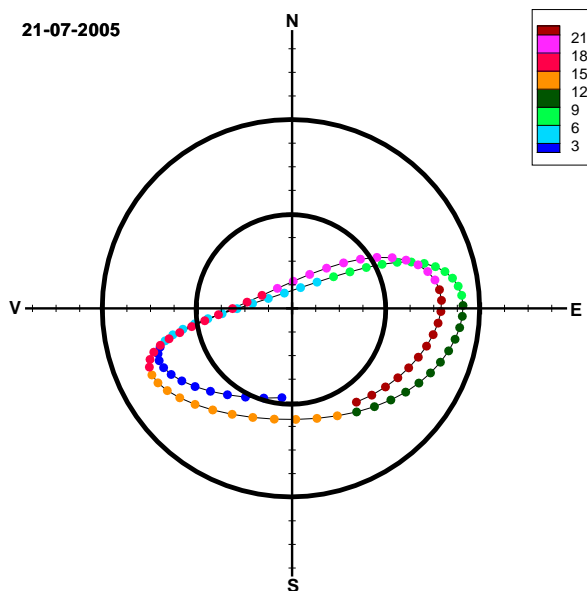


Sjóvarfalsrákið á Munkagrunninum í ár 2005

Knud Simonsen



SEMI-SEMI
Thesis

TØKNIFRÁGREIÐING
Technical Report

UNDIRVÍSINGARTILFAR
Teaching Material

UPPRIT
Notes

NVDRit 2005:11

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Inngangur

Útrokningarnar eru grundaðar á einari streymmáting á positiún 61°12' N og 6°30' V á Munkagrunninum í tíðarskeiðinum 09.02 – 25.07 1981. Hettar er ein av fleiri streymmátingum, sum Fiskirannsóknarstovan framdi á hesum staðnum frá 1977 til 1982. Útrokningarnar eru gjørdar á Náttúruvísindadeildini á Fróðskaparsetur Føroya, sum partur av einari streymkunningar verkætlan. Meira fæst at vita um verkætlanina á vevsíðuni www.streymkort.fo.

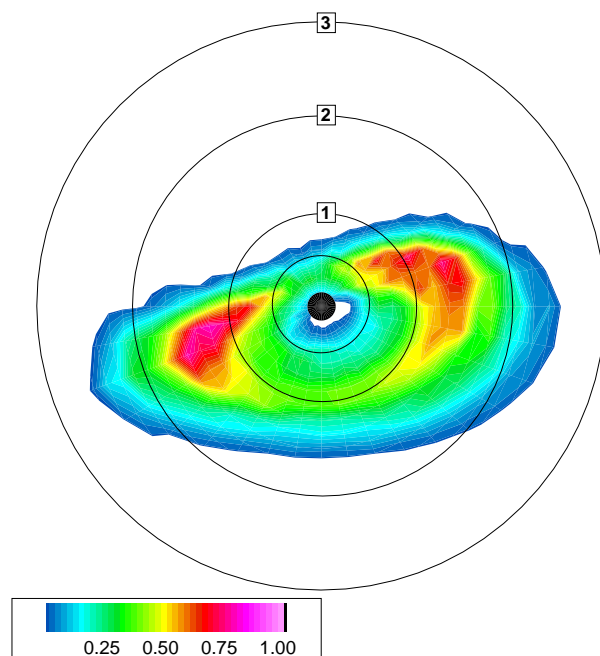
Fyrivarni

Útrokningar eru gjørdar eftir bestu sannføring og ongin ábyrgd verður tikin fyri avleiðingum orsakaðar av avgerðum grundaðar á hesar útrokningar. Um skeivleikar eru, so vil undirritaði fegin frætta um teir, soleiðis at neyðugar rættingar kunnu gerast. Viðmerkingar um streymkurvuna og talvuna annars eru eisini vælkomnar.

Knud Simonsen
Náttúruvísindadeildin
Fróðskaparsetur Føroya.

Streymrósur

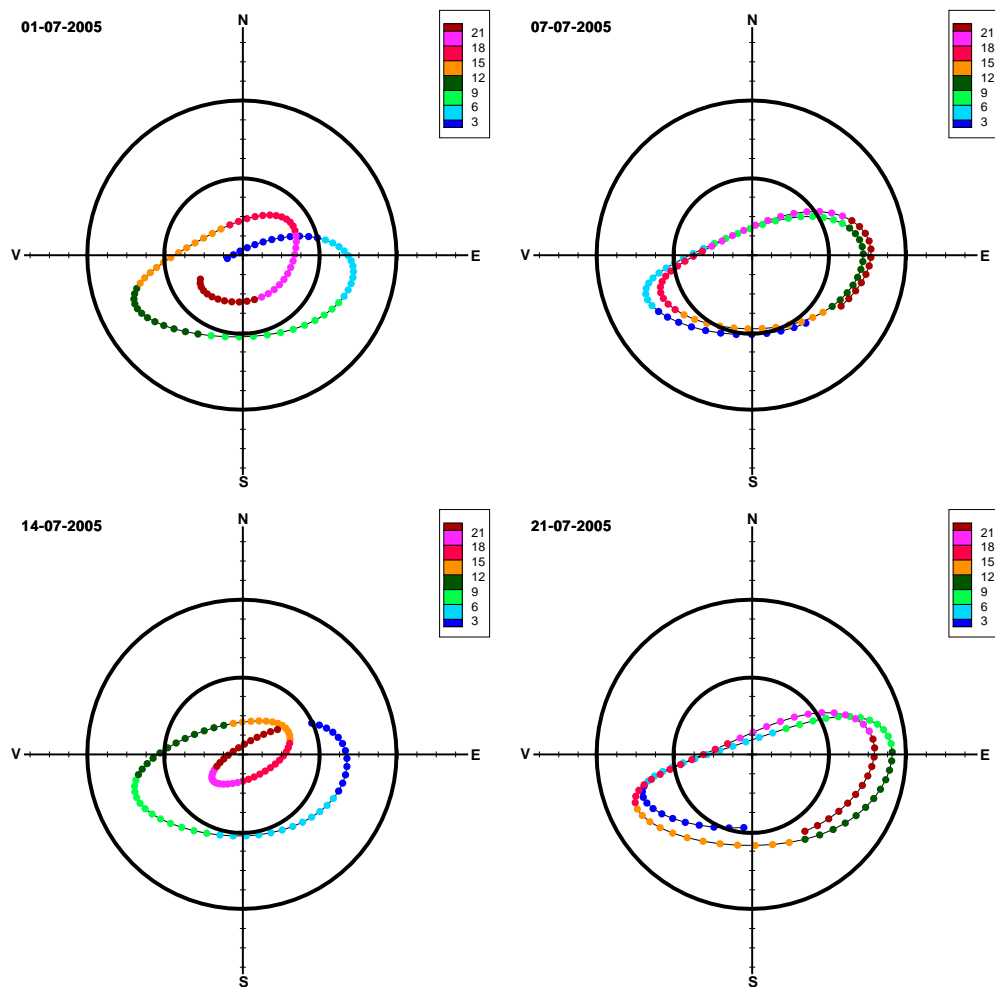
Ein streymrósa vísir hvussu stóran brøkpart av einum árið, ið ráki á einum staðið hevur ávísa ferð og kós. Á mynd 1 er streymrósa fyri Munkagrunnin í ár 2005. Hon vísir, at eystfallið á mátistaðnum stórt sæð liggur millum eystan og høgan eystan, meðan vestfallið liggur millum vestan og lágan vestan. Streymferðin á broddi liggur oftast millum 0.5 og 1.5 knob, men stundum rekur harðari enn 2.5 knob. Eisini sæst, at tað er sjálvdan heilt kyrt.



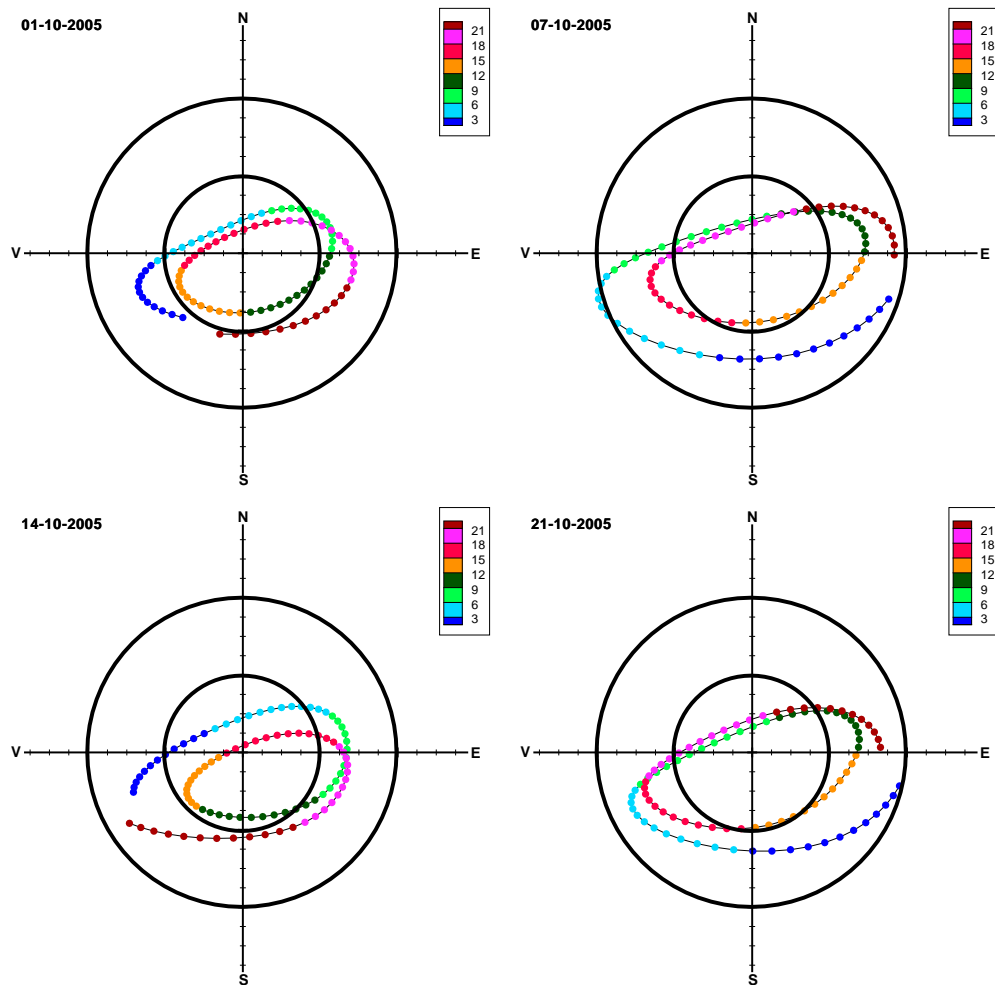
Mynd 1: Streymrósa fyri Munkagrunnin 2005. Sirklarnir vísa streymferð í knob, og litirnir vísa brøkpartin (%) av einum árið, ið rákið hevur ávísa ferð og kós.

Streymellipsur

Sjóvarfalsrákið kann lýsast við einum ørvi, har oddurin ferðast eftur einari ellipsu. Her á okkara leiðum er sjóvarfallið í stóran mun hálvdagligt, t.v.s. at tað fløðir og fjarðar tvær ferðir um døgni. Fyri streymin merkir hetta, at ørvurin skal ferðast kring tvær ellipsur um dagin. Um vit bert høvdu dagligt sjóvarfall, so hevði fløtt og fjarða bert einaferð í einum samdøgni. Sjóvarfallið á landgrunninum er sum nevnt í stóran mun hálvdagligt, men eitt sindur av dagligum sjóvarfallið er eisini. Serliga tykist hetta at verða so á sunnaru leiðunum. Hetta ger, at tveir fylgjandi broddar ikki altíð eru líka harði ella at tvey fylgjandi kyrrindir ikki altíð eru líka kyrr. Á myndunum 2 og 3 eru hetta víst við sjóvarfals ellipsur á Munkagrunninum fyri nakrar dagar í 2005.



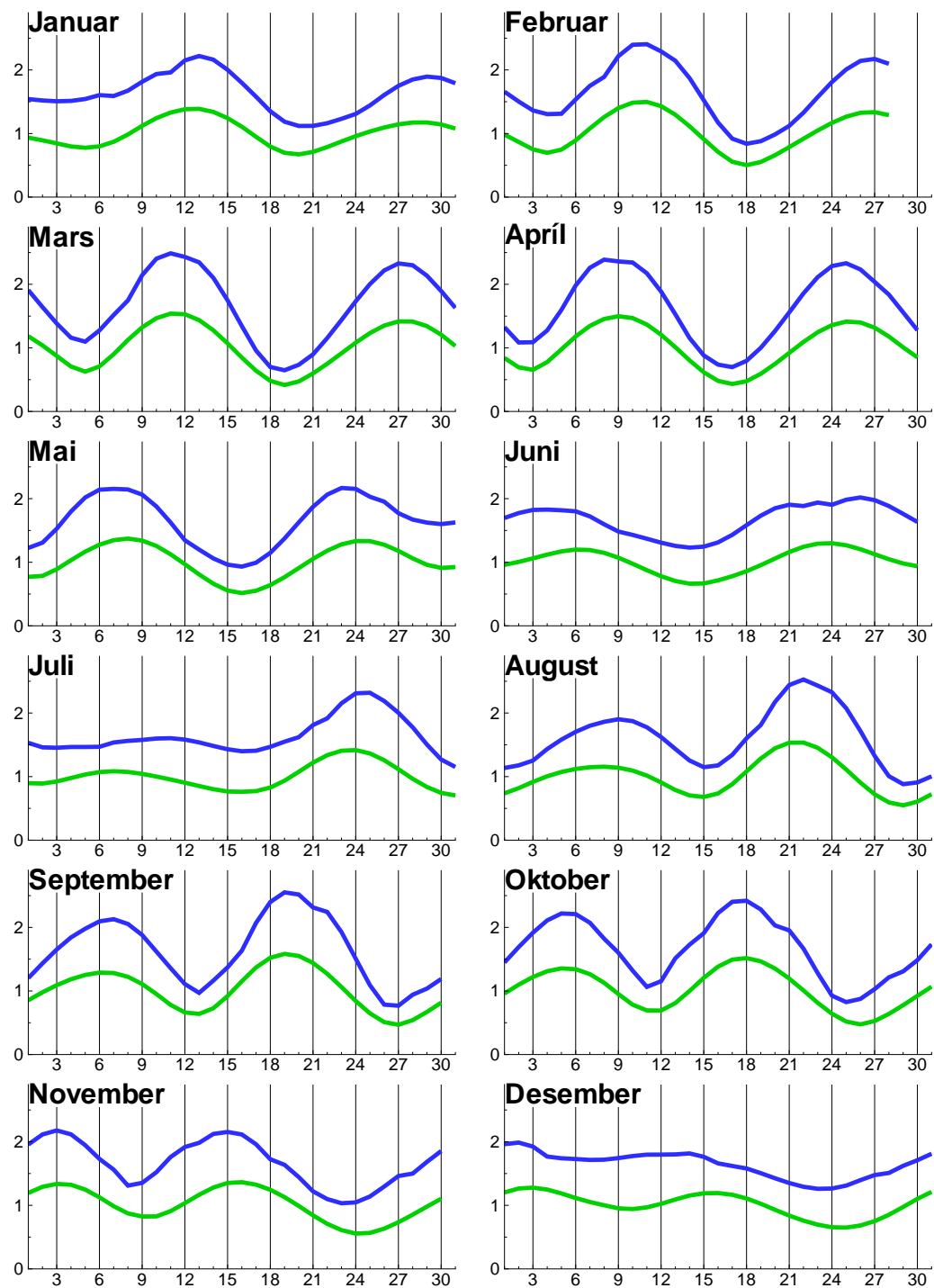
Mynd 2: Sjóvarfalsellipsur á Munkagrunninum fyri fýra dagar í januar mánaða í 2005. Litirnir vísa klokkutíðirnar. Fyrsta tíðin er kl 00¹⁵, og litirnir skifta hvønn triðða tíma. Millum hvønn runda blettin er 15 minuttir. Sirklarnir vísa streymferðir uppá ávikavist 1 og 2 knob.



Mynd 3: Sjóvarfalsellipsur á Munkagrúnninum fyri fýra dagar í október mánaða í 2005. Litirnir vísa klókkutíðirnar. Fyrsta tíðin er kl 00¹⁵, og litirnir skifta hvønn triðja tíma. Millum hvønn runda blettin er 15 minuttir. Sirklarnir vísa streymferðir uppá ávíkavist 1 og 2 knob.

Streymkurva

Streymkurvan á mynd 4 vísir dagligu miðal streymstyrkina (grøna linjan) og harðasta rákið fyri hvønn dag (bláa linjan) á mátistaðnum á Munkagrunninum. Hóast roknaða rákið bert er galdandi fyri sjálvtt mátistaðið, so eru lutfalsligu broytingarnar galdandi fyri stórar partar av landgrunninum. Ferðin er givin í knob (fjórðingar um tíman). Av tí at útrokningarnar eru grundaðar á mátingar, eigur ikki at verða roknað við nakrari seinking í streyminum í mun til kurvurnar.



Mynd 4: Streymkurva fyrir Munkagrunninn 2005. Grøna linjan vísir dagligan miðal streym og bláa linjan vísir harðasta ráki fyrir hvønn dagin á mátistaðnum.

Tíðir fyri kyrrindir og broddar

Tíðirnar fyri eystfalsbroddar (EFB), eystfalskyrrindir (EFK), vestfalsbroddar (VFB) og vestfalskyrrindir (VFK) eru roknaðar fyri mátistaðið á Munkagrunninum. Í mun til Suðuroyarfirði skiftir rákið á Munkagrunninum umleið hálvan tíma áðrenn.

Í tíðarskeiðinum frá 27 mars til 30 oktober, 2005, eru klokkutíðirnar føroysk summar-tíð.

Áftan fyri klokkutíðirnar er rákið á mátistaðnum givið í knob. Roknaða rákið er, sum fyri streymkurvuna, bert fyri mátistaðið á Munkagrunninum, og er sum so ikki galdandi aðrastaðni, men um hugt verður eftur tølnum, so sæst, at stundum eru tveir fylgjandi broddar, ella tveir fylgjandi vestfals (ella eystfals) broddar ikki líka harðir og at munur kann verða á kyrrindunum. Hóast roknaða rákið ikki er galdandi aðrastaðni enn á mátistaðnum, so er tann lutfalsligi munurin tó galdandi á stórum parti á landgrunninum. Hesi viðurskiftini eru tó ikki galdandi flestu staðni nær landi og inni á firðunum, har streymurin er nærur eingin á kyrrindunum.

Við í útrokningunum er sjóvarfallið og eitt miðalrák, sum er í ein landsynningsunnan á mátistaðnum. Streymur, ið er orsakaður av vindi og broyt-andi barometurstandi er ikki við.

Úti á landgrunninum kann rákið lýsast við einum ørvi, har oddurin ferðast eftir einari ellipsu. Broddur og kyrrindir eru tá ørvurin er ávikavist longst og stytst, og er hettar nýtt til at rokna klokkutíðirnar. Stundum ber ikki til at rokna klokkutíðirnar á hendan hátt, og er hettar merkt við strikum í talvuni.

Januar 2005

Pos.: 61°12' N, 6°30' V

Dag	EFB		EFK		VFB		VFK	
	tt:mm	råk	tt:mm	råk	tt:mm	råk	tt:mm	råk
01	00:38	1.0	03:58	0.6	06:11	0.8	08:58	0.3
	13:18	1.5	16:23	1.1	18:59	1.5	22:48	0.4
02	01:19	0.9	04:32	0.5	06:50	0.7	09:32	0.2
	14:02	1.4	17:08	1.1	19:50	1.5	23:48	0.4
03	02:08	0.8	05:16	0.4	07:35	0.6	10:14	0.1
	14:50	1.3	17:54	1.1	20:47	1.5		
04							00:52	0.4
	03:07	0.7	06:13	0.4	08:28	0.5	11:06	0.1
05	15:43	1.2	18:44	1.0	21:47	1.5		
							01:54	0.4
06	04:18	0.7	07:23	0.4	09:25	0.5	12:09	0.0
	16:44	1.2	19:42	1.0	22:52	1.5		
07							02:52	0.3
	05:32	0.7	08:50	0.5	10:37	0.5	13:21	0.1
08	17:52	1.3	20:49	1.1	23:56	1.6		
							03:46	0.3
09	06:34	0.9	09:57	0.6	11:58	0.7	14:35	0.1
	18:55	1.4	22:00	1.1				
10					00:54	1.7	04:36	0.2
	07:27	1.0	10:44	0.7	13:05	1.0	15:46	0.1
11	19:53	1.6	23:09	1.2				
					01:48	1.7	05:21	0.2
12	08:15	1.2	11:28	0.8	14:01	1.3	16:53	0.2
	20:46	1.8						
13			00:13	1.2	02:38	1.7	06:02	0.2
	09:02	1.4	12:13	1.0	14:52	1.6	17:55	0.2
14	21:39	1.9						
			01:14	1.2	03:25	1.7	06:40	0.2
15	09:50	1.6	13:02	1.2	15:41	1.9	18:56	0.3
	22:31	2.0						
16			02:09	1.2	04:10	1.6	07:17	0.3
	10:41	1.8	13:53	1.3	16:30	2.2	19:55	0.4
17	23:22	1.9						
			02:59	1.1	04:55	1.5	07:53	0.3
18	11:32	2.0	14:44	1.4	17:20	2.2	20:53	0.5
	00:12	1.7	03:46	1.0	05:39	1.3	08:30	0.2
19	12:22	2.0	15:35	1.4	18:12	2.2	21:52	0.5
	01:00	1.4	04:29	0.9	06:23	1.1	09:10	0.2
20	13:12	2.0	16:27	1.3	19:05	2.0	22:53	0.5

Dag	EFB		EFK		VFB		VFK	
	tt:mm	råk	tt:mm	råk	tt:mm	råk	tt:mm	råk
16	01:46	1.2	05:09	0.7	07:09	0.9	09:52	0.2
	14:03	1.8	17:21	1.2	20:01	1.8	23:55	0.4
17	02:33	0.9	05:45	0.6	07:59	0.7	10:40	0.1
	14:59	1.6	18:18	1.1	20:59	1.5		
18							01:00	0.4
	03:26	0.7	06:18	0.4	08:54	0.6	11:38	0.1
19	16:07	1.4	19:22	1.0	22:01	1.3		
							02:07	0.3
20	04:29	0.6	06:52	0.4	09:59	0.6	12:50	0.1
	17:30	1.2	20:31	0.9	23:06	1.2		
21							03:08	0.3
	05:39	0.6	07:37	0.5	11:17	0.6	14:16	0.2
22	18:45	1.1	21:38	0.9				
					00:08	1.1	03:57	0.3
23	06:46	0.7	10:24	0.6	12:29	0.7	15:36	0.2
	19:41	1.1	22:38	0.8				
24					01:03	1.1	04:37	0.3
	07:40	0.9	11:12	0.7	13:26	0.9	16:38	0.2
25	20:25	1.2	23:28	0.8				
					01:51	1.1	05:12	0.3
26	08:22	1.1	11:50	0.8	14:11	1.1	17:26	0.3
	21:02	1.2						
27			00:12	0.9	02:32	1.2	05:45	0.3
	09:00	1.3	12:24	0.9	14:50	1.3	18:05	0.3
28	21:34	1.3						
			00:49	0.9	03:08	1.2	06:15	0.3
29	09:37	1.4	12:56	1.0	15:24	1.4	18:41	0.3
	22:04	1.4						
30			01:24	0.9	03:41	1.2	06:43	0.4
	10:14	1.6	13:28	1.1	15:58	1.6	19:18	0.4
31	22:33	1.4						
			01:55	0.9	04:11	1.2	07:09	0.4
32	10:51	1.7	14:03	1.2	16:32	1.7	19:57	0.4
	23:03	1.4						
33			02:24	0.8	04:41	1.2	07:34	0.4
	11:29	1.8	14:39	1.2	17:09	1.9	20:39	0.5
34	23:34	1.3						
			02:52	0.8	05:12	1.1	08:01	0.4
35	12:06	1.8	15:17	1.3	17:48	1.9	21:25	0.5
	00:10	1.2	03:22	0.7	05:46	1.1	08:30	0.3
36	12:42	1.8	15:56	1.3	18:30	1.9	22:14	0.5
	00:50	1.1	03:56	0.6	06:22	1.0	09:04	0.3
37	13:19	1.7	16:35	1.2	19:16	1.8	23:07	0.5

Februar 2005

Pos.: 61°12' N, 6°30' V

Dag	EFB		EFK		VFB		VFK	
	tt:mm	rák	tt:mm	rák	tt:mm	rák	tt:mm	rák
01	01:36	0.9	04:36	0.5	07:03	0.8	09:42	0.2
	13:59	1.5	17:17	1.2	20:07	1.7		
02							00:05	0.4
	02:30	0.8	05:24	0.4	07:52	0.7	10:28	0.1
	14:48	1.4	18:06	1.1	21:04	1.5		
03							01:10	0.3
	03:33	0.7	06:20	0.4	08:53	0.5	11:28	0.1
	15:51	1.2	19:13	1.0	22:12	1.4		
04							02:21	0.2
	04:49	0.6	07:27	0.4	10:11	0.5	12:50	0.1
	17:22	1.2	20:42	1.0	23:30	1.3		
05							03:29	0.2
	06:08	0.6	08:56	0.5	11:39	0.7	14:24	0.1
	18:56	1.3	22:07	1.0				
06					00:40	1.3	04:25	0.2
	07:13	0.8	10:08	0.7	12:53	1.0	15:50	0.1
	20:00	1.5	23:19	1.1				
07					01:38	1.4	05:09	0.2
	08:08	1.1	11:05	0.9	13:52	1.5	17:01	0.2
	20:51	1.8						
08			00:21	1.1	02:28	1.5	05:46	0.2
	08:56	1.5	11:59	1.1	14:44	1.9	18:02	0.3
	21:37	1.9						
09			01:12	1.1	03:13	1.5	06:19	0.2
	09:43	1.8	12:51	1.3	15:32	2.2	18:58	0.4
	22:21	1.9						
10			01:57	1.1	03:56	1.5	06:53	0.3
	10:28	2.1	13:42	1.5	16:19	2.4	19:50	0.5
	23:02	1.9						
11			02:37	1.1	04:37	1.5	07:28	0.3
	11:13	2.3	14:31	1.5	17:05	2.4	20:40	0.6
	23:43	1.7						
12			03:12	1.0	05:17	1.4	08:05	0.3
	11:58	2.3	15:20	1.5	17:51	2.3	21:29	0.5
13	00:22	1.4	03:44	0.9	05:57	1.3	08:44	0.3
	12:43	2.1	16:08	1.3	18:37	2.0	22:18	0.5
14	01:03	1.2	04:12	0.7	06:39	1.1	09:26	0.3
	13:30	1.9	16:58	1.2	19:25	1.7	23:09	0.4
15	01:46	0.9	04:37	0.5	07:24	0.9	10:11	0.2
	14:22	1.5	17:51	1.0	20:14	1.3		

Dag	EFB		EFK		VFB		VFK	
	tt:mm	rák	tt:mm	rák	tt:mm	rák	tt:mm	rák
16							00:05	0.3
	02:35	0.6	05:07	0.4	08:14	0.7	11:05	0.2
	15:29	1.2	18:54	0.9	21:11	1.0		
17							01:11	0.2
	03:38	0.5	05:47	0.3	09:16	0.6	12:18	0.2
	17:11	0.9	20:14	0.7	22:21	0.8		
18							02:24	0.2
	05:04	0.4	06:26	0.4	10:43	0.5	13:58	0.2
	18:43	0.8	21:39	0.7	23:39	0.8		
19							03:29	0.2
	08:28	0.6	09:45	0.5	12:08	0.7	15:31	0.2
	19:39	0.9	22:42	0.7				
20					00:45	0.8	04:17	0.2
	07:49	0.7	10:37	0.6	13:08	0.9	16:31	0.2
	20:17	1.0	23:28	0.7				
21					01:35	0.9	04:53	0.3
	08:16	1.0	11:15	0.7	13:51	1.1	17:12	0.3
	20:46	1.1						
22			00:03	0.8	02:14	1.0	05:23	0.3
	08:47	1.2	11:50	0.9	14:27	1.3	17:47	0.3
	21:11	1.3						
23			00:31	0.8	02:47	1.1	05:50	0.3
	09:19	1.4	12:24	1.0	15:00	1.6	18:21	0.4
	21:37	1.4						
24			00:58	0.9	03:16	1.2	06:14	0.4
	09:52	1.7	12:59	1.2	15:33	1.8	18:56	0.4
	22:03	1.5						
25			01:24	0.9	03:45	1.3	06:38	0.4
	10:26	1.9	13:34	1.3	16:07	2.0	19:33	0.5
	22:32	1.5						
26			01:52	0.9	04:14	1.3	07:03	0.4
	10:59	2.0	14:10	1.4	16:43	2.1	20:12	0.5
	23:05	1.5						
27			02:22	0.9	04:46	1.3	07:31	0.4
	11:32	2.1	14:47	1.4	17:21	2.2	20:54	0.6
	23:42	1.4						
28			02:54	0.8	05:20	1.3	08:03	0.4
	12:05	2.0	15:24	1.4	18:01	2.1	21:38	0.5

Mars 2005

Pos.: 61°12' N, 6°30' V

Dag	EFB		EFK		VFB		VFK	
	tt:mm	råk	tt:mm	råk	tt:mm	råk	tt:mm	råk
01	00:24	1.3	03:28	0.8	05:57	1.2	08:39	0.3
	12:41	1.9	16:03	1.3	18:44	1.9	22:26	0.4
02	01:09	1.1	04:04	0.7	06:39	1.0	09:20	0.3
	13:22	1.6	16:49	1.2	19:32	1.6	23:21	0.3
03	02:00	0.9	04:44	0.5	07:29	0.8	10:09	0.2
	14:14	1.4	17:49	1.0	20:27	1.3		
04							00:29	0.2
	03:00	0.6	05:29	0.4	08:33	0.7	11:16	0.1
05	15:28	1.2	19:18	0.9	21:40	1.1		
							01:54	0.1
06	04:18	0.5	06:24	0.3	09:56	0.7	12:53	0.1
	17:38	1.1	21:01	0.9	23:13	1.0		
07							03:14	0.1
	05:57	0.5	07:33	0.5	11:30	0.9	14:39	0.1
08	19:10	1.3	22:26	0.9				
					00:30	1.1	04:08	0.2
09	07:18	0.8	09:42	0.8	12:45	1.3	16:03	0.2
	20:03	1.5	23:30	1.0				
10					01:27	1.2	04:46	0.2
	08:06	1.2	10:47	1.0	13:43	1.7	17:07	0.4
11	20:45	1.7						
			00:19	1.0	02:13	1.3	05:19	0.2
12	08:46	1.7	11:43	1.2	14:33	2.1	18:01	0.5
	21:21	1.8						
13			00:59	1.1	02:55	1.4	05:52	0.2
	09:26	2.1	12:35	1.4	15:18	2.4	18:49	0.6
14	21:57	1.9						
			01:33	1.1	03:35	1.5	06:27	0.3
15	10:07	2.3	13:25	1.5	16:01	2.5	19:33	0.6
	22:32	1.8						
16			02:04	1.1	04:14	1.6	07:04	0.3
	10:49	2.4	14:13	1.5	16:43	2.4	20:15	0.5
17	23:09	1.7						
			02:33	1.1	04:52	1.5	07:43	0.4
18	11:31	2.3	14:59	1.4	17:25	2.2	20:55	0.5
	23:46	1.5						
19			03:00	0.9	05:31	1.4	08:23	0.4
	12:14	2.1	15:45	1.3	18:06	1.8	21:36	0.4
20	00:25	1.2	03:27	0.8	06:10	1.2	09:05	0.4
	12:58	1.7	16:32	1.1	18:46	1.5	22:18	0.3

Dag	EFB		EFK		VFB		VFK	
	tt:mm	råk	tt:mm	råk	tt:mm	råk	tt:mm	råk
16	01:07	1.0	03:55	0.6	06:52	1.0	09:50	0.3
	13:47	1.3	17:23	0.9	19:28	1.1	23:05	0.2
17	01:54	0.7	04:27	0.5	07:39	0.8	10:44	0.3
	14:55	1.0	18:29	0.7	20:11	0.8		
18							00:03	0.1
	02:56	0.5	05:04	0.4	08:40	0.6	12:01	0.2
19	16:54	0.7	—	—	—	—		
							01:22	0.1
20	04:30	0.4	—	—	10:13	0.6	13:49	0.2
	18:32	0.6	22:21	0.5	—	—	—	—
21	—	—	—	—	11:41	0.7	15:21	0.2
	19:26	0.7	22:58	0.5				
22					00:20	0.6	03:46	0.2
	07:41	0.7	09:46	0.6	12:40	0.9	16:13	0.2
23	19:55	0.9	23:26	0.6				
					01:10	0.7	04:22	0.2
24	07:59	0.9	10:32	0.7	13:23	1.2	16:50	0.3
	20:16	1.0	23:45	0.7				
25					01:46	0.9	04:49	0.3
	08:26	1.2	11:11	0.9	13:59	1.4	17:23	0.4
26	20:39	1.2						
			00:03	0.8	02:15	1.0	05:13	0.3
27	08:55	1.5	11:48	1.1	14:32	1.7	17:55	0.4
	21:04	1.4						
28			00:26	0.9	02:44	1.2	05:37	0.3
	09:24	1.8	12:24	1.3	15:06	2.0	18:30	0.5
29	21:32	1.5						
			00:54	0.9	03:14	1.3	06:02	0.3
30	09:54	2.0	13:01	1.4	15:40	2.2	19:06	0.5
	22:03	1.6						
31			02:24	0.9	04:46	1.4	07:31	0.4
	11:25	2.1	14:38	1.5	17:16	2.3	20:43	0.5
32	23:39	1.7						
			02:57	1.0	05:21	1.4	08:04	0.4
33	11:57	2.2	15:16	1.5	17:54	2.3	21:22	0.5
	00:18	1.6	03:30	0.9	05:58	1.4	08:41	0.4
34	12:33	2.1	15:56	1.4	18:34	2.1	22:04	0.4
	00:59	1.4	04:04	0.9	06:38	1.4	09:22	0.4
35	13:13	1.9	16:42	1.3	19:16	1.8	22:50	0.3
	01:45	1.2	04:38	0.8	07:22	1.2	10:09	0.3
36	14:00	1.6	17:39	1.1	20:04	1.5	23:43	0.2

Apríl 2005

Pos.: 61°12' N, 6°30' V

Dag	EFB		EFK		VFB		VFK	
	tt:mm	rák	tt:mm	rák	tt:mm	rák	tt:mm	rák
01	02:37	0.9	05:14	0.6	08:15	1.0	11:09	0.2
	15:01	1.3	18:58	0.9	21:01	1.1		
02							00:53	0.1
	03:41	0.6	05:56	0.5	09:23	0.9	12:31	0.1
	16:40	1.1	—	—	—	—		
03							02:21	0.1
	05:09	0.5	06:47	0.5	10:50	0.9	14:17	0.2
	18:53	1.1	—	—	23:53	0.8		
04							03:38	0.1
	07:29	0.7	—	—	12:22	1.2	15:55	0.3
	20:04	1.3	23:39	0.8				
05					01:09	0.9	04:30	0.1
	08:12	1.0	10:25	0.9	13:33	1.6	17:07	0.4
	20:49	1.5						
06			00:27	0.9	02:04	1.0	05:09	0.1
	08:48	1.5	11:29	1.1	14:28	2.0	18:02	0.5
	21:22	1.6						
07			01:03	1.0	02:49	1.2	05:46	0.1
	09:25	1.9	12:24	1.3	15:15	2.3	18:49	0.6
	21:54	1.7						
08			01:33	1.1	03:31	1.4	06:23	0.2
	10:03	2.2	13:16	1.4	15:58	2.4	19:31	0.6
	22:26	1.7						
09			02:00	1.1	04:11	1.5	07:02	0.3
	10:43	2.4	14:05	1.5	16:39	2.4	20:08	0.5
	23:01	1.7						
10			02:28	1.1	04:50	1.6	07:43	0.4
	11:25	2.3	14:52	1.4	17:18	2.2	20:44	0.5
	23:37	1.6						
11			02:57	1.1	05:29	1.6	08:24	0.4
	12:06	2.2	15:37	1.4	17:57	2.0	21:19	0.4
12	00:15	1.5	03:30	1.0	06:07	1.5	09:06	0.4
	12:48	1.9	16:20	1.2	18:34	1.6	21:54	0.3
13	00:55	1.3	04:03	0.9	06:46	1.3	09:49	0.4
	13:31	1.5	17:06	1.0	19:11	1.3	22:31	0.3
14	01:38	1.1	04:37	0.7	07:26	1.1	10:37	0.3
	14:17	1.2	17:56	0.8	19:46	0.9	23:09	0.2
15	02:26	0.8	05:12	0.6	08:12	0.9	11:34	0.3
	15:21	0.8	19:04	0.6	—	—	23:55	0.1

Dag	EFB		EFK		VFB		VFK	
	tt:mm	rák	tt:mm	rák	tt:mm	rák	tt:mm	rák
16	03:29	0.6	05:51	0.5	09:11	0.7	12:51	0.2
	17:08	0.6	—	—	—	—		
17							01:00	0.1
	04:52	0.5	—	—	10:33	0.7	14:28	0.2
	18:44	0.5	—	—	—	—		
18							02:28	0.1
	—	—	—	—	11:58	0.8	15:51	0.2
	19:42	0.6	—	—	—	—		
19							03:39	0.1
	07:59	0.7	09:49	0.7	13:00	1.0	16:43	0.3
	20:10	0.8						
20			00:19	0.5	01:16	0.5	04:23	0.2
	08:27	1.0	10:45	0.8	13:46	1.3	17:21	0.4
	20:34	1.0	23:15	0.7				
21					01:58	0.7	04:56	0.2
	08:55	1.3	11:29	1.0	14:25	1.6	17:54	0.4
	21:01	1.2						
22			00:28	0.7	02:33	0.9	05:25	0.2
	09:22	1.5	12:08	1.1	15:01	1.9	18:28	0.5
	21:30	1.4						
23			00:55	0.8	03:07	1.1	05:54	0.2
	09:50	1.8	12:47	1.3	15:36	2.1	19:02	0.5
	22:02	1.6						
24			01:27	0.9	03:43	1.2	06:27	0.3
	10:19	2.0	13:26	1.4	16:12	2.3	19:38	0.5
	22:37	1.7						
25			02:00	1.0	04:20	1.4	07:02	0.3
	10:52	2.1	14:07	1.5	16:50	2.3	20:15	0.5
	23:14	1.7						
26			02:35	1.0	04:59	1.5	07:42	0.3
	11:29	2.1	14:51	1.4	17:29	2.2	20:53	0.4
	23:55	1.6						
27			03:09	1.0	05:40	1.5	08:25	0.3
	12:10	2.0	15:41	1.4	18:11	2.0	21:35	0.3
28	00:39	1.5	03:45	1.0	06:23	1.5	09:14	0.3
	12:57	1.8	16:37	1.2	18:56	1.7	22:20	0.3
29	01:28	1.3	04:22	0.9	07:11	1.4	10:12	0.3
	13:53	1.6	17:45	1.0	19:45	1.3	23:12	0.2
30	02:26	1.0	05:04	0.8	08:09	1.3	11:24	0.2
	15:08	1.3	19:08	0.8	20:43	0.9		

Mai 2005

Pos.: 61°12' N, 6°30' V

Dag	EFB		EFK		VFB		VFK	
	tt:mm	råk	tt:mm	råk	tt:mm	råk	tt:mm	råk
01							00:14	0.1
	03:37	0.9	05:58	0.7	09:20	1.2	12:55	0.2
	16:56	1.1	20:53	0.7	21:47	0.7		
02							01:29	0.0
	05:02	0.8	07:13	0.8	10:44	1.3	14:32	0.3
	18:31	1.1						
03			02:39	0.0	06:32	1.0	08:50	0.9
	12:06	1.5	15:56	0.5	19:36	1.2	23:32	0.7
04	00:28	0.7	03:36	0.0	07:33	1.3	10:05	1.0
	13:13	1.8	16:59	0.6	20:16	1.3		
05							00:05	0.8
	01:29	0.9	04:24	0.1	08:18	1.6	11:08	1.2
	14:06	2.0	17:49	0.6	20:49	1.4		
06							00:32	0.9
	02:19	1.1	05:10	0.1	08:59	1.9	12:04	1.3
	14:53	2.1	18:30	0.6	21:22	1.5		
07							00:58	1.0
	03:05	1.3	05:56	0.2	09:41	2.1	12:56	1.3
	15:35	2.2	19:07	0.5	21:56	1.5		
08							01:25	1.0
	03:47	1.5	06:41	0.3	10:22	2.1	13:45	1.4
	16:15	2.1	19:40	0.4	22:33	1.6		
09							01:58	1.1
	04:28	1.6	07:26	0.4	11:04	2.1	14:31	1.3
	16:53	1.9	20:13	0.4	23:11	1.6		
10							02:35	1.1
	05:08	1.6	08:10	0.4	11:46	1.9	15:15	1.2
	17:31	1.7	20:45	0.3	23:51	1.5		
11							03:15	1.0
	05:47	1.5	08:54	0.4	12:28	1.6	15:58	1.1
	18:07	1.4	21:18	0.3				
12					00:33	1.4	03:54	0.9
	06:26	1.3	09:39	0.4	13:10	1.3	16:42	0.9
	18:42	1.1	21:52	0.2				
13					01:18	1.2	04:31	0.8
	07:06	1.2	10:27	0.3	13:53	1.1	17:29	0.7
	19:15	0.8	22:26	0.2				
14					02:07	1.0	05:07	0.7
	07:50	1.1	11:24	0.3	14:42	0.8	18:24	0.5
	19:45	0.6	23:00	0.1				
15					03:04	0.8	05:48	0.7
	08:43	1.0	12:32	0.3	15:50	0.6	19:25	0.4
	20:16	0.4	23:42	0.1				

Dag	EFB		EFK		VFB		VFK	
	tt:mm	råk	tt:mm	råk	tt:mm	råk	tt:mm	råk
16					04:11	0.7	06:38	0.6
	09:49	0.9	13:51	0.3	17:09	0.5	20:20	0.4
	—	—						
17			00:40	0.1	05:31	0.7	—	—
	11:01	1.0	15:07	0.3	18:15	0.5		
18							01:50	0.1
	06:49	0.9	08:55	0.8	12:07	1.1	16:04	0.4
	19:05	0.7						
19			02:54	0.1	07:38	1.0	09:54	0.9
	13:01	1.4	16:46	0.4	19:45	0.9	23:19	0.6
20	00:40	0.6	03:46	0.1	08:13	1.3	10:42	1.0
	13:46	1.6	17:23	0.5	20:22	1.1	23:52	0.7
21	01:41	0.8	04:30	0.2	08:43	1.5	11:26	1.1
	14:27	1.9	17:59	0.5	20:58	1.3		
22							00:27	0.8
	02:30	1.0	05:13	0.2	09:14	1.7	12:10	1.3
	15:07	2.1	18:35	0.4	21:35	1.5		
23							01:02	0.9
	03:15	1.2	05:55	0.2	09:48	1.9	12:57	1.3
	15:47	2.2	19:12	0.4	22:13	1.6		
24							01:37	0.9
	03:58	1.4	06:40	0.3	10:28	2.0	13:47	1.4
	16:28	2.2	19:51	0.3	22:53	1.6		
25							02:13	1.0
	04:42	1.5	07:28	0.3	11:11	2.0	14:41	1.4
	17:11	2.0	20:31	0.3	23:37	1.6		
26							02:52	1.0
	05:26	1.7	08:21	0.3	12:00	2.0	15:38	1.3
	17:55	1.8	21:13	0.3				
27					00:26	1.5	03:34	1.1
	06:13	1.7	09:19	0.3	12:55	1.8	16:40	1.1
	18:42	1.5	21:57	0.2				
28					01:20	1.4	04:21	1.0
	07:05	1.7	10:25	0.3	13:59	1.5	17:46	0.9
	19:33	1.1	22:43	0.2				
29					02:22	1.3	05:14	1.0
	08:05	1.6	11:40	0.3	15:14	1.3	18:59	0.8
	20:27	0.8	23:33	0.1				
30					03:27	1.3	06:15	1.0
	09:13	1.6	13:03	0.4	16:31	1.1	20:23	0.6
	21:22	0.7						
31			00:30	0.0	04:34	1.3	07:23	1.0
	10:27	1.6	14:27	0.5	17:43	1.0	—	—
	—	—						

Juni 2005

Pos.: 61°12' N, 6°30' V

Dag	EFB		EFK		VFB		VFK	
	tt:mm	råk	tt:mm	råk	tt:mm	råk	tt:mm	råk
01			01:33	0.0	05:44	1.3	08:35	1.0
	11:40	1.7	15:42	0.5	18:43	1.0	22:54	0.6
	23:38	0.7						
02			02:37	0.0	06:52	1.5	09:44	1.1
	12:44	1.8	16:42	0.5	19:31	1.0	23:23	0.7
03	00:50	0.8	03:40	0.1	07:48	1.6	10:47	1.1
	13:40	1.8	17:28	0.5	20:12	1.1	23:51	0.8
04	01:49	1.0	04:39	0.2	08:38	1.8	11:46	1.2
	14:28	1.8	18:07	0.5	20:52	1.2		
05							00:22	0.9
	02:41	1.2	05:35	0.3	09:24	1.8	12:39	1.2
	15:11	1.8	18:41	0.4	21:32	1.3		
06							00:59	1.0
	03:27	1.3	06:28	0.3	10:08	1.8	13:28	1.2
	15:52	1.7	19:13	0.4	22:12	1.5		
07							01:41	1.0
	04:10	1.5	07:16	0.3	10:50	1.7	14:14	1.1
	16:32	1.6	19:45	0.3	22:52	1.5		
08							02:24	1.1
	04:51	1.5	08:01	0.4	11:32	1.6	14:56	1.1
	17:10	1.4	20:18	0.3	23:34	1.5		
09							03:04	1.0
	05:29	1.5	08:44	0.4	12:12	1.4	15:38	1.0
	17:46	1.3	20:51	0.3				
10					00:17	1.5	03:41	1.0
	06:07	1.4	09:28	0.4	12:50	1.3	16:18	0.8
	18:20	1.0	21:22	0.3				
11					01:01	1.4	04:16	0.9
	06:45	1.4	10:14	0.4	13:26	1.1	16:57	0.7
	18:52	0.8	21:51	0.2				
12					01:47	1.3	04:52	0.9
	07:27	1.3	11:05	0.4	14:03	0.9	17:34	0.5
	19:24	0.6	22:18	0.2				
13					02:35	1.2	05:32	0.9
	08:13	1.3	12:03	0.3	14:43	0.7	18:08	0.4
	20:01	0.5	22:48	0.1				
14					03:26	1.1	06:18	0.9
	09:06	1.2	13:08	0.4	15:30	0.6	18:48	0.3
	20:47	0.4	23:28	0.1				
15					04:22	1.1	07:08	0.9
	10:06	1.2	14:16	0.4	16:30	0.5	19:40	0.3
	21:39	0.4						

Dag	EFB		EFK		VFB		VFK	
	tt:mm	råk	tt:mm	råk	tt:mm	råk	tt:mm	råk
16			00:23	0.1	05:25	1.1	08:03	0.9
	11:08	1.3	15:17	0.4	17:44	0.6	20:44	0.4
	22:31	0.4						
17			01:29	0.0	06:27	1.1	08:59	1.0
	12:09	1.4	16:07	0.4	18:50	0.7	22:08	0.5
	23:34	0.5						
18			02:36	0.1	07:19	1.2	09:53	1.0
	13:04	1.6	16:50	0.4	19:43	0.9	23:14	0.6
19	00:53	0.6	03:39	0.1	08:02	1.3	10:48	1.1
	13:54	1.7	17:31	0.3	20:28	1.1	23:57	0.7
20	01:59	0.8	04:38	0.1	08:45	1.5	11:45	1.2
	14:41	1.8	18:13	0.3	21:11	1.3		
21							00:36	0.8
	02:53	1.1	05:34	0.2	09:29	1.7	12:43	1.2
	15:27	1.9	18:54	0.3	21:54	1.4		
22							01:14	0.9
	03:42	1.4	06:30	0.2	10:17	1.9	13:43	1.3
	16:13	1.9	19:34	0.3	22:39	1.6		
23							01:55	1.0
	04:29	1.7	07:27	0.2	11:07	1.9	14:42	1.3
	16:59	1.8	20:14	0.3	23:27	1.6		
24							02:41	1.1
	05:16	1.9	08:25	0.3	12:00	1.9	15:39	1.2
	17:45	1.6	20:53	0.3				
25					00:19	1.7	03:29	1.2
	06:05	2.0	09:27	0.4	12:55	1.8	16:35	1.1
	18:31	1.4	21:33	0.2				
26					01:13	1.7	04:20	1.3
	06:58	2.0	10:31	0.4	13:54	1.6	17:30	0.9
	19:18	1.1	22:12	0.2				
27					02:08	1.7	05:13	1.3
	07:55	2.0	11:39	0.5	14:52	1.3	18:26	0.8
	20:07	0.9	22:55	0.1				
28					03:02	1.7	06:09	1.2
	08:56	1.9	12:51	0.5	15:48	1.1	19:20	0.6
	20:58	0.7	23:42	0.1				
29					03:59	1.6	07:09	1.1
	10:00	1.8	14:04	0.5	16:44	0.9	20:13	0.6
	21:53	0.6						
30			00:38	0.0	05:02	1.5	08:14	1.1
	11:06	1.6	15:15	0.5	17:44	0.8	21:09	0.6
	22:59	0.6						

Juli 2005

Pos.: 61°12' N, 6°30' V

Dag	EFB		EFK		VFB		VFK	
	tt:mm	rák	tt:mm	rák	tt:mm	rák	tt:mm	rák
01			01:47	0.1	06:15	1.5	09:23	1.1
	12:10	1.5	16:15	0.4	18:43	0.8	22:08	0.6
02	00:14	0.7	03:03	0.1	07:27	1.4	10:30	1.0
	13:10	1.5	17:03	0.4	19:40	0.8	23:04	0.7
03	01:23	0.8	04:19	0.2	08:26	1.5	11:33	1.0
	14:03	1.4	17:42	0.4	20:30	1.0	23:56	0.8
04	02:22	1.0	05:26	0.3	09:17	1.5	12:29	1.0
	14:51	1.4	18:17	0.3	21:16	1.2		
05							00:45	0.9
	03:12	1.2	06:22	0.3	10:01	1.5	13:18	1.0
	15:34	1.4	18:51	0.3	21:59	1.3		
06							01:29	1.0
	03:55	1.4	07:10	0.3	10:41	1.5	14:01	1.0
	16:15	1.3	19:24	0.3	22:40	1.5		
07							02:09	1.0
	04:34	1.5	07:51	0.3	11:18	1.4	14:40	1.0
	16:53	1.3	19:57	0.3	23:20	1.5		
08							02:45	1.0
	05:11	1.5	08:31	0.3	11:52	1.4	15:16	0.9
	17:27	1.2	20:27	0.3				
09					00:01	1.6	03:19	1.1
	05:46	1.6	09:10	0.4	12:24	1.3	15:50	0.8
	17:59	1.1	20:55	0.3				
10					00:41	1.6	03:53	1.1
	06:22	1.6	09:52	0.4	12:55	1.2	16:19	0.7
	18:28	1.0	21:19	0.3				
11					01:21	1.6	04:29	1.1
	07:00	1.6	10:38	0.4	13:26	1.0	16:45	0.6
	18:57	0.8	21:43	0.3				
12					02:00	1.5	05:07	1.1
	07:42	1.6	11:29	0.4	14:01	0.9	17:13	0.5
	19:30	0.7	22:11	0.2				
13					02:39	1.5	05:48	1.1
	08:28	1.5	12:24	0.4	14:42	0.8	17:47	0.4
	20:08	0.6	22:46	0.2				
14					03:20	1.4	06:30	1.1
	09:18	1.5	13:23	0.4	15:32	0.7	18:34	0.3
	20:55	0.5	23:30	0.1				
15					04:06	1.2	07:14	1.0
	10:14	1.4	14:23	0.4	16:37	0.6	19:34	0.3
	21:50	0.5						

Dag	EFB		EFK		VFB		VFK	
	tt:mm	rák	tt:mm	rák	tt:mm	rák	tt:mm	rák
16			00:28	0.1	05:04	1.1	08:05	1.0
	11:15	1.4	15:22	0.3	17:52	0.6	20:51	0.4
	22:56	0.5						
17			01:40	0.0	06:16	1.1	09:12	1.0
	12:22	1.4	16:18	0.2	19:05	0.7	22:22	0.5
18	00:22	0.6	03:01	0.1	07:32	1.2	10:27	1.0
	13:26	1.5	17:11	0.2	20:04	0.9	23:21	0.6
19	01:38	0.8	04:19	0.1	08:33	1.4	11:40	1.1
	14:24	1.6	17:59	0.2	20:54	1.1		
20							00:07	0.7
	02:38	1.1	05:29	0.1	09:27	1.6	12:46	1.1
	15:15	1.6	18:41	0.2	21:43	1.3		
21							00:53	0.9
	03:30	1.5	06:32	0.2	10:17	1.8	13:47	1.2
	16:03	1.6	19:20	0.3	22:31	1.6		
22							01:41	1.1
	04:19	1.9	07:32	0.3	11:06	1.9	14:41	1.2
	16:48	1.6	19:55	0.3	23:19	1.8		
23							02:31	1.3
	05:07	2.2	08:29	0.4	11:55	1.9	15:31	1.1
	17:32	1.5	20:31	0.3				
24					00:08	2.0	03:20	1.4
	05:56	2.3	09:26	0.5	12:42	1.8	16:17	1.1
	18:14	1.4	21:06	0.3				
25					00:56	2.1	04:10	1.5
	06:45	2.3	10:23	0.6	13:29	1.6	16:59	0.9
	18:57	1.3	21:44	0.2				
26					01:44	2.1	05:00	1.4
	07:37	2.2	11:21	0.5	14:15	1.3	17:37	0.8
	19:41	1.1	22:24	0.2				
27					02:32	2.0	05:53	1.3
	08:30	2.0	12:21	0.5	15:01	1.0	18:10	0.6
	20:28	0.9	23:09	0.2				
28					03:24	1.8	06:49	1.2
	09:25	1.7	13:24	0.4	15:50	0.8	18:39	0.5
	21:21	0.7						
29			00:02	0.2	04:26	1.5	07:52	1.0
	10:25	1.4	14:31	0.3	16:49	0.6	19:13	0.4
	22:24	0.6						
30			01:11	0.1	05:49	1.3	09:06	0.9
	11:31	1.2	15:38	0.3	18:01	0.5	19:56	0.4
	23:42	0.6						
31			02:40	0.2	07:20	1.2	10:23	0.9
	12:40	1.1	16:36	0.3	19:18	0.6	20:49	0.6
	21:50	0.6	22:14	0.6				

August 2005

Pos.: 61°12' N, 6°30' V

Dag	EFB		EFK		VFB		VFK	
	tt:mm	råk	tt:mm	råk	tt:mm	råk	tt:mm	råk
01					01:03	0.7	04:12	0.2
	08:28	1.1	11:33	0.8	13:42	1.0	17:20	0.3
	20:26	0.8	23:38	0.7				
02					02:08	0.9	05:25	0.2
	09:17	1.2	12:28	0.8	14:36	1.0	17:58	0.3
	21:13	1.0						
03			00:28	0.8	02:58	1.2	06:18	0.3
	09:55	1.2	13:12	0.8	15:21	1.1	18:33	0.3
	21:51	1.3						
04			01:08	0.9	03:39	1.3	07:00	0.3
	10:27	1.3	13:49	0.9	16:00	1.2	19:05	0.3
	22:28	1.4						
05			01:44	1.0	04:15	1.5	07:36	0.3
	10:56	1.4	14:21	0.9	16:34	1.2	19:35	0.4
	23:04	1.6						
06			02:18	1.1	04:49	1.6	08:10	0.4
	11:24	1.4	14:49	0.9	17:04	1.2	20:00	0.4
	23:40	1.7						
07			02:51	1.2	05:22	1.8	08:47	0.4
	11:52	1.4	15:15	0.8	17:32	1.2	20:23	0.4
08	00:15	1.8	03:25	1.2	05:56	1.9	09:26	0.5
	12:21	1.3	15:40	0.8	17:59	1.1	20:46	0.3
09	00:49	1.8	04:00	1.3	06:32	1.9	10:07	0.5
	12:52	1.2	16:05	0.7	18:28	1.1	21:12	0.3
10	01:22	1.8	04:36	1.3	07:10	1.9	10:52	0.5
	13:28	1.1	16:33	0.6	19:01	1.0	21:42	0.3
11	01:55	1.7	05:12	1.2	07:51	1.8	11:39	0.5
	14:10	1.0	17:07	0.5	19:38	0.9	22:17	0.3
12	02:31	1.6	05:50	1.1	08:37	1.6	12:31	0.4
	14:58	0.8	17:49	0.5	20:22	0.7	23:00	0.2
13	03:13	1.3	06:33	1.0	09:28	1.4	13:30	0.3
	15:55	0.7	18:41	0.4	21:18	0.6	23:55	0.1
14	04:10	1.1	07:29	0.9	10:29	1.3	14:40	0.2
	17:06	0.5	19:44	0.3	22:32	0.5		
15							01:12	0.1
	05:35	1.0	08:59	0.9	11:49	1.1	15:55	0.1
	18:32	0.5	21:07	0.4				

Dag	EFB		EFK		VFB		VFK	
	tt:mm	råk	tt:mm	råk	tt:mm	råk	tt:mm	råk
16					00:02	0.6	02:50	0.1
	07:32	1.1	10:34	0.9	13:10	1.2	16:59	0.2
	19:50	0.7	22:41	0.6				
17					01:25	0.9	04:22	0.1
	08:40	1.3	11:51	1.0	14:14	1.3	17:47	0.2
	20:49	1.0	23:41	0.8				
18					02:28	1.3	05:36	0.2
	09:30	1.6	12:54	1.1	15:05	1.4	18:24	0.2
	21:38	1.4						
19			00:35	1.1	03:20	1.8	06:38	0.3
	10:14	1.8	13:46	1.1	15:51	1.5	18:58	0.2
	22:22	1.8						
20			01:26	1.3	04:09	2.2	07:33	0.4
	10:55	1.9	14:31	1.1	16:33	1.5	19:30	0.3
	23:05	2.1						
21			02:16	1.5	04:55	2.4	08:24	0.5
	11:36	1.9	15:11	1.1	17:13	1.6	20:04	0.3
	23:48	2.3						
22			03:05	1.5	05:40	2.5	09:14	0.6
	12:16	1.8	15:47	1.1	17:52	1.5	20:40	0.3
23	00:31	2.4	03:54	1.5	06:26	2.4	10:02	0.6
	12:56	1.6	16:18	1.0	18:32	1.4	21:19	0.3
24	01:16	2.3	04:42	1.4	07:11	2.2	10:50	0.5
	13:37	1.3	16:46	0.8	19:13	1.3	22:00	0.3
25	02:02	2.1	05:33	1.3	07:58	1.8	11:39	0.4
	14:19	1.0	17:10	0.7	19:58	1.1	22:46	0.3
26	02:52	1.7	06:28	1.1	08:46	1.4	12:32	0.3
	15:06	0.7	17:38	0.5	20:48	0.8	23:41	0.2
27	03:56	1.3	07:34	0.9	09:38	1.1	13:34	0.2
	16:04	0.5	18:16	0.4	21:51	0.7		
28							00:53	0.2
	05:35	1.0	—	—	10:43	0.8	14:49	0.1
	17:26	0.4	—	—	23:16	0.6		
29							02:34	0.2
	07:22	0.9	10:40	0.7	12:08	0.7	16:04	0.1
	—	—	—	—				
30					00:45	0.7	04:16	0.2
	08:28	0.9	11:45	0.6	13:26	0.7	17:00	0.2
	21:04	0.7	23:10	0.6				
31					01:52	0.9	05:23	0.3
	09:10	1.0	12:30	0.7	14:22	0.8	17:40	0.2
	21:13	1.0	23:58	0.8				

September 2005

Pos.: 61°12' N, 6°30' V

Dag	EFB		EFK		VFB		VFK	
	tt:mm	rák	tt:mm	rák	tt:mm	rák	tt:mm	rák
01					02:39	1.1	06:07	0.3
	09:37	1.1	13:04	0.7	15:05	0.9	18:12	0.3
	21:39	1.2						
02			00:36	0.9	03:16	1.4	06:41	0.3
	10:01	1.3	13:30	0.8	15:38	1.1	18:40	0.3
	22:10	1.4						
03			01:11	1.0	03:50	1.6	07:13	0.4
	10:26	1.4	13:53	0.9	16:07	1.1	19:04	0.3
	22:41	1.7						
04			01:45	1.1	04:22	1.8	07:45	0.4
	10:51	1.5	14:16	0.9	16:34	1.2	19:26	0.3
	23:12	1.8						
05			02:19	1.3	04:54	2.0	08:20	0.5
	11:19	1.5	14:40	0.9	17:01	1.2	19:49	0.3
	23:42	2.0						
06			02:53	1.4	05:27	2.1	08:56	0.5
	11:49	1.5	15:06	0.8	17:29	1.3	20:14	0.4
07	00:13	2.0	03:27	1.4	06:02	2.1	09:33	0.5
	12:23	1.4	15:34	0.8	18:01	1.3	20:44	0.4
08	00:44	2.0	04:02	1.4	06:39	2.1	10:13	0.5
	13:01	1.3	16:05	0.8	18:36	1.2	21:18	0.4
09	01:17	1.8	04:39	1.3	07:18	1.9	10:56	0.4
	13:43	1.2	16:40	0.7	19:15	1.1	21:58	0.3
10	01:55	1.6	05:19	1.1	08:01	1.6	11:44	0.3
	14:30	0.9	17:18	0.6	20:01	0.9	22:46	0.2
11	02:41	1.4	06:11	1.0	08:51	1.3	12:44	0.2
	15:26	0.7	18:01	0.4	21:00	0.7	23:47	0.2
12	03:45	1.1	07:31	0.9	09:55	1.0	14:04	0.1
	16:37	0.5	18:54	0.4	22:18	0.7		
13							01:16	0.1
	05:41	1.0	09:19	0.8	11:27	0.9	15:33	0.1
	18:17	0.5	19:55	0.5	23:51	0.8		
14							03:05	0.1
	07:42	1.1	10:53	0.8	12:58	1.0	16:38	0.1
	19:59	0.8	22:09	0.7				
15					01:14	1.2	04:34	0.2
	08:39	1.4	12:02	0.9	14:00	1.1	17:21	0.2
	20:48	1.1	23:19	1.0				

Dag	EFB		EFK		VFB		VFK	
	tt:mm	rák	tt:mm	rák	tt:mm	rák	tt:mm	rák
16					02:16	1.6	05:40	0.4
	09:20	1.6	12:53	1.0	14:48	1.2	17:55	0.2
	21:25	1.6						
17			00:15	1.2	03:08	2.1	06:35	0.5
	09:57	1.8	13:35	1.1	15:30	1.4	18:27	0.2
	22:03	2.0						
18			01:08	1.4	03:54	2.4	07:24	0.6
	10:32	1.9	14:09	1.1	16:10	1.5	19:01	0.2
	22:42	2.3						
19			01:58	1.5	04:37	2.6	08:09	0.6
	11:08	1.8	14:40	1.1	16:49	1.6	19:38	0.3
	23:23	2.5						
20			02:47	1.6	05:20	2.5	08:51	0.6
	11:45	1.7	15:09	1.1	17:29	1.6	20:18	0.4
21	00:06	2.5	03:35	1.5	06:01	2.3	09:32	0.5
	12:22	1.6	15:37	1.0	18:08	1.6	21:00	0.4
22	00:50	2.3	04:23	1.4	06:43	2.0	10:12	0.4
	13:02	1.3	16:05	0.9	18:49	1.4	21:44	0.4
23	01:36	1.9	05:13	1.2	07:24	1.6	10:53	0.3
	13:44	1.1	16:34	0.7	19:33	1.2	22:33	0.4
24	02:27	1.5	06:09	1.0	08:06	1.2	11:36	0.2
	14:32	0.8	17:07	0.6	20:22	1.0	23:32	0.3
25	03:34	1.1	07:19	0.8	08:48	0.8	12:29	0.1
	15:33	0.6	17:46	0.5	21:25	0.8		
26							00:50	0.2
	05:24	0.8	13:44	0.0	17:00	0.4	—	—
	22:51	0.7						
27			02:34	0.2	07:08	0.7	—	—
	—	—	—	—	—	—	—	—
28	00:19	0.8	04:09	0.2	08:13	0.8	—	—
	13:00	0.5	16:24	0.1	20:32	0.7	22:24	0.6
29	01:23	1.0	05:05	0.3	08:45	0.9	12:26	0.6
	13:58	0.6	17:07	0.2	20:50	0.9	23:15	0.7
30	02:09	1.2	05:43	0.3	09:04	1.0	12:48	0.7
	14:35	0.8	17:37	0.3	21:15	1.2	23:56	0.9

Oktober 2005

Pos.: 61°12' N, 6°30' V

Dag	EFB		EFK		VFB		VFK	
	tt:mm	råk	tt:mm	råk	tt:mm	råk	tt:mm	råk
01	02:46	1.4	06:15	0.4	09:26	1.2	13:02	0.8
	15:04	0.9	18:01	0.3	21:43	1.4		
02							00:32	1.0
	03:20	1.7	06:45	0.4	09:51	1.3	13:19	0.8
	15:31	1.1	18:24	0.3	22:10	1.7		
03							01:07	1.2
	03:52	1.9	07:17	0.5	10:17	1.5	13:42	0.9
	15:59	1.2	18:47	0.3	22:38	1.9		
04							01:42	1.3
	04:25	2.1	07:50	0.5	10:47	1.6	14:09	0.9
	16:29	1.3	19:14	0.3	23:07	2.0		
05							02:17	1.4
	04:58	2.2	08:24	0.5	11:20	1.6	14:39	0.9
	17:02	1.4	19:46	0.3	23:38	2.1		
06							02:54	1.4
	05:33	2.2	09:00	0.5	11:57	1.6	15:11	0.9
	17:38	1.4	20:22	0.4				
07					00:11	2.0	03:33	1.4
	06:10	2.1	09:37	0.4	12:36	1.5	15:44	0.9
	18:17	1.4	21:02	0.4				
08					00:49	1.8	04:15	1.3
	06:50	1.8	10:19	0.3	13:20	1.3	16:19	0.8
	19:00	1.3	21:49	0.3				
09					01:33	1.6	05:07	1.1
	07:35	1.5	11:07	0.2	14:09	1.0	16:56	0.7
	19:49	1.1	22:45	0.2				
10					02:28	1.3	06:16	0.9
	08:27	1.1	12:07	0.1	15:10	0.8	17:39	0.6
	20:52	1.0						
11			00:00	0.2	03:47	1.1	07:50	0.8
	09:33	0.8	13:27	0.1	16:30	0.6	18:30	0.5
	22:11	1.0						
12			01:39	0.2	06:00	1.0	09:39	0.7
	11:02	0.7	14:52	0.1	18:21	0.7	19:34	0.7
	23:42	1.2						
13			03:19	0.3	07:28	1.1	11:06	0.7
	12:30	0.8	15:54	0.1	19:44	1.0	21:49	0.9
14	01:00	1.5	04:36	0.4	08:19	1.3	12:00	0.8
	13:31	0.9	16:38	0.1	20:22	1.4	22:57	1.1
15	02:00	1.9	05:36	0.5	08:56	1.5	12:39	0.9
	14:20	1.1	17:16	0.1	20:59	1.8	23:54	1.3

Dag	EFB		EFK		VFB		VFK	
	tt:mm	råk	tt:mm	råk	tt:mm	råk	tt:mm	råk
16	02:49	2.2	06:25	0.6	09:29	1.6	13:10	1.0
	15:03	1.3	17:54	0.2	21:37	2.1		
17							00:47	1.4
	03:34	2.4	07:08	0.6	10:03	1.7	13:37	1.1
	15:45	1.5	18:34	0.3	22:18	2.4		
18							01:39	1.5
	04:16	2.4	07:47	0.5	10:38	1.7	14:04	1.1
	16:26	1.6	19:17	0.3	23:00	2.4		
19							02:28	1.5
	04:56	2.3	08:23	0.5	11:15	1.6	14:34	1.1
	17:07	1.7	20:01	0.4	23:44	2.3		
20							03:17	1.4
	05:36	2.0	08:59	0.4	11:54	1.6	15:07	1.1
	17:48	1.6	20:47	0.4				
21					00:29	2.0	04:05	1.3
	06:15	1.7	09:34	0.3	12:35	1.4	15:44	1.0
	18:29	1.5	21:35	0.4				
22					01:16	1.7	04:54	1.1
	06:54	1.3	10:10	0.2	13:20	1.2	16:24	0.8
	19:13	1.3	22:28	0.4				
23					02:08	1.3	05:49	0.9
	07:32	1.0	10:48	0.2	14:11	1.0	17:06	0.7
	20:02	1.1	23:28	0.3				
24					03:14	0.9	06:59	0.6
	08:06	0.7	11:32	0.1	15:14	0.8	17:52	0.6
	21:02	0.9						
25			00:44	0.3	04:43	0.7	—	—
	—	—	—	—	—	—	—	—
	22:17	0.8						
26			02:13	0.2	06:11	0.6	13:54	0.1
	18:22	0.6	20:04	0.6	23:37	0.9		
27							03:37	0.3
	07:17	0.6	—	—	—	—	15:11	0.1
	19:36	0.7	21:28	0.7				
28					00:41	1.0	04:32	0.3
	07:52	0.7	16:02	0.1	20:11	0.9	22:25	0.8
29	01:30	1.2	05:11	0.4	08:19	0.9	12:28	0.6
	13:38	0.6	16:38	0.2	20:40	1.2	23:10	0.9
30	02:10	1.5	05:44	0.4	08:46	1.1	12:25	0.7
	14:14	0.8	17:08	0.2	21:08	1.4	23:50	1.1
31	01:46	1.7	05:15	0.5	08:15	1.3	11:44	0.8
	13:49	0.9	16:37	0.2	20:36	1.6	23:27	1.2

November 2005

Pos.: 61°12' N, 6°30' V

Dag	EFB		EFK		VFB		VFK	
	tt:mm	rák	tt:mm	rák	tt:mm	rák	tt:mm	rák
01	02:20	2.0	05:47	0.5	08:46	1.4	12:12	0.8
	14:24	1.1	17:09	0.2	21:04	1.8		
02							00:05	1.3
	02:54	2.1	06:20	0.5	09:19	1.6	12:43	0.9
	15:01	1.3	17:44	0.3	21:34	1.9		
03							00:45	1.4
	03:30	2.2	06:54	0.4	09:55	1.6	13:16	1.0
	15:40	1.4	18:23	0.3	22:09	2.0		
04							01:28	1.4
	04:08	2.1	07:30	0.4	10:34	1.6	13:51	1.0
	16:20	1.5	19:07	0.3	22:49	1.9		
05							02:15	1.3
	04:48	1.9	08:09	0.3	11:17	1.5	14:28	1.0
	17:02	1.5	19:55	0.3	23:34	1.8		
06							03:08	1.2
	05:31	1.7	08:52	0.3	12:05	1.4	15:07	0.9
	17:49	1.5	20:51	0.3				
07					00:26	1.6	04:10	1.0
	06:18	1.3	09:39	0.2	13:00	1.2	15:51	0.9
	18:43	1.4	21:58	0.2				
08					01:31	1.3	05:24	0.8
	07:12	1.0	10:35	0.1	14:07	1.0	16:44	0.8
	19:48	1.3	23:20	0.3				
09					03:00	1.1	06:51	0.7
	08:15	0.7	11:40	0.1	15:24	1.0	17:50	0.8
	21:04	1.4						
10			00:52	0.3	04:37	1.0	08:39	0.7
	09:17	0.7	12:49	0.0	16:44	1.0	19:12	0.9
	22:25	1.5						
11			02:19	0.5	05:52	1.1	10:03	0.7
	10:35	0.7	13:51	0.0	17:54	1.3	20:28	1.0
	23:37	1.8						
12			03:28	0.5	06:43	1.2	10:40	0.8
	11:48	0.8	14:44	0.0	18:46	1.6	21:34	1.2
13	00:36	2.0	04:23	0.6	07:22	1.3	11:08	0.8
	12:45	1.0	15:34	0.1	19:31	1.8	22:33	1.3
14	01:26	2.1	05:07	0.5	07:57	1.4	11:33	0.9
	13:36	1.2	16:23	0.2	20:15	2.1	23:29	1.3
15	02:11	2.2	05:46	0.5	08:34	1.5	12:00	1.0
	14:22	1.4	17:13	0.3	20:59	2.2		

Dag	EFB		EFK		VFB		VFK	
	tt:mm	rák	tt:mm	rák	tt:mm	rák	tt:mm	rák
16							00:22	1.4
	02:53	2.1	06:21	0.4	09:11	1.5	12:32	1.1
	15:06	1.6	18:03	0.3	21:43	2.1		
17							01:13	1.3
	03:34	1.9	06:55	0.4	09:51	1.6	13:12	1.1
	15:49	1.6	18:52	0.4	22:29	2.0		
18							02:02	1.3
	04:13	1.7	07:27	0.3	10:33	1.6	13:55	1.1
	16:31	1.6	19:41	0.4	23:15	1.7		
19							02:48	1.1
	04:52	1.4	08:01	0.3	11:17	1.5	14:40	1.0
	17:13	1.5	20:30	0.4				
20					00:01	1.4	03:35	0.9
	05:31	1.2	08:36	0.2	12:05	1.3	15:22	0.9
	17:56	1.4	21:21	0.4				
21					00:49	1.2	04:24	0.8
	06:09	0.9	09:12	0.2	12:56	1.2	16:04	0.9
	18:42	1.2	22:18	0.3				
22					01:40	0.9	05:17	0.6
	06:44	0.6	09:48	0.1	13:52	1.0	16:46	0.8
	19:34	1.1	23:21	0.3				
23					02:37	0.7	06:14	0.4
	07:14	0.4	10:27	0.1	14:52	0.9	17:33	0.7
	20:35	1.0						
24			00:33	0.3	03:40	0.5	07:07	0.3
	—	—	—	—	16:01	0.8	18:28	0.7
	21:41	1.0						
25			01:47	0.3	04:44	0.5	12:16	0.1
	17:17	0.9	19:32	0.8	22:46	1.1		
26							02:49	0.4
	05:39	0.6	13:19	0.1	18:15	1.0	20:30	0.9
	23:41	1.3						
27			03:33	0.4	06:24	0.7	—	—
	—	—	—	—	18:56	1.1	21:20	1.0
28	00:28	1.5	04:09	0.4	07:04	0.9	10:40	0.6
	12:05	0.6	15:06	0.1	19:29	1.3	22:04	1.1
29	01:09	1.7	04:43	0.4	07:41	1.1	11:11	0.7
	13:06	0.8	15:51	0.2	20:00	1.5	22:48	1.1
30	01:48	1.9	05:17	0.4	08:17	1.3	11:45	0.8
	13:55	1.0	16:36	0.2	20:33	1.7	23:34	1.2

Desember 2005

Pos.: 61°12' N, 6°30' V

Dag	EFB		EFK		VFB		VFK	
	tt:mm	rák	tt:mm	rák	tt:mm	rák	tt:mm	rák
01	02:27	2.0	05:52	0.4	08:54	1.5	12:20	0.9
02	14:39	1.2	17:22	0.2	21:10	1.8		
							00:23	1.3
03	03:07	2.0	06:29	0.3	09:34	1.6	12:56	0.9
	15:22	1.4	18:10	0.3	21:52	1.9		
04							01:16	1.3
	03:49	1.9	07:08	0.3	10:17	1.6	13:35	1.0
05	16:06	1.6	19:01	0.3	22:38	1.9		
							02:11	1.2
06	04:33	1.8	07:49	0.3	11:04	1.6	14:17	1.1
	16:51	1.7	19:57	0.3	23:29	1.8		
07							03:09	1.1
	05:19	1.5	08:31	0.3	11:57	1.5	15:04	1.1
08	17:41	1.7	20:59	0.3				
					00:27	1.6	04:09	1.0
09	06:07	1.3	09:14	0.2	12:55	1.5	15:55	1.1
	18:37	1.7	22:09	0.4				
10					01:33	1.4	05:14	0.8
	06:59	1.0	10:00	0.2	13:56	1.4	16:51	1.1
11	19:40	1.7	23:26	0.4				
					02:43	1.2	06:25	0.7
12	07:52	0.8	10:49	0.1	14:57	1.4	17:51	1.1
	20:49	1.7						
13			00:46	0.5	03:52	1.0	07:43	0.6
	08:45	0.6	11:45	0.0	16:00	1.4	18:58	1.1
14	22:00	1.7						
			02:04	0.5	04:58	0.9	—	—
15	09:44	0.6	12:47	0.0	17:07	1.5	20:06	1.1
	23:08	1.8						
16			03:11	0.5	05:54	0.9	09:46	0.7
	11:05	0.7	13:53	0.0	18:12	1.6	21:14	1.1
17	00:08	1.8	04:03	0.5	06:43	1.0	10:18	0.7
	12:13	0.9	15:00	0.1	19:09	1.7	22:17	1.2
18	01:01	1.8	04:46	0.4	07:27	1.1	10:50	0.8
	13:12	1.1	16:04	0.2	20:00	1.8	23:17	1.2
19	01:49	1.7	05:23	0.4	08:10	1.2	11:29	0.9
	14:04	1.3	17:03	0.3	20:49	1.8		
20							00:12	1.2
	02:33	1.7	05:56	0.3	08:52	1.4	12:15	1.0
21	14:51	1.5	17:58	0.3	21:36	1.8		

Dag	EFB		EFK		VFB		VFK	
	tt:mm	rák	tt:mm	rák	tt:mm	rák	tt:mm	rák
16							01:03	1.1
17	03:15	1.6	06:29	0.3	09:35	1.5	13:03	1.1
	15:35	1.6	18:48	0.4	22:20	1.7		
18							01:49	1.1
	03:56	1.4	07:03	0.3	10:19	1.6	13:48	1.1
19	16:17	1.6	19:35	0.4	23:03	1.5		
							02:32	1.0
20	04:35	1.3	07:37	0.3	11:05	1.6	14:30	1.1
	16:57	1.6	20:21	0.4	23:43	1.4		
21							03:12	0.9
	05:13	1.1	08:11	0.3	11:51	1.5	15:08	1.0
22	17:37	1.5	21:06	0.4				
					00:21	1.2	03:50	0.7
23	05:48	0.9	08:43	0.3	12:36	1.4	15:45	1.0
	18:18	1.4	21:55	0.4				
24					00:57	1.0	04:25	0.6
	06:20	0.7	09:10	0.2	13:22	1.3	16:23	0.9
25	19:02	1.4	22:48	0.4				
					01:34	0.8	04:57	0.4
26	06:52	0.5	09:36	0.2	14:08	1.2	17:04	0.9
	19:50	1.3	23:48	0.4				
27					02:13	0.6	05:29	0.3
	07:29	0.4	10:06	0.1	14:57	1.1	17:49	0.9
28	20:43	1.3						
			00:53	0.4	03:01	0.5	06:11	0.3
29	08:14	0.4	10:50	0.0	15:52	1.0	18:38	0.9
	21:42	1.3						
30			01:55	0.4	04:07	0.5	07:04	0.3
	09:02	0.4	11:49	0.0	16:56	1.0	19:31	0.9
31	22:41	1.3						
			02:47	0.4	05:20	0.6	08:14	0.4
32	09:53	0.4	12:58	0.0	17:58	1.1	20:26	0.9
	23:38	1.4						
33			03:31	0.3	06:20	0.8	09:45	0.5
	11:11	0.5	14:08	0.1	18:47	1.2	21:22	1.0
34	00:30	1.5	04:11	0.3	07:09	0.9	10:37	0.6
	12:33	0.7	15:15	0.1	19:31	1.3	22:20	1.1
35	01:19	1.6	04:52	0.3	07:52	1.1	11:17	0.7
	13:32	0.9	16:14	0.2	20:14	1.5	23:19	1.1
36	02:06	1.7	05:33	0.3	08:35	1.3	11:56	0.8
	14:22	1.2	17:11	0.2	20:59	1.7		
37							00:18	1.2
	02:52	1.8	06:13	0.3	09:20	1.5	12:38	1.0
38	15:09	1.5	18:07	0.2	21:46	1.8		