45
wo	13-1			0:46		313	0:52		323	01:54		379	02:16		409	1:03		330	01:38		362	01:16		342
wo	13-1				7:21	25		07:27	35		08:25	29		08:43	29		7:22	23		08:15	35		07:45	35
wo	13-1			13:17		282	13:23		292	14:24		346	14:46		376	13:32		298	14:07		330	13:45		310
wo	13-1				19:27	33		19:33	43		20:34	39		20:52	39		19:31	30		20:24	42		19:54	42
do	14-1			1:23		313	01:29		323	02:30		381	02:52		411	1:41		330	02:16		362	01:54		342
do	14-1				8:00	23		08:06	33		09:05	26		09:23	26		8:01	20		08:54	32		08:24	32
do	14-1			13:56		278	14:02		288	15:01		344	15:23		374	14:14		294	14:49		326	14:27		306
do	14-1				20:05	29		20:11	39		21:14	36		21:32	36		20:09	27		21:02	39		20:32	39
vr	15-1			2:05		314	02:11		324	03:12		384	03:34		414	2:22		330	02:57		362	02:35		342
vr	15-1				8:39	22		08:45	32		09:45	26		10:03	26		8:41	19		09:34	31		09:04	31
vr	15-1			14:40		276	14:46		286	15:44		342	16:06		372	14:57		291	15:32		323	15:10		303
vr	15-1				20:46	27		20:52	37		21:54	35		22:12	35		20:50	25		21:43	37		21:13	37
za	16-1			2:52		313	02:58		323	03:59		383	04:21		413	3:07		329	03:42		361	03:20		341
za	16-1				9:21	24		09:27	34		10:28	31		10:46	31		9:22	22		10:15	34		09:45	34
za	16-1			15:29		272	15:35		282	16:34		338	16:56		368	15:44		286	16:19		318	15:57		298
za	16-1				21:30	29		21:36	39		22:37	42		22:55	42		21:34	29		22:27	41		21:57	41
zo	17-1	0:26	EK	3:42		306	03:48		316	04:52		374	05:14		404	3:56		320	04:31		352	04:09		332
zo	17-1				10:06	32		10:12	42		11:14	44		11:32	44		10:10	31		11:03	43		10:33	43
zo	17-1			16:23		265	16:29		275	17:31		328	17:53		358	16:37		278	17:12		310	16:50		290
zo	17-1				22:20	38		22:26	48		23:26	56		23:44	56		22:25	40		23:18	52		22:48	52
ma	18-1			4:38		293	04:44		303	05:52		357	06:14		387	4:52		305	05:27		337	05:05		317
ma	18-1				11:00	44		11:06	54		12:10	61		12:28	61		11:07	45		12:00	57		11:30	57
ma	18-1			17:24		257	17:30		267	18:34		317	18:56		347	17:40		268	18:15		300	17:53		280
ma	18-1				23:21	50		23:27	60								23:28	52					23:51	64

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
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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
di	19-1			5:45		278	05:51		288		00:30	74		00:48	74	6:02		288		00:21	64	06:15		300
di	19-1				12:17	54		12:23	64	07:00		340	07:22		370		12:27	55	06:37		320		12:50	67
di	19-1			18:33		251	18:39		261		13:24	73		13:42	73	18:52		261		13:20	67	19:05		273
di	19-1									19:48		310	20:10		340				19:27		293			
wo	20-1				0:45	55		00:51	65		01:54	79		02:12	79		0:58	57		01:51	69		01:21	69
wo	20-1			7:03		268	07:09		278	08:19		329	08:41		359	7:24		278	07:59		310	07:37		290
wo	20-1				13:34	53		13:40	63		14:36	71		14:54	71		13:41	54		14:34	66		14:04	66
wo	20-1			19:51		253	19:57		263	21:05		314	21:27		344	20:10		264	20:45		296	20:23		276
do	21-1				2:01	48		02:07	58		03:08	69		03:26	69		2:13	49		03:06	61		02:36	61
do	21-1			8:24		268	08:30		278	09:30		331	09:52		361	8:44		279	09:19		311	08:57		291
do	21-1				14:45	45		14:51	55		15:48	60		16:06	60		14:53	47		15:46	59		15:16	59
do	21-1			20:59		265	21:05		275	22:05		328	22:27		358	21:16		276	21:51		308	21:29		288
vr	22-1				3:22	36		03:28	46		04:28	51		04:46	51		3:31	36		04:24	48		03:54	48
vr	22-1			9:29		276	09:35		286	10:30		339	10:52		369	9:49		288	10:24		320	10:02		300
vr	22-1				15:58	34		16:04	44		17:00	44		17:18	44		16:03	36		16:56	48		16:26	48
vr	22-1			21:54		279	22:00		289	22:57		345	23:19		375	22:12		292	22:47		324	22:25		304
za	23-1				4:32	20		04:38	30		05:35	28		05:53	28		4:35	20		05:28	32		04:58	32
za	23-1			10:24		285	10:30		295	11:25		348	11:47		378	10:43		299	11:18		331	10:56		311
za	23-1				16:54	25		17:00	35		17:58	31		18:16	31		16:57	25		17:50	37		17:20	37
za	23-1			22:43		292	22:49		302	23:45		358				23:01		305	23:36		337	23:14		317
zo	24-1	2:46 VM			5:24	11		05:30	21		06:27	15	00:07		388		5:25	11		06:18	23		05:48	23
zo	24-1			11:13		290	11:19		300	12:18		354		06:45	15	11:31		306	12:06		338	11:44		318
zo	24-1				17:42	24		17:48	34		18:46	30	12:40		384		17:44	23		18:37	35		18:07	35
zo	24-1			23:27		299	23:33		309					19:04	30	23:45		313				23:58		325
ma	25-1				6:08	14		06:14	24	00:30		365	00:52		395		6:09	14	0:20		345		06:32	26
ma	25-1			11:58		291	12:04		301		07:12	20		07:30	20	12:14		308		07:02	26	12:27		320
ma	25-1				18:23	32		18:29	42	13:06		354	13:28		384		18:24	30	12:49		340		18:47	42
ma	25-1										19:27	42		19:45	42					19:17	42			
di	26-1			0:06		301	0:12		311	01:10		366	01:32		396	0:25		315	01:00		347	0:38		327
di	26-1				6:47	27		06:53	37		07:51	36		08:09	36		6:47	25		07:40	37		07:10	37
di	26-1			12:36		288	12:42		298	13:44		350	14:06		380	12:53		306	13:28		338	13:06		318
di	26-1				18:57	44		19:03	54		20:04	58		20:22	58		19:00	42		19:53	54		19:23	54
wo	27-1			0:41		300	0:47		310	01:45		364	02:07		394	1:01		315	01:36		347	01:14		327
wo	27-1				7:19	40		07:25	50		08:26	52		08:44	52		7:21	38		08:14	50		07:44	50
wo	27-1			13:09		286	13:15		296	14:14		346	14:36		376	13:26		304	14:01		336	13:39		316
wo	27-1				19:24	54		19:30	64		20:35	69		20:53	69		19:28	52		20:21	64		19:51	64

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
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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			1:13		300	01:19		310	02:18		363	02:40		393	1:33		315	02:08		347	01:46		327
do	28-1				7:47	49		07:53	59		08:57	60		09:15	60		7:49	47		08:42	59		08:12	59
do	28-1			13:38		285	13:44		295	14:44		347	15:06		377	13:58		304	14:33		336	14:11		316
do	28-1				19:48	58		19:54	68		21:03	72		21:21	72		19:52	57		20:45	69		20:15	69
vr	29-1			1:43		302	01:49		312	02:50		365	03:12		395	2:04		316	02:39		348	02:17		328
vr	29-1				8:13	51		08:19	61		09:27	60		09:45	60		8:15	49		09:08	61		08:38	61
vr	29-1			14:10		286	14:16		296	15:18		348	15:40		378	14:33		304	15:08		336	14:46		316
vr	29-1				20:16	57		20:22	67		21:34	71		21:52	71		20:21	58		21:14	70		20:44	70
za	30-1			2:15		302	02:21		312	03:25		366	03:47		396	2:38		315	03:13		347	02:51		327
za	30-1				8:43	52		08:49	62		09:58	61		10:16	61		8:46	51		09:39	63		09:09	63
za	30-1			14:46		285	14:52		295	15:55		347	16:17		377	15:10		301	15:45		333	15:23		313
za	30-1				20:50	59		20:56	69		22:07	73		22:25	73		20:55	61		21:48	73		21:18	73
zo	31-1			2:52		298	02:58		308	04:00		362	04:22		392	3:15		310	03:50		342	03:28		322
zo	31-1				9:17	57		09:23	67		10:32	67		10:50	67		9:22	57		10:15	69		09:45	69
zo	31-1			15:29		280	15:35		290	16:36		342	16:58		372	15:51		294	16:26		326	16:04		306
zo	31-1				21:29	65		21:35	75		22:43	80		23:01	80		21:35	69		22:28	81		21:58	81

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maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N,7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
ma	1-2	4:28	LK	3:35		288	03:41		298	04:40		353	05:02		383	3:57		299	04:32		331	04:10		311
ma	1-2				9:56	68		10:02	78		11:09	80		11:27	80		10:01	70		10:54	82		10:24	82
ma	1-2			16:18		273	16:24		283	17:20		335	17:42		365	16:36		285	17:11		317	16:49		297
ma	1-2				22:15	76		22:21	86		23:24	91		23:42	91		22:22	80		23:15	92		22:45	92
di	2-2			4:27		277	04:33		287	05:27		342	05:49		372	4:45		286	05:20		318	04:58		298
di	2-2				10:43	81		10:49	91		11:52	95		12:10	95		10:49	84		11:42	96		11:12	96
di	2-2			17:13		269	17:19		279	18:12		331	18:34		361	17:27		279	18:02		311	17:40		291
di	2-2				23:10	87		23:16	97								23:17	91			103		23:40	103
wo	3-2			5:27		269	05:33		279		00:13	104		00:31	104	5:41		276		00:10	103	05:54		288
wo	3-2				11:40	90		11:46	100	06:27		335	06:49		365		11:47	94	06:16		308		12:10	106
wo	3-2			18:13		271	18:19		281		12:44	109		13:02	109	18:24		278		12:40	106	18:37		290
wo	3-2									19:11		334	19:33		364				18:59		310			
do	4-2				0:16	92		00:22	102		01:14	113		01:32	113		0:20	95		01:13	107		0:43	107
do	4-2			6:31		268	06:37		278	07:34		335	07:56		365	6:44		273	07:19		305	06:57		285
do	4-2				12:48	91		12:54	101		13:49	113		14:07	113		12:49	94		13:42	106		13:12	106
do	4-2			19:17		280	19:23		290	20:15		345	20:37		375	19:29		286	20:04		318	19:42		298
vr	5-2				1:29	86		01:35	96		02:31	109		02:49	109		1:28	89		02:21	101		01:51	101
vr	5-2			7:39		274	07:45		284	08:40		342	09:02		372	7:52		279	08:27		311	08:05		291
vr	5-2				13:59	79		14:05	89		15:10	100		15:28	100		13:56	83		14:49	95		14:19	95
vr	5-2			20:23		293	20:29		303	21:24		359	21:46		389	20:37		300	21:12		332	20:50		312
za	6-2				2:41	71		02:47	81		03:54	89		04:12	89		2:45	73		03:38	85		03:08	85
za	6-2			8:50		283	08:56		293	09:49		351	10:11		381	9:05		289	09:40		321	09:18		301
za	6-2				15:07	62		15:13	72		16:21	76		16:39	76		15:10	65		16:03	77		15:33	77
za	6-2			21:28		306	21:34		316	22:34		374	22:56		404	21:41		314	22:16		346	21:54		326
zo	7-2				3:49	52		03:55	62		04:58	64		05:16	64		3:56	52		04:49	64		04:19	64
zo	7-2			9:57		290	10:03		300	11:01		358	11:23		388	10:11		299	10:46		331	10:24		311
zo	7-2				16:09	45		16:15	55		17:19	54		17:37	54		16:16	46		17:09	58		16:39	58
zo	7-2			22:24		312	22:30		322	23:34		381	23:56		411	22:36		323	23:11		355	22:49		335
ma	8-2				4:47	34		04:53	44		05:53	42		06:11	42		4:51	32		05:44	44		05:14	44
ma	8-2			10:54		291	11:00		301	12:04		360	12:26		390	11:05		304	11:40		336	11:18		316
ma	8-2	15:39	NM		17:04	33		17:10	43		18:10	39		18:28	39		17:09	31		18:02	43		17:32	43
ma	8-2			23:12		311	23:18		321			380			410	23:24		325	23:59		357	23:37		337
di	9-2				5:38	21		05:44	31	00:25		380	00:47		410		5:40	17		06:33	29		06:03	29
di	9-2			11:42		287	11:48		297		06:42	27		07:00	27	11:53		302	12:28		334	12:06		314
di	9-2				17:52	24		17:58	34	12:56		354	13:18		384		17:56	20		18:49	32		18:19	32
di	9-2										18:57	29		19:15	29									

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"E			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	10-2			23:54		309	0:00		319	01:07		375	01:29		405	0:07		324	0:42		356	0:20		336
wo	10-2				6:24	11		06:30	21		07:27	15		07:45	15		6:26	7		07:19	19		06:49	19
wo	10-2			12:24		283	12:30		293	13:39		347	14:01		377	12:37		299	13:12		331	12:50		311
wo	10-2				18:35	16		18:41	26		19:40	20		19:58	20		18:38	12		19:31	24		19:01	24
do	11-2			0:31		309	0:37		319	01:42		375	02:04		405	0:48		325	01:23		357	01:01		337
do	11-2				7:07	4		07:13	14		08:10	6		08:28	6		7:08	1		08:01	13		07:31	13
do	11-2			13:02		281	13:08		291	14:13		344	14:35		374	13:18		297	13:53		329	13:31		309
do	11-2				19:15	8		19:21	18		20:22	11		20:40	11		19:18	5		20:11	17		19:41	17
vr	12-2			1:10		313	01:16		323	02:17		380	02:39		410	1:28		328	02:03		360	01:41		340
vr	12-2				7:47	0		07:53	10		08:52	1		09:10	1		7:48	-3		08:41	9		08:11	9
vr	12-2			13:40		282	13:46		292	14:47		347	15:09		377	13:59		297	14:34		329	14:12		309
vr	12-2				19:55	1		20:01	11		21:03	5		21:21	5		19:57	-1		20:50	11		20:20	11
za	13-2			1:52		316	01:58		326	02:58		386	03:20		416	2:11		331	02:46		363	02:24		343
za	13-2				8:27	1		08:33	11		09:33	3		09:51	3		8:27	-1		09:20	11		08:50	11
za	13-2			14:22		282	14:28		292	15:27		349	15:49		379	14:42		296	15:17		328	14:55		308
za	13-2				20:34	0		20:40	10		21:44	6		22:02	6		20:37	-2		21:30	10		21:00	10
zo	14-2			2:38		313	02:44		323	03:46		384	04:08		414	2:55		327	03:30		359	03:08		339
zo	14-2				9:06	9		09:12	19		10:14	15		10:32	15		9:06	7		09:59	19		09:29	19
zo	14-2			15:09		277	15:15		287	16:14		345	16:36		375	15:27		289	16:02		321	15:40		301
zo	14-2				21:16	7		21:22	17		22:26	17		22:44	17		21:18	6		22:11	18		21:41	18
ma	15-2			3:28		301	03:34		311	04:37		370	04:59		400	3:43		313	04:18		345	03:56		325
ma	15-2	8:46 EK			9:47	23		09:53	33		10:57	35		11:15	35		9:48	22		10:41	34		10:11	34
ma	15-2			15:59		266	16:05		276	17:04		332	17:26		362	16:16		277	16:51		309	16:29		289
ma	15-2				22:01	20		22:07	30		23:11	37		23:29	37		22:04	21		22:57	33		22:27	33
di	16-2			4:23		282	04:29		292	05:33		348	05:55		378	4:38		291	05:13		323	04:51		303
di	16-2				10:33	41		10:39	51		11:46	58		12:04	58		10:39	42		11:32	54		11:02	54
di	16-2			16:55		254	17:01		264	18:00		317	18:22		347	17:14		261	17:49		293	17:27		273
di	16-2				22:58	37		23:04	47			60			60		23:05	39		23:58	51		23:28	51
wo	17-2			5:28		263	05:34		273		00:10	60		00:28	60		5:46	270	06:21		302	05:59		282
wo	17-2				11:50	55		11:56	65	06:37		326	06:59		356		12:02	57		12:55	69		12:25	69
wo	17-2			18:02		245	18:08		255		12:56	76		13:14	76		18:24	251	18:59		283	18:37		263
wo	17-2									19:08		305	19:30		335									
do	18-2				0:28	46		00:34	56		01:32	70		01:50	70		0:39	47		01:32	59		01:02	59
do	18-2			6:45		253	06:51		263	07:57		315	08:19		345	7:06		259	07:41		291	07:19		271
do	18-2				13:14	56		13:20	66		14:13	77		14:31	77		13:20	58		14:13	70		13:43	70
do	18-2			19:22		247	19:28		257	20:36		309	20:58		339	19:44		254	20:19		286	19:57		266

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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				1:46	41		01:52	51		02:49	63		03:07	63		1:55	42		02:48	54		02:18	54
vr	19-2			8:10		257	08:16		267	09:13		322	09:35		352	8:28		265	09:03		297	08:41		277
vr	19-2				14:28	46		14:34	56		15:30	64		15:48	64		14:36	48		15:29	60		14:59	60
vr	19-2			20:40		263	20:46		273	21:43		328	22:05		358	20:56		271	21:31		303	21:09		283
za	20-2				3:11	28		03:17	38		04:14	43		04:32	43		3:18	29		04:11	41		03:41	41
za	20-2			9:17		272	09:23		282	10:17		337	10:39		367	9:34		282	10:09		314	09:47		294
za	20-2				15:43	32		15:49	42		16:44	41		17:02	41		15:48	33		16:41	45		16:11	45
za	20-2			21:38		282	21:44		292	22:41		349	23:03		379	21:54		292	22:29		324	22:07		304
zo	21-2				4:17	14		04:23	24		05:18	19		05:36	19		4:20	14		05:13	26		04:43	26
zo	21-2			10:12		285	10:18		295	11:18		351	11:40		381	10:29		299	11:04		331	10:42		311
zo	21-2				16:39	21		16:45	31		17:40	25		17:58	25		16:42	21		17:35	33		17:05	33
zo	21-2			22:28		295	22:34		305	23:33		363	23:55		393	22:44		308	23:19		340	22:57		320
ma	22-2				5:07	9		05:13	19		06:09	11		06:27	11		5:08	9		06:01	21		05:31	21
ma	22-2			11:01		291	11:07		301	12:16		356	12:38		386	11:16		307	11:51		339	11:29		319
ma	22-2	19:20 VM			17:24	22		17:30	32		18:27	26		18:45	26		17:26	19		18:19	31		17:49	31
ma	22-2			23:11		299	23:17		309							23:28		313				23:41		325
di	23-2				5:49	17		05:55	27	00:18		366	00:40		396		5:50	15	0:03		345		06:13	27
di	23-2			11:41		289	11:47		299		06:52	21		07:10	21	11:56		307		06:43	27	12:09		319
di	23-2				18:03	31		18:09	41	13:01		352	13:23		382		18:05	26	12:31		339		18:28	38
di	23-2			23:45		298	23:51		308		19:07	38		19:25	38					18:58	38			
wo	24-2				6:24	29		06:30	39	00:50		363	01:12		393	0:05		312	0:40		344	0:18		324
wo	24-2			12:11		286	12:17		296		07:29	38		07:47	38		6:25	25		07:18	37		06:48	37
wo	24-2				18:34	40		18:40	50	13:18		347	13:40		377	12:29		304	13:04		336	12:42		316
wo	24-2										19:41	51		19:59	51		18:37	35		19:30	47		19:00	47
do	25-2			0:14		297	0:20		307	01:18		361	01:40		391	0:36		311	01:11		343	0:49		323
do	25-2				6:53	36		06:59	46		08:01	48		08:19	48		6:55	33		07:48	45		07:18	45
do	25-2			12:36		288	12:42		298	13:39		350	14:01		380	12:58		305	13:33		337	13:11		317
do	25-2				18:59	41		19:05	51		20:10	53		20:28	53		19:03	38		19:56	50		19:26	50
vr	26-2			0:43		300	0:49		310	01:48		365	02:10		395	1:05		313	01:40		345	01:18		325
vr	26-2				7:18	36		07:24	46		08:29	45		08:47	45		7:21	33		08:14	45		07:44	45
vr	26-2			13:04		293	13:10		303	14:10		358	14:32		388	13:28		309	14:03		341	13:41		321
vr	26-2				19:22	37		19:28	47		20:38	46		20:56	46		19:28	36		20:21	48		19:51	48
za	27-2			1:15		303	01:21		313	02:21		370	02:43		400	1:37		316	02:12		348	01:50		328
za	27-2				7:44	33		07:50	43		08:58	39		09:16	39		7:47	31		08:40	43		08:10	43
za	27-2			13:38		297	13:44		307	14:46		363	15:08		393	14:02		312	14:37		344	14:15		324
za	27-2				19:52	35		19:58	45		21:08	43		21:26	43		19:57	35		20:50	47		20:20	47

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	28-2			1:49		303	01:55		313	02:57		371	03:19		401	2:11		315	02:46		347	02:24		327
zo	28-2				8:13	36		08:19	46		09:28	41		09:46	41		8:17	35		09:10	47		08:40	47
zo	28-2			14:14		295	14:20		305	15:23		362	15:45		392	14:38		309	15:13		341	14:51		321
zo	28-2				20:23	40		20:29	50		21:40	49		21:58	49		20:30	41		21:23	53		20:53	53
ma	29-2			2:23		297	02:29		307	03:32		365	03:54		395	2:46		308	03:21		340	02:59		320
ma	29-2				8:41	47		08:47	57		09:58	55		10:16	55		8:46	47		09:39	59		09:09	59
ma	29-2			14:49		289	14:55		299	15:58		354	16:20		384	15:13		302	15:48		334	15:26		314
ma	29-2				20:56	51		21:02	61		22:12	62		22:30	62		21:03	54		21:56	66		21:26	66

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0			53°37'27"N 6°54'21"E			53°32'57"N,7°02'09"E			53°40'21"N 6°59'45"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	1-3			3:00		288	03:06		298	04:07		354	04:29		384	3:22		298	03:57		330	03:35		310
di	1-3				9:09	62		09:15	72		10:30	72		10:48	72		9:15	64		10:08	76		09:38	76
di	1-3			15:26		282	15:32		292	16:29		347	16:51		377	15:49		293	16:24		325	16:02		305
di	1-3				21:32	65		21:38	75		22:47	76		23:05	76		21:39	69		22:32	81		22:02	81
wo	2-3	0:11	LK	3:43		278	03:49		288	04:44		345	05:06		375	4:03		287	04:38		319	04:16		299
wo	2-3				9:47	76		09:53	86		11:08	88		11:26	88		9:49	80		10:42	92		10:12	92
wo	2-3			16:12		279	16:18		289	17:07		345	17:29		375	16:30		288	17:05		320	16:43		300
wo	2-3				22:22	78		22:28	88		23:31	88		23:49	88		22:27	82		23:20	94		22:50	94
do	3-3			4:36		272	04:42		282	05:33		340	05:55		370	4:53		280	05:28		312	05:06		292
do	3-3				10:43	87		10:49	97		11:55	100		12:13	100		10:46	91		11:39	103		11:09	103
do	3-3			17:10		280	17:16		290	18:01		346	18:23		376	17:23		288	17:58		320	17:36		300
do	3-3				23:26	85		23:32	95								23:30	88					23:53	100
vr	4-3			5:40		271	05:46		281		00:26	97		00:44	97	5:52		278		00:23	100	06:05		290
vr	4-3				11:53	90		11:59	100	06:38		340	07:00		370		11:56	92	06:27		310		12:19	104
vr	4-3			18:19		285	18:25		295		12:55	106		13:13	106	18:26		292		12:49	104	18:39		304
vr	4-3									19:16		351	19:38		381				19:01		324			
za	5-3				0:39	82		00:45	92		01:35	100		01:53	100		0:40	83		01:33	95		01:03	95
za	5-3			6:52		275	06:58		285	07:58		345	08:20		375	7:00		281	07:35		313	07:13		293
za	5-3				13:09	80		13:15	90		14:11	100		14:29	100		13:08	81		14:01	93		13:31	93
za	5-3			19:38		294	19:44		304	20:43		361	21:05		391	19:43		300	20:18		332	19:56		312
zo	6-3				1:58	66		02:04	76		03:03	86		03:21	86		1:58	67		02:51	79		02:21	79
zo	6-3			8:17		281	08:23		291	09:18		353	09:40		383	8:24		288	08:59		320	08:37		300
zo	6-3				14:26	62		14:32	72		15:39	78		15:57	78		14:27	63		15:20	75		14:50	75
zo	6-3			20:57		304	21:03		314	22:03		373	22:25		403	21:07		312	21:42		344	21:20		324
ma	7-3				3:15	44		03:21	54		04:24	57		04:42	57		3:23	43		04:16	55		03:46	55
ma	7-3			9:35		288	09:41		298	10:40		360	11:02		390	9:45		297	10:20		329	09:58		309
ma	7-3				15:38	43		15:44	53		16:48	52		17:06	52		15:48	41		16:41	53		16:11	53
ma	7-3			21:59		309	22:05		319	23:09		380	23:31		410	22:10		320	22:45		352	22:23		332
di	8-3				4:21	25		04:27	35		05:26	33		05:44	33		4:26	20		05:19	32		04:49	32
di	8-3			10:34		289	10:40		299	11:45		361	12:07		391	10:44		302	11:19		334	10:57		314
di	8-3				16:39	28		16:45	38		17:45	34		18:03	34		16:46	22		17:39	34		17:09	34
di	8-3			22:49		308	22:55		318							23:01		323	23:36		355	23:14		335
wo	9-3	2:55	NM		5:15	11		05:21	21	00:02		379	00:24		409		5:18	5		06:11	17		05:41	17
wo	9-3			11:23		285	11:29		295		06:18	17		06:36	17	11:33		301	12:08		333	11:46		313
wo	9-3				17:30	17		17:36	27	12:37		355	12:59		385		17:35	10		18:28	22		17:58	22
wo	9-3			23:32		306	23:38		316		18:35	22		18:53	22									

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	10-3				6:02	1		06:08	11	00:45		375	01:07		405	0:11		323	0:22		355	0:24		335
do	10-3			12:03		282	12:09		292		07:05	5		07:23	5		6:05	-5		06:58	7		06:28	7
do	10-3				18:15	5		18:21	15	13:19		349	13:41		379	12:17		300	12:52		332	12:30		312
do	10-3										19:21	9		19:39	9		18:19	-1		19:12	11		18:42	11
vr	11-3			0:10		309	0:16		319	01:23		376	01:45		406	0:29		326	01:04		358	0:42		338
vr	11-3				6:46	-6		06:52	4		07:50	0		08:08	0		6:48	-11		07:41	1		07:11	1
vr	11-3			12:40		284	12:46		294	13:53		349	14:15		379	12:58		301	13:33		333	13:11		313
vr	11-3				18:58	-7		19:04	3		20:04	-4		20:22	-4		19:01	-11		19:54	1		19:24	1
za	12-3			0:51		315	0:57		325	02:00		382	02:22		412	1:11		331	01:46		363	01:24		343
za	12-3				7:28	-10		07:34	0		08:32	-10		08:50	-10		7:29	-12		08:22	0		07:52	0
za	12-3			13:18		289	13:24		299	14:26		356	14:48		386	13:40		304	14:15		336	13:53		316
za	12-3				19:39	-15		19:45	-5		20:47	-14		21:05	-14		19:41	-18		20:34	-6		20:04	-6
zo	13-3			1:36		317	01:42		327	02:42		386	03:04		416	1:55		332	02:30		364	02:08		344
zo	13-3				8:09	-8		08:15	2		09:14	0		09:32	0		8:08	-11		09:01	1		08:31	1
zo	13-3			14:01		290	14:07		300	15:05		360	15:27		390	14:22		304	14:57		336	14:35		316
zo	13-3				20:20	-15		20:26	-5		21:29	-12		21:47	-12		20:20	-17		21:13	-5		20:43	-5
ma	14-3			2:23		310	02:29		320	03:29		380	03:51		410	2:40		323	03:15		355	02:53		335
ma	14-3				8:47	4		08:53	14		09:55	8		10:13	8		8:45	1		09:38	13		09:08	13
ma	14-3			14:46		284	14:52		294	15:50		356	16:12		386	15:06		296	15:41		328	15:19		308
ma	14-3				21:01	-4		21:07	6		22:12	3		22:30	3		21:00	-7		21:53	5		21:23	5
di	15-3			3:13		292	03:19		302	04:18		362	04:40		392	3:29		304	04:04		336	03:42		316
di	15-3				9:24	22		09:30	32		10:36	33		10:54	33		9:23	19		10:16	31		09:46	31
di	15-3	18:03	EK	15:34		272	15:40		282	16:36		343	16:58		373	15:53		281	16:28		313	16:06		293
di	15-3				21:44	13		21:50	23		22:56	28		23:14	28		21:43	12		22:36	24		22:06	24
wo	16-3			4:07		271	04:13		281	05:12		338	05:34		368	4:22		279	04:57		311	04:35		291
wo	16-3				10:05	42		10:11	52		11:19	60		11:37	60		10:05	42		10:58	54		10:28	54
wo	16-3			16:29		258	16:35		268	17:27		326	17:49		356	16:47		264	17:22		296	17:00		276
wo	16-3				22:41	33		22:47	43		23:52	53			53		22:45	33		23:38	45		23:08	45
do	17-3			5:09		253	05:15		263	06:13		317		00:10	53	5:27		259	06:02		291	05:40		271
do	17-3				11:20	60		11:26	70		12:23	83	06:35		347		11:33	61		12:26	73		11:56	73
do	17-3			17:32		250	17:38		260	18:30		315		12:41	83	17:54		254	18:29		286	18:07		266
do	17-3												18:52		345									
vr	18-3				0:10	43		00:16	53		01:09	68		01:27	68		0:17	44		01:10	56		0:40	56
vr	18-3			6:24		246	06:30		256	07:31		310	07:53		340	6:42		252	07:17		284	06:55		264
vr	18-3				12:49	63		12:55	73		13:45	89		14:03	89		12:54	63		13:47	75		13:17	75
vr	18-3			18:52		253	18:58		263	20:03		317	20:25		347	19:14		259	19:49		291	19:27		271

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	19-3				1:25	40		01:31	50		02:25	64		02:43	64		1:31	41		02:24	53		01:54	53
za	19-3			7:51		255	07:57		265	08:53		322	09:15		352	8:05		262	08:40		294	08:18		274
za	19-3				14:03	53		14:09	63		15:03	75		15:21	75		14:09	54		15:02	66		14:32	66
za	19-3			20:17		271	20:23		281	21:19		338	21:41		368	20:31		278	21:06		310	20:44		290
zo	20-3				2:47	30		02:53	40		03:49	46		04:07	46		2:54	30		03:47	42		03:17	42
zo	20-3			9:01		275	09:07		285	10:01		343	10:23		373	9:14		284	09:49		316	09:27		296
zo	20-3				15:19	37		15:25	47		16:19	50		16:37	50		15:25	37		16:18	49		15:48	49
zo	20-3			21:19		291	21:25		301	22:21		361	22:43		391	21:32		301	22:07		333	21:45		313
ma	21-3				3:54	17		04:00	27		04:54	23		05:12	23		3:57	16		04:50	28		04:20	28
ma	21-3			9:57		289	10:03		299	11:06		358	11:28		388	10:09		302	10:44		334	10:22		314
ma	21-3				16:16	26		16:22	36		17:16	32		17:34	32		16:19	24		17:12	36		16:42	36
ma	21-3			22:09		301	22:15		311	23:17		372	23:39		402	22:24		313	22:59		345	22:37		325
di	22-3				4:43	14		04:49	24		05:45	16		06:03	16		4:45	12		05:38	24		05:08	24
di	22-3			10:44		292	10:50		302	12:05		361	12:27		391	10:56		308	11:31		340	11:09		320
di	22-3				17:02	25		17:08	35		18:03	30		18:21	30		17:04	21		17:57	33		17:27	33
di	22-3			22:50		299	22:56		309							23:07		314	23:42		346	23:20		326
wo	23-3				5:23	21		05:29	31	00:01		368	00:23		398		5:25	18		06:18	30		05:48	30
wo	23-3	13:01	VM	11:19		288	11:25		298		06:27	25		06:45	25	11:33		305	12:08		337	11:46		317
wo	23-3				17:39	31		17:45	41	12:43		352	13:05		382		17:41	26		18:34	38		18:04	38
wo	23-3			23:19		294	23:25		304		18:42	40		19:00	40	23:41		308				23:54		320
do	24-3				5:56	29		06:02	39	00:24		359	00:46		389		5:59	25	0:16		340		06:22	37
do	24-3			11:41		285	11:47		295		07:02	38		07:20	38	12:02		302		06:52	37	12:15		314
do	24-3				18:08	35		18:14	45	12:44		347	13:06		377		18:12	30	12:37		334		18:35	42
do	24-3			23:45		293	23:51		303		19:14	46		19:32	46					19:05	42			
vr	25-3				6:24	29		06:30	39	00:46		358	01:08		388	0:09		305	0:44		337	0:22		317
vr	25-3			12:04		291	12:10		301		07:32	41		07:50	41		6:26	26		07:19	38		06:49	38
vr	25-3				18:32	30		18:38	40	13:06		356	13:28		386	12:29		306	13:04		338	12:42		318
vr	25-3										19:43	39		20:01	39		18:37	28		19:30	40		19:00	40
za	26-3			0:15		298	0:21		308	01:17		366	01:39		396	0:38		309	01:13		341	0:51		321
za	26-3				6:49	23		06:55	33		08:00	32		08:18	32		6:52	22		07:45	34		07:15	34
za	26-3			12:36		301	12:42		311	13:41		371	14:03		401	13:00		315	13:35		347	13:13		327
za	26-3				18:59	23		19:05	33		20:12	29		20:30	29		19:04	22		19:57	34		19:27	34
zo	27-3			0:51		303	0:57		313	01:55		374	03:17		404	1:12		314	01:47		346	01:25		326
zo	27-3				8:18	20		08:24	30		09:29	20		09:47	20		8:21	18		09:14	30		08:44	30
zo	27-3			14:13		307	14:19		317	15:20		379	15:42		409	14:35		321	15:10		353	14:48		333
zo	27-3				20:30	23		20:36	33		21:44	28		22:02	28		20:35	23		21:28	35		20:58	35

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
ma	28-3			2:28		303	02:34		313	03:34		374	03:56		404	2:47		314	03:22		346	03:00		326
ma	28-3				8:47	30		08:53	40		09:59	30		10:17	30		8:51	28		09:44	40		09:14	40
ma	28-3			14:50		305	14:56		315	15:59		377	16:21		407	15:11		318	15:46		350	15:24		330
ma	28-3				21:02	34		21:08	44		22:16	41		22:34	41		21:08	34		22:01	46		21:31	46
di	29-3			3:03		295	03:09		305	04:12		365	04:34		395	3:22		307	03:57		339	03:35		319
di	29-3				9:13	40		09:19	50		10:29	50		10:47	50		9:19	38		10:12	50		09:42	50
di	29-3			15:23		297	15:29		307	16:33		367	16:55		397	15:43		311	16:18		343	15:56		323
di	29-3				21:32	51		21:38	61		22:47	60		23:05	60		21:39	51		22:32	63		22:02	63
wo	30-3			3:36		285	03:42		295	04:46		352	05:08		382	3:56		296	04:31		328	04:09		308
wo	30-3				9:37	60		09:43	70		11:00	70		11:18	70		9:43	58		10:36	70		10:06	70
wo	30-3			15:54		292	16:00		302	17:04		360	17:26		390	16:14		304	16:49		336	16:27		316
wo	30-3				22:04	65		22:10	75		23:21	74		23:39	74		22:11	66		23:04	78		22:34	78
do	31-3			4:15		277	04:21		287	05:21		344	05:43		374	4:35		288	05:10		320	04:48		300
do	31-3				10:11	70		10:17	80		11:35	80		11:53	80		10:12	78		11:05	90		10:35	90
do	31-3	17:17	LK	16:36		291	16:42		301	17:40		359	18:02		389	16:54		302	17:29		334	17:07		314
do	31-3				22:50	73		22:56	83			80			80		22:55	75		23:48	87		23:18	87

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	1-4			5:07		274	05:13		284		00:02	80		00:20	80	5:23		284	05:58		316	05:36		296
vr	1-4				11:06	80		11:12	90	06:06		341	06:28		371		11:07	78		12:00	90		11:30	90
vr	1-4			17:32		292	17:38		302		12:22	89		12:40	89	17:46		303	18:21		335	17:59		315
vr	1-4									18:29		361	18:51		391									
za	2-4				23:54	70		0:00	80		00:56	80		01:14	80		23:58	68		00:51	80		0:21	80
za	2-4			6:09		274	06:15		284	07:06		342	07:28		372	6:21		284	06:56		316	06:34		296
za	2-4				12:18	82		12:24	92		13:21	92		13:39	92		12:21	84		13:14	96		12:44	96
za	2-4			18:39		295	18:45		305	19:36		363	19:58		393	18:48		305	19:23		337	19:01		317
zo	3-4				1:06	60		01:12	70		02:01	80		02:19	80		1:07	68		02:00	80		01:30	80
zo	3-4			7:21		276	07:27		286	08:30		346	08:52		376	7:28		285	08:03		317	07:41		297
zo	3-4				13:33	73		13:39	83		14:32	90		14:50	90		13:34	73		14:27	85		13:57	85
zo	3-4			19:56		299	20:02		309	21:07		367	21:29		397	20:00		308	20:35		340	20:13		320
ma	4-4				2:24	50		02:30	60		03:24	70		03:42	70		2:24	48		03:17	60		02:47	60
ma	4-4			8:49		281	08:55		291	09:54		353	10:16		383	8:52		290	09:27		322	09:05		302
ma	4-4				14:51	57		14:57	67		15:59	75		16:17	75		14:53	56		15:46	68		15:16	68
ma	4-4			21:23		305	21:29		315	22:31		376	22:53		406	21:29		315	22:04		347	21:42		327
di	5-4				3:42	30		03:48	40		04:49	40		05:07	40		3:49	28		04:42	40		04:12	40
di	5-4			10:10		288	10:16		298	11:15		361	11:37		391	10:17		298	10:52		330	10:30		310
di	5-4				16:05	40		16:11	50		17:15	52		17:33	52		16:16	37		17:09	49		16:39	49
di	5-4			22:30		309	22:36		319	23:39		382			412	22:40		322	23:15		354	22:53		334
wo	6-4				4:50	10		04:56	20		05:55	20	00:01		412		4:57	8		05:50	20		05:20	20
wo	6-4			11:10		289	11:16		299	12:20		363		06:13	20	11:18		303	11:53		335	11:31		315
wo	6-4				17:10	27		17:16	37		18:17	35	12:42		393		17:19	20		18:12	32		17:42	32
wo	6-4			23:22		308	23:28		318					18:35	35	23:35		324			356	23:48		336
do	7-4				5:48	0		05:54	10	00:33		380	00:55		410		5:52	-2	0:10		356		06:15	10
do	7-4	13:24	NM	11:58		287	12:04		297		06:52	10		07:10	10	12:09		304		06:45	10	12:22		316
do	7-4				18:05	15		18:11	25	13:11		358	13:33		388		18:11	7	12:44		336		18:34	19
do	7-4									19:10		22		19:28	22					19:04	19			
vr	8-4			0:06		308	0:12		318	01:19		377	01:41		407	0:23		325	0:58		357	0:36		337
vr	8-4				6:38	-10		06:44	0		07:41	0		07:59	0		6:41	-12		07:34	0		07:04	0
vr	8-4			12:38		286	12:44		296	13:53		355	14:15		385	12:53		304	13:28		336	13:06		316
vr	8-4				18:53	2		18:59	12		19:59	8		20:17	8		18:58	-5		19:51	7		19:21	7
za	9-4			0:48		311	0:54		321	02:00		378	02:22		408	1:08		328	01:43		360	01:21		340
za	9-4				7:24	-10		07:30	0		08:27	0		08:45	0		7:26	-12		08:19	0		07:49	0
za	9-4			13:16		291	13:22		301	14:29		358	14:51		388	13:36		308	14:11		340	13:49		320
za	9-4				19:39	-10		19:45	0		20:45	0		21:03	0		19:41	-12		20:34	0		20:04	0

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"E			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	10-4			1:33		315	01:39		325	02:42		382	03:04		412	1:52		331	02:27		363	02:05		343
zo	10-4				8:07	-10		08:13	0		09:11	0		09:29	0		8:07	-12		09:00	0		08:30	0
zo	10-4			13:57		297	14:03		307	15:04		366	15:26		396	14:18		312	14:53		344	14:31		324
zo	10-4				20:23	-20		20:29	-10		21:30	-10		21:48	-10		20:23	-22		21:16	-10		20:46	-10
ma	11-4			2:20		313	02:26		323	03:26		381	03:48		411	2:38		328	03:13		360	02:51		340
ma	11-4				8:49	-10		08:55	0		09:54	0		10:12	0		8:47	-12		09:40	0		09:10	0
ma	11-4			14:40		298	14:46		308	15:45		370	16:07		400	15:01		312	15:36		344	15:14		324
ma	11-4				21:05	-10		21:11	0		22:14	-10		22:32	-10		21:04	-12		21:57	0		21:27	0
di	12-4			3:08		302	03:14		312	04:13		371	04:35		401	3:24		316	03:59		348	03:37		328
di	12-4				9:28	0		09:34	10		10:35	10		10:53	10		9:25	-2		10:18	10		09:48	10
di	12-4			15:26		292	15:32		302	16:28		365	16:50		395	15:45		304	16:20		336	15:58		316
di	12-4				21:47	-5		21:53	5		22:58	3		23:16	3		21:45	-8		22:38	4		22:08	4
wo	13-4			3:57		283	04:03		293	05:01		351	05:23		381	4:13		296	04:48		328	04:26		308
wo	13-4				10:04	20		10:10	30		11:15	30		11:33	30		9:59	18		10:52	30		10:22	30
wo	13-4			16:12		280	16:18		290	17:13		353	17:35		383	16:31		290	17:06		322	16:44		302
wo	13-4				22:31	15		22:37	25		23:42	30					22:28	13		23:21	25		22:51	25
do	14-4	5:59 EK		4:50		264	04:56		274	05:52		330		00:00	30	5:05		275	05:40		307	05:18		287
do	14-4				10:40	40		10:46	50		11:54	60	06:14		360		10:36	38		11:29	50		10:59	50
do	14-4			17:04		269	17:10		279	18:02		341		12:12	67	17:22		276	17:57		308	17:35		288
do	14-4				23:30	35		23:36	45			50	18:24		371		23:32	34					23:55	46
vr	15-4			5:49		251	05:55		261		00:35	50		00:53	50	6:04		260		00:25	40	06:17		272
vr	15-4				11:46	60		11:52	70	06:50		316	07:12		346		11:57	58	06:39		292		12:20	70
vr	15-4			18:05		264	18:11		274		12:51	90		13:09	90	18:24		270		12:50	76	18:37		282
vr	15-4									19:02		333	19:24		363				18:59		302			
za	16-4				0:46	40		00:52	50		01:42	70		02:00	70		0:50	38		01:43	50		01:13	50
za	16-4			6:57		249	07:03		259	08:04		315	08:26		345	7:11		257	07:46		289	07:24		269
za	16-4				13:17	69		13:23	79		14:11	98		14:29	98		13:20	68		14:13	80		13:43	80
za	16-4			19:18		268	19:24		278	20:26		336	20:48		366	19:37		275	20:12		307	19:50		287
zo	17-4				1:55	40		02:01	50		02:53	60		03:11	60		1:57	38		02:50	50		02:20	50
zo	17-4			8:20		261	08:26		271	09:24		330	09:46		360	8:28		268	09:03		300	08:41		280
zo	17-4				14:27	61		14:33	71		15:26	86		15:44	86		14:30	61		15:23	73		14:53	73
zo	17-4			20:43		283	20:49		293	21:48		355	22:10		385	20:54		291	21:29		323	21:07		303
ma	18-4				3:06	30		03:12	40		04:09	50		04:27	50		3:10	28		04:03	40		03:33	40
ma	18-4			9:32		279	09:38		289	10:33		350	10:55		380	9:42		287	10:17		319	09:55		299
ma	18-4				15:41	47		15:47	57		16:42	65		17:00	65		15:47	47		16:40	59		16:10	59
ma	18-4			21:50		298	21:56		308	22:52		373	23:14		403	22:00		308	22:35		340	22:13		320

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
di	19-4				4:19	20		04:25	30		05:19	30		05:37	30		4:23	18		05:16	30		04:46	30
di	19-4			10:30		291	10:36		301	11:37		363	11:59		393	10:40		302	11:15		334	10:53		314
di	19-4				16:44	35		16:50	45		17:43	45		18:01	45		16:48	33		17:41	45		17:11	45
di	19-4			22:41		302	22:47		312	23:48		377				22:54		314	23:29		346	23:07		326
wo	20-4				5:11	20		05:17	30		06:12	20	00:10		407		5:14	18		06:07	30		05:37	30
wo	20-4			11:16		291	11:22		301	12:32		362		06:30	20	11:27		306	12:02		338	11:40		318
wo	20-4				17:31	31		17:37	41		18:32	39	12:54		392		17:35	28		18:28	40		17:58	40
wo	20-4			23:21		296	23:27		306			366		18:50	39	23:38		310			342	23:51		322
do	21-4				5:51	20		05:57	30	00:30		366	00:52		396		5:54	18	0:13		342		06:17	30
do	21-4			11:47		286	11:53		296		06:54	20		07:12	20	12:03		302		06:47	30	12:16		314
do	21-4				18:09	32		18:15	42	13:04		352	13:26		382		18:12	28	12:38		334		18:35	40
do	21-4			23:49		288	23:55		298		19:11	41		19:29	41					19:05	40			
vr	22-4	7:24 VM			6:23	20		06:29	30	00:52		355	01:14		385	0:12		301	0:47		333	0:25		313
vr	22-4			12:07		286	12:13		296		07:30	30		07:48	30		6:27	18		07:20	30		06:50	30
vr	22-4				18:39	31		18:45	41	13:11		351	13:33		381	12:31		302	13:06		334	12:44		314
vr	22-4										19:45	41		20:03	41		18:43	28		19:36	40		19:06	40
za	23-4			0:16		289	0:22		299	01:16		356	01:38		386	0:41		300	01:16		332	0:54		312
za	23-4				6:52	20		06:58	30		08:01	30		08:19	30		6:56	18		07:49	30		07:19	30
za	23-4			12:35		297	12:41		307	13:38		365	14:00		395	13:00		310	13:35		342	13:13		322
za	23-4				19:06	23		19:12	33		20:16	32		20:34	32		19:11	22		20:04	34		19:34	34
zo	24-4			0:50		296	0:56		306	01:51		367	02:13		397	1:13		306	01:48		338	01:26		318
zo	24-4				7:22	10		07:28	20		08:31	20		08:49	20		7:25	8		08:18	20		07:48	20
zo	24-4			13:12		309	13:18		319	14:17		383	14:39		413	13:34		322	14:09		354	13:47		334
zo	24-4				19:37	18		19:43	28		20:48	22		21:06	22		19:41	17		20:34	29		20:04	29
ma	25-4			1:30		303	01:36		313	02:33		376	02:55		406	1:49		313	02:24		345	02:02		325
ma	25-4				7:54	10		08:00	20		09:03	20		09:21	20		7:57	18		08:50	30		08:20	30
ma	25-4			13:53		315	13:59		325	14:59		392	15:21		422	14:12		329	14:47		361	14:25		341
ma	25-4				20:11	22		20:17	32		21:22	25		21:40	25		20:15	21		21:08	33		20:38	33
di	26-4			2:11		302	02:17		312	03:16		376	03:38		406	2:27		314	03:02		346	02:40		326
di	26-4				8:26	30		08:32	40		09:35	30		09:53	30		8:29	28		09:22	40		08:52	40
di	26-4			14:32		313	14:38		323	15:40		390	16:02		420	14:47		327	15:22		359	15:00		339
di	26-4				20:45	36		20:51	46		21:56	41		22:14	41		20:49	35		21:42	47		21:12	47
wo	27-4			2:49		293	02:55		303	03:56		366	04:18		396	3:03		306	03:38		338	03:16		318
wo	27-4				8:53	50		08:59	60		10:06	50		10:24	50		8:58	48		09:51	60		09:21	60
wo	27-4			15:04		305	15:10		315	16:15		380	16:37		410	15:19		320	15:54		352	15:32		332
wo	27-4				21:16	52		21:22	62		22:28	61		22:46	61		21:22	51		22:15	63		21:45	63

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	1-5			5:50		274	05:56		284		00:36	60		00:54	60		23:38	58		00:31	70		0:01	70
zo	1-5				11:55	60		12:01	70	06:53		341	07:15		371	6:00		286	06:35		318	06:13		298
zo	1-5			18:12		304	18:18		314		12:56	74		13:14	74		11:59	69		12:52	81		12:22	81
zo	1-5									19:16		374	19:38		404	18:22		317	18:57		349	18:35		329
ma	2-5				0:41	40		00:47	50		01:38	50		01:56	50		0:43	48		01:36	60		01:06	60
ma	2-5			7:00		277	07:06		287	08:13		346	08:35		376	7:06		288	07:41		320	07:19		300
ma	2-5				13:05	60		13:11	70		14:03	75		14:21	75		13:07	60		14:00	72		13:30	72
ma	2-5			19:24		305	19:30		315	20:40		376	21:02		406	19:30		317	20:05		349	19:43		329
di	3-5				1:55	30		02:01	40		02:55	50		03:13	50		1:56	28		02:49	40		02:19	40
di	3-5			8:23		281	08:29		291	09:31		353	09:53		383	8:25		291	09:00		323	08:38		303
di	3-5				14:20	50		14:26	60		15:26	68		15:44	68		14:22	49		15:15	61		14:45	61
di	3-5			20:47		307	20:53		317	22:00		380	22:22		410	20:52		318	21:27		350	21:05		330
wo	4-5				3:11	20		03:17	30		04:17	30		04:35	30		3:16	18		04:09	30		03:39	30
wo	4-5			9:41		286	09:47		296	10:48		360	11:10		390	9:47		297	10:22		329	10:00		309
wo	4-5				15:33	38		15:39	48		16:42	51		17:00	51		15:43	36		16:36	48		16:06	48
wo	4-5			21:58		309	22:04		319	23:07		383	23:29		413	22:08		321	22:43		353	22:21		333
do	5-5				4:18	10		04:24	20		05:23	20		05:41	20		4:26	8		05:19	20		04:49	20
do	5-5			10:42		288	10:48		298	11:51		363	12:13		393	10:51		302	11:26		334	11:04		314
do	5-5				16:38	27		16:44	37		17:46	37		18:04	37		16:50	23		17:43	35		17:13	35
do	5-5			22:53		308	22:59		318			382			412	23:08		323	23:43		355	23:21		335
vr	6-5				5:19	0		05:25	10	00:03		382	00:25		412		5:24	-2		06:17	10		05:47	10
vr	6-5			11:30		288	11:36		298		06:22	10		06:40	10	11:43		304	12:18		336	11:56		316
vr	6-5				17:38	15		17:44	25	12:41		361	13:03		391		17:46	10		18:39	22		18:09	22
vr	6-5	21:29 NM		23:41		308	23:47		318		18:45	25		19:03	25									
za	7-5				6:13	0		06:19	10	00:51		380	01:13		410	23:59		324	0:34		356	0:12		336
za	7-5			12:13		290	12:19		300		07:16	0		07:34	0		6:16	-12		07:09	0		06:39	0
za	7-5				18:32	1		18:38	11	13:24		362	13:46		392	12:29		307	13:04		339	12:42		319
za	7-5										19:38	9		19:56	9		18:36	-3		19:29	9		18:59	9
zo	8-5			0:28		309	0:34		319	01:36		379	01:58		409	0:47		325	01:22		357	01:00		337
zo	8-5				7:01	-10		07:07	0		08:05	0		08:23	0		7:03	-12		07:56	0		07:26	0
zo	8-5			12:54		297	13:00		307	14:03		367	14:25		397	13:13		312	13:48		344	13:26		324
zo	8-5				19:21	-10		19:27	0		20:27	0		20:45	0		19:23	-12		20:16	0		19:46	0
ma	9-5			1:16		310	01:22		320	02:23		379	02:45		409	1:35		325	02:10		357	01:48		337
ma	9-5				7:47	-10		07:53	0		08:51	0		09:09	0		7:47	-12		08:40	0		08:10	0
ma	9-5			13:37		302	13:43		312	14:44		374	15:06		404	13:57		317	14:32		349	14:10		329
ma	9-5				20:08	-20		20:14	-10		21:14	-10		21:32	-10		20:09	-12		21:02	0		20:32	0

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
di	10-5			2:05		305	02:11		315	03:11		374	03:33		404	2:22		321	02:57		353	02:35		333
di	10-5				8:31	-10		08:37	0		09:36	0		09:54	0		8:29	-12		09:22	0		08:52	0
di	10-5			14:22		303	14:28		313	15:27		376	15:49		406	14:41		317	15:16		349	14:54		329
di	10-5				20:53	-10		20:59	0		22:00	-10		22:18	-10		20:52	-12		21:45	0		21:15	0
wo	11-5			2:54		294	03:00		304	03:59		361	04:21		391	3:09		309	03:44		341	03:22		321
wo	11-5				9:12	10		09:18	20		10:18	20		10:36	20		9:09	8		10:02	20		09:32	20
wo	11-5			15:07		298	15:13		308	16:10		371	16:32		401	15:26		311	16:01		343	15:39		323
wo	11-5				21:37	1		21:43	11		22:44	11		23:02	11		21:35	-1		22:28	11		21:58	11
do	12-5			3:42		278	03:48		288	04:46		345	05:08		375	3:57		293	04:32		325	04:10		305
do	12-5				9:49	30		09:55	40		10:58	40		11:16	40		9:44	28		10:37	40		10:07	40
do	12-5			15:52		289	15:58		299	16:54		363	17:16		393	16:10		301	16:45		333	16:23		313
do	12-5				22:22	23		22:28	33		23:28	37		23:46	37		22:20	20		23:13	32		22:43	32
vr	13-5			4:31		265	04:37		275	05:34		331	05:56		361	4:46		278	05:21		310	04:59		290
vr	13-5				10:24	50		10:30	60		11:37	70		11:55	70		10:19	48		11:12	60		10:42	60
vr	13-5	19:02	EK	16:40		283	16:46		293	17:41		356	18:03		386	16:57		293	17:32		325	17:10		305
vr	13-5				23:12	40		23:18	50								23:13	39			50		23:36	51
za	14-5			5:24		258	05:30		268		00:16	50		00:34	50	5:38		270		00:06	50	05:51		282
za	14-5				11:16	60		11:22	70	06:28		324	06:50		354		11:18	58	06:13		302		11:41	70
za	14-5			17:36		282	17:42		292		12:24	91		12:42	91	17:53		290		12:11	77	18:06		302
za	14-5									18:37		353	18:59		383				18:28		322			
zo	15-5				0:13	40		00:19	50		01:11	70		01:29	70		0:16	48		01:09	60		0:39	60
zo	15-5			6:24		260	06:30		270	07:31		327	07:53		357	6:36		271	07:11		303	06:49		283
zo	15-5				12:34	71		12:40	81		13:31	97		13:49	97		12:38	71		13:31	83		13:01	83
zo	15-5			18:42		285	18:48		295	19:47		357	20:09		387	18:58		294	19:33		326	19:11		306
ma	16-5				1:17	40		01:23	50		02:14	60		02:32	60		1:18	48		02:11	60		01:41	60
ma	16-5			7:32		268	07:38		278	08:42		338	09:04		368	7:39		278	08:14		310	07:52		290
ma	16-5				13:44	66		13:50	76		14:41	91		14:59	91		13:45	66		14:38	78		14:08	78
ma	16-5			19:55		292	20:01		302	21:04		366	21:26		396	20:06		301	20:41		333	20:19		313
di	17-5				2:20	40		02:26	50		03:20	50		03:38	50		2:20	38		03:13	50		02:43	50
di	17-5			8:46		279	08:52		289	09:51		351	10:13		381	8:50		289	09:25		321	09:03		301
di	17-5				14:50	55		14:56	65		15:50	76		16:08	76		14:53	56		15:46	68		15:16	68
di	17-5			21:06		297	21:12		307	22:11		373	22:33		403	21:15		307	21:50		339	21:28		319
wo	18-5				3:25	30		03:31	40		04:28	40		04:46	40		3:27	28		04:20	40		03:50	40
wo	18-5			9:48		285	09:54		295	10:52		358	11:14		388	9:56		297	10:31		329	10:09		309
wo	18-5				15:57	46		16:03	56		16:57	61		17:15	61		16:03	45		16:56	57		16:26	57
wo	18-5			22:02		295	22:08		305	23:06		370	23:28		400	22:14		307	22:49		339	22:27		319

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
do	19-5				4:24	30		04:30	40		05:28	30		05:46	30		4:29	28		05:22	40		04:52	40
do	19-5			10:35		286	10:41		296	11:43		356	12:05		386	10:46		300	11:21		332	10:59		312
do	19-5				16:52	39		16:58	49		17:52	51		18:10	51		16:57	37		17:50	49		17:20	49
do	19-5			22:43		287	22:49		297	23:49		359			389	23:01		301	23:36		333	23:14		313
vr	20-5				5:10	30		05:16	40		06:15	30	00:11		389		5:14	28		06:07	40		05:37	40
vr	20-5			11:06		284	11:12		294	12:16		352		06:33	30	11:24		300	11:59		332	11:37		312
vr	20-5				17:33	37		17:39	47		18:36	47	12:38		382		17:37	34		18:30	46		18:00	46
vr	20-5			23:15		282	23:21		292			351		18:54	47	23:38		295			327	23:51		307
za	21-5				5:47	30		05:53	40	00:17		351	00:39		381		5:51	28	0:13		327		06:14	40
za	21-5			11:33		290	11:39		300		06:54	30		07:12	30	11:57		305		06:44	40	12:10		317
za	21-5				18:07	32		18:13	42	12:39		358	13:01		388		18:11	31	12:32		337		18:34	43
za	21-5	23:14	VM	23:47		285	23:53		295		19:14	42		19:32	42					19:04	43			
zo	22-5				6:21	20		06:27	30	00:47		356	01:09		386	0:12		297	0:47		329	0:25		309
zo	22-5			12:08		302	12:14		312		07:30	30		07:48	30		6:24	18		07:17	30		06:47	30
zo	22-5				18:41	26		18:47	36	13:13		374	13:35		404	12:31		316	13:06		348	12:44		328
zo	22-5										19:50	34		20:08	34		18:44	25		19:37	37		19:07	37
ma	23-5			0:26		294	0:32		304	01:28		367	01:50		397	0:49		306	01:24		338	01:02		318
ma	23-5				6:56	20		07:02	30		08:04	20		08:22	20		6:58	18		07:51	30		07:21	30
ma	23-5			12:49		315	12:55		325	13:55		390	14:17		420	13:10		329	13:45		361	13:23		341
ma	23-5				19:17	22		19:23	32		20:26	27		20:44	27		19:19	21		20:12	33		19:42	33
di	24-5			1:10		301	01:16		311	02:13		376	02:35		406	1:29		313	02:04		345	01:42		325
di	24-5				7:32	20		07:38	30		08:39	20		08:57	20		7:34	18		08:27	30		07:57	30
di	24-5			13:33		320	13:39		330	14:39		398	15:01		428	13:49		335	14:24		367	14:02		347
di	24-5				19:54	26		20:00	36		21:02	30		21:20	30		19:57	24		20:50	36		20:20	36
wo	25-5			1:55		300	02:01		310	02:59		375	03:21		405	2:09		313	02:44		345	02:22		325
wo	25-5				8:06	30		08:12	40		09:14	30		09:32	30		8:09	28		09:02	40		08:32	40
wo	25-5			14:13		318	14:19		328	15:20		396	15:42		426	14:26		333	15:01		365	14:39		345
wo	25-5				20:30	37		20:36	47		21:38	42		21:56	42		20:33	34		21:26	46		20:56	46
do	26-5			2:35		291	02:41		301	03:40		365	04:02		395	2:47		305	03:22		337	03:00		317
do	26-5				8:37	40		08:43	50		09:47	50		10:05	50		8:42	38		09:35	50		09:05	50
do	26-5			14:47		311	14:53		321	15:56		388	16:18		418	15:00		327	15:35		359	15:13		339
do	26-5				21:04	48		21:10	58		22:12	55		22:30	55		21:09	44		22:02	56		21:32	56
vr	27-5			3:10		280	03:16		290	04:17		352	04:39		382	3:23		295	03:58		327	03:36		307
vr	27-5				9:07	50		09:13	60		10:20	60		10:38	60		9:14	48		10:07	60		09:37	60
vr	27-5			15:19		307	15:25		317	16:31		382	16:53		412	15:33		323	16:08		355	15:46		335
vr	27-5				21:40	51		21:46	61		22:49	59		23:07	59		21:46	48		22:39	60		22:09	60

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
za	28-5			3:49		274	03:55		284	04:56		343	05:18		373	4:02		289	04:37		321	04:15		301
za	28-5				9:45	50		09:51	60		10:58	60		11:16	60		9:53	58		10:46	70		10:16	70
za	28-5			16:00		307	16:06		317	17:11		382	17:33		412	16:14		323	16:49		355	16:27		335
za	28-5				22:23	47		22:29	57		23:30	54		23:48	54		22:29	45		23:22	57		22:52	57
zo	29-5			4:36		272	04:42		282	05:41		340	06:03		370	4:48		287	05:23		319	05:01		299
zo	29-5				10:35	50		10:41	60		11:43	50		12:01	50		10:41	48		11:34	60		11:04	60
zo	29-5	14:12	LK	16:51		309	16:57		319	17:59		382	18:21		412	17:03		325	17:38		357	17:16		337
zo	29-5				23:16	40		23:22	50								23:20	39					23:43	51
ma	30-5			5:32		273	05:38		283		00:19	40		00:37	40	5:42		288		00:13	50	05:55		300
ma	30-5				11:34	50		11:40	60	06:40		340	07:02		370		11:39	48	06:17		320		12:02	60
ma	30-5			17:49		309	17:55		319		12:35	57		12:53	57	18:00		324		12:32	63	18:13		336
ma	30-5									18:59		381	19:21		411				18:35		356			
di	31-5				0:17	30		00:23	40		01:17	40		01:35	40		0:20	28		01:13	40		0:43	40
di	31-5			6:38		275	06:44		285	07:52		343	08:14		373	6:44		288	07:19		320	06:57		300
di	31-5				12:38	48		12:44	58		13:37	62		13:55	62		12:41	48		13:34	60		13:04	60
di	31-5			18:55		306	19:01		316	20:13		377	20:35		407	19:03		320	19:38		352	19:16		332

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	1-6				1:25	30		01:31	40		02:28	40		02:46	40		1:28	28		02:21	40		01:51	40
wo	1-6			7:53		276	07:59		286	09:05		346	09:27		376	7:57		288	08:32		320	08:10		300
wo	1-6				13:49	46		13:55	56		14:55	65		15:13	65		13:52	46		14:45	58		14:15	58
wo	1-6			20:11		303	20:17		313	21:27		376	21:49		406	20:19		315	20:54		347	20:32		327
do	2-6				2:40	20		02:46	30		03:46	30		04:04	30		2:45	18		03:38	30		03:08	30
do	2-6			9:08		278	09:14		288	10:18		350	10:40		380	9:16		290	09:51		322	09:29		302
do	2-6				15:02	40		15:08	50		16:11	56		16:29	56		15:12	40		16:05	52		15:35	52
do	2-6			21:24		301	21:30		311	22:36		375	22:58		405	21:38		314	22:13		346	21:51		326
vr	3-6				3:47	20		03:53	30		04:52	20		05:10	20		3:55	18		04:48	30		04:18	30
vr	3-6			10:12		281	10:18		291	11:21		354	11:43		384	10:23		295	10:58		327	10:36		307
vr	3-6				16:09	31		16:15	41		17:17	44		17:35	44		16:22	29		17:15	41		16:45	41
vr	3-6			22:26		301	22:32		311	23:35		374	23:57		404	22:44		314	23:19		346	22:57		326
za	4-6				4:49	10		04:55	20		05:54	20		06:12	20		4:57	8		05:50	20		05:20	20
za	4-6			11:04		285	11:10		295	12:11		357	12:33		387	11:19		300	11:54		332	11:32		312
za	4-6				17:14	19		17:20	29		18:21	31		18:39	31		17:23	16		18:16	28		17:46	28
za	4-6			23:20		301	23:26		311							23:40		315			347	23:53		327
zo	5-6	5:00 NM			5:49	0		05:55	10	00:26		373	00:48		403		5:53	-2	0:15		347		06:16	10
zo	5-6			11:50		290	11:56		300		06:53	10		07:11	10	12:08		306		06:46	10	12:21		318
zo	5-6				18:16	4		18:22	14	12:57		362	13:19		392		18:19	1	12:43		338		18:42	13
zo	5-6										19:21	15		19:39	15					19:12	13			
ma	6-6			0:12		302	0:18		312	01:16		372	01:38		402	0:31		317	01:06		349	0:44		329
ma	6-6				6:43	0		06:49	10		07:47	10		08:05	10		6:45	-2		07:38	10		07:08	10
ma	6-6			12:35		298	12:41		308	13:41		370	14:03		400	12:54		313	13:29		345	13:07		325
ma	6-6				19:09	-8		19:15	2		20:14	0		20:32	0		19:11	-10		20:04	2		19:34	2
di	7-6			1:03		301	01:09		311	02:06		370	02:28		400	1:21		317	01:56		349	01:34		329
di	7-6				7:31	0		07:37	10		08:36	10		08:54	10		7:32	-2		08:25	10		07:55	10
di	7-6			13:21		304	13:27		314	14:26		376	14:48		406	13:40		319	14:15		351	13:53		331
di	7-6				19:58	-10		20:04	0		21:02	0		21:20	0		19:58	-12		20:51	0		20:21	0
wo	8-6			1:53		298	01:59		308	02:58		365	03:20		395	2:08		314	02:43		346	02:21		326
wo	8-6				8:17	0		08:23	10		09:21	10		09:39	10		8:17	-2		09:10	10		08:40	10
wo	8-6			14:07		305	14:13		315	15:11		376	15:33		406	14:24		320	14:59		352	14:37		332
wo	8-6				20:43	-3		20:49	7		21:47	6		22:05	6		20:43	-5		21:36	7		21:06	7
do	9-6			2:41		289	02:47		299	03:47		355	04:09		385	2:55		306	03:30		338	03:08		318
do	9-6				8:58	20		09:04	30		10:03	30		10:21	30		8:58	18		09:51	30		09:21	30
do	9-6			14:51		301	14:57		311	15:55		372	16:17		402	15:08		315	15:43		347	15:21		327
do	9-6				21:26	15		21:32	25		22:30	27		22:48	27		21:25	13		22:18	25		21:48	25

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
vr	10-6			3:26		278	03:32		288	04:32		343	04:54		373	3:40		295	04:15		327	03:53		307
vr	10-6				9:35	40		09:41	50		10:42	60		11:00	60		9:34	38		10:27	50		09:57	50
vr	10-6			15:33		297	15:39		307	16:37		367	16:59		397	15:50		310	16:25		342	16:03		322
vr	10-6				22:05	34		22:11	44		23:10	49		23:28	49		22:05	32		22:58	44		22:28	44
za	11-6			4:10		271	04:16		281	05:15		335	05:37		365	4:23		287	04:58		319	04:36		299
za	11-6				10:07	50		10:13	60		11:19	70		11:37	70		10:07	48		11:00	60		10:30	60
za	11-6			16:16		294	16:22		304	17:19		364	17:41		394	16:32		306	17:07		338	16:45		318
za	11-6				22:46	48		22:52	58		23:51	65			60		22:47	46		23:40	58		23:10	58
zo	12-6			4:56		268	05:02		278	06:01		333		00:09	60	5:08		283	05:43		315	05:21		295
zo	12-6	10:10	EK		10:47	60		10:53	70		11:58	80	06:23		363		10:48	58		11:41	70		11:11	70
zo	12-6			17:05		294	17:11		304	18:08		365		12:16	88	17:20		305	17:55		337	17:33		317
zo	12-6				23:35	53		23:41	63				18:30		395		23:36	52					23:59	64
ma	13-6			5:48		270	05:54		280		00:37	70		00:55	70	5:58		285		00:29	60	06:11		297
ma	13-6				11:44	70		11:50	80	06:54		336	07:16		366		11:49	68	06:33		317		12:12	80
ma	13-6			18:03		294	18:09		304		12:49	93		13:07	93	18:17		305		12:42	82	18:30		317
ma	13-6									19:07		366	19:29		396				18:52		337			
di	14-6				0:32	50		00:38	60		01:31	70		01:49	70		0:34	48		01:27	60		0:57	60
di	14-6			6:46		273	06:52		283	07:54		341	08:16		371	6:55		287	07:30		319	07:08		299
di	14-6				12:53	70		12:59	80		13:52	93		14:10	93		12:55	69		13:48	81		13:18	81
di	14-6			19:07		292	19:13		302	20:12		365	20:34		395	19:19		304	19:54		336	19:32		316
wo	15-6				1:33	50		01:39	60		02:32	60		02:50	60		1:33	48		02:26	60		01:56	60
wo	15-6			7:47		276	07:53		286	08:55		344	09:17		374	7:54		290	08:29		322	08:07		302
wo	15-6				14:00	66		14:06	76		14:59	88		15:17	88		14:01	65		14:54	77		14:24	77
wo	15-6			20:12		288	20:18		298	21:16		361	21:38		391	20:22		300	20:57		332	20:35		312
do	16-6				2:35	40		02:41	50		03:36	60		03:54	60		2:34	38		03:27	50		02:57	50
do	16-6			8:49		278	08:55		288	09:57		346	10:19		376	8:56		292	09:31		324	09:09		304
do	16-6				15:05	60		15:11	70		16:06	80		16:24	80		15:07	59		16:00	71		15:30	71
do	16-6			21:11		283	21:17		293	22:15		354	22:37		384	21:23		295	21:58		327	21:36		307
vr	17-6				3:34	40		03:40	50		04:38	60		04:56	60		3:35	38		04:28	50		03:58	50
vr	17-6			9:42		280	09:48		290	10:50		348	11:12		378	9:55		295	10:30		327	10:08		307
vr	17-6				16:05	54		16:11	64		17:08	70		17:26	70		16:10	53		17:03	65		16:33	65
vr	17-6			22:00		279	22:06		289	23:02		349	23:24		379	22:18		291	22:53		323	22:31		303
za	18-6				4:26	40		04:32	50		05:33	50		05:51	50		4:29	38		05:22	50		04:52	50
za	18-6			10:25		286	10:31		296	11:32		354	11:54		384	10:43		301	11:18		333	10:56		313
za	18-6				16:54	49		17:00	59		18:00	62		18:18	62		17:00	48		17:53	60		17:23	60
za	18-6			22:41		279	22:47		289	23:42		349			379	23:04		292	23:39		324	23:17		304

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	19-6				5:10	40		05:16	50		06:19	50	00:04		379		5:14	38		06:07	50		05:37	50
zo	19-6			11:04		296	11:10		306	12:11		365		06:37	50	11:25		311	12:00		343	11:38		323
zo	19-6				17:36	43		17:42	53		18:44	54	12:33		395		17:40	41		18:33	53		18:03	53
zo	19-6			23:22		286	23:28		296					19:02	54	23:45		298				23:58		310
ma	20-6				5:52	30		05:58	40	00:23		356	00:45		386		5:54	28	0:20		330		06:17	40
ma	20-6	13:02	VM	11:46		309	11:52		319		07:01	40		07:19	40	12:06		323		06:47	40	12:19		335
ma	20-6				18:17	36		18:23	46	12:54		380	13:16		410		18:20	34	12:41		355		18:43	46
ma	20-6										19:26	46		19:44	46					19:13	46			
di	21-6			0:07		294	0:13		304	01:09		365	01:31		395	0:27		307	01:02		339	0:40		319
di	21-6				6:32	30		06:38	40		07:40	40		07:58	40		6:35	28		07:28	40		06:58	40
di	21-6			12:31		318	12:37		328	13:39		391	14:01		421	12:48		334	13:23		366	13:01		346
di	21-6				18:59	31		19:05	41		20:06	40		20:24	40		19:00	29		19:53	41		19:23	41
wo	22-6			0:54		298	01:00		308	01:58		370	02:20		400	1:11		313	01:46		345	01:24		325
wo	22-6				7:13	30		07:19	40		08:19	40		08:37	40		7:14	28		08:07	40		07:37	40
wo	22-6			13:15		321	13:21		331	14:23		395	14:45		425	13:29		338	14:04		370	13:42		350
wo	22-6				19:39	31		19:45	41		20:45	40		21:03	40		19:41	27		20:34	39		20:04	39
do	23-6			1:40		295	01:46		305	02:44		366	03:06		396	1:53		311	02:28		343	02:06		323
do	23-6				7:50	30		07:56	40		08:56	40		09:14	40		7:52	28		08:45	40		08:15	40
do	23-6			13:55		318	14:01		328	15:02		392	15:24		422	14:08		336	14:43		368	14:21		348
do	23-6				20:18	35		20:24	45		21:23	43		21:41	43		20:20	30		21:13	42		20:43	42
vr	24-6			2:21		287	02:27		297	03:25		357	03:47		387	2:32		304	03:07		336	02:45		316
vr	24-6				8:25	40		08:31	50		09:32	50		09:50	50		8:28	38		09:21	50		08:51	50
vr	24-6			14:31		313	14:37		323	15:38		387	16:00		417	14:43		331	15:18		363	14:56		343
vr	24-6				20:55	39		21:01	49		22:00	47		22:18	47		20:57	32		21:50	44		21:20	44
za	25-6			2:59		279	03:05		289	04:03		347	04:25		377	3:10		296	03:45		328	03:23		308
za	25-6				8:59	40		09:05	50		10:08	50		10:26	50		9:04	38		09:57	50		09:27	50
za	25-6			15:05		310	15:11		320	16:14		385	16:36		415	15:18		329	15:53		361	15:31		341
za	25-6				21:32	38		21:38	48		22:37	47		22:55	47		21:35	31		22:28	43		21:58	43
zo	26-6			3:38		274	03:44		284	04:43		342	05:05		372	3:49		292	04:24		324	04:02		304
zo	26-6				9:37	40		09:43	50		10:45	50		11:03	50		9:43	38		10:36	50		10:06	50
zo	26-6			15:47		311	15:53		321	16:56		386	17:18		416	15:59		330	16:34		362	16:12		342
zo	26-6				22:12	33		22:18	43		23:18	42		23:36	42		22:15	27		23:08	39		22:38	39
ma	27-6			4:22		273	04:28		283	05:29		340	05:51		370	4:34		291	05:09		323	04:47		303
ma	27-6				10:22	30		10:28	40		11:28	40		11:46	40		10:27	28		11:20	40		10:50	40
ma	27-6			16:34		312	16:40		322	17:43		385	18:05		415	16:46		330	17:21		362	16:59		342
ma	27-6	20:19	LK		22:59	30		23:05	40								23:02	26		23:55	38		23:25	38

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"E			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
di	28-6			5:14		273	05:20		283		00:03	40		00:21	40	5:24		290	05:59		322	05:37		302
di	28-6				11:14	30		11:20	40	06:25		338	06:47		368		11:18	28		12:11	40		11:41	40
di	28-6			17:28		309	17:34		319		12:17	50		12:35	50	17:39		326	18:14		358	17:52		338
di	28-6				23:53	31		23:59	41	18:40		379	19:02		409									
wo	29-6			6:14		271	06:20		281		00:56	40		01:14	40		23:56	28		00:49	40		0:19	40
wo	29-6				12:11	40		12:17	50	07:30		336	07:52		366	6:22		286	06:57		318	06:35		298
wo	29-6			18:29		301	18:35		311		13:13	60		13:31	60		12:15	43		13:08	55		12:38	55
wo	29-6									19:47		370	20:09		400	18:39		316	19:14		348	18:52		328
do	30-6				0:56	30		01:02	40		02:02	50		02:20	50		1:01	28		01:54	40		01:24	40
do	30-6			7:22		268	07:28		278	08:37		333	08:59		363	7:31		282	08:06		314	07:44		294
do	30-6				13:19	49		13:25	59		14:26	71		14:44	71		13:24	49		14:17	61		13:47	61
do	30-6			19:41		293	19:47		303	20:59		361	21:21		391	19:53		306	20:28		338	20:06		318

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	1-7				2:13	30		02:19	40		03:19	50		03:37	50		2:19	28		03:12	40		02:42	40
vr	1-7			8:36		267	08:42		277	09:51		334	10:13		364	8:48		281	09:23		313	09:01		293
vr	1-7				14:37	47		14:43	57		15:46	67		16:04	67		14:48	46		15:41	58		15:11	58
vr	1-7			20:59		288	21:05		298	22:12		357	22:34		387	21:15		301	21:50		333	21:28		313
za	2-7				3:22	30		03:28	40		04:27	40		04:45	40		3:29	28		04:22	40		03:52	40
za	2-7			9:46		272	09:52		282	10:55		340	11:17		370	10:00		286	10:35		318	10:13		298
za	2-7				15:47	38		15:53	48		16:56	56		17:14	56		16:00	36		16:53	48		16:23	48
za	2-7			22:08		289	22:14		299	23:14		359	23:36		389	22:27		302	23:02		334	22:40		314
zo	3-7				4:28	20		04:34	30		05:33	30		05:51	30		4:35	18		05:28	30		04:58	30
zo	3-7			10:43		281	10:49		291	11:49		350	12:11		380	10:58		296	11:33		328	11:11		308
zo	3-7				17:02	25		17:08	35		18:09	40		18:27	40		17:09	21		18:02	33		17:32	33
zo	3-7			23:07		292	23:13		302							23:26		307			339	23:39		319
ma	4-7				5:34	20		05:40	30	00:09		362	00:31		392		5:38	18	0:01		339		06:01	30
ma	4-7	13:01	NM	11:34		292	11:40		302		06:39	20		06:57	20	11:50		307		06:31	30	12:03		319
ma	4-7				18:08	10		18:14	20	12:38		362	13:00		392		18:09	7	12:25		339		18:32	19
ma	4-7										19:13	21		19:31	21					19:02	19			
di	5-7			0:01		296	0:07		306	01:03		365	01:25		395	0:19		312	0:54		344	0:32		324
di	5-7				6:31	10		06:37	20		07:36	20		07:54	20		6:32	8		07:25	20		06:55	20
di	5-7			12:22		302	12:28		312	13:26		371	13:48		401	12:38		317	13:13		349	12:51		329
di	5-7				19:01	0		19:07	10		20:06	9		20:24	9		19:01	-2		19:54	10		19:24	10
wo	6-7			0:52		298	0:58		308	01:56		365	02:18		395	1:08		314	01:43		346	01:21		326
wo	6-7				7:20	10		07:26	20		08:24	20		08:42	20		7:20	8		08:13	20		07:43	20
wo	6-7			13:08		307	13:14		317	14:13		377	14:35		407	13:24		322	13:59		354	13:37		334
wo	6-7				19:47	2		19:53	12		20:52	12		21:10	12		19:47	0		20:40	12		20:10	12
do	7-7			1:41		295	01:47		305	02:49		361	03:11		391	1:55		313	02:30		345	02:08		325
do	7-7				8:03	20		08:09	30		09:08	30		09:26	30		8:04	18		08:57	30		08:27	30
do	7-7			13:52		308	13:58		318	14:59		376	15:21		406	14:08		324	14:43		356	14:21		336
do	7-7				20:30	15		20:36	25		21:34	27		21:52	27		20:30	12		21:23	24		20:53	24
vr	8-7			2:25		289	02:31		299	03:37		353	03:59		383	2:38		308	03:13		340	02:51		320
vr	8-7				8:42	30		08:48	40		09:47	50		10:05	50		8:42	28		09:35	40		09:05	40
vr	8-7			14:32		305	14:38		315	15:40		372	16:02		402	14:48		321	15:23		353	15:01		333
vr	8-7				21:08	33		21:14	43		22:12	46		22:30	46		21:08	29		22:01	41		21:31	41
za	9-7			3:05		282	03:11		292	04:15		345	04:37		375	3:17		302	03:52		334	03:30		314
za	9-7				9:15	50		09:21	60		10:23	70		10:41	70		9:16	48		10:09	60		09:39	60
za	9-7			15:10		303	15:16		313	16:17		369	16:39		399	15:26		318	16:01		350	15:39		330
za	9-7				21:42	47		21:48	57		22:48	62		23:06	62		21:41	43		22:34	55		22:04	55

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
zo	10-7			3:42		278	03:48		288	04:50		340	05:12		370	3:55		298	04:30		330	04:08		310
zo	10-7				9:43	60		09:49	70		10:56	80		11:14	80		9:44	58		10:37	70		10:07	70
zo	10-7			15:47		302	15:53		312	16:54		368	17:16		398	16:03		317	16:38		349	16:16		329
zo	10-7				22:15	54		22:21	64		23:23	69		23:41	69		22:14	50		23:07	62		22:37	62
ma	11-7			4:21		278	04:27		288	05:30		340	05:52		370	4:35		297	05:10		329	04:48		309
ma	11-7				10:16	60		10:22	70		11:30	80		11:48	80		10:18	58		11:11	70		10:41	70
ma	11-7			16:28		300	16:34		310	17:36		368	17:58		398	16:44		315	17:19		347	16:57		327
ma	11-7				22:54	57		23:00	67								22:54	54		23:47	66		23:17	66
di	12-7	2:52	EK	5:07		278	05:13		288		00:01	70		00:19	70	5:19		296	05:54		328	05:32		308
di	12-7				11:00	60		11:06	70	06:17		342	06:39		372		11:02	58		11:55	70		11:25	70
di	12-7			17:19		296	17:25		306		12:10	88		12:28	88	17:33		310	18:08		342	17:46		322
di	12-7				23:42	61		23:48	71	18:26		365	18:48		395									
wo	13-7			6:01		277	06:07		287		00:46	70		01:04	70		23:43	58		00:36	70		0:06	70
wo	13-7				11:55	70		12:01	80	07:08		341	07:30		371	6:11		294	06:46		326	06:24		306
wo	13-7			18:18		288	18:24		298		13:00	95		13:18	95		11:59	73		12:52	85		12:22	85
wo	13-7									19:22		358	19:44		388	18:29		301	19:04		333	18:42		313
do	14-7				0:39	60		00:45	70		01:38	80		01:56	80		0:40	58		01:33	70		01:03	70
do	14-7			6:57		275	07:03		285	08:02		340	08:24		370	7:06		290	07:41		322	07:19		302
do	14-7				13:01	80		13:07	90		14:01	104		14:19	104		13:02	79		13:55	91		13:25	91
do	14-7			19:19		280	19:25		290	20:20		349	20:42		379	19:30		292	20:05		324	19:43		304
vr	15-7				1:42	70		01:48	80		02:40	90		02:58	90		1:41	68		02:34	80		02:04	80
vr	15-7			7:54		276	08:00		286	08:57		341	09:19		371	8:05		289	08:40		321	08:18		301
vr	15-7				14:10	82		14:16	92		15:11	107		15:29	107		14:09	81		15:02	93		14:32	93
vr	15-7			20:18		276	20:24		286	21:16		344	21:38		374	20:31		286	21:06		318	20:44		298
za	16-7				2:45	70		02:51	80		03:47	90		04:05	90		2:42	68		03:35	80		03:05	80
za	16-7			8:51		282	08:57		292	09:53		347	10:15		377	9:05		294	09:40		326	09:18		306
za	16-7				15:16	78		15:22	88		16:21	101		16:39	101		15:17	78		16:10	90		15:40	90
za	16-7			21:15		277	21:21		287	22:12		345	22:34		375	21:31		286	22:06		318	21:44		298
zo	17-7				3:43	60		03:49	70		04:50	80		05:08	80		3:42	68		04:35	80		04:05	80
zo	17-7			9:47		293	09:53		303	10:51		360	11:13		390	10:03		305	10:38		337	10:16		317
zo	17-7				16:15	69		16:21	79		17:23	87		17:41	87		16:20	69		17:13	81		16:43	81
zo	17-7			22:09		283	22:15		293	23:08		352	23:30		382	22:28		293	23:03		325	22:41		305
ma	18-7				4:36	60		04:42	70		05:45	70		06:03	70		4:38	58		05:31	70		05:01	70
ma	18-7			10:39		307	10:45		317	11:47		376	12:09		406	10:55		320	11:30		352	11:08		332
ma	18-7				17:08	58		17:14	68		18:16	73		18:34	73		17:11	58		18:04	70		17:34	70
ma	18-7			23:01		292	23:07		302							23:20		303	23:55		335	23:33		315

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
di	19-7				5:25	50		05:31	60	00:04		361	00:26		391		5:27	48		06:20	60		05:50	60
di	19-7			11:28		319	11:34		329		06:34	60		06:52	60	11:43		333	12:18		365	11:56		345
di	19-7				17:56	47		18:02	57	12:39		389	13:01		419		17:58	45		18:51	57		18:21	57
di	19-7			23:53		297	23:59		307		19:03	60		19:21	60									
wo	20-7	0:57	VM		6:11	40		06:17	50	00:59		367	01:21		397	0:08		311	0:43		343	0:21		323
wo	20-7			12:16		324	12:22		334		07:19	50		07:37	50		6:13	38		07:06	50		06:36	50
wo	20-7				18:41	38		18:47	48	13:28		395	13:50		425	12:28		340	13:03		372	12:41		352
wo	20-7										19:47	50		20:05	50		18:42	34		19:35	46		19:05	46
do	21-7			0:42		298	0:48		308	01:51		366	02:13		396	0:54		314	01:29		346	01:07		326
do	21-7				6:55	30		07:01	40		08:01	40		08:19	40		6:57	28		07:50	40		07:20	40
do	21-7			13:00		323	13:06		333	14:12		393	14:34		423	13:11		341	13:46		373	13:24		353
do	21-7				19:25	33		19:31	43		20:29	43		20:47	43		19:25	27		20:18	39		19:48	39
vr	22-7			1:27		293	01:33		303	02:37		360	02:59		390	1:37		311	02:12		343	01:50		323
vr	22-7				7:36	30		07:42	40		08:41	40		08:59	40		7:37	28		08:30	40		08:00	40
vr	22-7			13:39		319	13:45		329	14:49		388	15:11		418	13:50		338	14:25		370	14:03		350
vr	22-7				20:05	30		20:11	40		21:09	39		21:27	39		20:06	24		20:59	36		20:29	36
za	23-7			2:07		287	02:13		297	03:16		352	03:38		382	2:17		305	02:52		337	02:30		317
za	23-7				8:13	30		08:19	40		09:19	40		09:37	40		8:15	28		09:08	40		08:38	40
za	23-7			14:15		317	14:21		327	15:23		387	15:45		417	14:27		336	15:02		368	14:40		348
za	23-7				20:44	28		20:50	38		21:48	36		22:06	36		20:44	21		21:37	33		21:07	33
zo	24-7			2:45		282	02:51		292	03:52		347	04:14		377	2:56		301	03:31		333	03:09		313
zo	24-7				8:49	30		08:55	40		09:56	40		10:14	40		8:52	18		09:45	30		09:15	30
zo	24-7			14:51		318	14:57		328	15:59		390	16:21		420	15:04		337	15:39		369	15:17		349
zo	24-7				21:22	26		21:28	36		22:26	34		22:44	34		21:22	19		22:15	31		21:45	31
ma	25-7			3:23		281	03:29		291	04:30		347	04:52		377	3:36		299	04:11		331	03:49		311
ma	25-7				9:27	20		09:33	30		10:35	30		10:53	30		9:30	18		10:23	30		09:53	30
ma	25-7			15:33		319	15:39		329	16:41		392	17:03		422	15:45		338	16:20		370	15:58		350
ma	25-7				22:00	25		22:06	35		23:06	35		23:24	35		22:01	19		22:54	31		22:24	31
di	26-7			4:07		280	04:13		290	05:16		346	05:38		376	4:19		298	04:54		330	04:32		310
di	26-7				10:08	20		10:14	30		11:15	40		11:33	40		10:11	18		11:04	30		10:34	30
di	26-7			16:19		317	16:25		327	17:30		389	17:52		419	16:31		335	17:06		367	16:44		347
di	26-7				22:42	29		22:48	39		23:48	42					22:44	24		23:37	36		23:07	36
wo	27-7	1:00	LK	4:56		277	05:02		287	06:08		342		00:06	40	5:07		294	05:42		326	05:20		306
wo	27-7				10:54	30		11:00	40		12:00	40	06:30		372		10:58	28		11:51	40		11:21	40
wo	27-7			17:11		308	17:17		318	18:25		377		12:18	49	17:21		324	17:56		356	17:34		336
wo	27-7				23:30	38		23:36	48			50	18:47		407		23:33	35					23:56	47

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"E			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	28-7			5:52		271	05:58		281		00:36	50		00:54	50	6:02		285		00:26	40	06:15		297
do	28-7				11:47	40		11:53	50	07:07		334	07:29		364		11:51	38	06:37		317		12:14	50
do	28-7			18:11		294	18:17		304		12:52	66		13:10	66	18:21		308		12:44	56	18:34		320
do	28-7									19:28		360	19:50		390				18:56		340			60
vr	29-7				0:29	50		00:35	60		01:38	70		01:56	70		0:36	48		01:29	60		0:59	60
vr	29-7			6:57		265	07:03		275	08:12		327	08:34		357	7:09		277	07:44		309	07:22		289
vr	29-7				12:54	56		13:00	66		14:04	82		14:22	82		13:03	55		13:56	67		13:26	67
vr	29-7			19:24		282	19:30		292	20:40		347	21:02		377	19:38		293	20:13		325	19:51		305
za	30-7				1:53	50		01:59	60		02:58	70		03:16	70		2:00	48		02:53	60		02:23	60
za	30-7			8:11		264	08:17		274	09:27		327	09:49		357	8:27		275	09:02		307	08:40		287
za	30-7				14:23	55		14:29	65		15:29	80		15:47	80		14:33	54		15:26	66		14:56	66
za	30-7			20:45		278	20:51		288	21:56		344	22:18		374	21:02		289	21:37		321	21:15		301
zo	31-7				3:06	40		03:12	50		04:10	60		04:28	60		3:12	48		04:05	60		03:35	60
zo	31-7			9:27		273	09:33		283	10:35		338	10:57		368	9:41		284	10:16		316	09:54		296
zo	31-7				15:39	44		15:45	54		16:45	65		17:03	65		15:47	42		16:40	54		16:10	54
zo	31-7			21:58		284	22:04		294	23:02		351	23:24		381	22:15		296	22:50		328	22:28		308

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	1-8				4:17	30		04:23	40		05:22	50		05:40	50		4:22	38		05:15	50		04:45	50
ma	1-8			10:28		288	10:34		298	11:32		356	11:54		386	10:42		300	11:17		332	10:55		312
ma	1-8				16:59	29		17:05	39		18:04	42		18:22	42		17:01	27		17:54	39		17:24	39
ma	1-8			22:57		293	23:03		303			361			391	23:15		307	23:50		339	23:28		319
di	2-8				5:25	20		05:31	30	00:00		361	00:22		391		5:28	28		06:21	40		05:51	40
di	2-8			11:20		303	11:26		313		06:30	30		06:48	30	11:35		316	12:10		348	11:48		328
di	2-8				18:00	15		18:06	25	12:24		372	12:46		402		18:00	14		18:53	26		18:23	26
di	2-8	22:45	NM	23:51		300	23:57		310		19:04	21		19:22	21									
wo	3-8				6:19	20		06:25	30	00:55		367	01:17		397	0:07		316	0:42		348	0:20		328
wo	3-8			12:08		313	12:14		323		07:24	20		07:42	20		6:20	18		07:13	30		06:43	30
wo	3-8				18:49	12		18:55	22	13:14		382	13:36		412	12:23		327	12:58		359	12:36		339
wo	3-8										19:53	17		20:11	17		18:49	10		19:42	22		19:12	22
do	4-8			0:40		302	0:46		312	01:51		368	02:13		398	0:54		320	01:29		352	01:07		332
do	4-8				7:06	20		07:12	30		08:11	30		08:29	30		7:06	18		07:59	30		07:29	30
do	4-8			12:52		316	12:58		326	14:01		384	14:23		414	13:08		332	13:43		364	13:21		344
do	4-8				19:32	20		19:38	30		20:37	28		20:55	28		19:32	17		20:25	29		19:55	29
vr	5-8			1:24		299	01:30		309	02:43		363	03:05		393	1:37		318	02:12		350	01:50		330
vr	5-8				7:46	30		07:52	40		08:51	50		09:09	50		7:46	28		08:39	40		08:09	40
vr	5-8			13:32		314	13:38		324	14:42		380	15:04		410	13:48		331	14:23		363	14:01		343
vr	5-8				20:10	35		20:16	45		21:15	46		21:33	46		20:10	31		21:03	43		20:33	43
za	6-8			2:02		293	02:08		303	03:19		355	03:41		385	2:15		314	02:50		346	02:28		326
za	6-8				8:20	50		08:26	60		09:27	60		09:45	60		8:21	38		09:14	50		08:44	50
za	6-8			14:07		311	14:13		321	15:16		376	15:38		406	14:23		328	14:58		360	14:36		340
za	6-8				20:42	48		20:48	58		21:49	61		22:07	61		20:42	43		21:35	55		21:05	55
zo	7-8			2:34		290	02:40		300	03:44		351	04:06		381	2:49		311	03:24		343	03:02		323
zo	7-8				8:48	50		08:54	60		09:58	70		10:16	70		8:49	48		09:42	60		09:12	60
zo	7-8			14:39		310	14:45		320	15:48		375	16:10		405	14:57		327	15:32		359	15:10		339
zo	7-8				21:11	55		21:17	65		22:20	67		22:38	67		21:10	50		22:03	62		21:33	62
ma	8-8			3:05		290	03:11		300	04:15		352	04:37		382	3:22		311	03:57		343	03:35		323
ma	8-8				9:12	60		09:18	70		10:28	70		10:46	70		9:14	58		10:07	70		09:37	70
ma	8-8			15:12		310	15:18		320	16:22		376	16:44		406	15:30		326	16:05		358	15:43		338
ma	8-8				21:39	57		21:45	67		22:51	68		23:09	68		21:40	52		22:33	64		22:03	64
di	9-8			3:40		291	03:46		301	04:52		353	05:14		383	3:58		311	04:33		343	04:11		323
di	9-8				9:43	60		09:49	70		11:00	70		11:18	70		9:46	58		10:39	70		10:09	70
di	9-8			15:48		307	15:54		317	16:59		374	17:21		404	16:07		323	16:42		355	16:20		335
di	9-8				22:13	61		22:19	71		23:24	73		23:42	73		22:14	57		23:07	69		22:37	69

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	10-8			4:22		289	04:28		299	05:34		352	05:56		382	4:39		308	05:14		340	04:52		320
wo	10-8				10:21	60		10:27	70		11:35	80		11:53	80		10:24	68		11:17	80		10:47	80
wo	10-8			16:31		300	16:37		310	17:40		367	18:02		397	16:49		314	17:24		346	17:02		326
wo	10-8	20:21	EK		22:52	71		22:58	81								22:54	68		23:47	80		23:17	80
do	11-8			5:10		285	05:16		295		00:01	80		00:19	80	5:25		301	06:00		333	05:38		313
do	11-8				11:05	80		11:11	90	06:20		348	06:42		378		11:10	78		12:03	90		11:33	90
do	11-8			17:22		289	17:28		299		12:15	99		12:33	99	17:37		301	18:12		333	17:50		313
do	11-8				23:37	86		23:43	96	18:27		356	18:49		386									
vr	12-8			6:04		281	06:10		291		00:42	100		01:00	100		23:41	78		00:34	90		0:04	90
vr	12-8				11:59	90		12:05	100	07:09		344	07:31		374	6:15		294	06:50		326	06:28		306
vr	12-8			18:20		280	18:26		290		13:01	116		13:19	116		12:04	96		12:57	108		12:27	108
vr	12-8									19:22		347	19:44		377	18:32		290	19:07		322	18:45		302
za	13-8				0:32	100		00:38	110		01:31	120		01:49	120		0:35	98		01:28	110		0:58	110
za	13-8			7:02		282	07:08		292	08:02		346	08:24		376	7:12		292	07:47		324	07:25		304
za	13-8				13:02	106		13:08	116		13:59	130		14:17	130		13:05	106		13:58	118		13:28	118
za	13-8			19:22		277	19:28		287	20:22		345	20:44		375	19:33		285	20:08		317	19:46		297
zo	14-8				1:37	100		01:43	110		02:34	130		02:52	130		1:36	98		02:29	110		01:59	110
zo	14-8			8:03		290	08:09		300	09:00		355	09:22		385	8:14		298	08:49		330	08:27		310
zo	14-8				14:15	105		14:21	115		15:15	133		15:33	133		14:13	105		15:06	117		14:36	117
zo	14-8			20:26		282	20:32		292	21:23		350	21:45		380	20:38		289	21:13		321	20:51		301
ma	15-8				2:48	90		02:54	100		03:55	120		04:13	120		2:41	98		03:34	110		03:04	110
ma	15-8			9:08		304	09:14		314	10:07		370	10:29		400	9:20		312	09:55		344	09:33		324
ma	15-8				15:29	92		15:35	102		16:40	117		16:58	117		15:29	93		16:22	105		15:52	105
ma	15-8			21:33		291	21:39		301	22:31		360	22:53		390	21:47		299	22:22		331	22:00		311
di	16-8				3:55	80		04:01	90		05:07	90		05:25	90		3:53	78		04:46	90		04:16	90
di	16-8			10:12		320	10:18		330	11:18		388	11:40		418	10:23		330	10:58		362	10:36		342
di	16-8				16:35	74		16:41	84		17:45	91		18:03	91		16:39	73		17:32	85		17:02	85
di	16-8			22:39		300	22:45		310	23:43		370				22:52		311	23:27		343	23:05		323
wo	17-8				4:54	60		05:00	70		06:04	70	00:05		400		4:58	58		05:51	70		05:21	70
wo	17-8			11:08		330	11:14		340	12:19		401		06:22	70	11:18		342	11:53		374	11:31		354
wo	17-8				17:31	56		17:37	66		18:38	68	12:41		431		17:33	53		18:26	65		17:56	65
wo	17-8			23:35		304	23:41		314					18:56	68	23:46		318				23:59		330
do	18-8				5:47	50		05:53	60	00:46		375	01:08		405		5:50	48	0:21		350		06:13	60
do	18-8	11:27	VM	11:57		332	12:03		342		06:54	60		07:12	60	12:06		347		06:43	60	12:19		359
do	18-8				18:20	42		18:26	52	13:11		403	13:33		433		18:21	37	12:41		379		18:44	49
do	18-8									19:25		52		19:43	52			318		19:14	49			330

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	19-8			0:25		302	0:31		312	01:39		371	02:01		401	0:34		318	01:09		350	0:47		330
vr	19-8				6:34	40		06:40	50		07:39	50		07:57	50		6:36	28		07:29	40		06:59	40
vr	19-8			12:40		328	12:46		338	13:55		398	14:17		428	12:50		345	13:25		377	13:03		357
vr	19-8				19:05	32		19:11	42		20:09	41		20:27	41		19:06	26		19:59	38		19:29	38
za	20-8			1:09		296	01:15		306	02:24		363	02:46		393	1:18		314	01:53		346	01:31		326
za	20-8				7:16	30		07:22	40		08:22	40		08:40	40		7:19	28		08:12	40		07:42	40
za	20-8			13:18		324	13:24		334	14:32		393	14:54		423	13:30		343	14:05		375	13:43		355
za	20-8				19:47	26		19:53	36		20:50	33		21:08	33		19:48	20		20:41	32		20:11	32
zo	21-8			1:47		291	01:53		301	03:02		356	03:24		386	1:58		310	02:33		342	02:11		322
zo	21-8				7:56	30		08:02	40		09:02	30		09:20	30		7:58	18		08:51	30		08:21	30
zo	21-8			13:54		325	14:00		335	15:05		394	15:27		424	14:09		344	14:44		376	14:22		356
zo	21-8				20:27	22		20:33	32		21:30	26		21:48	26		20:27	16		21:20	28		20:50	28
ma	22-8			2:23		291	02:29		301	03:35		356	03:57		386	2:38		310	03:13		342	02:51		322
ma	22-8				8:34	20		08:40	30		09:42	30		10:00	30		8:36	18		09:29	30		08:59	30
ma	22-8			14:33		328	14:39		338	15:42		400	16:04		430	14:48		347	15:23		379	15:01		359
ma	22-8				21:06	21		21:12	31		22:10	25		22:28	25		21:05	15		21:58	27		21:28	27
di	23-8			3:02		293	03:08		303	04:11		360	04:33		390	3:19		311	03:54		343	03:32		323
di	23-8				9:12	20		09:18	30		10:22	20		10:40	20		9:14	8		10:07	20		09:37	20
di	23-8			15:16		329	15:22		339	16:25		401	16:47		431	15:30		346	16:05		378	15:43		358
di	23-8				21:44	25		21:50	35		22:50	31		23:08	31		21:43	19		22:36	31		22:06	31
wo	24-8			3:46		292	03:52		302	04:55		360	05:17		390	4:01		309	04:36		341	04:14		321
wo	24-8				9:52	20		09:58	30		11:02	30		11:20	30		9:54	18		10:47	30		10:17	30
wo	24-8			16:03		321	16:09		331	17:14		393	17:36		423	16:16		337	16:51		369	16:29		349
wo	24-8				22:24	35		22:30	45		23:31	46		23:49	46		22:24	31		23:17	43		22:47	43
do	25-8	5:41	LK	4:35		286	04:41		296	05:45		353	06:07		383	4:48		301	05:23		333	05:01		313
do	25-8				10:36	30		10:42	40		11:45	50		12:03	50		10:38	28		11:31	40		11:01	40
do	25-8			16:56		305	17:02		315	18:08		374	18:30		404	17:07		319	17:42		351	17:20		331
do	25-8				23:08	50		23:14	60								23:09	48					23:32	60
vr	26-8			5:30		276	05:36		286		00:15	60		00:33	60		5:42	288		00:02	60	05:55		300
vr	26-8				11:27	50		11:33	60	06:40		342	07:02		372		11:30	48	06:17		320		11:53	60
vr	26-8			17:59		286	18:05		296		12:35	73		12:53	73	18:09		297		12:23	63	18:22		309
vr	26-8					60			70	19:10		353	19:32		383			58	18:44		329			70
za	27-8				0:06	60		00:12	70		01:14	80		01:32	80		0:14	58		01:07	70		0:37	70
za	27-8			6:34		268	06:40		278	07:43		331	08:05		361	6:49		276	07:24		308	07:02		288
za	27-8				12:43	65		12:49	75		13:50	92		14:08	92		12:56	65		13:49	77		13:19	77
za	27-8			19:12		274	19:18		284	20:22		338	20:44		368	19:28		282	20:03		314	19:41		294

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	1-9				6:04	30		06:10	40	00:52		377	01:14		407	23:53		326	0:28		358	0:06		338
do	1-9	11:03	NM	11:52		325	11:58		335		07:07	30		07:25	30		6:04	28		06:57	40		06:27	40
do	1-9				18:31	26		18:37	36	13:02		395	13:24		425	12:07		341	12:42		373	12:20		353
do	1-9										19:35	28		19:53	28		18:31	24		19:24	36		18:54	36
vr	2-9			0:24		308	0:30		318	01:50		375	02:12		405	0:37		328	01:12		360	0:50		340
vr	2-9				6:47	40		06:53	50		07:51	40		08:09	40		6:48	28		07:41	40		07:11	40
vr	2-9			12:32		323	12:38		333	13:45		391	14:07		421	12:49		340	13:24		372	13:02		352
vr	2-9				19:11	38		19:17	48		20:16	45		20:34	45		19:11	35		20:04	47		19:34	47
za	3-9			1:01		302	01:07		312	02:30		365	02:52		395	1:16		323	01:51		355	01:29		335
za	3-9				7:24	50		07:30	60		08:29	60		08:47	60		7:25	38		08:18	50		07:48	50
za	3-9			13:05		318	13:11		328	14:15		383	14:37		413	13:24		335	13:59		367	13:37		347
za	3-9				19:44	51		19:50	61		20:50	62		21:08	62		19:45	46		20:38	58		20:08	58
zo	4-9			1:29		298	01:35		308	02:39		358	03:01		388	1:47		319	02:22		351	02:00		331
zo	4-9				7:53	60		07:59	70		09:01	70		09:19	70		7:55	48		08:48	60		08:18	60
zo	4-9			13:34		315	13:40		325	14:41		380	15:03		410	13:55		332	14:30		364	14:08		344
zo	4-9				20:12	57		20:18	67		21:20	69		21:38	69		20:13	52		21:06	64		20:36	64
ma	5-9			1:56		300	02:02		310	03:02		362	03:24		392	2:16		320	02:51		352	02:29		332
ma	5-9				8:16	60		08:22	70		09:30	70		09:48	70		8:19	58		09:12	70		08:42	70
ma	5-9			14:04		316	14:10		326	15:13		383	15:35		413	14:25		332	15:00		364	14:38		344
ma	5-9				20:37	57		20:43	67		21:49	66		22:07	66		20:38	53		21:31	65		21:01	65
di	6-9			2:26		305	02:32		315	03:36		369	03:58		399	2:48		324	03:23		356	03:01		336
di	6-9				8:41	60		08:47	70		09:59	70		10:17	70		8:45	58		09:38	70		09:08	70
di	6-9			14:37		317	14:43		327	15:48		385	16:10		415	14:58		332	15:33		364	15:11		344
di	6-9				21:05	58		21:11	68		22:18	66		22:36	66		21:06	55		21:59	67		21:29	67
wo	7-9			3:02		307	03:08		317	04:15		372	04:37		402	3:24		325	03:59		357	03:37		337
wo	7-9				9:13	60		09:19	70		10:30	70		10:48	70		9:17	58		10:10	70		09:40	70
wo	7-9			15:13		313	15:19		323	16:24		380	16:46		410	15:34		328	16:09		360	15:47		340
wo	7-9				21:35	68		21:41	78		22:49	77		23:07	77		21:38	65		22:31	77		22:01	77
do	8-9			3:41		303	03:47		313	04:54		368	05:16		398	4:02		320	04:37		352	04:15		332
do	8-9				9:47	70		09:53	80		11:03	90		11:21	90		9:52	68		10:45	80		10:15	80
do	8-9			15:50		303	15:56		313	17:01		370	17:23		400	16:12		317	16:47		349	16:25		329
do	8-9				22:06	85		22:12	95		23:21	98		23:39	98		22:11	84		23:04	96		22:34	96
vr	9-9			4:22		297	04:28		307	05:31		360	05:53		390	4:41		313	05:16		345	04:54		325
vr	9-9				10:24	90		10:30	100		11:38	100		11:56	100		10:30	88		11:23	100		10:53	100
vr	9-9	13:49	EK	16:32		293	16:38		303	17:37		359	17:59		389	16:52		305	17:27		337	17:05		317
vr	9-9				22:40	103		22:46	113		23:56	118					22:45	104		23:38	116		23:08	116

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	10-9			5:06		293	05:12		303	06:09		356		00:14	110	5:22		306	05:57		338	05:35		318
za	10-9				11:10	110		11:16	120		12:18	120	06:31		386		11:16	108		12:09	120		11:39	120
za	10-9			17:23		285	17:29		295	18:21		351		12:36	126	17:40		296	18:15		328	17:53		308
za	10-9				23:29	118		23:35	128			130	18:43		381		23:34	119			130		23:57	131
zo	11-9			6:01		294	06:07		304		00:38	130		00:56	130	6:12		305		00:27	130	06:25		317
zo	11-9				12:09	120		12:15	130	06:58		358	07:20		388		12:14	118	06:47		337		12:37	130
zo	11-9			18:25		283	18:31		293		13:08	139		13:26	139	18:36		293		13:07	134	18:49		305
zo	11-9									19:23		350	19:45		380			118	19:11		325			130
ma	12-9				0:33	120		00:39	130		01:34	140		01:52	140		0:37	118		01:30	130		01:00	130
ma	12-9			7:06		302	07:12		312	08:05		367	08:27		397	7:12		310	07:47		342	07:25		322
ma	12-9				13:20	120		13:26	130		14:12	143		14:30	143		13:21	119		14:14	131		13:44	131
ma	12-9			19:36		288	19:42		298	20:39		356	21:01		386	19:42		297	20:17		329	19:55		309
di	13-9				1:46	110		01:52	120		02:44	130		03:02	130		1:45	108		02:38	120		02:08	120
di	13-9			8:21		314	08:27		324	09:23		381	09:45		411	8:26		322	09:01		354	08:39		334
di	13-9				14:38	104		14:44	114		15:38	132		15:56	132		14:35	104		15:28	116		14:58	116
di	13-9			20:56		298	21:02		308	21:56		367	22:18		397	21:00		306	21:35		338	21:13		318
wo	14-9				3:03	90		03:09	100		04:15	110		04:33	110		2:59	88		03:52	100		03:22	100
wo	14-9			9:37		328	09:43		338	10:41		397	11:03		427	9:46		337	10:21		369	09:59		349
wo	14-9				15:55	81		16:01	91		17:05	101		17:23	101		16:00	79		16:53	91		16:23	91
wo	14-9			22:12		307	22:18		317	23:16		378	23:38		408	22:20		318	22:55		350	22:33		330
do	15-9				4:15	70		04:21	80		05:27	80		05:45	80		4:22	68		05:15	80		04:45	80
do	15-9			10:39		336	10:45		346	11:48		408	12:10		438	10:48		349	11:23		381	11:01		361
do	15-9				16:59	59		17:05	69		18:06	71		18:24	71		17:04	54		17:57	66		17:27	66
do	15-9			23:12		310	23:18		320			382			412	23:21		325	23:56		357	23:34		337
vr	16-9				5:16	60		05:22	70	00:23		382	00:45		412		5:23	48		06:16	60		05:46	60
vr	16-9			11:30		336	11:36		346		06:24	60		06:42	60	11:40		353	12:15		385	11:53		365
vr	16-9				17:53	44		17:59	54	12:43		409	13:05		439		17:56	36		18:49	48		18:19	48
vr	16-9	21:05 VM									18:58	53		19:16	53									
za	17-9			0:01		306	0:07		316	01:16		377	01:38		407	0:10		324	0:45		356	0:23		336
za	17-9				6:07	40		06:13	50		07:13	50		07:31	50		6:12	38		07:05	50		06:35	50
za	17-9			12:13		331	12:19		341	13:28		402	13:50		432	12:25		351	13:00		383	12:38		363
za	17-9				18:40	34		18:46	44		19:44	42		20:02	42		18:42	26		19:35	38		19:05	38
zo	18-9			0:44		301	0:50		311	02:00		368	02:22		398	0:54		321	01:29		353	01:07		333
zo	18-9				6:53	40		06:59	50		07:58	40		08:16	40		6:57	28		07:50	40		07:20	40
zo	18-9			12:51		329	12:57		339	14:07		397	14:29		427	13:07		350	13:42		382	13:20		362
zo	18-9				19:23	28		19:29	38		20:27	33		20:45	33		19:25	21		20:18	33		19:48	33

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
ma	19-9			1:20		299	01:26		309	02:37		364	02:59		394	1:35		320	02:10		352	01:48		332
ma	19-9				7:35	30		07:41	40		08:41	30		08:59	30		7:38	18		08:31	30		08:01	30
ma	19-9			13:29		332	13:35		342	14:43		399	15:05		429	13:48		352	14:23		384	14:01		364
ma	19-9				20:05	23		20:11	33		21:09	26		21:27	26		20:06	18		20:59	30		20:29	30
di	20-9			1:57		302	02:03		312	03:09		367	03:31		397	2:16		322	02:51		354	02:29		334
di	20-9				8:16	20		08:22	30		09:23	20		09:41	20		8:18	18		09:11	30		08:41	30
di	20-9			14:11		335	14:17		345	15:21		404	15:43		434	14:30		353	15:05		385	14:43		365
di	20-9				20:45	23		20:51	33		21:50	25		22:08	25		20:44	19		21:37	31		21:07	31
wo	21-9			2:38		306	02:44		316	03:46		373	04:08		403	2:57		324	03:32		356	03:10		336
wo	21-9				8:56	20		09:02	30		10:06	20		10:24	20		8:56	8		09:49	20		09:19	20
wo	21-9			14:58		331	15:04		341	16:06		402	16:28		432	15:14		348	15:49		380	15:27		360
wo	21-9				21:25	30		21:31	40		22:31	34		22:49	34		21:23	26		22:16	38		21:46	38
do	22-9			3:23		305	03:29		315	04:30		374	04:52		404	3:41		320	04:16		352	03:54		332
do	22-9				9:37	20		09:43	30		10:48	30		11:06	30		9:36	18		10:29	30		09:59	30
do	22-9			15:47		317	15:53		327	16:55		388	17:17		418	16:02		332	16:37		364	16:15		344
do	22-9				22:04	45		22:10	55		23:12	55		23:30	55		22:01	41		22:54	53		22:24	53
vr	23-9			4:12		296	04:18		306	05:18		365	05:40		395	4:28		309	05:03		341	04:41		321
vr	23-9	11:56	LK		10:20	40		10:26	50		11:32	50		11:50	50		10:19	38		11:12	50		10:42	50
vr	23-9			16:42		296	16:48		306	17:49		366	18:11		396	16:54		309	17:29		341	17:07		321
vr	23-9				22:45	64		22:51	74		23:54	81			80		22:44	62		23:37	74		23:07	74
za	24-9			5:06		284	05:12		294	06:12		352		00:12	80	5:21		294	05:56		326	05:34		306
za	24-9				11:12	60		11:18	70		12:23	80	06:34		382		11:14	58		12:07	70		11:37	70
za	24-9			17:45		277	17:51		287	18:50		343		12:41	81	17:58		287	18:33		319	18:11		299
za	24-9				23:45	83		23:51	93			100	19:12		373									
zo	25-9			6:10		276	06:16		286		00:50	100		01:08	100		23:55	78		00:48	90		0:18	90
zo	25-9				12:41	70		12:47	80	07:13		341	07:35		371	6:27		283	07:02		315	06:40		295
zo	25-9			18:57		268	19:03		278		13:38	100		13:56	100		12:49	73		13:42	85		13:12	85
zo	25-9									20:03		332	20:25		362	19:13		277	19:48		309	19:26		289
ma	26-9				1:22	80		01:28	90		02:17	110		02:35	110		1:27	78		02:20	90		01:50	90
ma	26-9			7:25		278	07:31		288	08:35		342	08:57		372	7:44		285	08:19		317	07:57		297
ma	26-9				14:00	70		14:06	80		14:57	98		15:15	98		14:05	70		14:58	82		14:28	82
ma	26-9			20:20		274	20:26		284	21:25		340	21:47		370	20:33		284	21:08		316	20:46		296
di	27-9				2:33	70		02:39	80		03:33	100		03:51	100		2:37	78		03:30	90		03:00	90
di	27-9			8:48		293	08:54		303	09:53		362	10:15		392	9:01		303	09:36		335	09:14		315
di	27-9				15:14	58		15:20	68		16:16	80		16:34	80		15:19	58		16:12	70		15:42	70
di	27-9			21:33		293	21:39		303	22:35		361	22:57		391	21:45		304	22:20		336	21:58		316

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"E			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	28-9				3:45	60		03:51	70		04:48	70		05:06	70		3:51	58		04:44	70		04:14	70
wo	28-9			9:54		315	10:00		325	10:57		387	11:19		417	10:05		327	10:40		359	10:18		339
wo	28-9				16:29	43		16:35	53		17:29	54		17:47	54		16:31	43		17:24	55		16:54	55
wo	28-9			22:32		310	22:38		320	23:40		380				22:44		324	23:19		356	22:57		336
do	29-9				4:51	50		04:57	60		05:52	50	00:02		410		4:54	48		05:47	60		05:17	60
do	29-9			10:47		329	10:53		339	11:55		402		06:10	50	11:00		343	11:35		375	11:13		355
do	29-9				17:23	35		17:29	45		18:24	38	12:17		432		17:24	34		18:17	46		17:47	46
do	29-9			23:23		316	23:29		326			387		18:42	38	23:34		333				23:47		345
vr	30-9				5:42	40		05:48	50	00:44		387	01:06		417		5:44	38	0:09		365		06:07	50
vr	30-9			11:33		330	11:39		340		06:44	40		07:02	40	11:47		347		06:37	50	12:00		359
vr	30-9				18:07	39		18:13	49	12:47		401	13:09		431		18:08	37	12:22		379		18:31	49
vr	30-9									19:10		41		19:28	41					19:01	49			

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	1-10	2:11	NM	0:05		312	0:11		322	01:34		379	01:56		409	0:17		331	0:52		363	0:30		343
za	1-10				6:24	50		06:30	60		07:27	50		07:45	50		6:26	38		07:19	50		06:49	50
za	1-10			12:08		322	12:14		332	13:23		389	13:45		419	12:27		339	13:02		371	12:40		351
za	1-10				18:44	50		18:50	60		19:49	57		20:07	57		18:46	47		19:39	59		19:09	59
zo	2-10			0:34		304	0:40		314	02:00		366	02:22		396	0:51		324	01:26		356	01:04		336
zo	2-10				6:58	60		07:04	70		08:03	70		08:21	70		7:00	48		07:53	60		07:23	60
zo	2-10			12:36		314	12:42		324	13:41		379	14:03		409	12:59		331	13:34		363	13:12		343
zo	2-10				19:14	58		19:20	68		20:22	70		20:40	70		19:16	55		20:09	67		19:39	67
ma	3-10			0:53		304	0:59		314	01:57		364	02:19		394	1:17		322	01:52		354	01:30		334
ma	3-10				7:25	60		07:31	70		08:33	70		08:51	70		7:28	58		08:21	70		07:51	70
ma	3-10			13:02		314	13:08		324	14:07		380	14:29		410	13:26		329	14:01		361	13:39		341
ma	3-10				19:39	58		19:45	68		20:50	70		21:08	70		19:41	56		20:34	68		20:04	68
di	4-10			1:20		311	01:26		321	02:26		376	02:48		406	1:45		328	02:20		360	01:58		340
di	4-10				7:48	60		07:54	70		09:01	70		09:19	70		7:52	58		08:45	70		08:15	70
di	4-10			13:34		318	13:40		328	14:41		387	15:03		417	13:57		332	14:32		364	14:10		344
di	4-10				20:05	55		20:11	65		21:18	64		21:36	64		20:08	54		21:01	66		20:31	66
wo	5-10			1:55		319	02:01		329	03:04		387	03:26		417	2:18		336	02:53		368	02:31		348
wo	5-10				8:16	50		08:22	60		09:32	60		09:50	60		8:20	58		09:13	70		08:43	70
wo	5-10			14:11		319	14:17		329	15:21		389	15:43		419	14:32		334	15:07		366	14:45		346
wo	5-10				20:35	61		20:41	71		21:47	68		22:05	68		20:38	60		21:31	72		21:01	72
do	6-10			2:34		321	02:40		331	03:46		389	04:08		419	2:55		338	03:30		370	03:08		350
do	6-10				8:49	60		08:55	70		10:05	70		10:23	70		8:53	58		09:46	70		09:16	70
do	6-10			14:49		313	14:55		323	16:00		383	16:22		413	15:08		328	15:43		360	15:21		340
do	6-10				21:04	78		21:10	88		22:18	86		22:36	86		21:08	77		22:01	89		21:31	89
vr	7-10			3:11		316	03:17		326	04:24		382	04:46		412	3:31		332	04:06		364	03:44		344
vr	7-10				9:21	80		09:27	90		10:37	90		10:55	90		9:27	78		10:20	90		09:50	90
vr	7-10			15:23		303	15:29		313	16:35		370	16:57		400	15:43		317	16:18		349	15:56		329
vr	7-10				21:28	99		21:34	109		22:48	111		23:06	111		21:35	99		22:28	111		21:58	111
za	8-10			3:44		310	03:50		320	04:57		373	05:19		403	4:04		325	04:39		357	04:17		337
za	8-10				9:53	100		09:59	110		11:10	110		11:28	110		10:00	98		10:53	110		10:23	110
za	8-10			15:59		293	16:05		303	17:08		358	17:30		388	16:20		307	16:55		339	16:33		319
za	8-10				21:54	115		22:00	125		23:21	129		23:39	129		21:58	117		22:51	129		22:21	129
zo	9-10	6:33	EK	4:22		307	04:28		317	05:30		370	05:52		400	4:40		320	05:15		352	04:53		332
zo	9-10				10:34	110		10:40	120		11:47	120		12:05	120		10:40	118		11:33	130		11:03	130
zo	9-10			16:47		287	16:53		297	17:48		353	18:10		383	17:05		300	17:40		332	17:18		312
zo	9-10				22:42	123		22:48	133			130			130		22:43	127		23:36	139		23:06	139

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	10-10			5:14		309	05:20		319		00:02	130		00:20	130	5:28		321	06:03		353	05:41		333
ma	10-10				11:32	120		11:38	130	06:14		373	06:36		403		11:37	118		12:30	130		12:00	130
ma	10-10			17:47		287	17:53		297		12:35	133		12:53	133	18:00		299	18:35		331	18:13		311
ma	10-10				23:51	124		23:57	134	18:43		353	19:05		383									
di	11-10			6:17		314	06:23		324		00:56	130		01:14	130		23:56	118		00:49	130		0:19	130
di	11-10				12:41	110		12:47	120	07:17		379	07:39		409	6:26		325	07:01		357	06:39		337
di	11-10			18:58		292	19:04		302		13:35	130		13:53	130		12:44	115		13:37	127		13:07	127
di	11-10									20:04		358	20:26		388	19:04		303	19:39		335	19:17		315
wo	12-10				1:04	110		01:10	120		02:02	130		02:20	130		1:06	108		01:59	120		01:29	120
wo	12-10			7:31		321	07:37		331	08:43		387	09:05		417	7:34		332	08:09		364	07:47		344
wo	12-10				13:56	97		14:02	107		14:51	120		15:09	120		13:56	97		14:49	109		14:19	109
wo	12-10			20:22		301	20:28		311	21:27		369	21:49		399	20:21		311	20:56		343	20:34		323
do	13-10				2:20	90		02:26	100		03:23	110		03:41	110		2:19	88		03:12	100		02:42	100
do	13-10			8:56		330	09:02		340	10:03		399	10:25		429	9:00		341	09:35		373	09:13		353
do	13-10				15:13	74		15:19	84		16:20	94		16:38	94		15:18	73		16:11	85		15:41	85
do	13-10			21:42		310	21:48		320	22:47		381	23:09		411	21:47		322	22:22		354	22:00		334
vr	14-10				3:35	70		03:41	80		04:46	90		05:04	90		3:42	68		04:35	80		04:05	80
vr	14-10			10:05		336	10:11		346	11:13		408	11:35		438	10:14		350	10:49		382	10:27		362
vr	14-10				16:22	55		16:28	65		17:29	67		17:47	67		16:29	50		17:22	62		16:52	62
vr	14-10			22:44		314	22:50		324	23:54		387			417	22:51		329	23:26		361	23:04		341
za	15-10				4:41	60		04:47	70		05:50	70	00:16		417		4:51	58		05:44	70		05:14	70
za	15-10			10:59		336	11:05		346	12:10		408		06:08	70	11:10		353	11:45		385	11:23		365
za	15-10				17:20	42		17:26	52		18:25	51	12:32		438		17:26	36		18:19	48		17:49	48
za	15-10			23:34		311	23:40		321					18:43	51	23:43		330			362	23:56		342
zo	16-10	6:23	VM		5:37	50		05:43	60	00:47		383	01:09		413		5:45	38	0:18		362		06:08	50
zo	16-10			11:44		332	11:50		342		06:44	60		07:02	60	11:58		352		06:38	50	12:11		364
zo	16-10				18:11	35		18:17	45	12:58		402	13:20		432		18:15	28	12:33		384		18:38	40
zo	16-10										19:15	42		19:33	42					19:08	40			
ma	17-10			0:15		307	0:21		317	01:31		376	01:53		406	0:28		328	01:03		360	0:41		340
ma	17-10				6:27	40		06:33	50		07:33	40		07:51	40		6:32	28		07:25	40		06:55	40
ma	17-10			12:24		331	12:30		341	13:40		399	14:02		429	12:43		351	13:18		383	12:56		363
ma	17-10				18:57	29		19:03	39		20:02	35		20:20	35		19:00	25		19:53	37		19:23	37
di	18-10			0:52		308	0:58		318	02:08		374	02:30		404	1:10		328	01:45		360	01:23		340
di	18-10				7:13	30		07:19	40		08:19	30		08:37	30		7:16	18		08:09	30		07:39	30
di	18-10			13:06		333	13:12		343	14:20		399	14:42		429	13:26		352	14:01		384	13:39		364
di	18-10				19:41	25		19:47	35		20:46	28		21:04	28		19:42	22		20:35	34		20:05	34

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	19-10			1:30		313	01:36		323	02:43		379	03:05		409	1:52		332	02:27		364	02:05		344
wo	19-10				7:57	20		08:03	30		09:05	20		09:23	20		7:59	8		08:52	20		08:22	20
wo	19-10			13:52		332	13:58		342	15:03		400	15:25		430	14:12		350	14:47		382	14:25		362
wo	19-10				20:24	25		20:30	35		21:29	28		21:47	28		20:23	24		21:16	36		20:46	36
do	20-10			2:14		317	02:20		327	03:22		384	03:44		414	2:35		333	03:10		365	02:48		345
do	20-10				8:41	10		08:47	20		09:50	20		10:08	20		8:40	8		09:33	20		09:03	20
do	20-10			14:41		324	14:47		334	15:49		393	16:11		423	14:58		341	15:33		373	15:11		353
do	20-10				21:06	35		21:12	45		22:12	40		22:30	40		21:02	33		21:55	45		21:25	45
vr	21-10			3:00		314	03:06		324	04:06		383	04:28		413	3:20		329	03:55		361	03:33		341
vr	21-10				9:25	20		09:31	30		10:35	30		10:53	30		9:22	18		10:15	30		09:45	30
vr	21-10			15:32		307	15:38		317	16:38		376	17:00		406	15:48		323	16:23		355	16:01		335
vr	21-10				21:46	52		21:52	62		22:54	63		23:12	63		21:41	50		22:34	62		22:04	62
za	22-10			3:49		304	03:55		314	04:53		374	05:15		404	4:08		317	04:43		349	04:21		329
za	22-10				10:11	40		10:17	50		11:22	50		11:40	50		10:07	38		11:00	50		10:30	50
za	22-10			16:27		287	16:33		297	17:31		355	17:53		385	16:41		300	17:16		332	16:54		312
za	22-10	21:14	LK		22:26	73		22:32	83		23:36	92		23:54	92		22:22	72		23:15	84		22:45	84
zo	23-10			4:42		293	04:48		303	05:45		362	06:07		392	4:59		303	05:34		335	05:12		315
zo	23-10				11:08	60		11:14	70		12:14	80		12:32	80		11:09	58		12:02	70		11:32	70
zo	23-10			17:27		271	17:33		281	18:29		337	18:51		367	17:41		283	18:16		315	17:54		295
zo	23-10				23:27	92		23:33	102								23:35	92					23:58	104
ma	24-10			5:43		286	05:49		296		00:31	110		00:49	110	6:01		294		00:28	100	06:14		306
ma	24-10				12:24	70		12:30	80	06:45		353	07:07		383		12:29	68	06:36		326		12:52	80
ma	24-10			18:35		267	18:41		277		13:20	99		13:38	99	18:49		278		13:22	88	19:02		290
ma	24-10									19:40		332	20:02		362				19:24		310			
di	25-10				0:54	90		01:00	100		01:48	120		02:06	120		0:58	88		01:51	100		01:21	100
di	25-10			6:53		289	06:59		299	08:02		355	08:24		385	7:13		297	07:48		329	07:26		309
di	25-10				13:33	74		13:39	84		14:29	99		14:47	99		13:36	74		14:29	86		13:59	86
di	25-10			19:53		277	19:59		287	21:00		343	21:22		373	20:02		287	20:37		319	20:15		299
wo	26-10				2:02	80		02:08	90		03:00	110		03:18	110		2:05	88		02:58	100		02:28	100
wo	26-10			8:15		302	08:21		312	09:23		372	09:45		402	8:27		312	09:02		344	08:40		324
wo	26-10				14:39	64		14:45	74		15:39	86		15:57	86		14:43	66		15:36	78		15:06	78
wo	26-10			21:07		295	21:13		305	22:10		365	22:32		395	21:15		305	21:50		337	21:28		317
do	27-10				3:10	70		03:16	80		04:12	90		04:30	90		3:15	68		04:08	80		03:38	80
do	27-10			9:25		319	09:31		329	10:29		392	10:51		422	9:35		330	10:10		362	09:48		342
do	27-10				15:52	52		15:58	62		16:53	65		17:11	65		15:57	54		16:50	66		16:20	66
do	27-10			22:07		311	22:13		321	23:14		383	23:36		413	22:17		323	22:52		355	22:30		335

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
vr	28-10				4:19	60		04:25	70		05:20	70		05:38	70		4:24	58		05:17	70		04:47	70
vr	28-10			10:21		327	10:27		337	11:27		401	11:49		431	10:33		340	11:08		372	10:46		352
vr	28-10				16:51	44		16:57	54		17:52	50		18:10	50		16:54	45		17:47	57		17:17	57
vr	28-10			22:58		315	23:04		325			386			416	23:08		331	23:43		363	23:21		343
za	29-10				5:13	50		05:19	60	00:13		386	00:35		416		5:17	48		06:10	60		05:40	60
za	29-10			11:07		322	11:13		332		06:13	60		06:31	60	11:21		338	11:56		370	11:34		350
za	29-10				17:36	46		17:42	56	12:18		393	12:40		423		17:39	45		18:32	57		18:02	57
za	29-10			23:37		309	23:43		319		18:39	50		18:57	50									
zo	30-10				4:56	57		05:02	67	00:59		376	01:21		406	23:50		328	0:25		360	0:03		340
zo	30-10			10:40		311	10:46		321		05:57	63		06:15	63		4:59	53		05:52	65		05:22	65
zo	30-10	18:38	NM		17:12	54		17:18	64	11:51		377	12:13		407	11:01		328	11:36		360	11:14		340
zo	30-10			23:00		304	23:06		314		18:17	61		18:35	61									
ma	31-10				5:29	61		05:35	71	00:11		366	00:33		396		5:33	58		06:26	70		05:56	70
ma	31-10			11:04		304	11:10		314		06:33	70		06:51	70	11:31		319	12:06		351	11:44		331
ma	31-10				17:40	57		17:46	67	12:08		369	12:30		399		17:44	56		18:37	68		18:07	68
ma	31-10			23:19		308	23:25		318		18:49	69		19:07	69	23:46		324			356	23:59		336

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	1-11				5:56	60		06:02	70	00:24		372	00:46		402		6:00	59	0:21		356		06:23	71
di	1-11			11:32		308	11:38		318		07:05	69		07:23	69	11:59		321		06:53	71	12:12		333
di	1-11				18:07	55		18:13	65	12:36		375	12:58		405		18:10	55	12:34		353		18:33	67
di	1-11			23:50		320	23:56		330		19:19	66		19:37	66			335		19:03	67			347
wo	2-11				6:23	55		06:29	65	00:57		388	01:19		418	0:16		335	0:51		367	0:29		347
wo	2-11			12:09		315	12:15		325		07:35	62		07:53	62		6:27	56		07:20	68		06:50	68
wo	2-11				18:37	54		18:43	64	13:15		386	13:37		416	12:32		327	13:07		359	12:45		339
wo	2-11										19:49	61		20:07	61		18:40	56		19:33	68		19:03	68
do	3-11			0:30		329	0:36		339	01:39		401	02:01		431	0:52		344	01:27		376	01:05		356
do	3-11				6:55	56		07:01	66		08:08	60		08:26	60		6:59	58		07:52	70		07:22	70
do	3-11			12:51		317	12:57		327	13:59		390	14:21		420	13:10		330	13:45		362	13:23		342
do	3-11				19:10	64		19:16	74		20:21	68		20:39	68		19:13	65		20:06	77		19:36	77
vr	4-11			1:11		331	01:17		341	02:21		403	02:43		433	1:30		346	02:05		378	01:43		358
vr	4-11				7:29	68		07:35	78		08:43	73		09:01	73		7:33	69		08:26	81		07:56	81
vr	4-11			13:31		311	13:37		321	14:40		383	15:02		413	13:47		325	14:22		357	14:00		337
vr	4-11				19:39	82		19:45	92		20:53	89		21:11	89		19:44	84		20:37	96		20:07	96
za	5-11			1:47		325	01:53		335	02:59		395	03:21		425	2:05		340	02:40		372	02:18		352
za	5-11				8:02	86		08:08	96		09:16	94		09:34	94		8:07	87		09:00	99		08:30	99
za	5-11			14:05		299	14:11		309	15:17		369	15:39		399	14:22		314	14:57		346	14:35		326
za	5-11				20:02	101		20:08	111		21:23	111		21:41	111		20:11	104		21:04	116		20:34	116
zo	6-11			2:17		318	02:23		328	03:32		385	03:54		415	2:35		333	03:10		365	02:48		345
zo	6-11				8:33	100		08:39	110		09:49	111		10:07	111		8:41	102		09:34	114		09:04	114
zo	6-11			14:39		290	14:45		300	15:50		357	16:12		387	14:58		303	15:33		335	15:11		315
zo	6-11				20:29	111		20:35	121		21:56	122		22:14	122		20:35	116		21:28	128		20:58	128
ma	7-11			2:52		316	02:58		326	04:06		381	04:28		411	3:10		330	03:45		362	03:23		342
ma	7-11				9:12	104		09:18	114		10:26	114		10:44	114		9:19	108		10:12	120		09:42	120
ma	7-11			15:23		285	15:29		295	16:28		351	16:50		381	15:41		299	16:16		331	15:54		311
ma	7-11	20:51 EK			21:16	112		21:22	122		22:37	121		22:55	121		21:20	118		22:13	130		21:43	130
di	8-11			3:42		318	03:48		328	04:49		383	05:11		413	3:57		331	04:32		363	04:10		343
di	8-11				10:07	100		10:13	110		11:12	108		11:30	108		10:12	105		11:05	117		10:35	117
di	8-11			16:21		286	16:27		296	17:20		352	17:42		382	16:34		299	17:09		331	16:47		311
di	8-11				22:23	108		22:29	118		23:29	115		23:47	115		22:28	114		23:21	126		22:51	126
wo	9-11			4:42		321	04:48		331	05:45		386	06:07		416	4:54		333	05:29		365	05:07		345
wo	9-11				11:11	90		11:17	100		12:09	100		12:27	100		11:14	94		12:07	106		11:37	106
wo	9-11			17:28		291	17:34		301	18:37		356	18:59		386	17:35		303	18:10		335	17:48		315
wo	9-11				23:32	99		23:38	109								23:36	103					23:59	115

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	10-11			5:49		323	05:55		333		00:31	111		00:49	111	5:58		335		00:29	115	06:11		347
do	10-11				12:20	77		12:26	87	07:04		388	07:26		418		12:22	79	06:33		367		12:45	91
do	10-11			18:47		297	18:53		307		13:17	92		13:35	92	18:47		309		13:15	91	19:00		321
do	10-11									19:59		365	20:21		395			90	19:22		341			102
vr	11-11				0:43	87		00:49	97		01:45	105		02:03	105		0:45	90		01:38	102		01:08	102
vr	11-11			7:08		325	07:14		335	08:26		393	08:48		423	7:12		337	07:47		369	07:25		349
vr	11-11				13:34	62		13:40	72		14:38	78		14:56	78		13:38	63		14:31	75		14:01	75
vr	11-11			20:08		305	20:14		315	21:15		375	21:37		405	20:11		316	20:46		348	20:24		328
za	12-11				1:57	74		02:03	84		03:07	88		03:25	88		2:04	75		02:57	87		02:27	87
za	12-11			8:25		327	08:31		337	09:36		398	09:58		428	8:35		340	09:10		372	08:48		352
za	12-11				14:44	48		14:50	58		15:51	59		16:09	59		14:52	48		15:45	60		15:15	60
za	12-11			21:12		309	21:18		319	22:22		382	22:44		412	21:20		323	21:55		355	21:33		335
zo	13-11				3:05	62		03:11	72		04:14	70		04:32	70		3:18	60		04:11	72		03:41	72
zo	13-11			9:25		327	09:31		337	10:36		398	10:58		428	9:39		343	10:14		375	09:52		355
zo	13-11				15:45	40		15:51	50		16:51	47		17:09	47		15:53	38		16:46	50		16:16	50
zo	13-11			22:03		309	22:09		319	23:15		381	23:37		411	22:15		326	22:50		358	22:28		338
ma	14-11				4:05	51		04:11	61		05:13	57		05:31	57		4:17	47		05:10	59		04:40	59
ma	14-11			10:14		325	10:20		335	11:27		395	11:49		425	10:32		342	11:07		374	10:45		354
ma	14-11	14:52 VM			16:40	34		16:46	44		17:46	40		18:04	40		16:46	32		17:39	44		17:09	44
ma	14-11			22:46		309	22:52		319	23:59		379			409	23:02		327	23:37		359	23:15		339
di	15-11				5:01	38		05:07	48		06:08	43	00:21		409		5:09	35		06:02	47		05:32	47
di	15-11			11:00		324	11:06		334	12:13		392		06:26	43	11:21		342	11:56		374	11:34		354
di	15-11				17:31	29		17:37	39		18:36	33	12:35		422		17:35	27		18:28	39		17:58	39
di	15-11			23:25		312	23:31		322					18:54	33									
wo	16-11				5:53	24		05:59	34	00:39		380	01:01		410	23:47		330	0:22		362	0:00		342
wo	16-11			11:47		324	11:53		334		06:59	27		07:17	27		5:57	22		06:50	34		06:20	34
wo	16-11				18:19	24		18:25	34	12:59		391	13:21		421	12:09		341	12:44		373	12:22		353
wo	16-11										19:24	29		19:42	29		18:21	24		19:14	36		18:44	36
do	17-11			0:08		318	0:14		328	01:18		385	01:40		415	0:31		334	01:06		366	0:44		346
do	17-11				6:42	13		06:48	23		07:49	15		08:07	15		6:44	13		07:37	25		07:07	25
do	17-11			12:37		320	12:43		330	13:46		388	14:08		418	12:57		337	13:32		369	13:10		349
do	17-11				19:05	25		19:11	35		20:11	30		20:29	30		19:05	26		19:58	38		19:28	38
vr	18-11			0:54		320	01:00		330	02:01		388	02:23		418	1:16		335	01:51		367	01:29		347
vr	18-11				7:30	12		07:36	22		08:37	14		08:55	14		7:30	13		08:23	25		07:53	25
vr	18-11			13:28		311	13:34		321	14:35		378	14:57		408	13:45		327	14:20		359	13:58		339
vr	18-11				19:50	35		19:56	45		20:56	44		21:14	44		19:48	36		20:41	48		20:11	48

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	19-11			1:41		316	01:47		326	02:46		385	03:08		415	2:02		331	02:37		363	02:15		343
za	19-11				8:17	23		08:23	33		09:24	28		09:42	28		8:16	24		09:09	36		08:39	36
za	19-11			14:18		296	14:24		306	15:23		362	15:45		392	14:35		312	15:10		344	14:48		324
za	19-11				20:33	54		20:39	64		21:40	67		21:58	67		20:30	54		21:23	66		20:53	66
zo	20-11			2:29		308	02:35		318	03:32		376	03:54		406	2:49		321	03:24		353	03:02		333
zo	20-11				9:05	42		09:11	52		10:11	52		10:29	52		9:04	43		09:57	55		09:27	55
zo	20-11			15:09		280	15:15		290	16:13		346	16:35		376	15:25		295	16:00		327	15:38		307
zo	20-11				21:14	74		21:20	84		22:23	93		22:41	93		21:12	74		22:05	86		21:35	86
ma	21-11			3:18		299	03:24		309	04:21		367	04:43		397	3:37		310	04:12		342	03:50		322
ma	21-11				9:55	61		10:01	71		10:59	76		11:17	76		9:58	62		10:51	74		10:21	74
ma	21-11	9:33	LK	16:03		270	16:09		280	17:06		335	17:28		365	16:19		283	16:54		315	16:32		295
ma	21-11				22:03	89		22:09	99		23:11	113		23:29	113		22:09	91		23:02	103		22:32	103
di	22-11			4:13		295	04:19		305	05:16		361	05:38		391	4:32		304	05:07		336	04:45		316
di	22-11				10:54	72		11:00	82		11:52	91		12:10	91		10:58	74		11:51	86		11:21	86
di	22-11			17:03		269	17:09		279	18:08		334	18:30		364	17:16		281	17:51		313	17:29		293
di	22-11				23:14	96		23:20	106								23:20	98			110		23:43	110
wo	23-11			5:16		295	05:22		305		00:11	121		00:29	121	5:35		305		00:13	110	05:48		317
wo	23-11				11:54	73		12:00	83	06:22		362	06:44		392		11:58	75	06:10		337		12:21	87
wo	23-11			18:09		276	18:15		286		12:51	93		13:09	93	18:18		287		12:51	87	18:31		299
wo	23-11									19:19		342	19:41		372				18:53		319			
do	24-11				0:21	91		00:27	101		01:17	115		01:35	115		0:24	93		01:17	105		0:47	105
do	24-11			6:27		300	06:33		310	07:39		370	08:01		400	6:42		311	07:17		343	06:55		323
do	24-11				12:55	66		13:01	76		13:53	85		14:11	85		12:57	68		13:50	80		13:20	80
do	24-11			19:22		287	19:28		297	20:28		356	20:50		386	19:27		298	20:02		330	19:40		310
vr	25-11				1:25	80		01:31	90		02:23	101		02:41	101		1:28	82		02:21	94		01:51	94
vr	25-11			7:41		306	07:47		316	08:48		378	09:10		408	7:51		318	08:26		350	08:04		330
vr	25-11				13:58	58		14:04	68		15:00	74		15:18	74		14:01	60		14:54	72		14:24	72
vr	25-11			20:28		297	20:34		307	21:32		367	21:54		397	20:36		310	21:11		342	20:49		322
za	26-11				2:32	69		02:38	79		03:32	85		03:50	85		2:39	70		03:32	82		03:02	82
za	26-11			8:44		307	08:50		317	09:49		378	10:11		408	8:55		321	09:30		353	09:08		333
za	26-11				15:03	53		15:09	63		16:06	64		16:24	64		15:09	54		16:02	66		15:32	66
za	26-11			21:21		301	21:27		311	22:28		369	22:50		399	21:32		316	22:07		348	21:45		328
zo	27-11				3:35	61		03:41	71		04:34	72		04:52	72		3:42	60		04:35	72		04:05	72
zo	27-11			9:33		300	09:39		310	10:40		369	11:02		399	9:49		316	10:24		348	10:02		328
zo	27-11				15:55	52		16:01	62		16:59	61		17:17	61		16:01	52		16:54	64		16:24	64
zo	27-11			22:00		298	22:06		308	23:10		364	23:32		394	22:15		316	22:50		348	22:28		328

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0			53°37'27"N 6°54'21"E			53°32'57"N,7°02'09"E			53°40'21"N 6°59'45"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	1-12				6:01	52		06:07	62	00:33		392	00:55		422	23:51		336	0:26		368	0:04		348
do	1-12			11:48		307	11:54		317		07:12	56		07:30	56		6:05	53		06:58	65		06:28	65
do	1-12				18:14	53		18:20	63	12:53		378	13:15		408	12:12		319	12:47		351	12:25		331
do	1-12										19:25	60		19:43	60		18:17	56		19:10	68		18:40	68
vr	2-12			0:08		331	0:14		341	01:16		404	01:38		434	0:30		346	01:05		378	0:43		358
vr	2-12				6:37	53		06:43	63		07:48	55		08:06	55		6:41	55		07:34	67		07:04	67
vr	2-12			12:33		310	12:39		320	13:39		383	14:01		413	12:52		323	13:27		355	13:05		335
vr	2-12				18:48	61		18:54	71		19:59	66		20:17	66		18:52	63		19:45	75		19:15	75
za	3-12			0:50		332	0:56		342	01:58		405	02:20		435	1:08		347	01:43		379	01:21		359
za	3-12				7:13	61		07:19	71		08:24	65		08:42	65		7:17	63		08:10	75		07:40	75
za	3-12			13:14		304	13:20		314	14:21		377	14:43		407	13:31		318	14:06		350	13:44		330
za	3-12				19:20	75		19:26	85		20:32	81		20:50	81		19:26	77		20:19	89		19:49	89
zo	4-12			1:26		325	01:32		335	02:35		397	02:57		427	1:43		341	02:18		373	01:56		353
zo	4-12				7:47	73		07:53	83		08:58	79		09:16	79		7:53	74		08:46	86		08:16	86
zo	4-12			13:50		293	13:56		303	14:57		363	15:19		393	14:05		307	14:40		339	14:18		319
zo	4-12				19:46	87		19:52	97		21:03	95		21:21	95		19:56	89		20:49	101		20:19	101
ma	5-12			1:55		319	02:01		329	03:09		388	03:31		418	2:13		334	02:48		366	02:26		346
ma	5-12				8:20	80		08:26	90		09:32	88		09:50	88		8:27	81		09:20	93		08:50	93
ma	5-12			14:23		283	14:29		293	15:31		352	15:53		382	14:40		298	15:15		330	14:53		310
ma	5-12				20:17	90		20:23	100		21:37	99		21:55	99		20:28	94		21:21	106		20:51	106
di	6-12			2:31		317	02:37		327	03:44		385	04:06		415	2:49		332	03:24		364	03:02		344
di	6-12				8:57	79		09:03	89		10:09	85		10:27	85		9:05	81		09:58	93		09:28	93
di	6-12			15:05		280	15:11		290	16:10		346	16:32		376	15:22		295	15:57		327	15:35		307
di	6-12				21:02	86		21:08	96		22:18	93		22:36	93		21:10	92		22:03	104		21:33	104
wo	7-12			3:18		317	03:24		327	04:26		385	04:48		415	3:34		332	04:09		364	03:47		344
wo	7-12	10:03	EK		9:46	71		09:52	81		10:53	76		11:11	76		9:51	74		10:44	86		10:14	86
wo	7-12			15:57		281	16:03		291	16:58		346	17:20		376	16:11		296	16:46		328	16:24		308
wo	7-12				22:00	80		22:06	90		23:07	86		23:25	86		22:06	86		22:59	98		22:29	98
do	8-12			4:13		318	04:19		328	05:17		384	05:39		414	4:27		333	05:02		365	04:40		345
do	8-12				10:42	63		10:48	73		11:45	70		12:03	70		10:46	67		11:39	79		11:09	79
do	8-12			16:57		283	17:03		293	18:03		347	18:25		377	17:08		297	17:43		329	17:21		309
do	8-12				23:01	76		23:07	86								23:06	81		23:59	93		23:29	93
vr	9-12			5:13		316	05:19		326		00:03	85		00:21	85	5:26		330	06:01		362	05:39		342
vr	9-12				11:44	58		11:50	68	06:23		380	06:45		410		11:48	61		12:41	73		12:11	73
vr	9-12			18:07		285	18:13		295		12:46	69		13:04	69	18:13		298	18:48		330	18:26		310
vr	9-12									19:24		350	19:46		380									

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"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	10-12				0:07	73		00:13	83		01:10	88		01:28	88		0:11	77		01:04	89		0:34	89
za	10-12			6:21		311	06:27		321	07:45		376	08:07		406	6:32		325	07:07		357	06:45		337
za	10-12				12:55	54		13:01	64		14:00	68		14:18	68		13:00	57		13:53	69		13:23	69
za	10-12			19:25		287	19:31		297	20:38		354	21:00		384	19:32		300	20:07		332	19:45		312
zo	11-12				1:20	68		01:26	78		02:30	84		02:48	84		1:28	72		02:21	84		01:51	84
zo	11-12			7:40		308	07:46		318	08:59		375	09:21		405	7:54		321	08:29		353	08:07		333
zo	11-12				14:08	48		14:14	58		15:15	58		15:33	58		14:17	50		15:10	62		14:40	62
zo	11-12			20:36		291	20:42		301	21:47		360	22:09		390	20:48		304	21:23		336	21:01		316
ma	12-12				2:31	59		02:37	69		03:41	69		03:59	69		2:46	60		03:39	72		03:09	72
ma	12-12			8:51		307	08:57		317	10:04		375	10:26		405	9:10		321	09:45		353	09:23		333
ma	12-12				15:12	41		15:18	51		16:18	48		16:36	48		15:22	42		16:15	54		15:45	54
ma	12-12			21:33		294	21:39		304	22:43		364	23:05		394	21:48		310	22:23		342	22:01		322
di	13-12				3:36	46		03:42	56		04:45	54		05:03	54		3:51	45		04:44	57		04:14	57
di	13-12			9:50		306	09:56		316	11:00		375	11:22		405	10:11		322	10:46		354	10:24		334
di	13-12				16:12	35		16:18	45		17:18	41		17:36	41		16:21	35		17:14	47		16:44	47
di	13-12			22:21		299	22:27		309	23:31		369	23:53		399	22:40		315	23:15		347	22:53		327
wo	14-12	1:06 VM			4:41	32		04:47	42		05:48	38		06:06	38		4:50	30		05:43	42		05:13	42
wo	14-12			10:44		307	10:50		317	11:51		375	12:13		405	11:05		324	11:40		356	11:18		336
wo	14-12				17:10	28		17:16	38		18:16	34		18:34	34		17:16	28		18:09	40		17:39	40
wo	14-12			23:06		306	23:12		316							23:27		322			354	23:40		334
do	15-12				5:41	16		05:47	26	00:15		375	00:37		405		5:44	16	0:02		354		06:07	28
do	15-12			11:36		308	11:42		318		06:47	21		07:05	21	11:56		324		06:37	28	12:09		336
do	15-12				18:04	22		18:10	32	12:42		374	13:04		404		18:06	23	12:31		356		18:29	35
do	15-12			23:53		312	23:59		322		19:09	30		19:27	30					18:59	35			
vr	16-12				6:33	7		06:39	17	01:00		380	01:22		410	0:14		327	0:49		359	0:27		339
vr	16-12			12:27		305	12:33		315		07:39	10		07:57	10		6:35	8		07:28	20		06:58	20
vr	16-12				18:53	24		18:59	34	13:34		371	13:56		401	12:45		322	13:20		354	12:58		334
vr	16-12					314			324		19:58	32		20:16	32		18:54	25		19:47	37		19:17	37
za	17-12			0:40		314	0:46		324	01:45		381	02:07		411	1:01		329	01:36		361	01:14		341
za	17-12				7:22	8		07:28	18		08:27	12		08:45	12		7:23	10		08:16	22		07:46	22
za	17-12			13:17		298	13:23		308	14:24		362	14:46		392	13:33		315	14:08		347	13:46		327
za	17-12				19:39	34		19:45	44		20:44	45		21:02	45		19:39	35		20:32	47		20:02	47
zo	18-12			1:26		311	01:32		321	02:30		377	02:52		407	1:46		326	02:21		358	01:59		338
zo	18-12				8:08	22		08:14	32		09:12	27		09:30	27		8:09	23		09:02	35		08:32	35
zo	18-12			14:04		287	14:10		297	15:11		350	15:33		380	14:20		303	14:55		335	14:33		315
zo	18-12				20:20	50		20:26	60		21:26	66		21:44	66		20:21	51		21:14	63		20:44	63

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
ma	19-12			2:11		305	02:17		315	03:14		370	03:36		400	2:31		319	03:06		351	02:44		331
ma	19-12				8:50	41		08:56	51		09:55	50		10:13	50		8:52	42		09:45	54		09:15	54
ma	19-12			14:49		276	14:55		286	15:54		339	16:16		369	15:05		292	15:40		324	15:18		304
ma	19-12				20:58	67		21:04	77		22:06	86		22:24	86		21:00	69		21:53	81		21:23	81
di	20-12			2:54		299	03:00		309	03:57		364	04:19		394	3:14		311	03:49		343	03:27		323
di	20-12				9:31	57		09:37	67		10:36	70		10:54	70		9:34	58		10:27	70		09:57	70
di	20-12			15:34		270	15:40		280	16:38		333	17:00		363	15:50		285	16:25		317	16:03		297
di	20-12				21:33	78		21:39	88		22:45	100		23:03	100		21:38	81		22:31	93		22:01	93
wo	21-12	2:56	LK	3:40		296	03:46		306	04:44		360	05:06		390	4:01		307	04:36		339	04:14		319
wo	21-12				10:15	66		10:21	76		11:20	81		11:38	81		10:19	67		11:12	79		10:42	79
wo	21-12			16:24		269	16:30		279	17:28		332	17:50		362	16:38		283	17:13		315	16:51		295
wo	21-12				22:22	83		22:28	93		23:31	105		23:49	105		22:30	86		23:23	98		22:53	98
do	22-12			4:35		293	04:41		303	05:40		358	06:02		388	4:54		304	05:29		336	05:07		316
do	22-12				11:08	68		11:14	78		12:09	84		12:27	84		11:12	69		12:05	81		11:35	81
do	22-12			17:20		271	17:26		281	18:26		335	18:48		365	17:32		285	18:07		317	17:45		297
do	22-12				23:28	84		23:34	94								23:33	86					23:56	98
vr	23-12			5:38		290	05:44		300		00:28	106		00:46	106	5:54		302		00:26	98	06:07		314
vr	23-12				12:07	67		12:13	77	06:44		356	07:06		386		12:10	67	06:29		334		12:33	79
vr	23-12			18:21		274	18:27		284		13:06	84		13:24	84	18:31		288		13:03	79	18:44		300
vr	23-12									19:30		338	19:52		368				19:06		320			
za	24-12				0:35	80		00:41	90		01:33	101		01:51	101		0:38	81		01:31	93		01:01	93
za	24-12			6:45		285	06:51		295	07:53		351	08:15		381	6:58		298	07:33		330	07:11		310
za	24-12				13:08	64		13:14	74		14:07	82		14:25	82		13:09	65		14:02	77		13:32	77
za	24-12			19:27		277	19:33		287	20:36		341	20:58		371	19:34		290	20:09		322	19:47		302
zo	25-12				1:41	74		01:47	84		02:39	94		02:57	94		1:44	75		02:37	87		02:07	87
zo	25-12			7:54		281	08:00		291	08:59		346	09:21		376	8:05		293	08:40		325	08:18		305
zo	25-12				14:10	62		14:16	72		15:12	79		15:30	79		14:12	63		15:05	75		14:35	75
zo	25-12			20:30		280	20:36		290	21:37		344	21:59		374	20:40		294	21:15		326	20:53		306
ma	26-12				2:47	69		02:53	79		03:47	84		04:05	84		2:56	69		03:49	81		03:19	81
ma	26-12			8:53		277	08:59		287	09:57		340	10:19		370	9:10		290	09:45		322	09:23		302
ma	26-12				15:08	61		15:14	71		16:14	76		16:32	76		15:15	63		16:08	75		15:38	75
ma	26-12			21:16		285	21:22		295	22:26		349	22:48		379	21:33		300	22:08		332	21:46		312
di	27-12				3:44	64		03:50	74		04:45	75		05:03	75		3:52	63		04:45	75		04:15	75
di	27-12			9:36		275	09:42		285	10:39		338	11:01		368	10:00		289	10:35		321	10:13		301
di	27-12				15:56	60		16:02	70		17:05	72		17:23	72		16:04	62		16:57	74		16:27	74
di	27-12			21:52		293	21:58		303	23:01		358	23:23		388	22:14		308	22:49		340	22:27		320

				Borkum, Südstrand			Borkum, Fischerbalje			Knock			Emden, Neue Seeschleuse			Memmert			Leybucht, Leyhörn (Greetsiel)			Juist, Hafen		
maan				53°34'37"N 6°39'41"E			53°33'27"N 6°44'52"E			53°19'59.9"N 7°1'59.9"E			53°20'12.8"N, 7°11'11.0"E			53°37'27"N 6°54'21"E			53°32'57"N, 7°02'09"E			53°40'21"N 6°59'45"E		
dag	datum	tijd	fase	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm	HW	lw	cm
wo	28-12				4:27	60		04:33	70		05:32	68		05:50	68		4:33	60		05:26	72		04:56	72
wo	28-12			10:11		280	10:17		290	11:14		344	11:36		374	10:39		294	11:14		326	10:52		306
wo	28-12				16:38	57		16:44	67		17:48	68		18:06	68		16:44	59		17:37	71		17:07	71
wo	28-12			22:28		306	22:34		316	23:37		372	23:59		402	22:52		320	23:27		352	23:05		332
do	29-12	7:53	NM		5:05	54		05:11	64		06:13	61		06:31	61		5:10	55		06:03	67		05:33	67
do	29-12			10:50		290	10:56		300	11:53		355	12:15		385	11:16		302	11:51		334	11:29		314
do	29-12				17:17	52		17:23	62		18:27	62		18:45	62		17:21	55		18:14	67		17:44	67
do	29-12			23:09		318	23:15		328							23:31		332			364	23:44		344
vr	30-12				5:44	48		05:50	58	00:17		387	00:39		417		5:47	49	0:06		364		06:10	61
vr	30-12			11:34		298	11:40		308		06:52	55		07:10	55	11:56		311		06:40	61	12:09		323
vr	30-12				17:56	49		18:02	59	12:38		365	13:00		395		17:59	51	12:31		343		18:22	63
vr	30-12			23:53		325	23:59		335		19:05	58		19:23	58					18:52	63			
za	31-12				6:22	46		06:28	56	01:00		395	01:22		425	0:12		340	0:47		372	0:25		352
za	31-12			12:19		300	12:25		310		07:31	51		07:49	51		6:25	46		07:18	58		06:48	58
za	31-12				18:33	52		18:39	62	13:23		368	13:45		398	12:36		314	13:11		346	12:49		326
za	31-12			0:34		324	0:40		334		19:41	59		19:59	59		18:37	52		19:30	64		19:00	64