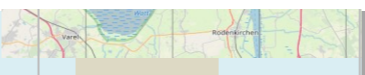


		Vareler Schleuse					Bremerhaven, Alter Leuchtturm					Neuwerk																			
Referentievlak :LAT		53°24'35"N 8°11'18"E					53°32'42.0"N, 8°34'5.2"E					53°55'04"N 8°29'11"E																			
		eigen berekening																													
datum	dag	HW	lw	HW	lw	HW	HW	lw	HW	lw	HW	HW	lw	HW	lw	HW															
1-1	maa	3:54	465	10:23	130	16:25	437	22:29	149			04:02	441	10:33	104	16:37	416	22:38	125			3:20	359	10:21	100	15:58	335	22:24	118		
2-1	din	4:24	468	10:57	126	16:58	434	23:03	147			04:32	446	11:07	99	17:10	414	23:12	121			3:42	362	10:53	100	16:25	332	22:56	117		
3-1	woe	5:00	467	11:34	120	17:39	429	23:43	144			05:07	445	11:42	93	17:52	407	23:51	117			4:16	360	11:27	94	16:58	325	23:33	111		
4-1	don	5:44	456	12:16	120	18:28	420	0:29	144			05:51	433	12:24	93	18:41	397	00:37	118					5:00	349	12:08	90	17:43	315		
5-1	vry			0:29	144	6:38	439	13:05	126	19:25	412			00:37	118	06:44	415	13:12	101	19:39	388			0:18	107	5:53	332	12:57	92	18:37	306
6-1	zat			1:24	149	7:39	423	14:03	135	20:26	410			01:32	123	07:49	398	14:09	112	20:42	387			1:13	106	6:55	316	13:55	96	19:44	303
7-1	zon	01:08 VM		2:30	152	8:45	416	15:09	139	21:28	418			02:38	128	08:58	391	15:17	117	21:45	396			2:16	106	8:07	308	15:00	99	20:58	310
8-1	maa			3:43	147	9:49	420	16:15	132	22:30	434			03:54	122	10:03	396	16:25	111	22:46	412			3:32	102	9:22	312	16:06	95	22:03	326
9-1	din			4:51	132	10:54	431	17:17	119	23:29	454			05:02	107	11:06	406	17:27	97	23:44	430			4:44	90	10:25	323	17:07	85	22:58	343
10-1	woe			5:53	113	11:56	444	18:15	105					06:03	89	12:08	418	18:25	83					5:44	75	11:22	333	18:04	74	23:49	357
11-1	don			0:24	471	6:50	93	12:55	453	19:10	93			00:37	445	07:00	71	13:07	426	19:20	72			6:42	60	12:16	339	19:00	64		
12-1	vry			1:16	481	7:43	76	13:50	456	20:01	85			01:27	452	07:55	55	14:01	426	20:12	64			0:37	364	7:39	47	13:09	338	19:54	57
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14-1	zon			2:50	489	9:20	52	15:28	449	21:34	72			02:57	456	09:35	32	15:39	417	21:47	51			2:11	367	9:24	27	14:50	329	21:32	44
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16-1	din			4:19	501	10:48	46	16:55	443	22:59	64			04:27	468	11:03	27	17:10	415	23:12	44			3:44	373	10:54	25	16:22	322	22:57	38
17-1	woe			5:04	503	11:31	52	17:39	438	23:41	68			05:15	471	11:45	34	17:57	412	23:54	48			4:30	374	11:36	31	17:07	318	23:39	41
18-1	don			5:53	496	12:16	65	18:27	429	0:27	80			06:07	464	12:28	46	18:47	403	00:39	58					5:16	368	12:20	41	17:52	310
19-1	vry			0:27	80	6:47	476	13:06	82	19:22	415			00:39	58	07:03	446	13:16	62	19:41	390			0:24	48	6:05	353	13:08	53	18:41	300
20-1	zat			1:22	96	7:50	449	14:04	99	20:27	402			01:33	72	08:03	422	14:13	78	20:41	378			1:18	58	7:02	331	14:04	64	19:37	291
21-1	zon	21:53 NM		2:30	108	9:01	426	15:12	110	21:38	398			02:39	83	09:09	398	15:19	88	21:50	372			2:28	65	8:06	310	15:09	71	20:43	287
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24-1	woe			6:07	79	12:29	435	18:35	93					00:04	396	06:20	54	12:43	407	18:47	69			6:18	37	12:02	313	18:39	53		
25-1	don			0:44	441	7:05	75	13:20	447	19:27	92			00:55	415	07:17	49	13:31	419	19:38	69			0:17	326	7:10	35	12:52	327	19:24	55
26-1	vry			1:30	454	7:52	83	14:03	450	20:10	101			01:39	428	08:04	59	14:13	424	20:20	80			1:02	340	7:53	46	13:33	335	20:03	65
27-1	zat			2:09	460	8:33	98	14:39	448	20:46	113			02:17	433	08:43	76	14:48	422	20:55	93			1:40	348	8:30	62	14:08	338	20:37	77
28-1	zon	16:19 EK		2:41	463	9:07	108	15:09	446	21:16	119			02:48	435	09:17	86	15:18	420	21:25	99			2:12	351	9:03	74	14:38	338	21:08	85
29-1	maa			3:09	465	9:37	106	15:36	446	21:44	116			03:15	437	09:47	83	15:45	421	21:54	94			2:38	353	9:32	77	15:04	338	21:37	85
30-1	din			3:36	469	10:06	96	16:04	448	22:14	107			03:42	442	10:16	70	16:14	423	22:23	83			2:59	356	10:01	71	15:30	337	22:06	79
31-1	woe			4:05	470	10:36	85	16:35	446	22:44	100			04:11	444	10:46	58	16:46	421	22:54	75			3:25	356	10:28	62	15:56	334	22:35	71
1-2	don			4:38	465	11:06	83	17:06	440	23:15	98			04:45	439	11:16	56	17:20	413	23:26	72			3:55	350	10:56	58	16:23	326	23:05	67
2-2	vry			5:13	454	11:37	91	17:39	430	23:50	104			05:22	427	11:47	64	17:53	402	00:00	78			4:30	338	11:27	62	16:55	316	23:40	69
3-2	zat			5:51	439	12:14	107	18:16	420	0:31	118			00:00	78	06:02	411	12:23	81	18:29	392					5:08	325	12:04	74	17:32	308
4-2	zon			0:31	118	6:38	424	12:59	127	19:07	413			00:41	91	06:51	396	13:08	102	19:21	387			0:21	79	5:55	312	12:52	91	18:25	303
5-2	maa	19:28 VM		1:24	136	7:40	413	14:00	145	20:16	413			01:35	109	07:57	387	14:09	121	20:36	388			1:16	93	7:02	303	13:54	104	19:40	303
6-2	din			2:36	149	8:54	411	15:20	150	21:36	422			02:48	123	09:15	388	15:31	126	21:59	399			2:30	101	8:23	302	15:10	106	21:06	314
7-2	woe			4:06	142	10:15	419	16:43	134	22:56	442			04:19	115	10:33	396	16:54	109	23:14	418			3:58	93	9:45	311	16:30	93	22:23	331
8-2	don			5:29	114	11:36	435	17:57	109	0:05	463			05:38	87	11:51	409	18:06	84					5:18	71	10:59	322	17:44	73	23:28	346
9-2	vry			6:36	82	12:44	449	18:59	85					00:18	435	06:46	58	12:56	421	19:09	62			6:29	46	12:05	330	18:50	53		



Referentievlak :LAT lw

		0:22 later					eigen berekening					0:32 halve																			
datum	dag	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw																
10-2	zat	1:02	478	7:33	56	13:41	456	19:52	67	01:11	446	07:45	34	13:51	425	20:03	45	0:24	355	7:31	25	13:02	332	19:47	36						
11-2	zon	1:53	487	8:24	39	14:31	456	20:40	53	01:59	453	08:37	18	14:39	424	20:52	31	1:14	359	8:25	11	13:51	331	20:37	23						
12-2	maa	2:39	496	9:09	29	15:16	455	21:22	42	02:44	460	09:23	7	15:23	423	21:36	19	2:00	364	9:12	4	14:36	329	21:21	15						
13-2	din	3:22	504	9:51	25	15:57	455	22:03	33	03:28	469	10:06	3	16:06	425	22:18	11	2:45	371	9:55	3	15:19	328	22:02	10						
14-2	woe	4:05	510	10:31	26	16:36	454	22:42	31	04:13	476	10:46	5	16:48	426	22:56	9	3:29	375	10:35	8	16:00	327	22:41	9						
15-2	don	4:47	506	11:09	35	17:14	449	23:21	38	04:58	474	11:23	15	17:30	422	23:33	16	4:13	372	11:11	18	16:39	322	23:17	14						
16-2	vry	5:31	488	11:48	53	17:53	436	0:01	54	05:45	457	11:59	32	18:13	409	00:12	30	4:55	357	11:46	31	17:16	311	23:55	24						
17-2	zat	6:19	458	12:28	78	18:38	416	0:48	76			00:12	30	06:36	429	12:38	56					5:39	332	12:22	47	17:55	297				
18-2	zon			0:48	76	7:17	424	13:19	107	19:35	396			00:57	51	07:32	397	13:28	82	19:55	372	0:38	38	6:31	304	13:07	64	18:50	283		
19-2	maa			1:50	100	8:30	400	14:31	130	20:55	387			01:58	73	08:41	374	14:38	105	21:12	363	1:40	54	7:38	283	14:17	80	20:05	277		
20-2	din			3:14	111	9:53	398	15:59	133	22:20	400			03:22	86	10:08	370	16:07	109	22:38	376	3:13	62	9:03	277	15:54	82	21:45	286		
21-2	woe			4:41	104	11:11	417	17:20	116	23:33	430			04:51	79	11:30	390	17:29	92	23:47	404	4:49	54	10:49	294	17:25	67	23:10	314		
22-2	don			5:56	88	12:16	442	18:24	97					06:06	62	12:30	415	18:33	73			6:03	40	11:51	320	18:23	53				
23-2	vry	0:31	457	6:53	79	13:07	457	19:14	90	00:42	430	07:02	54	13:18	429	19:22	67	0:05	341	6:54	36	12:38	337	19:08	50						
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25-2	zon	1:52	472	8:16	89	14:18	453	20:27	97	01:58	442	08:24	67	14:24	424	20:34	75	1:21	358	8:10	53	13:44	340	20:17	61						
26-2	maa	2:19	469	8:46	88	14:43	452	20:55	92	02:24	440	08:54	64	14:50	425	21:03	68	1:48	355	8:40	55	14:09	340	20:46	57						
27-2	din	2:45	470	9:13	76	15:09	458	21:22	78	02:50	442	09:22	48	15:18	432	21:32	51	2:11	354	9:06	47	14:33	343	21:14	46						
28-2	woe	3:12	473	9:40	61	15:38	463	21:51	65	03:18	446	09:51	31	15:49	437	22:02	37	2:35	355	9:32	35	14:59	345	21:42	36						
29-2	don	3:43	473	10:08	55	16:08	462	22:20	63	03:51	446	10:20	26	16:21	435	22:31	36	3:05	353	9:59	30	15:28	341	22:10	33						
1-3	vry	4:14	467	10:35	64	16:36	454	22:47	71	4:24	438	10:47	36	16:50	425	22:58	45	3:36	346	10:26	36	15:56	333	22:38	39						
2-3	zat	4:46	456	11:02	82	17:02	445	23:16	85	04:57	427	11:13	54	17:16	415	23:26	57	4:07	335	10:54	51	16:21	325	23:08	52						
3-3	zon	5:17	444	11:33	101	17:33	439	23:52	100	05:30	415	11:43	72	17:45	410	00:02	71	4:31	326	11:26	69	16:43	322	23:54	67						
4-3	maa	5:57	433	12:12	120	18:19	434	0:41	119			00:02	71	06:10	404	12:24	90					5:01	318	12:08	88	17:26	319				
5-3	din			0:41	119	6:57	420	13:09	140	19:28	427			00:51	89	07:13	394	13:22	111	19:45	400	0:36	83	6:13	307	13:10	102	18:56	314		
6-3	woe			1:51	136	8:17	412	14:32	153	20:55	428			02:02	107	08:39	389	14:44	123	21:17	404	1:53	91	7:51	302	14:31	104	20:29	319		
7-3	don			3:30	133	9:49	418	16:14	137	22:27	444			03:42	103	10:07	396	16:23	107	22:43	420	3:27	80	9:20	310	16:01	88	21:53	334		
8-3	vry			5:06	100	11:18	437	17:37	104	23:43	467			05:13	71	11:31	411	17:44	76	23:53	438	4:55	54	10:39	324	17:24	62	23:05	349		
9-3	zat			6:17	65	12:27	453	18:41	76					06:25	39	12:37	424	18:50	49			6:10	28	11:46	333	18:32	38				
10-3	zon	0:41	483	7:13	43	13:21	459	19:33	57	00:48	451	07:25	18	13:29	428	19:45	31	0:04	359	7:12	11	12:41	336	19:28	22						
11-3	maa	1:31	494	8:02	32	14:08	458	20:18	44	01:36	459	08:16	7	14:15	428	20:32	18	0:54	365	8:04	2	13:27	334	20:16	11						
12-3	din	2:16	502	8:46	26	14:50	458	20:59	32	02:21	467	09:01	1	14:57	430	21:14	5	1:38	371	8:49	0	14:09	334	20:59	3						
13-3	woe	2:59	507	9:26	22	15:29	461	21:38	22	03:05	474	09:41	0	15:38	434	21:54	5	2:21	376	9:29	0	14:49	337	21:39	-4						
14-3	don	3:41	507	10:03	23	16:05	463	22:16	18	03:49	474	10:18	0	16:18	436	22:31	7	3:05	375	10:05	4	15:29	337	22:15	-6						
15-3	vry	4:23	494	10:39	34	16:40	458	22:53	26	04:34	463	10:53	11	16:57	431	23:06	1	3:48	364	10:37	13	16:07	331	22:49	-1						
16-3	zat	5:04	468	11:13	55	17:15	444	23:30	45	05:19	439	11:24	31	17:34	416	23:40	19	4:30	343	11:05	26	16:41	319	23:23	12						
17-3	zon	5:48	436	11:48	86	17:53	425	0:12	74	06:04	409	11:57	59	18:12	397	00:18	46	5:12	316	11:35	45	17:17	305	0:00	33						
18-3	maa	6:40	405	12:31	121	18:45	404	1:07	108			00:18	46	06:56	380	12:38	92	19:02	379	0:00	50	6:00	291	12:15	68	18:08	292				
19-3	din			1:07	108	7:52	386	13:39	156	20:08	392			01:12	80	08:02	363	13:43	128	20:23	369	0:53	59	7:05	275	13:13	94	19:23	286		
20-3	woe			2:36	135	9:21	389	15:26	165	21:49	407			02:42	109	09:36	364	15:33	140	22:06	384	2:32	81	8:30	275	15:12	107	21:09	298		
21-3	don			4:18	130	10:46	415	16:57	142	23:08	442			04:23	105	11:05	389	17:03	118	23:21	417	4:20	76	10:24	298	16:56	88	22:45	331		
22-3	vry			5:34	107	11:53	445	18:01	114	0:07	471			05:40	83	12:07	416	18:06	91			5:35	57	11:26	326	17:55	67	23:38	357		
23-3	zat			6:30	88	12:44	459	18:49	98			00:17	442	06:35	64	12:54	428	18:54	75			6:26	44	12:10	341	18:40	56				
24-3	zon	0:51	479	7:13	81	13:20	458	19:27	92	00:59	448	07:18	58	13:28	425	19:33	69	0:18	365	7:06	42	12:43	342	19:17	52						

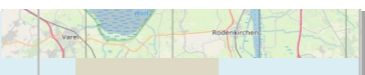


Referentievlak :LAT lw

		0:22 later					eigen berekening					0:32 halve																		
datum	dag	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW														
25-3	maa	1:24	473	7:47	79	13:47	454	19:58	86	01:29	440	07:53	55	13:53	422	20:06	61	0:50	360	7:39	42	13:10	340	19:48	47					
26-3	din	1:50	466	8:15	72	14:12	457	20:26	72	01:54	435	08:23	46	14:18	428	20:35	46	1:16	352	8:08	37	13:34	341	20:17	36					
27-3	woe	2:16	467	8:42	58	14:41	466	20:55	56	02:22	437	08:52	30	14:49	438	21:05	29	1:40	350	8:34	27	14:00	347	20:46	23					
28-3	don	2:48	472	9:10	48	15:13	473	21:26	49	02:55	441	09:22	19	15:23	444	21:37	23	2:09	351	9:02	19	14:30	350	21:16	19					
29-3	vry	3:22	472	9:40	53	15:44	471	21:56	58	03:30	440	09:52	26	15:56	440	22:07	33	2:42	350	9:31	23	15:03	347	21:47	26					
30-3	zat	3:56	464	10:09	72	16:13	462	22:24	75	04:04	432	10:19	46	16:23	431	22:34	51	3:17	342	10:00	39	15:34	340	22:16	42					
31-3	zon	5:26	451	11:36	93	17:41	455	23:53	91	05:35	420	11:44	60	17:49	425	00:00	60	4:46	332	11:28	60	16:59	334	23:57	50					
1-4	maa	5:58	439	12:05	103	18:13	452	0:30	103			00:00	60	06:06	410	12:13	78					5:05	323	12:00	77	17:16	334			
2-4	din			0:30	103	6:39	428	12:46	123	19:02	448			00:36	70	06:47	401	12:55	89	19:09	421	0:25	70	5:32	317	12:43	90	18:00	333	
3-4	woe			1:22	113	7:43	417	13:45	139	20:12	442			01:28	80	07:56	390	13:54	105	20:24	414	1:21	70	6:57	305	13:48	99	19:38	328	
4-4	don			2:34	123	9:07	413	15:11	148	21:39	443			02:41	90	09:27	388	15:18	116	21:56	417	2:40	70	8:40	304	15:11	96	21:09	333	
5-4	vry	06:34 VM		4:14	113	10:39	425	16:53	129	23:08	460			04:22	80	10:53	398	16:59	100	23:19	431	4:12	60	10:06	315	16:41	77	22:31	347	
6-4	zat			5:44	73	12:01	445	18:13	96					05:49	50	12:13	414	18:19	71			5:35	30	11:19	329	18:01	52	23:41	361	
7-4	zon	0:20	481	6:51	43	13:05	459	19:15	71	00:29	447	07:00	30	13:17	425	19:26	49					6:47	10	12:23	338	19:08	33			
8-4	maa	1:18	495	7:47	33	13:57	463	20:06	56	01:25	457	08:00	10	14:07	428	20:21	34	0:39	370	7:48	0	13:15	340	20:04	21					
9-4	din	2:06	502	8:35	23	14:41	463	20:52	43	02:13	462	08:50	10	14:50	429	21:08	21	1:28	374	8:38	0	13:59	340	20:52	12					
10-4	woe	2:51	505	9:18	23	15:21	466	21:33	29	02:58	465	09:34	0	15:31	434	21:50	7	2:12	376	9:21	0	14:40	343	21:34	3					
11-4	don	3:35	504	9:57	23	15:59	472	22:13	17	03:43	465	10:14	0	16:11	440	22:30	0	2:56	374	9:59	0	15:20	347	22:13	-6					
12-4	vry	11:11 LK	4:18	496	10:34	23	16:36	474	22:51	14	04:29	459	10:50	0	16:51	441	23:07	0	3:41	367	10:33	0	16:02	347	22:49	-9				
13-4	zat	5:01	478	11:09	33	17:12	468	23:28	27	05:14	443	11:23	20	17:29	435	23:41	7	4:26	352	11:03	10	16:41	341	23:23	1					
14-4	zon	5:43	453	11:43	63	17:47	455	0:05	53	05:58	420	11:53	40	18:05	422	00:14	30	5:10	331	11:32	30	17:18	330	23:56	20					
15-4	maa	6:25	427	12:17	93	18:26	439	0:45	83			00:14	30	06:40	397	12:25	75	18:42	408			5:52	310	12:04	56	17:54	320			
16-4	din			0:45	83	7:13	406	12:58	135	19:16	425			00:51	60	07:27	379	13:04	107	19:29	398	0:34	40	6:37	295	12:43	82	18:41	315	
17-4	woe			1:37	123	8:17	395	13:58	167	20:32	419			01:42	90	08:30	370	14:01	141	20:45	394	1:25	70	7:36	288	13:38	108	19:48	315	
18-4	don			2:58	143	9:40	399	15:36	179	22:06	432			03:06	120	09:56	374	15:45	157	22:27	408	2:55	90	8:54	292	15:12	123	21:24	326	
19-4	vry	06:14 NM	4:37	133	11:02	420	17:10	158	23:24	458			04:46	110	11:25	395	17:20	135	23:43	433	4:35	90	10:28	309	17:05	107	22:56	349		
20-4	zat			5:52	113	12:10	444	18:17	127			05:58	80	12:30	416	18:25	103					5:47	60	11:38	330	18:11	81	23:53	364	
21-4	zon	0:24	475	6:47	83	13:00	456	19:08	103	00:40	447	06:54	60	13:17	425	19:16	79					6:41	40	12:25	341	19:00	61			
22-4	maa	1:09	475	7:30	73	13:37	458	19:48	87	01:22	443	07:39	50	13:50	424	19:57	63	0:36	363	7:24	30	13:01	342	19:40	48					
23-4	din	1:43	467	8:05	63	14:06	459	20:21	74	01:54	433	08:15	40	14:17	426	20:31	50	1:11	354	8:00	30	13:31	342	20:14	38					
24-4	woe	2:14	463	8:36	53	14:36	467	20:53	60	02:23	429	08:47	30	14:47	436	21:04	37	1:42	347	8:31	20	14:00	346	20:46	28					
25-4	don	2:47	468	9:07	43	15:10	478	21:26	50	02:57	433	09:20	20	15:23	447	21:38	28	2:11	347	9:01	20	14:31	354	21:19	21					
26-4	vry	23:20 EK	3:24	475	9:41	43	15:48	485	22:01	51	03:34	439	09:53	20	16:00	452	22:13	30	2:45	351	9:33	20	15:06	359	21:53	25				
27-4	zat	4:03	475	10:15	53	16:24	483	22:35	65	04:13	438	10:27	40	16:35	449	22:47	45	3:22	350	10:06	30	15:43	359	22:27	37					
28-4	zon	4:40	464	10:48	73	16:56	476	23:08	82	04:50	429	10:58	60	17:06	442	23:18	62	4:00	343	10:38	50	16:18	354	23:01	53					
29-4	maa	5:15	449	11:18	93	17:28	471	23:42	94	05:24	416	11:26	70	17:37	439	23:49	71	4:35	332	11:10	60	16:50	350	23:34	60					
30-4	din	5:51	436	11:52	103	18:06	469	0:23	93	06:02	405	11:59	80	18:16	439	00:29	70					5:07	321	11:46	79	17:23	349			
1-5	woe			0:23	93	6:38	426	12:36	118	18:57	467			00:29	70	06:52	396	12:44	87	19:09	437	0:19	60	5:52	312	12:34	84	18:16	347	
2-5	don			1:17	93	7:42	421	13:37	125	20:05	465			01:24	70	08:04	391	13:46	95	20:22	435	1:19	60	7:13	307	13:40	86	19:34	346	
3-5	vry			2:29	93	8:59	424	14:59	126	21:25	468			02:39	70	09:23	396	15:07	99	21:43	439	2:36	50	8:34	311	14:58	79	20:54	353	
4-5	zat	19:34 VM	3:58	83	10:22	436	16:27	110	22:44	482			04:08	60	10:39	406	16:36	86	22:57	449			3:58	40	9:48	323	16:20	64	22:08	364
5-5	zon			5:15	53	11:36	451	17:40	88	23:52	496			05:24	40	11:51	417	17:50	67			5:11	20	10:54	335	17:34	48	23:13	374	
6-5	maa			6:19	43	12:37	461	18:42	70	00:03	457	06:30	20	12:52	425	18:55	52					6:18	10	11:54	341	18:40	37			
7-5	din	0:49	502	7:14	33	13:27	464	19:36	55	01:00	460	07:30	20	13:41	428	19:52	37	0:08	377	7:18	10	12:45	343	19:37	27					

Referentievlak :LAT lw

		0:22 later					eigen berekening					0:32 halve																	
datum	dag	HW	lw	HW	lw	HW	lw	HW	lw	HW	HW	lw	HW	lw	HW														
8-5	woe	1:39	501	8:03	33	14:11	467	20:23	40		01:49	459	08:21	10	14:23	432	20:42	22		0:58	374	8:09	10	13:29	345	20:26	17		
9-5	don	2:26	498	8:47	23	14:51	473	21:07	25		02:37	457	09:06	10	15:05	439	21:27	7		1:45	370	8:51	10	14:11	349	21:09	6		
10-5	vry	3:13	492	9:29	23	15:32	479	21:50	17		03:25	453	09:47	10	15:47	445	22:08	0		2:33	364	9:29	10	14:56	353	21:49	-1		
11-5	zat	4:01	483	10:09	33	16:13	480	22:30	23		04:13	446	10:26	20	16:29	446	22:47	6		3:23	355	10:03	10	15:40	353	22:27	2		
12-5	zon	4:46	468	10:46	53	16:52	473	23:09	44		05:00	433	11:01	30	17:09	440	23:23	27		4:12	344	10:37	20	16:23	349	23:04	19		
13-5	maa	5:28	450	11:22	83	17:30	464	23:46	74		05:43	418	11:33	60	17:45	432	23:57	56		4:57	331	11:10	50	17:02	345	23:40	40		
14-5	din	6:08	433	11:57	113	18:08	458	0:26	103		06:23	404	12:05	90	18:23	427	00:35	80					5:38	321	11:45	75	17:38	343	
15-5	woe			0:26	103	6:50	422	12:37	139	18:56	456		00:35	80	07:05	396	12:44	116	19:08	427		0:19	70	6:19	315	12:24	96	18:19	346
16-5	don			1:16	123	7:45	418	13:31	157	19:58	456		01:24	100	08:00	393	13:36	135	20:11	429		1:08	90	7:10	313	13:14	113	19:14	350
17-5	vry			2:22	133	8:52	421	14:43	163	21:12	460		02:32	110	09:09	395	14:51	144	21:32	433		2:19	90	8:16	316	14:24	120	20:32	352
18-5	zat			3:41	123	10:02	431	16:06	151	22:24	465		03:55	100	10:24	403	16:21	131	22:45	438		3:41	80	9:31	323	16:00	110	21:55	356
19-5	zon			4:51	103	11:07	442	17:16	126	23:25	466		05:04	80	11:29	413	17:30	104	23:44	437		4:49	60	10:37	333	17:14	86	22:58	356
20-5	maa			5:48	83	12:00	451	18:13	102	0:15	462		06:01	60	12:20	420	18:26	79				5:46	50	11:31	339	18:10	64	23:48	351
21-5	din			6:36	73	12:44	457	19:00	84			00:32	430	06:49	50	13:00	425	19:13	61			6:34	40	12:14	343	18:56	49		
22-5	woe	0:57	459	7:17	63	13:22	466	19:40	71		01:11	426	07:31	40	13:37	435	19:53	49		0:30	346	7:14	30	12:52	348	19:35	40		
23-5	don	1:36	463	7:55	63	14:00	478	20:19	61		01:49	429	08:09	40	14:15	448	20:32	40		1:07	346	7:50	30	13:28	358	20:12	34		
24-5	vry	2:16	472	8:34	53	14:40	490	20:58	57		02:29	438	08:47	30	14:55	460	21:12	37		1:42	351	8:26	30	14:04	368	20:51	33		
25-5	zat	2:59	479	9:14	53	15:21	496	21:38	60		03:12	444	09:27	40	15:36	465	21:52	41		2:20	356	9:04	30	14:42	375	21:31	37		
26-5	zon	3:43	476	9:53	63	16:01	494	22:18	69		03:56	442	10:06	50	16:14	463	22:31	50		3:02	356	9:42	40	15:22	376	22:11	45		
27-5	maa	4:24	464	10:31	83	16:38	490	22:56	77		04:38	432	10:42	60	16:50	459	23:09	58		3:45	347	10:19	50	16:02	373	22:51	52		
28-5	din	5:03	450	11:07	93	17:15	488	23:36	80		05:19	419	11:18	70	17:27	458	23:47	59		4:29	336	10:57	60	16:42	369	23:32	50		
29-5	woe	5:45	439	11:46	93	17:57	489	0:20	77		06:03	410	11:56	70	18:11	460	00:31	50					5:15	325	11:39	69	17:25	367	
30-5	don	6:33	434	12:32	93	18:49	490	1:13	73			00:31	50	06:56	405	12:42	72	19:05	460		0:19	50	6:07	319	12:30	67	18:18	367	
31-5	vry			1:13	73	7:31	433	13:30	99	19:51	489		01:25	50	07:59	405	13:41	74	20:10	460		1:17	40	7:08	318	13:30	64	19:21	369
1-6	zat			2:19	73	8:40	434	14:39	100	21:02	489		02:31	50	09:05	407	14:51	77	21:20	459		2:24	40	8:14	322	14:38	61	20:29	371
2-6	zon			3:32	63	9:53	437	15:54	97	22:14	490		03:43	40	10:12	410	16:05	74	22:26	457		3:34	30	9:17	327	15:50	58	21:34	373
3-6	maa			4:41	53	11:02	443	17:04	89	23:20	488		04:51	40	11:17	411	17:14	68	23:29	451		4:41	30	10:17	331	17:01	53	22:33	370
4-6	din			5:43	53	12:03	447	18:07	77			05:54	30	12:17	413	18:19	57				5:44	30	11:13	333	18:07	47	23:28	363	
5-6	woe	0:19	483	6:40	43	12:54	451	19:05	62		00:29	444	06:54	30	13:08	418	19:21	43			6:44	30	12:06	335	19:09	38			
6-6	don	1:14	477	7:32	43	13:41	457	19:58	47		01:25	439	07:49	30	13:55	426	20:16	27		0:24	355	7:38	30	12:57	339	20:03	26		
7-6	vry	2:07	473	8:22	43	14:26	465	20:47	38		02:18	438	08:40	30	14:40	435	21:06	17		1:23	350	8:25	30	13:48	345	20:51	18		
8-6	zat	2:59	470	9:09	53	15:12	471	21:33	39		03:10	438	09:26	30	15:26	442	21:51	19		2:21	348	9:06	30	14:39	351	21:34	18		
9-6	zon	3:49	466	9:53	63	15:57	472	22:16	55		04:00	436	10:08	40	16:11	443	22:32	36		3:13	346	9:44	40	15:26	355	22:14	30		
10-6	maa	4:34	459	10:33	83	16:38	470	22:56	79		04:45	429	10:45	60	16:50	440	23:09	61		4:00	344	10:21	50	16:08	357	22:52	51		
11-6	din	5:14	448	11:08	103	17:14	468	23:33	102		05:25	420	11:18	90	17:25	439	23:43	83		4:42	340	10:57	70	16:44	359	23:29	70		
12-6	woe	5:48	440	11:42	123	17:50	471	0:11	116		06:00	413	11:50	100	17:58	442	00:19	90					5:18	335	11:31	93	17:15	363	
13-6	don	6:25	436	12:19	133	18:30	475	0:54	113			00:19	90	06:37	411	12:26	116	18:37	447		0:05	80	5:54	333	12:07	104	17:47	368	
14-6	vry			0:54	113	7:11	435	13:04	140	19:20	473		01:01	90	07:23	409	13:10	119	19:26	445		0:47	90	6:34	331	12:49	108	18:32	366
15-6	zat			1:45	113	8:07	433	14:00	140	20:21	465		01:53	90	08:21	405	14:05	121	20:31	435		1:37	80	7:28	327	13:43	107	19:31	355
16-6	zon			2:45	113	9:08	432	15:06	137	21:25	454		02:55	90	09:24	402	15:13	120	21:40	423		2:39	80	8:36	323	14:49	103	20:49	342
17-6	maa			3:50	103	10:09	433	16:15	128	22:27	445		04:02	90	10:25	403	16:27	110	22:42	414		3:45	70	9:43	323	16:06	93	22:03	334
18-6	din			4:51	103	11:05	439	17:19	115	23:23	442		05:03	80	11:20	408	17:31	95	23:36	410		4:47	70	10:40	328	17:13	79	22:59	332
19-6	woe			5:45	93	11:56	449	18:15	101	0:14	447		05:57	70	12:10	419	18:26	81			5:40	60	11:30	338	18:08	68	23:48	336	
20-6	don			6:35	83	12:44	464	19:05	90			00:26	415	06:47	70	12:58	435	19:16	71			6:27	60	12:14	351	18:55	60		



Referentievlak :LAT lw

		0:22 later					eigen berekening					0:32 halve																			
datum	dag	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW															
21-6	vry	1:03	458	7:22	83	13:30	480	19:52	81	01:15	426	07:34	60	13:44	452	20:03	63	0:31	344	7:11	50	12:57	366	19:41	54						
22-6	zat	1:52	469	8:08	73	14:16	492	20:38	75	02:04	436	08:20	60	14:31	462	20:51	58	1:14	353	7:55	50	13:38	377	20:29	51						
23-6	zon	2:41	473	8:54	73	15:02	497	21:24	72	02:54	439	09:06	60	15:15	465	21:37	55	1:58	356	8:41	50	14:21	382	21:17	49						
24-6	maa	3:29	468	9:39	73	15:44	497	22:09	70	03:42	434	09:51	60	15:56	463	22:23	53	2:46	352	9:27	50	15:04	382	22:05	47						
25-6	din	09:50 EK	4:15	458	10:22	83	16:25	495	22:52	67	04:29	424	10:34	60	16:36	462	23:07	49	3:34	344	10:12	50	15:48	379	22:51	44					
26-6	woe	4:57	448	11:03	83	17:06	498	23:35	62	05:14	416	11:15	60	17:17	465	23:49	45	4:23	336	10:56	50	16:33	379	23:35	40						
27-6	don	5:40	444	11:45	73	17:50	504	0:19	59	05:59	413	11:57	60	18:03	471	00:32	40					5:11	330	11:39	53	17:19	381				
28-6	vry	6:27	443	12:29	73	18:40	507	1:07	53			00:32	40	06:49	413	12:41	56	18:55	474			0:21	30	6:00	328	12:25	48	18:08	383		
29-6	zat			1:07	53	7:19	441	13:19	78	19:36	503			01:20	40	07:43	412	13:31	58	19:53	470			1:09	30	6:50	326	13:16	48	19:00	381
30-6	zon			2:02	63	8:19	437	14:17	86	20:39	491			02:14	40	08:41	409	14:28	66	20:55	459			2:03	30	7:43	324	14:12	53	19:56	373
1-7	maa			3:03	73	9:24	431	15:22	96	21:47	476			03:14	50	09:41	402	15:33	75	21:57	443			3:03	40	8:39	320	15:16	60	20:55	361
2-7	din	13:39 VM		4:09	73	10:31	427	16:33	97	22:55	462			04:17	60	10:43	397	16:42	76	23:02	427			4:06	50	9:35	318	16:28	63	21:54	347
3-7	woe			5:12	73	11:34	430	17:41	87	0:01	454			05:22	60	11:47	397	17:51	67					5:10	50	10:34	318	17:41	57	22:57	335
4-7	don			6:14	73	12:32	438	18:46	72			00:12	417	06:27	50	12:46	405	19:00	52					6:16	50	11:41	322	18:52	46		
5-7	vry			1:03	454	7:14	63	13:26	449	19:46	60			01:17	418	07:30	50	13:39	418	20:02	39			0:17	331	7:20	50	12:50	333	19:53	35
6-7	zat			2:01	458	8:11	63	14:17	461	20:40	59			02:13	425	08:27	50	14:28	431	20:56	38			1:27	337	8:13	40	13:46	345	20:44	34
7-7	zon			2:53	463	9:02	73	15:05	469	21:28	70			03:03	431	09:16	60	15:15	439	21:42	52			2:20	344	8:57	50	14:33	355	21:27	44
8-7	maa			3:40	462	9:46	93	15:48	472	22:10	89			03:49	431	09:58	70	15:57	441	22:22	73			3:05	348	9:36	60	15:15	362	22:06	61
9-7	din	03:48 LK		4:20	457	10:24	103	16:25	473	22:46	107			04:30	426	10:34	90	16:33	441	22:57	91			3:45	349	10:12	70	15:51	365	22:41	78
10-7	woe			4:55	450	10:56	123	16:56	475	23:19	114			05:04	420	11:05	110	17:02	442	23:29	97			4:20	346	10:44	90	16:20	368	23:14	88
11-7	don			5:25	447	11:27	123	17:26	480	23:52	110			05:34	417	11:34	110	17:31	448	00:01	90			4:51	344	11:15	100	16:44	372	23:45	92
12-7	vry			5:58	447	12:00	123	18:01	481	0:28	103			00:01	90	06:07	417	12:06	106	18:04	450					5:19	342	11:47	99	17:12	372
13-7	zat			0:28	103	6:37	446	12:37	120	18:43	474			00:35	80	06:47	415	12:43	101	18:46	442			0:17	80	5:51	338	12:22	94	17:50	365
14-7	zon			1:07	93	7:22	439	13:20	121	19:32	458			01:14	80	07:35	407	13:26	102	19:37	425			0:55	70	6:31	329	13:04	91	18:39	348
15-7	maa			1:52	103	8:13	429	14:10	130	20:27	439			01:59	90	08:30	397	14:16	110	20:38	407			1:39	80	7:22	318	13:53	94	19:38	329
16-7	din	20:32 NM		2:45	123	9:08	423	15:09	141	21:27	427			02:52	100	09:27	392	15:16	122	21:42	397			2:32	90	8:27	312	14:52	101	20:50	318
17-7	woe			3:47	133	10:07	425	16:19	145	22:30	427			03:55	120	10:26	397	16:29	127	22:44	398			3:33	90	9:39	316	16:02	104	22:02	319
18-7	don			4:54	133	11:09	439	17:31	137	23:33	438			05:04	120	11:26	412	17:42	119	23:45	408			4:37	100	10:41	332	17:15	99	23:03	330
19-7	vry			5:57	123	12:10	461	18:36	120					06:08	100	12:26	432	18:45	103					5:39	90	11:37	352	18:19	87	23:59	343
20-7	zat			0:36	453	6:56	103	13:07	482	19:34	101			00:48	421	07:07	90	13:22	451	19:44	86			6:37	80	12:30	370	19:19	74		
21-7	zon			1:36	465	7:52	93	14:00	496	20:27	83			01:49	431	08:02	80	14:14	461	20:39	70			0:53	351	7:35	70	13:19	380	20:18	60
22-7	maa			2:31	470	8:44	83	14:49	502	21:17	68			02:44	433	08:55	70	15:01	464	21:30	57			1:46	352	8:31	60	14:07	383	21:13	47
23-7	din			3:22	467	9:32	73	15:34	504	22:03	57			03:35	429	09:44	60	15:44	463	22:17	45			2:38	348	9:23	50	14:53	383	22:03	37
24-7	woe			4:09	462	10:16	63	16:17	508	22:46	49			04:22	423	10:29	50	16:26	467	23:02	35			3:28	343	10:10	40	15:38	384	22:48	30
25-7	don	00:07 EK		4:52	458	10:58	63	16:59	516	23:28	43			05:06	420	11:12	40	17:08	476	23:44	29			4:14	339	10:54	40	16:23	389	23:30	33
26-7	vry			5:34	458	11:38	53	17:42	523	0:10	43			05:49	422	11:53	40	17:54	484	00:24	30					4:59	338	11:34	36	17:07	393
27-7	zat			6:17	458	12:20	53	18:28	521	0:52	43			00:24	30	06:35	424	12:33	41	18:43	483			0:11	20	5:42	336	12:15	35	17:52	392
28-7	zon			0:52	43	7:03	453	13:03	65	19:19	506			01:06	30	07:23	421	13:15	49	19:36	470			0:52	30	6:26	331	12:57	40	18:38	380
29-7	maa			1:39	63	7:54	441	13:53	82	20:17	480			01:50	50	08:15	410	14:03	64	20:34	446			1:35	40	7:11	323	13:44	52	19:28	360
30-7	din			2:33	83	8:54	428	14:54	99	21:25	454			02:43	70	09:12	398	15:03	80	21:37	421			2:26	60	8:02	314	14:43	65	20:27	337
31-7	woe	20:32 VM		3:37	103	10:02	421	16:08	106	22:38	440			03:46	80	10:17	390	16:17	86	22:50	405			3:29	70	9:04	308	16:02	70	21:35	321
1-8	don			4:49	103	11:12	426	17:24	98	23:51	442			04:59	80	11:29	394	17:35	78					4:43	70	10:19	310	17:25	63	23:06	318
2-8	vry			6:00	93	12:18	444	18:37	82			00:10	408	06:14	70	12:35	412	18:51	62					6:03	60	11:49	326	18:46	49		
3-8	zat			0:57	456	7:07	83	13:18	466	19:41	71			01:15	423	07:22	60	13:32	435	19:55	50			0:30	332	7:12	50	12:52	348	19:47	41

Referentievlak :LAT lw

		0:22 later					Vareler Schleuse					0:32 halve																				
		eigen berekening																														
datum	dag	HW	lw	HW	lw	HW	HW	lw	HW	lw	HW	HW	lw	HW	lw	HW																
4-8	zon	1:54	471	8:05	73	14:10	484	20:35	73			02:09	439	08:19	60	14:21	451	20:48	54			1:25	348	8:04	50	13:41	367	20:35	46			
5-8	maa	2:44	476	8:54	83	14:55	491	21:20	88			02:55	444	09:06	70	15:04	457	21:32	72			2:11	358	8:47	60	14:23	377	21:16	62			
6-8	din	3:25	472	9:34	93	15:32	490	21:57	103			03:35	439	09:45	80	15:41	455	22:08	89			2:50	360	9:24	70	14:59	379	21:51	78			
7-8	woe	12:28 LK	3:59	464	10:07	113	16:02	488	22:28	109			04:08	431	10:17	100	16:10	452	22:39	93			3:22	357	9:55	80	15:27	378	22:21	84		
8-8	don	4:27	460	10:36	113	16:29	489	22:57	101			04:36	428	10:45	100	16:36	454	23:07	83			3:50	355	10:24	90	15:51	378	22:49	80			
9-8	vry	4:55	463	11:04	103	16:57	492	23:26	89			05:05	430	11:14	90	17:04	458	23:36	68			4:16	355	10:53	80	16:14	379	23:16	71			
10-8	zat	5:26	465	11:34	93	17:30	489	23:55	84			05:38	433	11:44	80	17:37	455	00:06	60			4:43	354	11:22	70	16:44	375	23:44	72			
11-8	zon	6:00	462	12:06	93	18:06	478	0:27	93					00:06	60	06:14	428	12:16	79	18:14	444					5:12	348	11:53	73	17:18	365	
12-8	maa			0:27	93	6:35	451	12:39	109	18:44	461			00:37	70	06:51	417	12:49	88	18:54	427			0:14	70	5:43	338	12:25	78	17:57	349	
13-8	din			1:01	113	7:11	439	13:16	127	19:27	443			01:10	90	07:29	404	13:27	105	19:41	410			0:49	80	6:20	328	13:04	92	18:42	334	
14-8	woe			1:41	133	7:57	431	14:03	149	20:22	430			01:51	110	08:16	398	14:14	128	20:42	401			1:32	100	7:12	321	13:54	110	19:46	323	
15-8	don	11:38 NM		2:35	153	8:58	430	15:08	168	21:31	428			02:45	140	09:23	401	15:20	147	21:53	402			2:29	120	8:25	323	15:01	123	21:04	323	
16-8	vry			3:50	163	10:12	442	16:38	168	22:49	436			04:00	140	10:39	416	16:52	146	23:07	412			3:38	120	9:47	337	16:25	121	22:20	333	
17-8	zat			5:16	153	11:33	465	18:07	141	0:09	454			05:27	130	11:53	438	18:16	120					4:54	110	11:00	359	17:47	101	23:30	347	
18-8	zon			6:32	123	12:43	490	19:15	106			00:24	425	06:41	100	12:59	459	19:25	88					6:09	90	12:04	378	19:00	76			
19-8	maa		1:19	470	7:35	93	13:41	507	20:12	78			01:33	437	07:45	80	13:53	471	20:24	62			0:34	356	7:19	70	13:01	388	20:05	54		
20-8	din		2:16	476	8:28	83	14:31	514	21:01	60			02:28	441	08:40	60	14:41	475	21:15	44			1:32	358	8:19	50	13:50	391	20:59	37		
21-8	woe		3:06	475	9:15	63	15:16	519	21:46	49			03:17	437	09:29	50	15:24	478	22:01	32			2:22	354	9:10	40	14:35	392	21:47	28		
22-8	don		3:50	471	9:58	53	15:58	525	22:28	42			04:01	434	10:13	40	16:06	485	22:44	24			3:08	350	9:56	30	15:19	397	22:31	24		
23-8	vry	11:57 EK	4:32	470	10:39	43	16:40	533	23:08	39			04:43	435	10:55	30	16:49	494	23:24	21			3:51	348	10:37	30	16:02	402	23:10	25		
24-8	zat		5:12	472	11:19	43	17:23	533	23:47	43			05:26	439	11:34	20	17:34	497	00:02	20			4:33	349	11:16	20	16:46	403	23:48	27		
25-8	zon		5:52	471	11:58	43	18:07	520	0:25	53					00:02	20	06:09	439	12:13	30	18:22	485					5:15	347	11:54	29	17:30	392
26-8	maa			0:25	53	6:33	462	12:38	64	18:54	492			00:39	40	06:53	431	12:51	44	19:11	460			0:23	40	5:56	340	12:32	38	18:14	370	
27-8	din			1:06	73	7:18	446	13:23	87	19:50	458			01:17	60	07:40	416	13:33	65	20:07	429			0:59	50	6:37	327	13:14	54	19:02	342	
28-8	woe			1:53	103	8:14	427	14:20	113	21:00	430			02:02	90	08:36	399	14:28	90	21:13	403			1:40	70	7:26	315	14:07	72	20:04	318	
29-8	don			2:58	133	9:28	418	15:40	129	22:18	424			03:07	110	09:47	391	15:48	107	22:34	395			2:38	90	8:36	308	15:35	85	21:24	307	
30-8	vry	03:35 VM		4:25	143	10:49	430	17:09	124	23:37	440			04:35	120	11:09	403	17:19	102	23:57	411			4:16	90	10:11	316	17:13	80	23:10	319	
31-8	zat			5:48	123	12:04	460	18:29	105					05:59	100	12:20	432	18:39	83					5:50	80	11:42	345	18:35	64			
1-9	zon		0:46	466	6:57	103	13:06	492	19:31	89			01:03	437	07:08	80	13:19	462	19:41	69			0:21	345	6:56	60	12:40	377	19:32	54		
2-9	maa		1:43	485	7:52	93	13:57	510	20:21	88			01:55	454	08:02	70	14:06	477	20:30	70			1:11	366	7:46	60	13:26	395	20:17	58		
3-9	din		2:29	486	8:37	93	14:38	510	21:02	98			02:38	453	08:46	80	14:45	476	21:11	82			1:52	372	8:27	60	14:03	398	20:55	70		
4-9	woe		3:04	476	9:12	103	15:08	501	21:34	106			03:11	442	09:21	90	15:14	466	21:43	88			2:24	367	9:01	70	14:32	391	21:26	78		
5-9	don		3:30	468	9:41	113	15:31	495	22:00	101			03:37	435	09:50	90	15:39	461	22:10	80			2:50	363	9:30	80	14:55	385	21:52	75		
6-9	vry	00:21 LK	3:53	470	10:07	103	15:57	496	22:26	86			04:02	439	10:17	80	16:05	463	22:37	63			3:13	364	9:57	70	15:17	385	22:17	64		
7-9	zat		4:21	478	10:35	83	16:27	498	22:53	77			04:32	446	10:47	60	16:36	465	23:06	53			3:38	367	10:25	60	15:45	384	22:44	57		
8-9	zon		4:53	481	11:05	83	17:00	493	23:21	84			05:06	448	11:17	60	17:10	459	23:34	62			4:08	366	10:54	60	16:18	378	23:11	61		
9-9	maa		5:24	474	11:34	93	17:33	480	23:49	106			05:39	440	11:46	70	17:44	446	00:00	80			4:38	359	11:23	60	16:49	366	23:39	72		
10-9	din		5:53	463	12:02	113	18:04	464	0:17	130					00:00	80	06:07	428	12:13	94	18:15	431					5:05	349	11:52	85	17:16	353
11-9	woe		6:22	454	12:34	133	18:39	450	0:52	143					00:27	100	06:34	420	12:44	113	18:52	420			0:09	100	5:30	343	12:25	105	17:41	343
12-9	don			0:52	143	7:04	450	13:18	158	19:32	438			01:03	120	07:14	418	13:27	131	19:49	410			0:47	120	6:09	340	13:12	123	18:44	332	
13-9	vry			1:43	163	8:06	447	14:21	176	20:48	431			01:55	140	08:23	419	14:31	149	21:12	407			1:44	130	7:37	339	14:24	133	20:27	329	
14-9	zat	03:40 NM		2:57	183	9:29	453	15:54	176	22:17	438			03:08	150	09:52	428	16:05	150	22:36	416			2:59	130	9:06	350	15:52	124	21:51	339	
15-9	zon			4:39	163	11:00	473	17:39	142	23:48	457			04:46	140	11:18	448	17:45	118	23:59	431			4:21	120	10:26	369	17:20	96	23:06	355	
16-9	maa			6:06	133	12:17	498	18:51	101					06:12	110	12:29	468	18:59	81					5:44	90	11:36	387	18:37	67			

Referentievlak :LAT lw

		0:22 later					eigen berekening					0:32 halve																							
datum	dag	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW																			
17-9	din	0:58	475	7:11	103	13:16	515	19:48	74	01:10	444	07:20	80	13:26	480	19:59	55	0:12	364	6:58	70	12:36	397	19:42	46										
18-9	woe	1:53	481	8:04	83	14:05	523	20:36	61	02:04	447	08:16	60	14:14	485	20:50	42	1:09	366	7:58	50	13:26	401	20:36	36										
19-9	don	2:40	478	8:50	73	14:49	528	21:20	55	02:50	444	09:05	50	14:57	490	21:36	35	1:56	361	8:48	40	14:09	403	21:23	32										
20-9	vry	3:22	475	9:32	63	15:31	532	22:01	50	03:32	442	09:49	40	15:40	495	22:18	30	2:38	359	9:33	30	14:52	407	22:04	32										
21-9	zat	4:02	477	10:13	53	16:14	534	22:39	48	04:13	446	10:30	30	16:25	498	22:57	29	3:19	360	10:14	30	15:36	407	22:42	33										
22-9	zon	4:40	481	10:52	43	16:58	524	23:17	55	04:55	450	11:10	20	17:10	490	23:33	37	4:02	362	10:52	20	16:21	399	23:17	39										
23-9	maa	5:19	480	11:32	53	17:42	501	23:53	75	05:37	448	11:47	30	17:57	468	00:07	50	4:45	359	11:29	30	17:06	380	23:48	41										
24-9	din	5:58	468	12:11	73	18:28	468	0:29	103			00:07	50	06:18	436	12:23	51					5:25	349	12:05	43	17:50	353								
25-9	woe			0:29	103	6:39	450	12:53	102	19:20	434			00:40	80	07:00	419	13:01	79	19:36	408		0:19	70	6:03	335	12:43	64	18:38	326					
26-9	don			1:11	133	7:32	430	13:45	136	20:30	412			01:19	110	07:52	402	13:51	112	20:43	388		0:56	90	6:50	322	13:32	91	19:39	307					
27-9	vry			2:13	173	8:51	421	15:07	163	21:54	413			02:18	140	09:11	396	15:14	140	22:11	389		1:49	110	8:02	317	15:07	112	21:03	304					
28-9	zat			3:55	183	10:24	438	16:51	159	23:18	437			04:04	160	10:44	415	16:57	136	23:37	413		3:41	130	9:49	331	16:52	106	22:52	325					
29-9	zon			5:28	163	11:44	475	18:11	132					05:36	130	11:58	451	18:16	111					5:25	110	11:21	366	18:09	85						
30-9	maa	0:29	469	6:36	133	12:46	508	19:10	108	00:43	442	06:42	110	12:58	479	19:16	89			0:00	355	6:29	80	12:17	396	19:04	69								
1-10	din	1:24	488	7:28	113	13:35	519	19:56	99	01:36	456	07:35	90	13:44	486	20:02	81			0:47	373	7:19	70	13:00	407	19:48	65								
2-10	woe	2:06	487	8:10	103	14:11	509	20:32	101	02:15	452	08:17	90	14:19	474	20:39	83			1:24	375	7:59	70	13:33	399	20:23	70								
3-10	don	2:34	476	8:43	103	14:37	494	21:01	103	02:41	440	08:51	90	14:44	459	21:10	83			1:51	368	8:32	70	13:59	386	20:53	71								
4-10	vry	2:56	471	9:10	103	15:00	489	21:26	94	03:03	438	09:19	80	15:08	455	21:37	72			2:14	365	9:00	70	14:22	379	21:18	66								
5-10	zat	3:20	479	9:37	83	15:28	492	21:53	83	03:29	446	09:48	70	15:37	458	22:05	61			2:37	368	9:28	60	14:46	379	21:45	59								
6-10	zon	3:51	489	10:07	83	16:03	495	22:23	84	04:03	455	10:19	60	16:12	459	22:36	63			3:05	373	9:58	50	15:18	378	22:13	61								
7-10	maa	4:25	490	10:39	83	16:38	487	22:52	103	04:38	454	10:51	70	16:47	452	23:04	84			3:38	372	10:29	60	15:54	372	22:42	77								
8-10	din	4:57	481	11:08	113	17:10	472	23:19	130	05:09	444	11:19	90	17:19	439	23:29	110			4:11	365	10:59	80	16:25	360	23:10	101								
9-10	woe	5:25	470	11:36	133	17:39	456	23:46	152	05:35	435	11:45	110	17:48	426	23:55	127			4:38	357	11:29	100	16:44	348	23:40	111								
10-10	don	5:55	465	12:09	143	18:14	443	0:21	165	06:03	433	12:16	120	18:23	416	00:31	130							4:54	355	12:03	121	16:59	341						
11-10	vry	6:38	463	12:55	153	19:11	433	1:14	173			00:31	130	06:46	434	13:02	133	19:25	407			0:19	130	5:25	355	12:54	129	17:58	330						
12-10	zat			1:14	173	7:42	461	14:00	168	20:31	429			01:26	140	07:57	433	14:09	140	20:54	405		1:19	140	7:09	352	14:10	127	20:11	328					
13-10	zon			2:32	183	9:06	465	15:34	160	22:03	440			02:41	150	09:25	439	15:42	133	22:20	416		2:38	130	8:41	360	15:36	108	21:35	341					
14-10	maa			4:13	163	10:35	482	17:11	125	23:29	462			04:18	140	10:50	455	17:17	101	23:41	433		4:01	110	10:01	376	16:59	79	22:47	357					
15-10	din			5:38	133	11:50	505	18:21	90					05:44	110	12:02	472	18:29	71				5:23	80	11:11	392	18:12	55	23:50	367					
16-10	woe	0:35	480	6:42	103	12:49	521	19:17	70	00:49	445	06:52	80	13:00	482	19:30	53					6:33	60	12:10	402	19:15	43								
17-10	don	1:28	485	7:35	83	13:38	527	20:06	62	01:40	449	07:49	60	13:48	486	20:22	46			0:45	369	7:33	50	13:00	405	20:09	39								
18-10	vry	2:12	483	8:22	73	14:22	529	20:50	57	02:23	447	08:39	50	14:32	488	21:08	42			1:30	367	8:23	40	13:43	405	20:55	39								
19-10	zat	2:52	485	9:05	63	15:06	528	21:31	53	03:04	450	09:24	40	15:18	489	21:50	38			2:10	367	9:08	30	14:26	403	21:35	39								
20-10	zon	3:31	490	9:47	43	15:52	522	22:11	53	03:45	455	10:06	30	16:05	484	22:29	38			2:52	371	9:50	30	15:13	397	22:12	40								
21-10	maa	4:11	494	10:28	43	16:38	506	22:49	65	04:28	459	10:47	20	16:52	470	23:06	50			3:36	372	10:29	20	16:02	383	22:46	48								
22-10	din	4:52	489	11:09	53	17:24	480	23:25	91	05:10	454	11:25	30	17:39	447	23:40	74			4:20	367	11:06	30	16:49	362	23:17	64								
23-10	woe	5:31	475	11:48	73	18:09	450	0:01	125	05:51	441	12:01	60	18:25	421	00:12	100			5:01	356	11:42	50	17:34	339	23:48	80								
24-10	don	6:12	458	12:29	113	18:58	425	0:41	153			00:12	100	06:31	426	12:38	97	19:14	400					5:40	345	12:21	82	18:20	320						
25-10	vry			0:41	153	7:02	444	13:19	152	20:00	412			00:49	130	07:20	416	13:26	130	20:16	390		0:26	110	6:24	338	13:10	110	19:18	310					
26-10	zat			1:37	183	8:15	440	14:34	177	21:17	415			01:43	160	08:37	415	14:44	155	21:39	395		1:18	130	7:30	338	14:42	128	20:37	314					
27-10	zon			3:07	193	8:44	454	15:10	172	21:38	436			02:20	177	09:09	434	15:21	147	22:03	417		1:53	148	8:09	351	15:13	118	21:08	332					
28-10	maa			3:43	183	10:02	481	16:27	144	22:48	462			03:55	156	10:23	461	16:34	119	23:09	440		3:39	131	9:37	376	16:22	95	22:17	356					
29-10	din			4:52	152	11:04	500	17:26	117	23:43	477			05:01	126	11:22	476	17:33	92				4:46	104	10:35	393	17:19	74	23:06	368					
30-10	woe			5:47	127	11:54	501	18:12	103	00:01	450	05:56	102	12:10	472	18:21	79					5:39	84	11:20	393	18:06	64	23:44	369						

Referentievlak :LAT lw

		0:22 later					eigen berekening					0:32 halve																			
datum	dag	HW	lw	HW	lw	HW	HW	lw	HW	lw	HW	HW	lw	HW	lw	HW															
31-10	don	0:23	477	6:30	113	12:31	488	18:49	99			00:38	446	06:40	88	12:44	456	18:59	76			06:22	73	11:56	381	18:43	64				
1-11	vry	0:51	473	7:05	104	12:59	477	19:20	97			01:03	441	07:15	81	13:11	445	19:32	74			0:14	365	6:58	68	12:25	369	19:15	65		
2-11	zat	1:17	477	7:36	94	13:28	479	19:49	90			01:28	446	07:47	72	13:40	446	20:02	68			0:41	365	7:29	63	12:52	365	19:43	63		
3-11	zon	1:47	489	8:07	85	14:03	487	20:21	86			02:01	458	08:20	63	14:15	453	20:35	66			1:09	372	8:00	59	13:22	369	20:14	63		
4-11	maa	2:24	498	8:41	85	14:41	489	20:55	95			02:38	466	08:55	65	14:53	455	21:09	76			1:40	379	8:34	62	13:57	371	20:46	72		
5-11	din	3:01	498	9:16	99	15:19	481	21:28	116			03:15	464	09:30	80	15:31	447	21:41	98			2:16	380	9:09	76	14:35	365	21:18	91		
6-11	woe	3:35	490	9:50	121	15:53	463	21:58	140			03:48	456	10:02	102	16:05	433	22:09	119			2:52	375	9:43	95	15:11	352	21:49	111		
7-11	don	4:05	481	10:22	137	16:26	447	22:28	154			04:17	450	10:32	117	16:39	420	22:38	129			3:24	369	10:17	109	15:40	339	22:22	125		
8-11	vry	4:39	478	10:58	142	17:06	437	23:06	158			04:51	449	11:07	118	17:23	411	23:18	129			3:51	365	10:56	114	16:06	330	23:06	129		
9-11	zat	5:24	478	11:46	140	18:02	431	0:01	161			05:39	450	11:56	114	18:27	405	00:14	130			4:31	364	11:51	110	17:37	323	0:09	127		
10-11	zon	6:26	477	12:51	137	19:17	431	1:16	162					00:14	130	06:45	449	13:02	110	19:45	408			0:09	127	5:57	363	13:02	100	19:00	326
11-11	maa			1:16	162	7:43	478	14:14	126	20:41	440			01:27	132	08:04	451	14:25	101	21:02	418			1:23	117	7:17	367	14:19	82	20:14	338
12-11	din			2:43	150	9:05	488	15:37	104	22:00	457			02:53	122	09:21	460	15:46	80	22:15	429			2:40	100	8:32	378	15:35	62	21:21	350
13-11	woe			4:02	126	10:17	502	16:44	82	23:04	470			04:11	102	10:29	468	16:54	63	23:20	437			3:56	82	9:39	387	16:42	50	22:21	358
14-11	don			5:07	105	11:16	510	17:41	70	23:56	475			05:18	84	11:28	471	17:55	54					5:05	68	10:36	391	17:44	45	23:15	361
15-11	vry			6:03	89	12:08	511	18:32	64			00:11	441	06:18	69	12:20	472	18:49	48					6:05	58	11:27	390	18:39	45		
16-11	zat	0:40	479	6:53	73	12:56	509	19:19	59			00:54	446	07:11	53	13:09	472	19:38	43			0:00	363	6:58	48	12:15	386	19:25	45		
17-11	zon	1:21	485	7:39	56	13:45	505	20:03	57			01:36	453	07:59	36	13:58	470	20:23	40			0:43	366	7:45	37	13:05	381	20:07	44		
18-11	maa	2:04	492	8:25	45	14:36	497	20:46	62			02:20	461	08:45	24	14:49	465	21:06	45			1:28	370	8:29	27	13:58	374	20:46	46		
19-11	din	2:49	493	9:10	47	15:25	483	21:28	80			03:05	462	09:28	27	15:39	453	21:45	62			2:16	371	9:11	28	14:51	363	21:22	57		
20-11	woe	3:32	486	9:52	66	16:12	463	22:06	108			03:49	456	10:08	46	16:26	436	22:21	88			3:03	367	9:51	42	15:39	349	21:57	77		
21-11	don	4:13	474	10:32	97	16:55	442	22:42	138			04:30	445	10:46	77	17:08	418	22:54	117			3:46	360	10:30	68	16:23	335	22:31	100		
22-11	vry	4:53	464	11:13	128	17:36	427	23:21	162			05:09	437	11:23	106	17:51	407	23:30	139			4:23	355	11:10	95	17:05	325	23:08	121		
23-11	zat	5:38	460	11:59	150	18:26	421	0:10	178			05:52	435	12:08	128	18:42	402	00:18	154			5:00	356	11:57	115	17:52	321	23:55	136		
24-11	zon	6:36	461	12:59	161	19:28	423	1:17	185					00:18	154	06:52	436	13:10	138	19:48	404					5:51	358	13:05	122	18:57	323
25-11	maa			1:17	185	7:47	464	14:13	156	20:38	432			01:27	162	08:11	441	14:27	131	21:02	412			1:05	141	7:08	359	14:21	112	20:12	331
26-11	din			2:37	177	9:00	468	15:25	138	21:45	443			02:53	152	09:24	446	15:37	111	22:09	421			2:39	131	8:36	363	15:27	92	21:19	341
27-11	woe			3:52	155	10:05	467	16:27	119	22:44	452			04:05	128	10:27	444	16:37	92	23:03	426			3:53	108	9:41	363	16:25	75	22:13	348
28-11	don			4:54	131	11:01	461	17:18	108	23:30	457			05:04	104	11:18	434	17:29	82	23:44	430			4:52	86	10:33	357	17:16	67	22:58	351
29-11	vry			5:44	114	11:45	454	18:01	104	0:06	463			05:54	87	11:59	426	18:13	78					5:40	72	11:15	349	17:59	66	23:34	354
30-11	zat			6:25	102	12:21	455	18:39	100			00:18	437	06:36	76	12:34	427	18:52	76					6:21	65	11:51	347	18:36	67		
1-12	zon	0:41	475	7:03	93	12:59	465	19:16	95			00:54	451	07:15	68	13:11	437	19:29	73			0:10	363	6:57	63	12:25	351	19:09	68		
2-12	maa	1:19	490	7:41	89	13:39	475	19:54	95			01:33	465	07:54	65	13:53	447	20:08	73			0:43	374	7:34	63	12:59	359	19:44	71		
3-12	din	1:59	499	8:20	91	14:22	476	20:33	103			02:14	473	08:34	69	14:36	449	20:47	82			1:18	383	8:13	68	13:38	361	20:22	79		
4-12	woe	2:38	498	8:59	101	15:02	466	21:10	118			02:53	472	09:14	79	15:17	440	21:24	96			1:56	385	8:54	76	14:20	355	20:59	91		
5-12	don	3:14	492	9:37	112	15:39	451	21:45	131			03:28	465	09:52	89	15:56	426	21:58	107			2:35	381	9:34	85	15:03	343	21:36	102		
6-12	vry	3:48	486	10:14	116	16:16	438	22:20	135			04:02	461	10:28	92	16:35	415	22:33	108			3:13	374	10:13	89	15:47	330	22:16	105		
7-12	zat	4:25	486	10:54	112	16:57	433	23:01	131			04:40	461	11:07	86	17:21	410	23:14	102			3:52	370	10:56	84	16:36	323	23:03	101		
8-12	zon	5:12	488	11:41	104	17:49	431	23:53	127			05:29	462	11:54	78	18:18	408	00:06	98			4:40	369	11:48	76	17:32	320	23:59	94		
9-12	maa	6:08	486	12:39	101	18:53	429	0:56	128					00:06	98	06:28	460	12:51	74	19:23	408					5:40	368	12:47	68	18:34	322
10-12	din			0:56	128	7:15	482	13:47	100	20:07	429			01:09	99	07:35	456	13:58	74	20:30	408			1:01	87	6:46	368	13:53	62	19:38	325
11-12	woe			2:09	129	8:29	478	15:00	96	21:22	433			02:20	100	08:43	451	15:09	72	21:36	409			2:09	84	7:51	368	15:02	59	20:39	329
12-12	don			3:23	123	9:40	475	16:06	90	22:28	438			03:33	96	09:48	445	16:15	68	22:39	411			3:22							



Referentievlak :LAT lw

		eigen berekening										0:32 halve						
datum	dag	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW	lw	HW
14-12	zat		5:33 94	11:44 468	18:02 78	0:13 454			05:46 69	11:54 436	18:17 57			5:38 62	10:49 352	18:11 57	23:59 339	
15-12	zon		6:30 75	12:41 467	18:56 74			00:26 427	06:46 49	12:52 438	19:13 51			6:38 47	11:56 348	19:03 53		
16-12	maa	1:01 464	7:23 59	13:36 468	19:47 74			01:13 439	07:41 33	13:46 441	20:04 50		0:24 347	7:31 35	13:00 348	19:49 51		
17-12	din	1:50 471	8:14 55	14:30 467	20:36 82			02:02 447	08:31 29	14:39 441	20:51 59		1:18 354	8:19 30	13:55 349	20:33 55		
18-12	woe	09:39 EK	2:38 474	9:02 65	15:19 460	21:20 100		02:49 449	09:17 41	15:27 435	21:33 78		2:08 358	9:04 37	14:44 346	21:13 67		
19-12	don		3:23 470	9:45 88	16:02 447	21:58 123		03:32 445	09:58 66	16:10 424	22:08 102		2:52 359	9:45 57	15:28 340	21:49 86		
20-12	vry		4:02 465	10:23 113	16:38 435	22:31 142		04:10 439	10:34 92	16:47 413	22:39 121		3:31 357	10:23 80	16:06 333	22:21 105		
21-12	zat		4:35 463	10:59 130	17:11 428	23:05 151		04:43 438	11:08 107	17:20 408	23:11 129		4:01 358	10:58 98	16:39 327	22:54 117		
22-12	zon		5:11 465	11:38 134	17:50 426	23:45 153		05:17 440	11:45 110	18:00 406	23:51 129		4:26 360	11:35 105	17:12 324	23:32 110		
23-12	maa		5:56 464	12:23 131	18:41 425	0:36 154		06:00 439	12:31 107	18:53 402	00:42 130				5:01 359	12:20 103	18:00 320	
24-12	din		0:36 154	6:53 455	13:18 130	19:40 421		00:42 130	07:01 428	13:27 107	19:56 397		0:23 118	5:56 347	13:18 98	19:09 314		
25-12	woe		1:38 154	7:58 439	14:21 132	20:43 418		01:45 131	08:13 412	14:32 108	20:58 393		1:28 115	7:18 330	14:24 93	20:21 311		
26-12	don		2:49 151	9:04 424	15:27 132	21:45 419		02:59 127	09:19 399	15:38 109	21:57 395		2:46 107	8:43 318	15:29 88	21:22 314		
27-12	vry	01:33 VM	4:00 141	10:06 417	16:27 130	22:40 428		04:09 116	10:17 391	16:37 107	22:50 404		3:58 95	9:44 314	16:26 86	22:14 323		
28-12	zat		5:01 129	11:01 420	17:19 125	23:29 443		05:08 103	11:10 394	17:30 102	23:39 420		4:55 85	10:34 316	17:15 85	22:59 336		
29-12	zon		5:52 117	11:51 432	18:07 117	0:15 463		06:00 92	12:00 406	18:19 95			5:44 78	11:18 325	17:59 83	23:42 352		
30-12	maa		6:39 106	12:38 447	18:53 109		00:26 440	06:49 83	12:49 421	19:05 88			6:29 74	12:00 336	18:41 80			
31-12	din	1:00 480	7:24 98	13:25 457	19:39 104		01:13 456	07:36 77	13:38 430	19:50 84		0:22 366	7:15 70	12:43 343	19:26 78			