

GEN 2.7 AURINGON NOUSU- JA LASKU-TAULUKOT

Lentopaikkojen auringon nousu- ja laskuajat sekä hämärän päättymis- ja alkamisajat on esitetty sivulta GEN 2.7 - 3 alka- vissa taulukoissa.

Auringon nousu- ja laskuajat tarkoittavat hetkiä, jolloin aurin- gon yläreuna on horisontin tasalla. Nämä ajat pätevät tasai- sella maalla, mutta käytännössä maaston muoto ja säätila voivat jonkin verran muuttaa auringon näkyvissä oloaikaa. Hämärä puolestaan vallitsee auringon laskun ja nousun väli- senä aikana silloin, kun auringon keskipiste on kuusi astetta horisontin alapuolella. Lentosääntöjen tarkoittama yö vallit- see iltahämärän päättymisen (TWIL TO) ja aamuhämärän alkamisen (TWIL FM) välisenä aikana.

Auringon nousu- ja laskuajat kuvaavat keskiarvoja, joiden vuosittainen vaihteluväli on keskimäärin +/- 2 minuuttia. Yksittäisissä tapauksissa hämärän alku- ja loppuajoissa (tou- kokuu/elokuu) sekä yöttömän yön alkamis- ja loppu- misajoissa poikkeama voi olla suurempi.

Ajat on laskettu kunkin lentopaikan mittapisteestä (ARP) ja ne ovat UTC-aikoja (Suomen virallinen vyöhyke-aika on UTC + 2 HR, kesäajan vallitessa UTC + 3 HR). Kesäaikaan siirry- tään kunkin vuoden maaliskuun viimeisenä sunnuntaina ja normaaliaikaan kunkin vuoden lokakuun viimeisenä sunnun- taina.

GEN 2.7 SUNRISE/SUNSET TABLES

The sunrise and sunset times as well as twilight start and twi- light end times at aerodromes are shown on tables starting from page GEN 2.7 - 3.

The sunrise and sunset times refer to moments when the up- per edge of the sun is at the level of the horizon. The times are based on even ground but in practice, the terrain shape and the weather may have some impact on the time when the sun is visible. Civil twilight prevails between sunset and sun- rise at a time when the centre of the sun's disc is 6 degrees below the horizon. Night, as defined in the rules of the air, pre- vails between the end of evening civil twilight (TWIL TO) and the beginning of morning civil twilight (TWIL FM).

The sunrise and sunset times represent mean times at each airport, the annual variation being on the average +/- 2 min- utes. The deviation can be higher in individual cases as in the case of twilight start and twilight end times (May/August) as well as when the midnight sun's start and end times are con- cerned.

The times have been calculated based on the aerodrome ref- erence point (ARP) of each airport. The times are in UTC (Finland's official zone time is UTC + 2 HR, and during sum- mer time period UTC + 3 HR). The summer time begins each year on the last Sunday of March, and winter time on the last Sunday of October.

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1. ENONTEKIÖ - EFET

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JAN	1	7:48	-	-	13:11	FEB	1	6:34	7:49	13:31	14:46
	2	7:47	-	-	13:13		2	6:31	7:44	13:36	14:49
	3	7:46	-	-	13:15		3	6:28	7:40	13:41	14:53
	4	7:44	-	-	13:17		4	6:24	7:35	13:45	14:56
	5	7:43	-	-	13:20		5	6:21	7:31	13:50	15:00
	6	7:42	10:20	10:45	13:22		6	6:17	7:27	13:54	15:04
	7	7:40	10:09	10:57	13:25		7	6:14	7:22	13:59	15:07
	8	7:38	9:57	11:09	13:27		8	6:10	7:18	14:03	15:11
	9	7:37	9:48	11:18	13:30		9	6:07	7:13	14:08	15:15
	10	7:35	9:40	11:27	13:33		10	6:03	7:09	14:12	15:18
	11	7:33	9:34	11:35	13:35		11	5:59	7:05	14:17	15:22
	12	7:31	9:27	11:42	13:38		12	5:56	7:00	14:21	15:26
	13	7:28	9:21	11:48	13:41		13	5:52	6:56	14:25	15:29
	14	7:26	9:15	11:55	13:44		14	5:48	6:52	14:29	15:33
	15	7:24	9:10	12:01	13:47		15	5:45	6:48	14:34	15:37
	16	7:21	9:04	12:07	13:51		16	5:41	6:43	14:38	15:40
	17	7:19	8:59	12:13	13:54		17	5:37	6:39	14:42	15:44
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	19	7:14	8:49	12:25	14:00		19	5:30	6:30	14:50	15:51
	20	7:11	8:44	12:30	14:04		20	5:26	6:26	14:54	15:55
	21	7:08	8:39	12:36	14:07		21	5:22	6:22	14:59	15:59
	22	7:05	8:34	12:41	14:10		22	5:18	6:18	15:03	16:02
	23	7:02	8:30	12:46	14:14		23	5:14	6:13	15:07	16:06
	24	6:59	8:25	12:52	14:17		24	5:10	6:09	15:11	16:10
	25	6:56	8:20	12:57	14:21		25	5:06	6:05	15:15	16:13
	26	6:53	8:16	13:02	14:24		26	5:02	6:01	15:19	16:17
	27	6:50	8:11	13:07	14:28		27	4:58	5:56	15:22	16:20
	28	6:47	8:07	13:12	14:31		28	4:54	5:52	15:26	16:24
	29	6:44	8:02	13:17	14:35						
	30	6:41	7:58	13:22	14:38						
	31	6:38	7:53	13:27	14:42						
MAR	1	4:49	5:47	15:31	16:29	APR	1	2:34	3:34	17:27	18:28
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	9	4:17	5:13	16:02	16:58		9	1:54	3:00	17:58	19:04
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	24	3:11	4:09	16:58	17:55		24	0:25	1:52	18:59	20:29
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	31	2:39	3:39	17:24	18:24						
MAY	1	23:03	1:19	19:30	21:41	JUN	1	-	-	-	-
	2	22:44	1:15	19:35	22:01		2	-	-	-	-
	3	-	1:10	19:40	-		3	-	-	-	-
	4	-	1:05	19:44	-		4	-	-	-	-
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	29	-	-	-	-		29	-	-	-	-
	30	-	-	-	-		30	-	-	-	-
	31	-	-	-	-						

ENONTEKIÖ - EFET

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JUL	1	-	-	-	-	AUG	1	-	0:34	20:26	-
	2	-	-	-	-		2	-	0:39	20:21	-
	3	-	-	-	-		3	-	0:44	20:15	-
	4	-	-	-	-		4	-	0:50	20:10	-
	5	-	-	-	-		5	-	0:55	20:05	-
	6	-	-	-	-		6	-	1:00	20:00	-
	7	-	-	-	-		7	-	1:05	19:55	-
	8	-	-	-	-		8	-	1:09	19:50	-
	9	-	-	-	-		9	22:53	1:14	19:45	22:11
	10	-	-	-	-		10	23:11	1:19	19:40	21:53
	11	-	-	-	-		11	23:27	1:23	19:35	21:36
	12	-	-	-	-		12	23:40	1:28	19:30	21:23
	13	-	-	-	-		13	23:50	1:32	19:26	21:13
	14	-	-	-	-		14	23:58	1:37	19:21	21:03
	15	-	-	-	-		15	0:02	1:41	19:16	20:54
	16	-	-	-	-		16	0:08	1:46	19:11	20:46
	17	-	-	-	-		17	0:16	1:50	19:07	20:38
	18	-	-	-	-		18	0:23	1:54	19:02	20:30
	19	-	22:56	22:10	-		19	0:30	1:58	18:58	20:23
	20	-	23:12	21:54	-		20	0:37	2:02	18:53	20:16
	21	-	23:24	21:42	-		21	0:43	2:07	18:48	20:09
	22	-	23:33	21:32	-		22	0:49	2:11	18:44	20:03
	23	-	23:41	21:24	-		23	0:55	2:15	18:39	19:57
	24	-	23:49	21:16	-		24	1:01	2:19	18:35	19:51
	25	-	23:56	21:09	-		25	1:07	2:23	18:30	19:45
	26	-	0:00	21:02	-		26	1:12	2:27	18:26	19:39
	27	-	0:04	20:56	-		27	1:17	2:31	18:21	19:33
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	29	-	0:16	20:43	-		29	1:28	2:38	18:13	19:22
	30	-	0:22	20:38	-		30	1:33	2:42	18:08	19:17
	31	-	0:28	20:32	-		31	1:38	2:46	18:04	19:11
SEP	1	1:42	2:50	17:59	19:06	OCT	1	3:43	4:39	15:50	16:46
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	5	2:01	3:05	17:42	18:45		5	3:57	4:53	15:33	16:30
	6	2:05	3:08	17:37	18:40		6	4:01	4:57	15:29	16:25
	7	2:09	3:12	17:33	18:35		7	4:04	5:01	15:25	16:21
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	9	2:18	3:20	17:24	18:25		9	4:11	5:08	15:16	16:13
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	11	2:26	3:27	17:16	18:16		11	4:18	5:16	15:08	16:05
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	13	2:34	3:34	17:07	18:06		13	4:25	5:23	14:59	15:57
	14	2:38	3:38	17:03	18:02		14	4:29	5:27	14:55	15:53
	15	2:42	3:41	16:59	17:57		15	4:33	5:31	14:51	15:49
	16	2:46	3:45	16:54	17:52		16	4:36	5:35	14:47	15:45
	17	2:50	3:48	16:50	17:48		17	4:40	5:39	14:42	15:41
	18	2:54	3:52	16:46	17:43		18	4:43	5:42	14:38	15:37
	19	2:58	3:56	16:41	17:39		19	4:47	5:46	14:34	15:33
	20	3:02	3:59	16:37	17:34		20	4:50	5:50	14:30	15:29
	21	3:06	4:03	16:33	17:30		21	4:54	5:54	14:25	15:25
	22	3:09	4:06	16:29	17:25		22	4:57	5:58	14:21	15:22
	23	3:13	4:10	16:24	17:21		23	5:01	6:02	14:17	15:18
	24	3:17	4:14	16:20	17:17		24	5:05	6:06	14:12	15:14
	25	3:21	4:17	16:16	17:12		25	5:08	6:10	14:08	15:10
	26	3:24	4:21	16:12	17:08		26	5:12	6:14	14:04	15:06
	27	3:28	4:24	16:07	17:03		27	5:15	6:19	14:00	15:03
	28	3:32	4:28	16:03	16:59		28	5:19	6:23	13:55	14:59
	29	3:35	4:32	15:59	16:55		29	5:22	6:27	13:51	14:55
	30	3:39	4:35	15:55	16:51		30	5:26	6:31	13:47	14:52
							31	5:29	6:35	13:42	14:48
NOV	1	5:33	6:40	13:38	14:44	DEC	1	7:14	9:16	11:13	13:16
	2	5:37	6:44	13:34	14:41		2	7:17	9:24	11:06	13:14
	3	5:40	6:48	13:29	14:37		3	7:19	9:33	10:58	13:12
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	6	5:51	7:02	13:16	14:27		6	7:27	-	-	13:06
	7	5:54	7:06	13:12	14:23		7	7:29	-	-	13:05
	8	5:58	7:11	13:07	14:20		8	7:32	-	-	13:03
	9	6:01	7:15	13:03	14:17		9	7:34	-	-	13:02
	10	6:05	7:20	12:58	14:13		10	7:36	-	-	13:01
	11	6:08	7:25	12:54	14:10		11	7:38	-	-	13:00
	12	6:12	7:29	12:50	14:07		12	7:40	-	-	12:59
	13	6:15	7:34	12:45	14:04		13	7:41	-	-	12:59
	14	6:19	7:39	12:41	14:01		14	7:43	-	-	12:58
	15	6:22	7:44	12:36	13:57		15	7:44	-	-	12:58
	16	6:26	7:49	12:31	13:54		16	7:46	-	-	12:57
	17	6:29	7:54	12:27	13:51		17	7:47	-	-	12:57
	18	6:33	7:59	12:22	13:48		18	7:48	-	-	12:57
	19	6:36	8:04	12:17	13:45		19	7:49	-	-	12:57
	20	6:39	8:09	12:13	13:43		20	7:50	-	-	12:58
	21	6:43	8:15	12:08	13:40		21	7:51	-	-	12:58
	22	6:46	8:20	12:03	13:37		22	7:51	-	-	12:58
	23	6:49	8:26	11:58	13:34		23	7:51	-	-	12:59
	24	6:53	8:31	11:53	13:32		24	7:52	-	-	13:00
	25	6:56	8:37	11:48	13:29		25	7:52	-	-	13:01
	26	6:59	8:43	11:43	13:27		26	7:52	-	-	13:02
	27	7:02	8:49	11:37	13:24		27	7:51	-	-	13:03
	28	7:05	8:55	11:32	13:22		28	7:51	-	-	13:04
	29	7:08	9:02	11:26	13:20		29	7:50	-	-	13:06
	30	7:11	9:09	11:20	13:18		30	7:50	-	-	13:07

2. HALLI - EFHA

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JAN	1	6:38	7:42	13:07	14:11	FEB	1	5:54	6:45	14:24	15:16
	2	6:38	7:41	13:09	14:12		2	5:52	6:43	14:27	15:18
	3	6:38	7:40	13:11	14:14		3	5:50	6:40	14:30	15:21
	4	6:37	7:40	13:13	14:15		4	5:47	6:37	14:33	15:23
	5	6:36	7:39	13:14	14:17		5	5:45	6:35	14:36	15:26
	6	6:36	7:37	13:16	14:18		6	5:42	6:32	14:39	15:28
	7	6:35	7:36	13:19	14:20		7	5:40	6:29	14:42	15:31
	8	6:34	7:35	13:21	14:22		8	5:37	6:26	14:45	15:34
	9	6:33	7:34	13:23	14:24		9	5:35	6:23	14:48	15:36
	10	6:32	7:32	13:25	14:25		10	5:32	6:20	14:51	15:39
	11	6:31	7:31	13:27	14:27		11	5:30	6:18	14:54	15:41
	12	6:30	7:29	13:30	14:29		12	5:27	6:15	14:56	15:44
	13	6:28	7:27	13:32	14:31		13	5:24	6:12	14:59	15:47
	14	6:27	7:26	13:35	14:33		14	5:22	6:09	15:02	15:49
	15	6:26	7:24	13:37	14:35		15	5:19	6:06	15:05	15:52
	16	6:24	7:22	13:40	14:38		16	5:16	6:03	15:08	15:55
	17	6:23	7:20	13:42	14:40		17	5:14	6:00	15:11	15:57
	18	6:21	7:18	13:45	14:42		18	5:11	5:57	15:14	16:00
	19	6:20	7:16	13:48	14:44		19	5:08	5:54	15:17	16:03
	20	6:18	7:14	13:50	14:46		20	5:05	5:51	15:19	16:05
	21	6:16	7:12	13:53	14:49		21	5:02	5:48	15:22	16:08
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	23	6:13	7:07	13:59	14:53		23	4:56	5:42	15:28	16:13
	24	6:11	7:05	14:02	14:56		24	4:54	5:39	15:31	16:16
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	28	6:03	6:55	14:13	15:06		28	4:42	5:26	15:42	16:26
	29	6:01	6:53	14:16	15:08						
	30	5:59	6:50	14:19	15:11						
	31	5:56	6:48	14:22	15:13						
MAR	1	4:39	5:23	15:45	16:29	APR	1	2:57	3:43	17:08	17:54
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	3	4:32	5:17	15:50	16:34		3	2:51	3:37	17:13	18:00
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	5	4:26	5:10	15:56	16:40		5	2:44	3:30	17:19	18:05
	6	4:23	5:07	15:58	16:42		6	2:40	3:27	17:21	18:08
	7	4:20	5:04	16:01	16:45		7	2:37	3:24	17:24	18:11
	8	4:17	5:01	16:04	16:48		8	2:33	3:20	17:27	18:14
	9	4:14	4:58	16:06	16:50		9	2:30	3:17	17:29	18:17
	10	4:11	4:54	16:09	16:53		10	2:26	3:14	17:32	18:20
	11	4:07	4:51	16:12	16:56		11	2:23	3:11	17:35	18:23
	12	4:04	4:48	16:15	16:58		12	2:19	3:08	17:37	18:26
	13	4:01	4:45	16:17	17:01		13	2:15	3:04	17:40	18:29
	14	3:58	4:42	16:20	17:04		14	2:12	3:01	17:43	18:33
	15	3:54	4:38	16:23	17:07		15	2:08	2:58	17:45	18:36
	16	3:51	4:35	16:25	17:09		16	2:05	2:55	17:48	18:39
	17	3:48	4:32	16:28	17:12		17	2:01	2:52	17:51	18:42
	18	3:45	4:29	16:31	17:15		18	1:57	2:49	17:54	18:45
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	22	3:31	4:16	16:41	17:26		22	1:43	2:36	18:05	18:58
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	25	3:21	4:06	16:49	17:34		25	1:32	2:27	18:13	19:08
	26	3:18	4:03	16:52	17:37		26	1:28	2:24	18:16	19:12
	27	3:15	3:59	16:55	17:40		27	1:24	2:20	18:18	19:15
	28	3:11	3:56	16:57	17:42		28	1:21	2:17	18:21	19:19
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	31	3:01	3:46	17:05	17:51						
MAY	1	1:09	2:08	18:29	19:29	JUN	1	-	0:50	19:49	-
	2	1:06	2:05	18:32	19:33		2	-	0:48	19:51	-
	3	1:02	2:02	18:35	19:36		3	-	0:46	19:53	-
	4	0:58	1:59	18:38	19:40		4	-	0:45	19:55	-
	5	0:54	1:56	18:40	19:44		5	-	0:43	19:57	-
	6	0:50	1:54	18:43	19:48		6	-	0:42	19:59	-
	7	0:46	1:51	18:46	19:51		7	-	0:40	20:00	-
	8	0:42	1:48	18:49	19:55		8	-	0:39	20:02	-
	9	0:38	1:45	18:52	19:59		9	-	0:38	20:03	-
	10	0:35	1:42	18:54	20:03		10	-	0:37	20:05	-
	11	0:31	1:39	18:57	20:07		11	-	0:36	20:06	-
	12	0:26	1:37	19:00	20:11		12	-	0:35	20:07	-
	13	0:22	1:34	19:02	20:15		13	-	0:34	20:08	-
	14	0:18	1:31	19:05	20:19		14	-	0:34	20:09	-
	15	0:14	1:28	19:08	20:24		15	-	0:33	20:10	-
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	17	0:06	1:23	19:13	20:32		17	-	0:32	20:11	-
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	23	23:34	1:08	19:29	21:01		23	-	0:33	20:13	-
	24	23:29	1:06	19:31	21:06		24	-	0:33	20:13	-
	25	23:23	1:04	19:33	21:12		25	-	0:34	20:13	-
	26	23:18	1:02	19:36	21:17		26	-	0:35	20:12	-
	27	23:12	1:00	19:38	21:24		27	-	0:36	20:12	-
	28	23:06	0:57	19:40	21:30		28	-	0:36	20:11	-
	29	22:59	0:55	19:43	21:37		29	-	0:37	20:10	-
	30	22:51	0:53	19:45	21:46		30	-	0:39	20:10	-
	31	22:40	0:52	19:47	21:57						

HALLI - EFHA

Month	Day	TWIL FM	SR	SS	TWIL TO	Month	Day	TWIL FM	SR	SS	TWIL TO
1	2	3	4	5	6	1	2	3	4	5	6
JUL	1	-	0:40	20:09	-	AUG	1	0:38	1:48	19:04	20:13
	2	-	0:41	20:08	-		2	0:42	1:51	19:02	20:09
	3	-	0:43	20:07	-		3	0:46	1:53	18:59	20:05
	4	-	0:44	20:05	-		4	0:50	1:56	18:56	20:01
	5	-	0:46	20:04	-		5	0:54	1:59	18:53	19:57
	6	-	0:47	20:03	-		6	0:57	2:01	18:50	19:53
	7	-	0:49	20:01	-		7	1:01	2:04	18:47	19:49
	8	-	0:51	20:00	-		8	1:05	2:07	18:44	19:45
	9	-	0:53	19:58	-		9	1:08	2:10	18:41	19:42
	10	22:38	0:55	19:56	22:16		10	1:12	2:12	18:38	19:38
	11	22:53	0:57	19:55	22:01		11	1:15	2:15	18:35	19:34
	12	23:02	0:59	19:53	21:51		12	1:19	2:18	18:32	19:30
	13	23:10	1:01	19:51	21:43		13	1:22	2:20	18:29	19:27
	14	23:17	1:03	19:49	21:37		14	1:26	2:23	18:26	19:23
	15	23:24	1:05	19:47	21:31		15	1:29	2:26	18:23	19:19
	16	23:30	1:08	19:45	21:25		16	1:32	2:28	18:20	19:15
	17	23:35	1:10	19:42	21:19		17	1:36	2:31	18:17	19:12
	18	23:40	1:12	19:40	21:14		18	1:39	2:34	18:14	19:08
	19	23:46	1:15	19:38	21:09		19	1:42	2:36	18:11	19:04
	20	23:51	1:17	19:36	21:04		20	1:45	2:39	18:08	19:01
	21	23:55	1:20	19:33	21:00		21	1:49	2:42	18:04	18:57
	22	-	1:22	19:31	20:55		22	1:52	2:44	18:01	18:53
	23	0:00	1:25	19:28	20:51		23	1:55	2:47	17:58	18:50
	24	0:05	1:27	19:26	20:46		24	1:58	2:50	17:55	18:46
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	27	0:18	1:35	19:18	20:33		27	2:07	2:57	17:45	18:35
	28	0:22	1:37	19:15	20:29		28	2:10	3:00	17:42	18:32
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SEP	1	2:22	3:11	17:29	18:17	OCT	1	3:44	4:28	15:52	16:36
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	6	2:37	3:24	17:13	18:00		6	3:57	4:41	15:36	16:20
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	8	2:42	3:29	17:07	17:53		8	4:02	4:46	15:29	16:13
	9	2:45	3:31	17:03	17:49		9	4:04	4:49	15:26	16:10
	10	2:48	3:34	17:00	17:46		10	4:07	4:51	15:23	16:07
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	23	3:23	4:07	16:18	17:02		23	4:40	5:27	14:43	15:29
	24	3:25	4:10	16:15	16:58		24	4:43	5:29	14:40	15:26
	25	3:28	4:12	16:11	16:55		25	4:45	5:32	14:37	15:23
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	28	3:36	4:20	16:02	16:45		28	4:53	5:40	14:28	15:15
	29	3:39	4:23	15:58	16:42		29	4:56	5:43	14:25	15:12
	30	3:41	4:25	15:55	16:39		30	4:58	5:46	14:22	15:10
							31	5:01	5:49	14:19	15:07
NOV	1	5:03	5:52	14:16	15:05	DEC	1	6:13	7:13	13:07	14:07
	2	5:06	5:55	14:13	15:02		2	6:14	7:15	13:05	14:06
	3	5:08	5:57	14:11	14:59		3	6:16	7:17	13:04	14:05
	4	5:11	6:00	14:08	14:57		4	6:18	7:19	13:03	14:04
	5	5:13	6:03	14:05	14:55		5	6:20	7:21	13:01	14:03
	6	5:16	6:06	14:02	14:52		6	6:21	7:23	13:00	14:02
	7	5:18	6:09	13:59	14:50		7	6:23	7:25	12:59	14:02
	8	5:21	6:12	13:57	14:47		8	6:24	7:27	12:58	14:01
	9	5:23	6:14	13:54	14:45		9	6:26	7:29	12:57	14:00
	10	5:26	6:17	13:51	14:43		10	6:27	7:31	12:57	14:00
	11	5:28	6:20	13:49	14:41		11	6:28	7:32	12:56	14:00
	12	5:31	6:23	13:46	14:38		12	6:30	7:34	12:55	13:59
	13	5:33	6:26	13:44	14:36		13	6:31	7:35	12:55	13:59
	14	5:36	6:28	13:41	14:34		14	6:32	7:36	12:55	13:59
	15	5:38	6:31	13:39	14:32		15	6:33	7:38	12:54	13:59
	16	5:40	6:34	13:36	14:30		16	6:34	7:39	12:54	13:59
	17	5:43	6:37	13:34	14:28		17	6:35	7:40	12:54	13:59
	18	5:45	6:40	13:32	14:26		18	6:36	7:41	12:54	13:59
	19	5:47	6:42	13:30	14:24		19	6:36	7:41	12:54	14:00
	20	5:50	6:45	13:27	14:23		20	6:37	7:42	12:55	14:00
	21	5:52	6:48	13:25	14:21		21	6:38	7:43	12:55	14:00
	22	5:54	6:50	13:23	14:19		22	6:38	7:43	12:56	14:01
	23	5:56	6:53	13:21	14:18		23	6:38	7:44	12:56	14:02
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	28	6:07	7:06	13:12	14:10		28	6:39	7:44	13:01	14:06
	29	6:09	7:08	13:10	14:09		29	6:39	7:44	13:02	14:07
	30	6:11	7:10	13:08	14:08		30	6:39	7:43	13:04	14:08
							31	6:39	7:43	13:05	14:09

3. HELSINKI-VANTAA - EFHK

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JAN	1	6:28	7:25	13:23	14:20	FEB	1	5:48	6:36	14:33	15:21
	2	6:27	7:25	13:24	14:22		2	5:46	6:33	14:35	15:23
	3	6:27	7:24	13:26	14:23		3	5:43	6:31	14:38	15:25
	4	6:26	7:23	13:27	14:24		4	5:41	6:28	14:41	15:28
	5	6:26	7:23	13:29	14:26		5	5:39	6:26	14:44	15:30
	6	6:25	7:22	13:31	14:27		6	5:37	6:23	14:46	15:33
	7	6:25	7:21	13:33	14:29		7	5:34	6:21	14:49	15:35
	8	6:24	7:20	13:35	14:31		8	5:32	6:18	14:52	15:38
	9	6:23	7:18	13:37	14:32		9	5:30	6:15	14:54	15:40
	10	6:22	7:17	13:39	14:34		10	5:27	6:13	14:57	15:42
	11	6:21	7:16	13:41	14:36		11	5:25	6:10	15:00	15:45
	12	6:20	7:15	13:43	14:38		12	5:22	6:07	15:02	15:47
	13	6:19	7:13	13:45	14:39		13	5:20	6:05	15:05	15:50
	14	6:18	7:12	13:47	14:41		14	5:17	6:02	15:08	15:52
	15	6:17	7:10	13:50	14:43		15	5:15	5:59	15:10	15:55
	16	6:15	7:08	13:52	14:45		16	5:12	5:56	15:13	15:57
	17	6:14	7:07	13:54	14:47		17	5:10	5:54	15:16	16:00
	18	6:13	7:05	13:57	14:49		18	5:07	5:51	15:18	16:02
	19	6:11	7:03	13:59	14:51		19	5:04	5:48	15:21	16:05
	20	6:10	7:01	14:02	14:54		20	5:02	5:45	15:24	16:07
	21	6:08	6:59	14:04	14:56		21	4:59	5:42	15:26	16:10
	22	6:06	6:58	14:07	14:58		22	4:56	5:40	15:29	16:12
	23	6:05	6:56	14:09	15:00		23	4:54	5:37	15:31	16:14
	24	6:03	6:53	14:12	15:02		24	4:51	5:34	15:34	16:17
	25	6:01	6:51	14:14	15:05		25	4:48	5:31	15:37	16:19
	26	5:59	6:49	14:17	15:07		26	4:45	5:28	15:39	16:22
	27	5:58	6:47	14:20	15:09		27	4:43	5:25	15:42	16:24
	28	5:56	6:45	14:22	15:11		28	4:40	5:22	15:44	16:27
	29	5:54	6:43	14:25	15:14						
	30	5:52	6:40	14:27	15:16						
	31	5:50	6:38	14:30	15:18						
MAR	1	4:37	5:19	15:47	16:29	APR	1	3:02	3:45	17:05	17:48
	2	4:34	5:16	15:50	16:32		2	2:58	3:42	17:07	17:51
	3	4:31	5:13	15:52	16:34		3	2:55	3:39	17:10	17:53
	4	4:28	5:10	15:55	16:37		4	2:52	3:36	17:12	17:56
	5	4:25	5:07	15:57	16:39		5	2:49	3:33	17:14	17:59
	6	4:22	5:04	16:00	16:42		6	2:45	3:30	17:17	18:02
	7	4:19	5:01	16:02	16:44		7	2:42	3:27	17:19	18:04
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	9	4:13	4:55	16:07	16:49		9	2:36	3:21	17:24	18:10
	10	4:10	4:52	16:10	16:52		10	2:32	3:18	17:27	18:12
	11	4:07	4:49	16:12	16:54		11	2:29	3:15	17:29	18:15
	12	4:04	4:46	16:15	16:57		12	2:26	3:11	17:32	18:18
	13	4:01	4:43	16:17	16:59		13	2:22	3:09	17:34	18:21
	14	3:58	4:40	16:20	17:02		14	2:19	3:06	17:37	18:24
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	10	0:52	1:52	18:42	19:44		10	23:09	0:56	19:44	21:30
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	25	0:02	1:18	19:17	20:35		25	22:59	0:54	19:52	21:47
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	31	23:39	1:08	19:29	20:56						

HELSINKI-VANTAA - EFHK

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JUL	1	23:15	0:59	19:49	21:33	AUG	1	0:57	1:59	18:52	19:53
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	3	23:21	1:01	19:47	21:28		3	1:03	2:04	18:47	19:47
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	5	23:28	1:04	19:45	21:22		5	1:10	2:08	18:42	19:40
	6	23:31	1:05	19:44	21:19		6	1:13	2:11	18:39	19:37
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							31	4:56	5:41	14:25	15:11
NOV	1	4:58	5:44	14:23	15:08	DEC	1	6:03	6:58	13:20	14:15
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							31	6:28	7:26	13:21	14:19

4. IVALO - EFIV

Month	Day	TWIL FM	SR	SS	TWIL TO	Month	Day	TWIL FM	SR	SS	TWIL TO
1	2	3	4	5	6	1	2	3	4	5	6
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	2	7:35	-	-	12:54		2	6:17	7:31	13:17	14:32
	3	7:33	-	-	12:56		3	6:13	7:27	13:22	14:35
	4	7:32	-	-	12:58		4	6:10	7:22	13:26	14:39
	5	7:31	-	-	13:00		5	6:06	7:18	13:31	14:43
	6	7:29	-	-	13:03		6	6:03	7:13	13:36	14:46
	7	7:27	-	-	13:05		7	5:59	7:09	13:40	14:50
	8	7:26	10:08	10:26	13:08		8	5:56	7:04	13:45	14:54
	9	7:24	9:51	10:44	13:11		9	5:52	7:00	13:50	14:57
	10	7:22	9:39	10:56	13:14		10	5:48	6:55	13:54	15:01
	11	7:20	9:30	11:06	13:16		11	5:45	6:51	13:58	15:05
	12	7:18	9:22	11:15	13:19		12	5:41	6:47	14:03	15:09
	13	7:15	9:15	11:23	13:22		13	5:37	6:42	14:07	15:12
	14	7:13	9:08	11:30	13:26		14	5:34	6:38	14:12	15:16
	15	7:11	9:02	11:37	13:29		15	5:30	6:33	14:16	15:20
	16	7:08	8:56	11:44	13:32		16	5:26	6:29	14:20	15:23
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	25	6:43	8:09	12:37	14:03		25	4:51	5:50	14:57	15:57
	26	6:40	8:04	12:42	14:06		26	4:47	5:46	15:01	16:00
	27	6:36	7:59	12:47	14:10		27	4:43	5:41	15:05	16:04
	28	6:33	7:54	12:52	14:13		28	4:39	5:37	15:09	16:08
	29	6:30	7:50	12:57	14:17						
	30	6:27	7:45	13:02	14:21						
	31	6:23	7:41	13:07	14:24						
MAR	1	4:34	5:32	15:14	16:12	APR	1	2:17	3:18	17:12	18:14
	2	4:30	5:27	15:18	16:16		2	2:12	3:13	17:16	18:18
	3	4:26	5:23	15:22	16:20		3	2:07	3:09	17:20	18:23
	4	4:21	5:19	15:26	16:24		4	2:02	3:05	17:24	18:27
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MAY	1	22:31	1:01	19:17	21:42	JUN	1	-	-	-	-
	2	-	0:56	19:22	-		2	-	-	-	-
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	4	-	0:45	19:32	-		4	-	-	-	-
	5	-	0:40	19:37	-		5	-	-	-	-
	6	-	0:35	19:42	-		6	-	-	-	-
	7	-	0:30	19:47	-		7	-	-	-	-
	8	-	0:24	19:53	-		8	-	-	-	-
	9	-	0:19	19:58	-		9	-	-	-	-
	10	-	0:13	20:04	-		10	-	-	-	-
	11	-	0:08	20:10	-		11	-	-	-	-
	12	-	0:02	20:16	-		12	-	-	-	-
	13	-	23:49	20:22	-		13	-	-	-	-
	14	-	23:43	20:29	-		14	-	-	-	-
	15	-	23:36	20:35	-		15	-	-	-	-
	16	-	23:29	20:42	-		16	-	-	-	-
	17	-	23:22	20:50	-		17	-	-	-	-
	18	-	23:14	20:58	-		18	-	-	-	-
	19	-	23:04	21:08	-		19	-	-	-	-
	20	-	22:54	21:18	-		20	-	-	-	-
	21	-	22:41	21:32	-		21	-	-	-	-
	22	-	22:20	21:52	-		22	-	-	-	-
	23	-	-	-	-		23	-	-	-	-
	24	-	-	-	-		24	-	-	-	-
	25	-	-	-	-		25	-	-	-	-
	26	-	-	-	-		26	-	-	-	-
	27	-	-	-	-		27	-	-	-	-
	28	-	-	-	-		28	-	-	-	-
	29	-	-	-	-		29	-	-	-	-
	30	-	-	-	-		30	-	-	-	-
	31	-	-	-	-						

IVALO - EFIV

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JUL	1	-	-	-	-	AUG	1	-	0:12	20:15	-
	2	-	-	-	-		2	-	0:18	20:10	-
	3	-	-	-	-		3	-	0:24	20:04	-
	4	-	-	-	-		4	-	0:29	19:58	-
	5	-	-	-	-		5	-	0:35	19:53	-
	6	-	-	-	-		6	-	0:40	19:48	-
	7	-	-	-	-		7	-	0:45	19:43	-
	8	-	-	-	-		8	-	0:50	19:37	-
	9	-	-	-	-		9	-	0:55	19:32	-
	10	-	-	-	-		10	22:34	1:00	19:27	21:58
	11	-	-	-	-		11	22:58	1:04	19:22	21:34
	12	-	-	-	-		12	23:13	1:09	19:17	21:17
	13	-	-	-	-		13	23:26	1:14	19:12	21:05
	14	-	-	-	-		14	23:36	1:18	19:08	20:54
	15	-	-	-	-		15	23:45	1:23	19:03	20:44
	16	-	-	-	-		16	23:54	1:27	18:58	20:35
	17	-	-	-	-		17	0:00	1:31	18:53	20:27
	18	-	-	-	-		18	0:03	1:36	18:49	20:19
	19	-	-	-	-		19	0:09	1:40	18:44	20:12
	20	-	22:34	22:00	-		20	0:16	1:44	18:39	20:05
	21	-	22:52	21:41	-		21	0:23	1:49	18:35	19:58
	22	-	23:05	21:28	-		22	0:29	1:53	18:30	19:51
	23	-	23:16	21:18	-		23	0:36	1:57	18:25	19:44
	24	-	23:24	21:09	-		24	0:42	2:01	18:21	19:38
	25	-	23:33	21:01	-		25	0:47	2:05	18:16	19:32
	26	-	23:40	20:54	-		26	0:53	2:09	18:12	19:26
	27	-	23:47	20:46	-		27	0:58	2:13	18:07	19:20
	28	-	23:54	20:40	-		28	1:04	2:17	18:03	19:14
	29	-	23:59	20:33	-		29	1:09	2:21	17:58	19:09
	30	-	0:01	20:27	-		30	1:14	2:25	17:54	19:03
	31	-	0:06	20:21	-		31	1:19	2:29	17:49	18:58
SEP	1	1:24	2:33	17:45	18:52	OCT	1	3:26	4:23	15:34	16:31
	2	1:29	2:36	17:40	18:47		2	3:30	4:27	15:30	16:26
	3	1:33	2:40	17:36	18:42		3	3:34	4:31	15:26	16:22
	4	1:38	2:44	17:31	18:36		4	3:37	4:34	15:21	16:18
	5	1:43	2:48	17:27	18:31		5	3:41	4:38	15:17	16:14
	6	1:47	2:52	17:23	18:26		6	3:44	4:42	15:13	16:10
	7	1:52	2:55	17:18	18:21		7	3:48	4:45	15:08	16:05
	8	1:56	2:59	17:14	18:16		8	3:52	4:49	15:04	16:01
	9	2:00	3:03	17:09	18:11		9	3:55	4:53	15:00	15:57
	10	2:04	3:06	17:05	18:06		10	3:59	4:57	14:55	15:53
	11	2:09	3:10	17:01	18:01		11	4:03	5:00	14:51	15:49
	12	2:13	3:14	16:56	17:57		12	4:06	5:04	14:47	15:45
	13	2:17	3:17	16:52	17:52		13	4:10	5:08	14:42	15:41
	14	2:21	3:21	16:48	17:47		14	4:13	5:12	14:38	15:37
	15	2:25	3:25	16:43	17:42		15	4:17	5:16	14:34	15:33
	16	2:29	3:28	16:39	17:38		16	4:21	5:20	14:30	15:29
	17	2:33	3:32	16:34	17:33		17	4:24	5:24	14:25	15:25
	18	2:37	3:36	16:30	17:28		18	4:28	5:28	14:21	15:21
	19	2:41	3:39	16:26	17:24		19	4:31	5:32	14:17	15:17
	20	2:45	3:43	16:22	17:19		20	4:35	5:36	14:12	15:13
	21	2:49	3:47	16:17	17:15		21	4:39	5:40	14:08	15:09
	22	2:53	3:50	16:13	17:10		22	4:42	5:44	14:04	15:05
	23	2:56	3:54	16:09	17:06		23	4:46	5:48	13:59	15:01
	24	3:00	3:58	16:04	17:01		24	4:49	5:52	13:55	14:57
	25	3:04	4:01	16:00	16:57		25	4:53	5:56	13:51	14:53
	26	3:08	4:05	15:56	16:52		26	4:57	6:00	13:46	14:50
	27	3:11	4:09	15:51	16:48		27	5:00	6:04	13:42	14:46
	28	3:15	4:12	15:47	16:44		28	5:04	6:09	13:37	14:42
	29	3:19	4:16	15:43	16:39		29	5:07	6:13	13:33	14:38
	30	3:23	4:19	15:38	16:35		30	5:11	6:17	13:29	14:35
							31	5:15	6:21	13:24	14:31
NOV	1	5:18	6:26	13:20	14:27	DEC	1	7:01	9:13	10:45	12:57
	2	5:22	6:30	13:15	14:24		2	7:04	9:23	10:35	12:54
	3	5:25	6:35	13:11	14:20		3	7:07	9:37	10:22	12:52
	4	5:29	6:39	13:06	14:16		4	7:09	9:53	10:07	12:51
	5	5:33	6:44	13:02	14:13		5	7:12	-	-	12:49
	6	5:36	6:48	12:58	14:09		6	7:14	-	-	12:47
	7	5:40	6:53	12:53	14:06		7	7:17	-	-	12:46
	8	5:44	6:58	12:48	14:03		8	7:19	-	-	12:44
	9	5:47	7:02	12:44	13:59		9	7:21	-	-	12:43
	10	5:51	7:07	12:39	13:56		10	7:24	-	-	12:42
	11	5:54	7:12	12:35	13:52		11	7:26	-	-	12:41
	12	5:58	7:17	12:30	13:49		12	7:27	-	-	12:40
	13	6:01	7:22	12:25	13:46		13	7:29	-	-	12:39
	14	6:05	7:27	12:21	13:43		14	7:31	-	-	12:38
	15	6:08	7:32	12:16	13:39		15	7:32	-	-	12:38
	16	6:12	7:37	12:11	13:36		16	7:34	-	-	12:38
	17	6:15	7:42	12:06	13:33		17	7:35	-	-	12:37
	18	6:19	7:48	12:02	13:30		18	7:36	-	-	12:37
	19	6:22	7:53	11:57	13:27		19	7:37	-	-	12:37
	20	6:26	7:59	11:52	13:24		20	7:38	-	-	12:38
	21	6:29	8:04	11:47	13:21		21	7:38	-	-	12:38
	22	6:33	8:10	11:41	13:19		22	7:39	-	-	12:38
	23	6:36	8:16	11:36	13:16		23	7:39	-	-	12:39
	24	6:39	8:22	11:31	13:13		24	7:40	-	-	12:40
	25	6:42	8:28	11:25	13:11		25	7:40	-	-	12:41
	26	6:46	8:35	11:19	13:08		26	7:40	-	-	12:42
	27	6:49	8:41	11:13	13:06		27	7:39	-	-	12:43
	28	6:52	8:48	11:07	13:03		28	7:39	-	-	12:44
	29	6:55	8:55	11:00	13:01		29	7:38	-	-	12:46
	30	6:58	9:03	10:53	12:59		30	7:38	-	-	12:48
							31	7:37	-	-	12:50

5. JOENSUU - EFJO

Month	Day	TWIL	FM	SR	SS	TWIL	TO	Month	Day	TWIL	FM	SR	SS	TWIL	TO
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4
JAN	1	6:25	7:32	12:38	13:46	FEB	1	5:38	6:31	14:00	14:53				
	2	6:24	7:31	12:40	13:47		2	5:36	6:28	14:03	14:56				
	3	6:24	7:30	12:42	13:49		3	5:33	6:26	14:06	14:58				
	4	6:23	7:29	12:44	13:50		4	5:31	6:23	14:09	15:01				
	5	6:23	7:28	12:46	13:52		5	5:28	6:20	14:12	15:04				
	6	6:22	7:27	12:48	13:53		6	5:26	6:17	14:15	15:06				
	7	6:21	7:26	12:50	13:55		7	5:23	6:14	14:18	15:09				
	8	6:20	7:24	12:53	13:57		8	5:21	6:11	14:21	15:12				
	9	6:19	7:23	12:55	13:59		9	5:18	6:08	14:24	15:14				
	10	6:18	7:21	12:57	14:01		10	5:15	6:05	14:27	15:17				
	11	6:17	7:20	13:00	14:03		11	5:13	6:02	14:30	15:20				
	12	6:15	7:18	13:02	14:05		12	5:10	5:59	14:33	15:23				
	13	6:14	7:16	13:05	14:07		13	5:07	5:56	14:36	15:25				
	14	6:13	7:14	13:08	14:09		14	5:05	5:53	14:39	15:28				
	15	6:11	7:12	13:10	14:11		15	5:02	5:50	14:42	15:31				
	16	6:10	7:10	13:13	14:13		16	4:59	5:47	14:45	15:33				
	17	6:08	7:08	13:16	14:16		17	4:56	5:44	14:48	15:36				
	18	6:07	7:06	13:19	14:18		18	4:53	5:41	14:51	15:39				
	19	6:05	7:04	13:21	14:20		19	4:50	5:38	14:54	15:42				
	20	6:03	7:02	13:24	14:23		20	4:47	5:34	14:57	15:44				
	21	6:01	6:59	13:27	14:25		21	4:44	5:31	15:00	15:47				
	22	6:00	6:57	13:30	14:27		22	4:41	5:28	15:03	15:50				
	23	5:58	6:55	13:33	14:30		23	4:38	5:25	15:06	15:53				
	24	5:56	6:52	13:36	14:32		24	4:35	5:22	15:09	15:55				
	25	5:54	6:50	13:39	14:35		25	4:32	5:18	15:12	15:58				
	26	5:52	6:47	13:42	14:37		26	4:29	5:15	15:15	16:01				
	27	5:49	6:45	13:45	14:40		27	4:26	5:12	15:18	16:04				
	28	5:47	6:42	13:48	14:42		28	4:23	5:09	15:21	16:06				
	29	5:45	6:39	13:51	14:45										
	30	5:43	6:37	13:54	14:48										
	31	5:41	6:34	13:57	14:50										
MAR	1	4:20	5:06	15:23	16:09	APR	1	2:35	3:22	16:50	17:37				
	2	4:17	5:02	15:26	16:12		2	2:32	3:19	16:53	17:40				
	3	4:14	4:59	15:29	16:15		3	2:28	3:16	16:55	17:43				
	4	4:10	4:56	15:32	16:17		4	2:25	3:12	16:58	17:46				
	5	4:07	4:52	15:35	16:20		5	2:21	3:09	17:01	17:49				
	6	4:04	4:49	15:38	16:23		6	2:17	3:06	17:04	17:52				
	7	4:01	4:46	15:40	16:26		7	2:14	3:02	17:07	17:56				
	8	3:58	4:43	15:43	16:29		8	2:10	2:59	17:09	17:59				
	9	3:54	4:39	15:46	16:31		9	2:06	2:56	17:12	18:02				
	10	3:51	4:36	15:49	16:34		10	2:03	2:52	17:15	18:05				
	11	3:48	4:33	15:52	16:37		11	1:59	2:49	17:18	18:08				
	12	3:44	4:29	15:55	16:40		12	1:55	2:46	17:21	18:11				
	13	3:41	4:26	15:57	16:42		13	1:52	2:42	17:23	18:15				
	14	3:38	4:23	16:00	16:45		14	1:48	2:39	17:26	18:18				
	15	3:34	4:19	16:03	16:48		15	1:44	2:36	17:29	18:21				
	16	3:31	4:16	16:06	16:51		16	1:40	2:32	17:32	18:25				
	17	3:28	4:13	16:08	16:54		17	1:37	2:29	17:35	18:28				
	18	3:24	4:09	16:11	16:57		18	1:33	2:26	17:38	18:31				
	19	3:21	4:06	16:14	16:59		19	1:29	2:23	17:41	18:35				
	20	3:17	4:03	16:17	17:02		20	1:25	2:19	17:43	18:38				
	21	3:14	3:59	16:20	17:05		21	1:21	2:16	17:46	18:42				
	22	3:11	3:56	16:22	17:08		22	1:18	2:13	17:49	18:45				
	23	3:07	3:53	16:25	17:11		23	1:14	2:10	17:52	18:49				
	24	3:04	3:49	16:28	17:14		24	1:10	2:06	17:55	18:52				
	25	3:00	3:46	16:31	17:17		25	1:06	2:03	17:58	18:56				
	26	2:57	3:43	16:33	17:20		26	1:02	2:00	18:01	18:59				
	27	2:53	3:39	16:36	17:22		27	0:58	1:57	18:04	19:03				
	28	2:50	3:36	16:39	17:25		28	0:54	1:54	18:06	19:07				
	29	2:46	3:32	16:42	17:28		29	0:50	1:50	18:09	19:11				
	30	2:43	3:29	16:44	17:31		30	0:46	1:47	18:12	19:14				
	31	2:39	3:26	16:47	17:34										
MAY	1	0:42	1:44	18:15	19:18	JUN	1	-	0:20	19:40	-				
	2	0:38	1:41	18:18	19:22		2	-	0:18	19:43	-				
	3	0:34	1:38	18:21	19:26		3	-	0:16	19:45	-				
	4	0:30	1:35	18:24	19:30		4	-	0:14	19:47	-				
	5	0:26	1:32	18:27	19:34		5	-	0:13	19:49	-				
	6	0:21	1:29	18:30	19:38		6	-	0:11	19:51	-				
	7	0:17	1:25	18:33	19:42		7	-	0:10	19:53	-				
	8	0:13	1:22	18:36	19:47		8	-	0:08	19:54	-				
	9	0:08	1:19	18:38	19:51		9	-	0:07	19:56	-				
	10	0:04	1:16	18:41	19:55		10	-	0:06	19:57	-				
	11	23:55	1:14	18:44	20:00		11	-	0:04	19:59	-				
	12	23:50	1:11	18:47	20:05		12	-	0:03	20:00	-				
	13	23:46	1:08	18:50	20:09		13	-	0:03	20:01	-				
	14	23:41	1:05	18:53	20:14		14	-	0:02	20:02	-				
	15	23:36	1:02	18:56	20:19		15	-	0:01	20:03	-				
	16	23:31	0:59	18:59	20:24		16	-	0:01	20:04	-				
	17	23:26	0:56	19:01	20:29		17	-	0:00	20:05	-				
	18	23:20	0:54	19:04	20:35		18	-	0:00	20:06	-				
	19	23:15	0:51	19:07	20:41		19	-	0:00	20:06	-				
	20	23:09	0:48	19:10	20:47		20	-	0:00	20:06	-				
	21	23:03	0:46	19:13	20:53		21	-	0:00	20:07	-				
	22	22:56	0:43	19:15	21:00		22	-	0:00	20:07	-				
	23	22:49	0:40	19:18	21:07		23	-	0:01	20:07	-				
	24	22:40	0:38	19:21	21:16		24	-	0:01	20:06	-				
	25	22:30	0:36	19:23	21:26		25	-	0:02	20:06	-				
	26	22:16	0:33	19:26	21:41		26	-	0:03	20:06	-				
	27	-	0:31	19:28	-		27	-	0:03	20:05	-				
	28	-	0:28	19:31	-		28	-	0:04	20:04	-				
	29	-	0:26	19:33											

JOENSUU - EFJO

Month	Day	TWIL	FM	SR	SS	TWIL	TO	Month	Day	TWIL	FM	SR	SS	TWIL	TO
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4
JUL	1	-	0:08	20:02	-			AUG	1	0:07	1:22	18:52	20:05		
	2	-	0:10	20:00	-				2	0:11	1:25	18:49	20:01		
	3	-	0:11	19:59	-				3	0:15	1:28	18:46	19:56		
	4	-	0:13	19:58	-				4	0:20	1:31	18:43	19:52		
	5	-	0:15	19:56	-				5	0:24	1:33	18:39	19:48		
	6	-	0:16	19:55	-				6	0:28	1:36	18:36	19:44		
	7	-	0:18	19:53	-				7	0:32	1:39	18:33	19:39		
	8	-	0:20	19:51	-				8	0:36	1:42	18:30	19:35		
	9	-	0:22	19:49	-				9	0:40	1:45	18:27	19:31		
	10	-	0:25	19:48	-				10	0:44	1:48	18:24	19:27		
	11	-	0:27	19:46	-				11	0:48	1:50	18:21	19:23		
	12	-	0:29	19:44	-				12	0:51	1:53	18:18	19:19		
	13	-	0:31	19:41	-				13	0:55	1:56	18:15	19:15		
	14	-	0:34	19:39	-				14	0:59	1:59	18:11	19:11		
	15	-	0:36	19:37	-				15	1:02	2:02	18:08	19:07		
	16	22:31	0:39	19:35	21:45				16	1:06	2:05	18:05	19:03		
	17	22:44	0:41	19:32	21:32				17	1:09	2:07	18:02	18:59		
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	19	23:01	0:46	19:27	21:15				19	1:16	2:13	17:55	18:51		
	20	23:08	0:49	19:25	21:08				20	1:20	2:16	17:52	18:47		
	21	23:15	0:52	19:22	21:02				21	1:23	2:19	17:49	18:43		
	22	23:21	0:54	19:20	20:55				22	1:27	2:21	17:45	18:40		
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SEP	1	1:59	2:49	17:12	18:02			OCT	1	3:24	4:09	15:32	16:17		
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	4	2:08	2:57	17:02	17:51				4	3:32	4:17	15:22	16:07		
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	25	5:46	6:46	12:50	13:50				25	6:26	7:35	12:29	13:38		
	26	5:48	6:49	12:48	13:49				26	6:26	7:35	12:30	13:38		
	27	5:50	6:52	12:46	13:47				27	6:26	7:35				

6. JYVÄSKYLÄ - EFJY

Month	Day	TWIL	FM	SR	SS	TWIL	TO	Month	Day	TWIL	FM	SR	SS	TWIL	TO
1	2	3	4	5	6	1	2	1	2	3	4	5	6	1	2
JAN	1	6:39	7:45	12:57	14:03	FEB	1	5:53	6:45	14:17	15:10				
	2	6:38	7:44	12:59	14:05		2	5:51	6:42	14:20	15:12				
	3	6:38	7:43	13:01	14:06		3	5:48	6:40	14:23	15:15				
	4	6:37	7:42	13:03	14:08		4	5:46	6:37	14:26	15:18				
	5	6:37	7:41	13:05	14:09		5	5:43	6:34	14:29	15:20				
	6	6:36	7:40	13:07	14:11		6	5:41	6:31	14:32	15:23				
	7	6:35	7:39	13:09	14:13		7	5:38	6:28	14:35	15:26				
	8	6:34	7:37	13:11	14:15		8	5:36	6:25	14:38	15:28				
	9	6:33	7:36	13:14	14:16		9	5:33	6:23	14:41	15:31				
	10	6:32	7:34	13:16	14:18		10	5:30	6:20	14:44	15:34				
	11	6:31	7:33	13:18	14:20		11	5:28	6:17	14:47	15:36				
	12	6:30	7:31	13:21	14:22		12	5:25	6:14	14:50	15:39				
	13	6:28	7:29	13:23	14:24		13	5:22	6:11	14:53	15:42				
	14	6:27	7:27	13:26	14:26		14	5:20	6:08	14:56	15:44				
	15	6:26	7:26	13:29	14:29		15	5:17	6:05	14:59	15:47				
	16	6:24	7:24	13:31	14:31		16	5:14	6:02	15:02	15:50				
	17	6:23	7:22	13:34	14:33		17	5:11	5:59	15:05	15:53				
	18	6:21	7:19	13:37	14:35		18	5:08	5:55	15:08	15:55				
	19	6:19	7:17	13:40	14:38		19	5:05	5:52	15:11	15:58				
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	21	6:16	7:13	13:45	14:42		21	5:00	5:46	15:17	16:03				
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	28	6:02	6:56	14:06	15:00		28	4:39	5:24	15:37	16:22				
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	30	5:57	6:51	14:11	15:05										
	31	5:55	6:48	14:14	15:07										
MAR	1	4:35	5:21	15:40	16:25	APR	1	2:52	3:39	17:05	17:52				
	2	4:32	5:17	15:43	16:28		2	2:49	3:35	17:08	17:55				
	3	4:29	5:14	15:45	16:31		3	2:45	3:32	17:11	17:58				
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	26	3:13	3:59	16:49	17:35		26	1:20	2:17	18:15	19:13				
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	28	3:06	3:52	16:54	17:40		28	1:12	2:11	18:21	19:20				
	29	3:03	3:49	16:57	17:43		29	1:08	2:08	18:24	19:24				
	30	2:59	3:45	17:00	17:46		30	1:04	2:05	18:26	19:27				
	31	2:56	3:42	17:03	17:49										
MAY	1	1:00	2:01	18:29	19:31	JUN	1	-	0:39	19:53	-				
	2	0:56	1:58	18:32	19:35		2	-	0:37	19:55	-				
	3	0:52	1:55	18:35	19:39		3	-	0:36	19:57	-				
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	5	0:44	1:49	18:41	19:47		5	-	0:32	20:01	-				
	6	0:40	1:46	18:44	19:51		6	-	0:31	20:03	-				
	7	0:36	1:43	18:47	19:55		7	-	0:29	20:04	-				
	8	0:32	1:40	18:49	19:59		8	-	0:28	20:06	-				
	9	0:28	1:37	18:52	20:03		9	-	0:27	20:08	-				
	10	0:23	1:34	18:55	20:07		10	-	0:25	20:09	-				
	11	0:19	1:31	18:58	20:12		11	-	0:24	20:10	-				
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	14	0:06	1:23	19:06	20:25		14	-	0:22	20:14	-				
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	27	22:40	0:50	19:41	21:48		27	-	0:24	20:17	-				
	28	22:19	0:47	19:43	22:11		28	-	0:25	20:16	-				
	29	-													

JYVÄSKYLÄ - EFJY

Month	Day	TWIL FM	SR	SS	TWIL TO	Month	Day	TWIL FM	SR	SS	TWIL TO
1	2	3	4	5	6	1	2	3	4	5	6
JUL	1	-	0:28	20:13	-	AUG	1	0:27	1:40	19:05	20:17
	2	-	0:30	20:12	-		2	0:31	1:43	19:02	20:13
	3	-	0:31	20:11	-		3	0:35	1:46	18:59	20:09
	4	-	0:33	20:10	-		4	0:39	1:48	18:56	20:04
	5	-	0:34	20:08	-		5	0:43	1:51	18:53	20:00
	6	-	0:36	20:07	-		6	0:47	1:54	18:50	19:56
	7	-	0:38	20:05	-		7	0:51	1:57	18:47	19:52
	8	-	0:40	20:03	-		8	0:55	2:00	18:44	19:48
	9	-	0:42	20:02	-		9	0:59	2:02	18:41	19:44
	10	-	0:44	20:00	-		10	1:02	2:05	18:38	19:40
	11	-	0:46	19:58	-		11	1:06	2:08	18:35	19:36
	12	-	0:48	19:56	-		12	1:10	2:11	18:32	19:32
	13	-	0:51	19:54	-		13	1:13	2:13	18:29	19:28
	14	22:40	0:53	19:52	22:08		14	1:17	2:16	18:26	19:24
	15	22:54	0:55	19:50	21:53		15	1:21	2:19	18:22	19:20
	16	23:04	0:58	19:47	21:43		16	1:24	2:22	18:19	19:16
	17	23:12	1:00	19:45	21:35		17	1:28	2:25	18:16	19:12
	18	23:20	1:03	19:43	21:28		18	1:31	2:27	18:13	19:09
	19	23:26	1:05	19:40	21:22		19	1:34	2:30	18:10	19:05
	20	23:33	1:08	19:38	21:15		20	1:38	2:33	18:07	19:01
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	31	0:22	1:37	19:08	20:21		31	2:13	3:03	17:31	18:20
SEP	1	2:16	3:05	17:27	18:16	OCT	1	3:40	4:25	15:48	16:32
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	10	2:42	3:29	16:58	17:44		10	4:04	4:49	15:18	16:03
	11	2:45	3:32	16:54	17:41		11	4:06	4:52	15:15	16:00
	12	2:48	3:35	16:51	17:37		12	4:09	4:54	15:12	15:57
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							31	4:59	5:48	14:13	15:02
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							31	6:39	7:46	12:55	14:02

7. KAJAANI - EFKI

Month	Day	TWIL FM	SR	SS	TWIL TO	Month	Day	TWIL FM	SR	SS	TWIL TO		
1	2	3	4	5	6	1	2	3	4	5	6		
JAN	1	6:46	8:03	12:23	13:40	FEB	1	5:53	6:51	13:56	14:53		
	2	6:45	8:02	12:25	13:42		2	5:51	6:47	13:59	14:56		
	3	6:44	8:01	12:27	13:43		3	5:48	6:44	14:03	14:59		
	4	6:44	7:59	12:30	13:45		4	5:45	6:41	14:06	15:02		
	5	6:43	7:58	12:32	13:47		5	5:43	6:38	14:10	15:05		
	6	6:42	7:56	12:34	13:49		6	5:40	6:35	14:13	15:08		
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	8	6:40	7:53	12:40	13:53		8	5:34	6:28	14:20	15:14		
	9	6:39	7:51	12:42	13:55		9	5:31	6:25	14:23	15:17		
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	29	6:01	7:00	13:46	14:45								
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	31	5:56	6:54	13:53	14:51								
MAR	1	4:29	5:17	15:27	16:16	APR	1	2:37	3:27	17:01	17:51		
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	30	2:45	3:34	16:55	17:45		30	0:35	1:44	18:31	19:41		
	31	2:41	3:31	16:58	17:48								
MAY	1	0:31	1:41	18:34	19:46	JUN	1	-	0:02	20:15	-		
	2	0:26	1:37	18:38	19:51		2	-	23:57	20:17	-		
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	9	23:43	1:13	19:01	20:28		9	-	23:42	20:35	-		
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	21	-	0:34	19:40	-		21	-	23:33	20:49	-		
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	24	-	0:25	19:50	-		24	-	23:35	20:48	-		
	25	-	0:22	19:53	-		25	-	23:36	20:48	-		
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	28	-	0:13	20:03	-		28	-	23:40	20:45	-		
	29	-	0:10	20:06	-		29	-	23:42	20:44	-		
	30	-	0:07	20:09	-		30	-	23:44	20:42	-		
	31	-	0:05	20:12	-								

KAJAANI - EFKI

Month	Day	TWIL FM	SR	SS	TWIL TO	Month	Day	TWIL FM	SR	SS	TWIL TO
1	2	3	4	5	6	1	2	3	4	5	6
JUL	1	-	23:46	20:41	-	AUG	1	23:49	1:15	19:14	20:43
	2	-	23:48	20:39	-		2	23:55	1:18	19:11	20:37
	3	-	23:50	20:37	-		3	-	1:21	19:07	20:31
	4	-	23:53	20:35	-		4	0:00	1:24	19:04	20:26
	5	-	23:55	20:33	-		5	0:06	1:27	19:01	20:20
	6	-	23:57	20:31	-		6	0:11	1:31	18:57	20:15
	7	-	-	20:29	-		7	0:16	1:34	18:54	20:09
	8	-	0:00	20:26	-		8	0:21	1:37	18:50	20:04
	9	-	0:03	20:24	-		9	0:26	1:40	18:47	19:59
	10	-	0:06	20:21	-		10	0:31	1:44	18:43	19:54
	11	-	0:08	20:19	-		11	0:35	1:47	18:40	19:50
	12	-	0:11	20:16	-		12	0:40	1:50	18:36	19:45
	13	-	0:14	20:13	-		13	0:44	1:53	18:33	19:40
	14	-	0:17	20:11	-		14	0:49	1:56	18:29	19:35
	15	-	0:20	20:08	-		15	0:53	1:59	18:26	19:31
	16	-	0:23	20:05	-		16	0:57	2:02	18:22	19:26
	17	-	0:26	20:02	-		17	1:01	2:06	18:19	19:22
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	19	-	0:33	19:56	-		19	1:09	2:12	18:12	19:13
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	22	-	0:42	19:47	-		22	1:21	2:21	18:01	19:00
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SEP	1	1:57	2:51	17:25	18:19	OCT	1	3:30	4:18	15:38	16:26
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							31	4:57	5:50	13:55	14:48
NOV	1	5:00	5:53	13:51	14:45	DEC	1	6:18	7:29	12:27	13:38
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	6	5:14	6:10	13:35	14:31		6	6:28	7:42	12:18	13:33
	7	5:17	6:13	13:32	14:28		7	6:29	7:45	12:16	13:32
	8	5:19	6:16	13:29	14:26		8	6:31	7:47	12:15	13:31
	9	5:22	6:20	13:26	14:23		9	6:33	7:49	12:14	13:30
	10	5:25	6:23	13:23	14:20		10	6:34	7:51	12:12	13:30
	11	5:28	6:26	13:20	14:18		11	6:36	7:53	12:11	13:29
	12	5:31	6:29	13:17	14:15		12	6:37	7:55	12:10	13:29
	13	5:33	6:33	13:14	14:13		13	6:38	7:57	12:10	13:28
	14	5:36	6:36	13:11	14:11		14	6:40	7:59	12:09	13:28
	15	5:39	6:39	13:08	14:08		15	6:41	8:00	12:09	13:28
	16	5:41	6:43	13:05	14:06		16	6:42	8:02	12:08	13:28
	17	5:44	6:46	13:02	14:04		17	6:43	8:03	12:08	13:28
	18	5:47	6:49	12:59	14:01		18	6:44	8:04	12:08	13:28
	19	5:49	6:52	12:56	13:59		19	6:44	8:05	12:08	13:28
	20	5:52	6:56	12:53	13:57		20	6:45	8:06	12:08	13:29
	21	5:54	6:59	12:51	13:55		21	6:46	8:06	12:09	13:29
	22	5:57	7:02	12:48	13:53		22	6:46	8:07	12:09	13:30
	23	5:59	7:05	12:45	13:51		23	6:47	8:07	12:10	13:30
	24	6:02	7:08	12:43	13:49		24	6:47	8:07	12:11	13:31
	25	6:04	7:11	12:40	13:48		25	6:47	8:07	12:12	13:32
	26	6:07	7:14	12:38	13:46		26	6:47	8:07	12:13	13:33
	27	6:09	7:18	12:36	13:44		27	6:47	8:07	12:14	13:34
	28	6:11	7:21	12:33	13:43		28	6:47	8:06	12:15	13:35
	29	6:14	7:23	12:31	13:41		29	6:47	8:06	12:17	13:36
	30	6:16	7:26	12:29	13:40		30	6:47	8:05	12:19	13:37
							31	6:46	8:04	12:21	13:39

8. KEMI-TORNIO - EFKE

Month	Day	TWIL	FM	SR	SS	TWIL	TO	Month	Day	TWIL	FM	SR	SS	TWIL	TO
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4
JAN	1	7:12	8:44	12:07	13:39			FEB	1	6:13	7:15	13:56	14:58		
	2	7:11	8:42	12:10	13:40				2	6:10	7:12	14:00	15:01		
	3	7:11	8:40	12:12	13:42				3	6:08	7:08	14:03	15:05		
	4	7:10	8:39	12:15	13:44				4	6:05	7:05	14:07	15:08		
	5	7:09	8:36	12:18	13:46				5	6:02	7:01	14:11	15:11		
	6	7:08	8:34	12:21	13:48				6	5:59	6:58	14:15	15:14		
	7	7:06	8:32	12:24	13:50				7	5:56	6:54	14:18	15:17		
	8	7:05	8:30	12:28	13:52				8	5:53	6:51	14:22	15:20		
	9	7:04	8:27	12:31	13:54				9	5:50	6:47	14:26	15:23		
	10	7:02	8:25	12:34	13:57				10	5:46	6:44	14:29	15:27		
	11	7:01	8:22	12:38	13:59				11	5:43	6:40	14:33	15:30		
	12	6:59	8:19	12:41	14:01				12	5:40	6:36	14:37	15:33		
	13	6:58	8:16	12:45	14:04				13	5:37	6:33	14:40	15:36		
	14	6:56	8:14	12:49	14:06				14	5:34	6:29	14:44	15:39		
	15	6:54	8:11	12:52	14:09				15	5:30	6:25	14:47	15:42		
	16	6:52	8:08	12:56	14:12				16	5:27	6:22	14:51	15:46		
	17	6:50	8:05	13:00	14:14				17	5:24	6:18	14:54	15:49		
	18	6:48	8:02	13:03	14:17				18	5:21	6:14	14:58	15:52		
	19	6:46	7:59	13:07	14:20				19	5:17	6:11	15:01	15:55		
	20	6:44	7:55	13:11	14:23				20	5:14	6:07	15:05	15:58		
	21	6:41	7:52	13:14	14:25				21	5:10	6:03	15:08	16:02		
	22	6:39	7:49	13:18	14:28				22	5:07	6:00	15:12	16:05		
	23	6:37	7:46	13:22	14:31				23	5:04	5:56	15:15	16:08		
	24	6:34	7:43	13:26	14:34				24	5:00	5:52	15:19	16:11		
	25	6:32	7:39	13:30	14:37				25	4:57	5:49	15:22	16:14		
	26	6:29	7:36	13:33	14:40				26	4:53	5:45	15:26	16:18		
	27	6:27	7:33	13:37	14:43				27	4:50	5:41	15:29	16:21		
	28	6:24	7:29	13:41	14:46				28	4:46	5:37	15:32	16:24		
	29	6:21	7:26	13:45	14:49										
	30	6:19	7:22	13:48	14:52										
	31	6:16	7:19	13:52	14:55										
MAR	1	4:42	5:34	15:36	16:27			APR	1	2:43	3:36	17:17	18:11		
	2	4:39	5:30	15:39	16:30				2	2:39	3:32	17:20	18:14		
	3	4:35	5:26	15:42	16:34				3	2:35	3:29	17:23	18:18		
	4	4:32	5:22	15:46	16:37				4	2:30	3:25	17:26	18:21		
	5	4:28	5:19	15:49	16:40				5	2:26	3:21	17:30	18:25		
	6	4:24	5:15	15:52	16:43				6	2:22	3:17	17:33	18:29		
	7	4:21	5:11	15:56	16:46				7	2:18	3:13	17:36	18:33		
	8	4:17	5:07	15:59	16:50				8	2:13	3:09	17:40	18:36		
	9	4:13	5:04	16:02	16:53				9	2:09	3:06	17:43	18:40		
	10	4:10	5:00	16:06	16:56				10	2:05	3:02	17:46	18:44		
	11	4:06	4:56	16:09	16:59				11	2:00	2:58	17:50	18:48		
	12	4:02	4:52	16:12	17:03				12	1:56	2:54	17:53	18:52		
	13	3:58	4:49	16:15	17:06				13	1:51	2:50	17:56	18:56		
	14	3:54	4:45	16:19	17:09				14	1:47	2:46	18:00	19:00		
	15	3:51	4:41	16:22	17:12				15	1:42	2:43	18:03	19:04		
	16	3:47	4:37	16:25	17:16				16	1:38	2:39	18:06	19:08		
	17	3:43	4:33	16:28	17:19				17	1:33	2:35	18:10	19:13		
	18	3:39	4:30	16:32	17:22				18	1:28	2:31	18:13	19:17		
	19	3:35	4:26	16:35	17:26				19	1:24	2:27	18:17	19:21		
	20	3:31	4:22	16:38	17:29				20	1:19	2:23	18:20	19:26		
	21	3:27	4:18	16:41	17:32				21	1:14	2:19	18:24	19:30		
	22	3:23	4:14	16:44	17:36				22	1:09	2:16	18:27	19:35		
	23	3:19	4:11	16:48	17:39				23	1:04	2:12	18:31	19:40		
	24	3:15	4:07	16:51	17:43				24	0:59	2:08	18:34	19:45		
	25	3:11	4:03	16:54	17:46				25	0:54	2:04	18:38	19:49		
	26	3:07	3:59	16:57	17:49				26	0:48	2:00	18:41	19:54		
	27	3:03	3:55	17:01	17:53				27	0:43	1:56	18:45	20:00		
	28	2:59	3:52	17:04	17:56				28	0:38	1:52	18:48	20:05		
	29	2:55	3:48	17:07	18:00				29	0:32	1:49	18:52	20:10		
	30	2:51	3:44	17:10	18:03				30	0:26	1:45	18:56	20:16		
	31	2:47	3:40	17:13	18:07										
MAY	1	0:21	1:41	18:59	20:22			JUN	1	-	23:32	21:07	-		
	2	0:14	1:37	19:03	20:28				2	-	23:29	21:11	-		
	3	0:08	1:33	19:07	20:34				3	-	23:25	21:15	-		
	4	0:02	1:29	19:10	20:41				4	-	23:21	21:20	-		
	5	23:48	1:25	19:14	20:48				5	-	23:17	21:24	-		
	6	23:40	1:22	19:18	20:56				6	-	23:13	21:28	-		
	7	23:32	1:18	19:22	21:04				7	-	23:09	21:33	-		
	8	23:23	1:14	19:25	21:13				8	-	23:04	21:37	-		
	9	23:12	1:10	19:29	21:23				9	-	23:00	21:42	-		
	10	22:59	1:06	19:33	21:36				10	-	22:56	21:47	-		
	11	22:41	1:02	19:37	21:54				11	-	22:52	21:51	-		
	12	-	0:58	19:41	-				12	-	22:47	21:56	-		
	13	-	0:54	19:45	-				13	-	22:43	22:01	-		
	14	-	0:51	19:48	-				14	-	22:38	22:07	-		
	15	-	0:47	19:52	-				15	-	22:31	22:14	-		
	16	-	0:43	19:56	-				16	-	-	-	-		
	17	-	0:39	20:00	-				17	-	-	-	-		
	18	-	0:35	20:04	-				18	-	-	-	-		
	19	-	0:31	20:08	-				19	-	-	-	-		
	20	-	0:27	20:12	-				20	-	-	-	-		
	21	-	0:23	20:16	-				21	-	-	-	-		
	22	-	0:19	20:20	-				22	-	-	-	-		
	23	-	0:16	20:25	-				23	-	-	-	-		
	24	-	0:12	20:29	-				24	-	22:36	22:13	-		
	25	-	0:08	20:33	-				25	-	22:43	22:07	-		
	26	-	0:04	20:37	-				26	-	22:48	22:02	-		
	27	-	0:00	20:41	-				27	-	22:53	21:57	-		
	28	-	23:48	20:49	-				28	-	22:58	21:53	-		
	29	-	23:44	20:54	-				29	-	23:02	21:49	-		
	30	-	23:40	20:58	-				30	-	23:07	21:45	-		
	31	-	23:36	21:02	-										

KEMI-TORNIO - EFKE

Month 1	Day 2	TWIL 3	FM 4	SR 5	SS 6	TWIL 7	TO 8	Month 1	Day 2	TWIL 3	FM 4	SR 5	SS 6	TWIL 7	TO 8
JUL	1	-	23:11	21:41	-			AUG	1	23:25	1:14	19:39	21:31		
	2	-	23:16	21:36	-				2	23:35	1:18	19:35	21:21		
	3	-	23:20	21:32	-				3	23:44	1:21	19:31	21:12		
	4	-	23:25	21:28	-				4	23:52	1:25	19:27	21:04		
	5	-	23:29	21:24	-				5	23:59	1:29	19:24	20:57		
	6	-	23:33	21:20	-				6	-	1:32	19:20	20:50		
	7	-	23:38	21:17	-				7	0:06	1:36	19:16	20:43		
	8	-	23:42	21:13	-				8	0:12	1:40	19:12	20:36		
	9	-	23:46	21:09	-				9	0:19	1:43	19:08	20:30		
	10	-	23:50	21:05	-				10	0:25	1:47	19:04	20:24		
	11	-	23:54	21:01	-				11	0:30	1:50	19:00	20:18		
	12	-	23:59	20:57	-				12	0:36	1:54	18:56	20:13		
	13	-	-	20:53	-				13	0:41	1:57	18:53	20:07		
	14	-	0:03	20:49	-				14	0:46	2:01	18:49	20:02		
	15	-	0:07	20:45	-				15	0:51	2:04	18:45	19:56		
	16	-	0:11	20:41	-				16	0:56	2:08	18:41	19:51		
	17	-	0:15	20:37	-				17	1:01	2:11	18:37	19:46		
	18	-	0:19	20:33	-				18	1:06	2:15	18:33	19:41		
	19	-	0:23	20:29	-				19	1:10	2:18	18:29	19:36		
	20	-	0:27	20:26	-				20	1:15	2:21	18:26	19:31		
	21	-	0:31	20:22	-				21	1:19	2:25	18:22	19:26		
	22	-	0:35	20:18	-				22	1:24	2:28	18:18	19:22		
	23	-	0:39	20:14	-				23	1:28	2:32	18:14	19:17		
	24	-	0:43	20:10	-				24	1:32	2:35	18:10	19:12		
	25	-	0:47	20:06	-				25	1:36	2:38	18:06	19:08		
	26	-	0:51	20:02	-				26	1:40	2:41	18:03	19:03		
	27	-	0:55	19:58	-				27	1:44	2:45	17:59	18:58		
	28	-	0:59	19:55	-				28	1:48	2:48	17:55	18:54		
	29	-	1:03	19:51	-				29	1:52	2:51	17:51	18:49		
	30	22:57	1:06	19:47	21:59				30	1:56	2:55	17:47	18:45		
	31	23:13	1:10	19:43	21:43				31	2:00	2:58	17:43	18:41		
SEP	1	2:04	3:01	17:39	18:36			OCT	1	3:45	4:35	15:45	16:35		
	2	2:07	3:04	17:36	18:32				2	3:48	4:38	15:41	16:32		
	3	2:11	3:07	17:32	18:28				3	3:51	4:42	15:38	16:28		
	4	2:15	3:11	17:28	18:23				4	3:54	4:45	15:34	16:24		
	5	2:18	3:14	17:24	18:19				5	3:57	4:48	15:30	16:21		
	6	2:22	3:17	17:20	18:15				6	4:00	4:51	15:26	16:17		
	7	2:25	3:20	17:16	18:11				7	4:03	4:54	15:22	16:13		
	8	2:29	3:23	17:13	18:06				8	4:07	4:58	15:19	16:10		
	9	2:33	3:26	17:09	18:02				9	4:10	5:01	15:15	16:06		
	10	2:36	3:30	17:05	17:58				10	4:13	5:04	15:11	16:02		
	11	2:39	3:33	17:01	17:54				11	4:16	5:07	15:07	15:59		
	12	2:43	3:36	16:57	17:50				12	4:19	5:11	15:04	15:55		
	13	2:46	3:39	16:53	17:46				13	4:22	5:14	15:00	15:52		
	14	2:50	3:42	16:50	17:42				14	4:25	5:17	14:56	15:48		
	15	2:53	3:45	16:46	17:38				15	4:28	5:20	14:53	15:45		
	16	2:56	3:48	16:42	17:34				16	4:31	5:24	14:49	15:41		
	17	3:00	3:51	16:38	17:30				17	4:34	5:27	14:45	15:38		
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	19	3:06	3:58	16:31	17:22				19	4:41	5:34	14:38	15:31		
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	24	3:22	4:13	16:12	17:02				24	4:56	5:51	14:19	15:14		
	25	3:26	4:16	16:08	16:58				25	4:59	5:54	14:16	15:11		
	26	3:29	4:19	16:04	16:54				26	5:02	5:58	14:12	15:07		
	27	3:32	4:23	16:00	16:51				27	5:05	6:01	14:08	15:04		
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	29	3:38	4:29	15:53	16:43				29	5:12	6:08	14:01	14:58		
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									31	5:18	6:15	13:54	14:52		
NOV	1	5:21	6:19	13:50	14:48			DEC	1	6:45	8:08	12:14	13:37		
	2	5:24	6:23	13:47	14:45				2	6:47	8:11	12:11	13:35		
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	4	5:30	6:30	13:40	14:39				4	6:51	8:18	12:06	13:33		
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	6	5:36	6:37	13:33	14:34				6	6:55	8:24	12:02	13:30		
	7	5:39	6:41	13:29	14:31				7	6:57	8:27	12:00	13:30		
	8	5:42	6:44	13:26	14:28				8	6:59	8:30	11:58	13:29		
	9	5:45	6:48	13:22	14:25				9	7:01	8:32	11:57	13:28		
	10	5:48	6:52	13:19	14:22				10	7:02	8:35	11:55	13:27		
	11	5:51	6:55	13:15	14:19				11	7:04	8:37	11:54	13:27		
	12	5:54	6:59	13:12	14:17				12	7:05	8:39	11:52	13:26		
	13	5:57	7:03	13:08	14:14				13	7:07	8:41	11:51	13:26		
	14	6:00	7:07	13:05	14:12				14	7:08	8:43	11:50	13:26		
	15	6:03	7:10	13:02	14:09				15	7:09	8:45	11:50	13:26		
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	19	6:14	7:25	12:49	13:59				19	7:12	8:50	11:49	13:26		
	20	6:17	7:29	12:45	13:57				20	7:13	8:50	11:49	13:27		
	21	6:20	7:33	12:42	13:55				21	7:13	8:51	11:50	13:27		
	22	6:23	7:36	12:39	13:53				22	7:14	8:51	11:51	13:28		
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	27	6:36	7:54	12:24	13:43				27	7:14	8:49	11:57	13:33		
	28	6:38	7:58	12:22	13:41				28	7:14	8:48	11:59	13:34		
	29	6:40	8:01												

9. KITTILÄ- EFKT

Month	Day	TWIL	FM	SR	SS	TWIL	TO	Month	Day	TWIL	FM	SR	SS	TWIL	TO
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4
JAN	1	7:33	9:56	10:52	13:15			FEB	1	6:24	7:35	13:34	14:45		
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	30	6:30	7:43	13:26	14:38										
	31	6:27	7:39	13:30	14:42										
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	15	3:48	4:42	16:19	17:14				15	1:25	2:32	18:12	19:21		
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MAY	1	23:29	1:22	19:16	21:05			JUN	1	-	-	-	-		
	2	23:18	1:18	19:21	21:16				2	-	-	-	-		
	3	23:04	1:13	19:25	21:30				3	-	-	-	-		
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	5	-	1:04	19:34	-				5	-	-	-	-		
	6	-	0:59	19:39	-				6	-	-	-	-		
	7	-	0:55	19:43	-				7	-	-	-	-		
	8	-	0:50	19:48	-				8	-	-	-	-		
	9	-	0:45	19:53	-				9	-	-	-	-		
	10	-	0:40	19:58	-				10	-	-	-	-		
	11	-	0:35	20:03	-				11	-	-	-	-		
	12	-	0:30	20:08	-				12	-	-	-	-		
	13	-	0:25	20:13	-				13	-	-	-	-		
	14	-	0:20	20:18	-				14	-	-	-	-		
	15	-	0:15	20:23	-				15	-	-	-	-		
	16	-	0:10	20:29	-				16	-	-	-	-		
	17	-	0:04	20:35	-				17	-	-	-	-		
	18	-	23:53	20:40	-				18	-	-	-	-		
	19	-	23:47	20:46	-				19	-	-	-	-		
	20	-	23:41	20:53	-				20	-	-	-	-		
	21	-	23:34	20:59	-				21	-	-	-	-		
	22	-	23:28	21:06	-				22	-	-	-	-		
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	24	-	23:12	21:22	-				24	-	-	-	-		
	25	-	23:03	21:31	-				25	-	-	-	-		
	26	-	22:52	21:42	-				26	-	-	-	-		
	27	-	22:37	21:58	-				27	-	-	-	-		
	28	-	-	-	-				28	-	-	-	-		
	29	-	-	-	-				29	-	-	-	-		
	30	-	-	-	-				30	-	-	-	-		
	31	-	-	-	-										

KITTILÄ - EFKT

Month 1	Day 2	TWIL 3	FM 4	SR 5	SS 6	TWIL TO 6	Month 1	Day 2	TWIL 3	FM 4	SR 5	SS 6	TWIL TO 6
JUL	1	-	-	-	-	-	AUG	1	-	0:40	20:10	-	-
	2	-	-	-	-	-		2	-	0:45	20:05	-	-
	3	-	-	-	-	-		3	-	0:50	20:00	-	-
	4	-	-	-	-	-		4	-	0:54	19:55	-	-
	5	-	-	-	-	-		5	-	0:59	19:51	-	-
	6	-	-	-	-	-		6	-	1:04	19:46	-	-
	7	-	-	-	-	-		7	22:45	1:08	19:41	22:09	-
	8	-	-	-	-	-		8	23:09	1:13	19:37	21:45	-
	9	-	-	-	-	-		9	23:23	1:17	19:32	21:30	-
	10	-	-	-	-	-		10	23:35	1:21	19:27	21:18	-
	11	-	-	-	-	-		11	23:45	1:26	19:23	21:08	-
	12	-	-	-	-	-		12	23:54	1:30	19:18	20:58	-
	13	-	-	-	-	-		13	-	1:34	19:14	20:50	-
	14	-	-	-	-	-		14	0:02	1:38	19:09	20:42	-
	15	-	22:44	22:11	-	-		15	0:10	1:42	19:05	20:34	-
	16	-	23:01	21:54	-	-		16	0:17	1:46	19:00	20:27	-
	17	-	23:12	21:42	-	-		17	0:24	1:50	18:56	20:20	-
	18	-	23:21	21:33	-	-		18	0:30	1:54	18:52	20:14	-
	19	-	23:30	21:25	-	-		19	0:36	1:58	18:47	20:07	-
	20	-	23:37	21:18	-	-		20	0:42	2:02	18:43	20:01	-
	21	-	23:44	21:11	-	-		21	0:48	2:06	18:39	19:55	-
	22	-	23:51	21:04	-	-		22	0:54	2:10	18:34	19:49	-
	23	-	23:57	20:58	-	-		23	0:59	2:14	18:30	19:43	-
	24	-	-	20:52	-	-		24	1:04	2:18	18:26	19:38	-
	25	-	0:03	20:47	-	-		25	1:09	2:21	18:21	19:32	-
	26	-	0:09	20:41	-	-		26	1:14	2:25	18:17	19:27	-
	27	-	0:14	20:36	-	-		27	1:19	2:29	18:13	19:21	-
	28	-	0:20	20:30	-	-		28	1:24	2:33	18:08	19:16	-
	29	-	0:25	20:25	-	-		29	1:29	2:36	18:04	19:11	-
	30	-	0:30	20:20	-	-		30	1:34	2:40	18:00	19:05	-
	31	-	0:35	20:15	-	-		31	1:38	2:44	17:56	19:00	-
SEP	1	1:43	2:47	17:51	18:55	-	OCT	1	3:38	4:32	15:47	16:41	-
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	3	1:51	2:55	17:43	18:45	-		3	3:45	4:39	15:38	16:33	-
	4	1:56	2:58	17:39	18:40	-		4	3:48	4:43	15:34	16:29	-
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	6	2:04	3:05	17:30	18:31	-		6	3:55	4:50	15:26	16:21	-
	7	2:08	3:09	17:26	18:26	-		7	3:58	4:53	15:22	16:17	-
	8	2:12	3:12	17:22	18:21	-		8	4:02	4:57	15:18	16:13	-
	9	2:16	3:16	17:18	18:17	-		9	4:05	5:01	15:14	16:09	-
	10	2:20	3:19	17:14	18:12	-		10	4:09	5:04	15:09	16:05	-
	11	2:24	3:23	17:09	18:07	-		11	4:12	5:08	15:05	16:01	-
	12	2:28	3:26	17:05	18:03	-		12	4:16	5:11	15:01	15:57	-
	13	2:32	3:30	17:01	17:58	-		13	4:19	5:15	14:57	15:53	-
	14	2:36	3:33	16:57	17:54	-		14	4:22	5:19	14:53	15:49	-
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	18	2:51	3:47	16:40	17:36	-		18	4:36	5:33	14:37	15:34	-
	19	2:55	3:51	16:36	17:32	-		19	4:40	5:37	14:33	15:30	-
	20	2:58	3:54	16:32	17:27	-		20	4:43	5:41	14:28	15:26	-
	21	3:02	3:58	16:28	17:23	-		21	4:46	5:45	14:24	15:23	-
	22	3:06	4:01	16:24	17:19	-		22	4:50	5:49	14:20	15:19	-
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								31	5:21	6:24	13:43	14:46	-
NOV	1	5:24	6:28	13:39	14:43	-	DEC	1	7:00	8:46	11:33	13:18	-
	2	5:28	6:32	13:35	14:40	-		2	7:03	8:51	11:28	13:16	-
	3	5:31	6:36	13:31	14:36	-		3	7:06	8:57	11:23	13:15	-
	4	5:34	6:40	13:27	14:33	-		4	7:08	9:02	11:19	13:13	-
	5	5:38	6:45	13:23	14:29	-		5	7:10	9:08	11:14	13:11	-
	6	5:41	6:49	13:19	14:26	-		6	7:13	9:14	11:09	13:10	-
	7	5:45	6:53	13:14	14:23	-		7	7:15	9:20	11:04	13:09	-
	8	5:48	6:57	13:10	14:19	-		8	7:17	9:26	10:59	13:07	-
	9	5:51	7:02	13:06	14:16	-		9	7:19	9:32	10:53	13:06	-
	10	5:55	7:06	13:02	14:13	-		10	7:21	9:39	10:47	13:05	-
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	14	6:08	7:24	12:45	14:01	-		14	7:28	-	-	13:02	-
	15	6:11	7:28	12:41	13:58	-		15	7:29	-	-	13:02	-
	16	6:15	7:33	12:37	13:55	-		16	7:31	-	-	13:01	-
	17	6:18	7:37	12:33	13:52	-		17	7:32	-	-	13:01	-
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								31	7:34	10:08	10:40	13:13	-

KOKKOLA-PIETARSAARI - EFKK

Month	Day	TWIL	FM	SR	SS	TWIL	TO	Month	Day	TWIL	FM	SR	SS	TWIL	TO
1	2	3	4	5	6	1	2	1	2	3	4	5	6	1	2
JUL	1	-	0:15	20:47	-			AUG	1	0:13	1:38	19:27	20:49		
	2	-	0:16	20:45	-				2	0:19	1:41	19:24	20:44		
	3	-	0:18	20:44	-				3	0:24	1:45	19:20	20:39		
	4	-	0:20	20:42	-				4	0:29	1:48	19:17	20:34		
	5	-	0:22	20:40	-				5	0:34	1:51	19:14	20:29		
	6	-	0:25	20:38	-				6	0:39	1:54	19:11	20:24		
	7	-	0:27	20:36	-				7	0:43	1:57	19:07	20:19		
	8	-	0:29	20:34	-				8	0:48	2:00	19:04	20:14		
	9	-	0:32	20:32	-				9	0:52	2:03	19:01	20:10		
	10	-	0:34	20:30	-				10	0:57	2:06	18:57	20:05		
	11	-	0:37	20:27	-				11	1:01	2:09	18:54	20:01		
	12	-	0:39	20:25	-				12	1:05	2:12	18:51	19:56		
	13	-	0:42	20:22	-				13	1:10	2:15	18:47	19:52		
	14	-	0:45	20:20	-				14	1:14	2:18	18:44	19:47		
	15	-	0:47	20:17	-				15	1:18	2:21	18:40	19:43		
	16	-	0:50	20:15	-				16	1:22	2:24	18:37	19:39		
	17	-	0:53	20:12	-				17	1:25	2:27	18:34	19:34		
	18	-	0:56	20:09	-				18	1:29	2:30	18:30	19:30		
	19	-	0:59	20:06	-				19	1:33	2:33	18:27	19:26		
	20	-	1:02	20:04	-				20	1:37	2:36	18:23	19:22		
	21	-	1:05	20:01	-				21	1:41	2:39	18:20	19:18		
	22	23:03	1:08	19:58	22:05				22	1:44	2:42	18:16	19:14		
	23	23:16	1:11	19:55	21:53				23	1:48	2:45	18:13	19:09		
	24	23:26	1:14	19:52	21:43				24	1:51	2:48	18:09	19:05		
	25	23:34	1:17	19:49	21:34				25	1:55	2:51	18:06	19:01		
	26	23:42	1:20	19:46	21:26				26	1:58	2:54	18:03	18:57		
	27	23:49	1:23	19:43	21:19				27	2:02	2:57	17:59	18:53		
	28	23:56	1:26	19:39	21:13				28	2:05	3:00	17:56	18:49		
	29	-	1:29	19:36	21:07				29	2:09	3:03	17:52	18:45		
	30	0:02	1:32	19:33	21:01				30	2:12	3:05	17:49	18:41		
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SEP	1	2:19	3:11	17:42	18:34			OCT	1	3:49	4:36	15:57	16:43		
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	3	2:25	3:17	17:35	18:26				3	3:55	4:42	15:50	16:36		
	4	2:29	3:20	17:31	18:22				4	3:58	4:44	15:46	16:33		
	5	2:32	3:23	17:28	18:18				5	4:00	4:47	15:43	16:30		
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NOV	1	5:16	6:08	14:13	15:05			DEC	1	6:32	7:40	12:52	14:01		
	2	5:19	6:11	14:10	15:02				2	6:34	7:43	12:51	13:59		
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	28														

11. KUOPIO - EFKU

Month	Day	TWIL FM	SR	SS	TWIL TO	Month	Day	TWIL FM	SR	SS	TWIL TO
1	2	3	4	5	6	1	2	3	4	5	6
JAN	1	6:35	7:44	12:41	13:50	FEB	1	5:47	6:41	14:05	14:59
	2	6:34	7:43	12:43	13:52		2	5:45	6:38	14:08	15:01
	3	6:34	7:42	12:45	13:53		3	5:42	6:35	14:11	15:04
	4	6:33	7:41	12:47	13:55		4	5:40	6:32	14:14	15:07
	5	6:32	7:40	12:49	13:57		5	5:37	6:29	14:17	15:10
	6	6:32	7:39	12:51	13:58		6	5:35	6:26	14:20	15:12
	7	6:31	7:37	12:54	14:00		7	5:32	6:23	14:24	15:15
	8	6:30	7:36	12:56	14:02		8	5:29	6:20	14:27	15:18
	9	6:29	7:34	12:58	14:04		9	5:27	6:17	14:30	15:21
	10	6:28	7:33	13:01	14:06		10	5:24	6:14	14:33	15:23
	11	6:26	7:31	13:03	14:08		11	5:21	6:11	14:36	15:26
	12	6:25	7:29	13:06	14:10		12	5:18	6:08	14:39	15:29
	13	6:24	7:27	13:09	14:12		13	5:16	6:05	14:42	15:32
	14	6:22	7:25	13:11	14:14		14	5:13	6:02	14:45	15:34
	15	6:21	7:23	13:14	14:16		15	5:10	5:59	14:48	15:37
	16	6:19	7:21	13:17	14:19		16	5:07	5:56	14:51	15:40
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MAR	1	4:27	5:14	15:30	16:16	APR	1	2:41	3:29	16:58	17:46
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	10	3:58	4:44	15:56	16:42		10	2:08	2:59	17:23	18:14
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	14	3:45	4:30	16:07	16:53		14	1:53	2:45	17:35	18:27
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	27	2:59	3:46	16:44	17:31		27	1:02	2:02	18:13	19:14
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	30	2:49	3:36	16:52	17:40		30	0:50	1:52	18:22	19:25
	31	2:45	3:32	16:55	17:43						
MAY	1	0:46	1:49	18:25	19:29	JUN	1	-	0:22	19:53	-
	2	0:41	1:46	18:28	19:33		2	-	0:20	19:55	-
	3	0:37	1:43	18:31	19:38		3	-	0:18	19:57	-
	4	0:33	1:40	18:34	19:42		4	-	0:16	19:59	-
	5	0:28	1:36	18:37	19:46		5	-	0:15	20:02	-
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	7	0:20	1:30	18:43	19:55		7	-	0:11	20:05	-
	8	0:15	1:27	18:46	19:59		8	-	0:10	20:07	-
	9	0:10	1:24	18:49	20:04		9	-	0:08	20:09	-
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	11	0:01	1:18	18:55	20:13		11	-	0:06	20:12	-
	12	23:51	1:15	18:58	20:18		12	-	0:05	20:13	-
	13	23:46	1:12	19:01	20:23		13	-	0:04	20:15	-
	14	23:41	1:09	19:04	20:28		14	-	0:03	20:16	-
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	16	23:30	1:03	19:09	20:39		16	-	0:02	20:18	-
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	19	23:12	0:55	19:18	20:58		19	-	0:01	20:20	-
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	24	22:23	0:41	19:32	21:48		24	-	0:02	20:20	-
	25	-	0:39	19:35	-		25	-	0:03	20:20	-
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	27	-	0:34	19:40	-		27	-	0:05	20:18	-
	28	-	0:31	19:43	-		28	-	0:06	20:18	-
	29	-	0:29	19:45	-		29	-	0:07	20:17	-
	30	-	0:27	19:48	-		30	-	0:08	20:16	-
	31	-	0:24	19:50	-						

KUOPIO - EFKU

Month	Day	TWIL FM	SR	SS	TWIL TO	Month	Day	TWIL FM	SR	SS	TWIL TO
1	2	3	4	5	6	1	2	3	4	5	6
JUL	1	-	0:10	20:15	-	AUG	1	0:08	1:26	19:02	20:18
	2	-	0:11	20:13	-		2	0:13	1:29	18:59	20:13
	3	-	0:13	20:12	-		3	0:17	1:32	18:56	20:09
	4	-	0:14	20:11	-		4	0:22	1:35	18:53	20:04
	5	-	0:16	20:09	-		5	0:26	1:38	18:49	20:00
	6	-	0:18	20:07	-		6	0:31	1:41	18:46	19:55
	7	-	0:20	20:06	-		7	0:35	1:44	18:43	19:51
	8	-	0:22	20:04	-		8	0:39	1:47	18:40	19:47
	9	-	0:25	20:02	-		9	0:43	1:50	18:37	19:42
	10	-	0:27	20:00	-		10	0:47	1:53	18:34	19:38
	11	-	0:29	19:58	-		11	0:51	1:55	18:30	19:34
	12	-	0:31	19:56	-		12	0:55	1:58	18:27	19:30
	13	-	0:34	19:53	-		13	0:59	2:01	18:24	19:26
	14	-	0:36	19:51	-		14	1:03	2:04	18:21	19:21
	15	-	0:39	19:49	-		15	1:06	2:07	18:17	19:17
	16	-	0:41	19:46	-		16	1:10	2:10	18:14	19:13
	17	-	0:44	19:44	-		17	1:14	2:13	18:11	19:09
	18	22:39	0:47	19:41	21:52		18	1:17	2:16	18:08	19:05
	19	22:52	0:49	19:39	21:39		19	1:21	2:18	18:04	19:01
	20	23:02	0:52	19:36	21:29		20	1:24	2:21	18:01	18:57
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SEP	1	2:04	2:55	17:21	18:11	OCT	1	3:31	4:17	15:39	16:24
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	12	2:37	3:25	16:43	17:31		12	4:01	4:47	15:02	15:48
	13	2:40	3:28	16:40	17:27		13	4:04	4:50	14:59	15:45
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	24	3:12	3:58	16:03	16:48		24	4:33	5:22	14:23	15:11
	25	3:14	4:00	15:59	16:45		25	4:36	5:25	14:20	15:09
	26	3:17	4:03	15:56	16:41		26	4:39	5:28	14:17	15:06
	27	3:20	4:06	15:52	16:38		27	4:41	5:31	14:14	15:03
	28	3:23	4:08	15:49	16:34		28	4:44	5:34	14:10	15:00
	29	3:25	4:11	15:46	16:31		29	4:47	5:37	14:07	14:57
	30	3:28	4:14	15:42	16:28		30	4:49	5:40	14:04	14:54
							31	4:52	5:43	14:01	14:52
NOV	1	4:55	5:46	13:58	14:49	DEC	1	6:08	7:13	12:42	13:47
	2	4:57	5:49	13:55	14:46		2	6:10	7:15	12:41	13:46
	3	5:00	5:52	13:52	14:44		3	6:12	7:18	12:39	13:45
	4	5:03	5:55	13:49	14:41		4	6:14	7:20	12:38	13:44
	5	5:05	5:58	13:46	14:38		5	6:16	7:22	12:36	13:43
	6	5:08	6:01	13:43	14:36		6	6:17	7:25	12:35	13:42
	7	5:11	6:04	13:40	14:33		7	6:19	7:27	12:34	13:41
	8	5:13	6:07	13:37	14:31		8	6:21	7:29	12:32	13:41
	9	5:16	6:10	13:35	14:28		9	6:22	7:31	12:31	13:40
	10	5:19	6:13	13:32	14:26		10	6:23	7:33	12:31	13:40
	11	5:21	6:16	13:29	14:24		11	6:25	7:34	12:30	13:39
	12	5:24	6:19	13:26	14:21		12	6:26	7:36	12:29	13:39
	13	5:26	6:22	13:23	14:19		13	6:27	7:37	12:28	13:38
	14	5:29	6:25	13:21	14:17		14	6:29	7:39	12:28	13:38
	15	5:31	6:28	13:18	14:15		15	6:30	7:40	12:28	13:38
	16	5:34	6:31	13:15	14:12		16	6:31	7:41	12:27	13:38
	17	5:36	6:34	13:13	14:10		17	6:32	7:43	12:27	13:38
	18	5:39	6:37	13:10	14:08		18	6:32	7:43	12:27	13:38
	19	5:41	6:40	13:08	14:06		19	6:33	7:44	12:27	13:39
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	21	5:46	6:46	13:03	14:03		21	6:34	7:46	12:28	13:40
	22	5:49	6:49	13:01	14:01		22	6:35	7:46	12:29	13:40
	23	5:51	6:51	12:58	13:59		23	6:35	7:47	12:29	13:41
	24	5:53	6:54	12:56	13:57		24	6:36	7:47	12:30	13:41
	25	5:55	6:57	12:54	13:56		25	6:36	7:47	12:31	13:42
	26	5:58	7:00	12:52	13:54		26	6:36	7:47	12:32	13:43
	27	6:00	7:03	12:50	13:53		27	6:36	7:47	12:33	13:44
	28	6:02	7:05	12:48	13:51		28	6:36	7:46	12:35	13:45
	29	6:04	7:08	12:46	13:50		29	6:36	7:46	12:36	13:46
	30	6:06	7:10	12:44	13:48		30	6:36	7:46	12:37	13:47
							31	6:35	7:45	12:39	13:49

12. KUUSAMO - EFKS

Month	Day	TWIL	FM	SR	SS	TWIL	TO	Month	Day	TWIL	FM	SR	SS	TWIL	TO		
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
JAN	1	6:56	8:30	11:43	13:18			FEB	1	5:56	6:59	13:35	14:39				
	2	6:55	8:28	11:46	13:20				2	5:53	6:55	13:39	14:42				
	3	6:54	8:27	11:49	13:21				3	5:50	6:52	13:43	14:45				
	4	6:53	8:25	11:52	13:23				4	5:47	6:48	13:47	14:48				
	5	6:52	8:22	11:55	13:25				5	5:44	6:45	13:51	14:51				
	6	6:51	8:20	11:58	13:27				6	5:41	6:41	13:54	14:54				
	7	6:50	8:18	12:02	13:29				7	5:38	6:37	13:58	14:58				
	8	6:49	8:15	12:05	13:32				8	5:35	6:34	14:02	15:01				
	9	6:47	8:13	12:08	13:34				9	5:32	6:30	14:06	15:04				
	10	6:46	8:10	12:12	13:36				10	5:29	6:26	14:09	15:07				
	11	6:44	8:07	12:16	13:39				11	5:26	6:23	14:13	15:10				
	12	6:43	8:04	12:19	13:41				12	5:22	6:19	14:17	15:14				
	13	6:41	8:01	12:23	13:43				13	5:19	6:15	14:20	15:17				
	14	6:39	7:58	12:27	13:46				14	5:16	6:12	14:24	15:20				
	15	6:37	7:55	12:30	13:49				15	5:13	6:08	14:28	15:23				
	16	6:35	7:52	12:34	13:51				16	5:09	6:04	14:31	15:26				
	17	6:33	7:49	12:38	13:54				17	5:06	6:01	14:35	15:30				
	18	6:31	7:46	12:42	13:57				18	5:03	5:57	14:38	15:33				
	19	6:29	7:43	12:45	14:00				19	4:59	5:53	14:42	15:36				
	20	6:27	7:40	12:49	14:02				20	4:56	5:50	14:45	15:39				
	21	6:24	7:37	12:53	14:05				21	4:52	5:46	14:49	15:42				
	22	6:22	7:33	12:57	14:08				22	4:49	5:42	14:52	15:46				
	23	6:20	7:30	13:01	14:11				23	4:45	5:38	14:56	15:49				
	24	6:17	7:27	13:05	14:14				24	4:42	5:35	14:59	15:52				
	25	6:15	7:23	13:09	14:17				25	4:38	5:31	15:03	15:55				
	26	6:12	7:20	13:12	14:20				26	4:35	5:27	15:06	15:59				
	27	6:10	7:16	13:16	14:23				27	4:31	5:23	15:10	16:02				
	28	6:07	7:13	13:20	14:26				28	4:28	5:20	15:13	16:05				
	29	6:04	7:09	13:24	14:29												
	30	6:01	7:06	13:28	14:32												
	31	5:59	7:02	13:32	14:35												
MAR	1	4:24	5:16	15:16	16:08			APR	1	2:23	3:17	16:59	17:53				
	2	4:20	5:12	15:20	16:12				2	2:19	3:13	17:02	17:57				
	3	4:17	5:08	15:23	16:15				3	2:15	3:09	17:05	18:00				
	4	4:13	5:04	15:27	16:18				4	2:11	3:06	17:08	18:04				
	5	4:10	5:01	15:30	16:21				5	2:06	3:02	17:12	18:08				
	6	4:06	4:57	15:33	16:25				6	2:02	2:58	17:15	18:11				
	7	4:02	4:53	15:37	16:28				7	1:58	2:54	17:18	18:15				
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	9	3:55	4:45	15:43	16:34				9	1:49	2:46	17:25	18:23				
	10	3:51	4:42	15:47	16:38				10	1:45	2:42	17:29	18:27				
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	15	3:32	4:23	16:03	16:54				15	1:22	2:23	17:46	18:47				
	16	3:28	4:19	16:06	16:57				16	1:17	2:19	17:49	18:52				
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	19	3:16	4:07	16:16	17:08				19	1:03	2:07	17:59	19:05				
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	21	3:08	4:00	16:23	17:14				21	0:53	2:00	18:06	19:14				
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	25	2:52	3:44	16:36	17:28				25	0:33	1:44	18:21	19:34				
	26	2:48	3:40	16:39	17:32				26	0:27	1:40	18:24	19:39				
	27	2:44	3:37	16:42	17:35				27	0:22	1:36	18:28	19:44				
	28	2:40	3:33	16:45	17:39				28	0:16	1:32	18:31	19:50				
	29	2:36	3:29	16:49	17:42				29	0:10	1:28	18:35	19:55				
	30	2:32	3:25	16:52	17:46				30	0:04	1:24	18:39	20:01				
	31	2:28	3:21	16:55	17:49												
MAY	1	23:52	1:20	18:43	20:07			JUN	1	-	23:11	20:50	-				
	2	23:45	1:17	18:46	20:13				2	-	23:07	20:55	-				
	3	23:39	1:13	18:50	20:20				3	-	23:02	21:00	-				
	4	23:31	1:09	18:54	20:27				4	-	22:58	21:05	-				
	5	23:24	1:05	18:58	20:35				5	-	22:53	21:10	-				
	6	23:16	1:01	19:01	20:43				6	-	22:48	21:15	-				
	7	23:06	0:57	19:05	20:52				7	-	22:43	21:21	-				
	8	22:56	0:53	19:09	21:02				8	-	22:38	21:26	-				
	9	22:44	0:49	19:13	21:14				9	-	22:32	21:33	-				
	10	22:27	0:45	19:17	21:31				10	-	22:25	21:40	-				
	11	-	0:41	19:21	-				11	-	22:16	21:49	-				
	12	-	0:37	19:25	-				12	-	-	-	-				
	13	-	0:33	19:29	-				13	-	-	-	-				
	14	-	0:29	19:33	-				14	-	-	-	-				
	15	-	0:25	19:37	-				15	-	-	-	-				
	16	-	0:21	19:41	-				16	-	-	-	-				
	17	-	0:17	19:45	-				17	-	-	-	-				
	18	-	0:13	19:49	-				18	-	-	-	-				
	19	-	0:09	19:53	-				19	-	-	-	-				
	20	-	0:05	19:57	-				20	-	-	-	-				
	21	-	0:01	20:02	-				21	-	-	-	-				
	22	-	23:53	20:06	-				22	-	-	-	-				
	23	-	23:49	20:10	-				23	-	-	-	-				

KUUSAMO - EFKS

Month	Day	TWIL	FM	SR	SS	TWIL	TO	Month	Day	TWIL	FM	SR	SS	TWIL	TO		
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
JUL	1	-	22:33	21:42	-			AUG	1	22:42	0:49	19:27	21:38				
	2	-	22:39	21:35	-				2	22:57	0:53	19:23	21:22				
	3	-	22:45	21:30	-				3	23:09	0:56	19:19	21:11				
	4	-	22:51	21:24	-				4	23:19	1:00	19:15	21:01				
	5	-	22:56	21:19	-				5	23:27	1:04	19:11	20:52				
	6	-	23:02	21:15	-				6	23:35	1:08	19:07	20:44				
	7	-	23:07	21:10	-				7	23:42	1:12	19:03	20:36				
	8	-	23:11	21:05	-				8	23:49	1:15	18:59	20:29				
	9	-	23:16	21:01	-				9	23:56	1:19	18:55	20:22				
	10	-	23:21	20:57	-				10	-	1:23	18:51	20:16				
	11	-	23:25	20:52	-				11	0:02	1:26	18:48	20:09				
	12	-	23:30	20:48	-				12	0:08	1:30	18:44	20:03				
	13	-	23:34	20:44	-				13	0:14	1:33	18:40	19:58				
	14	-	23:39	20:40	-				14	0:19	1:37	18:36	19:52				
	15	-	23:43	20:35	-				15	0:24	1:41	18:32	19:46				
	16	-	23:48	20:31	-				16	0:30	1:44	18:28	19:41				
	17	-	23:52	20:27	-				17	0:35	1:48	18:24	19:35				
	18	-	23:56	20:23	-				18	0:40	1:51	18:20	19:30				
	19	-	-	20:19	-				19	0:44	1:55	18:16	19:25				
	20	-	0:00	20:15	-				20	0:49	1:58	18:12	19:20				
	21	-	0:05	20:11	-				21	0:54	2:02	18:08	19:15				
	22	-	0:09	20:07	-				22	0:58	2:05	18:04	19:10				
	23	-	0:13	20:03	-				23	1:03	2:08	18:01	19:05				
	24	-	0:17	19:59	-				24	1:07	2:12	17:57	19:00				
	25	-	0:21	19:55	-				25	1:11	2:15	17:53	18:56				
	26	-	0:25	19:51	-				26	1:16	2:18	17:49	18:51				
	27	-	0:29	19:47	-				27	1:20	2:22	17:45	18:46				
	28	-	0:33	19:43	-				28	1:24	2:25	17:41	18:42				
	29	-	0:37	19:39	-				29	1:28	2:28	17:37	18:37				
	30	-	0:41	19:35	-				30	1:32	2:32	17:33	18:32				
	31	-	0:45	19:31	-				31	1:36	2:35	17:29	18:28				
SEP	1	1:40	2:38	17:26	18:23			OCT	1	3:23	4:14	15:30	16:21				
	2	1:44	2:42	17:22	18:19				2	3:26	4:17	15:26	16:17				
	3	1:47	2:45	17:18	18:15				3	3:29	4:20	15:22	16:13				
	4	1:51	2:48	17:14	18:10				4	3:32	4:23	15:19	16:09				
	5	1:55	2:51	17:10	18:06				5	3:35	4:26	15:15	16:06				
	6	1:58	2:54	17:06	18:02				6	3:39	4:30	15:11	16:02				
	7	2:02	2:58	17:02	17:57				7	3:42	4:33	15:07	15:58				
	8	2:06	3:01	16:58	17:53				8	3:45	4:36	15:03	15:55				
	9	2:09	3:04	16:55	17:49				9	3:48	4:39	15:00	15:51				
	10	2:13	3:07	16:51	17:45				10	3:51	4:43	14:56	15:47				
	11	2:16	3:10	16:47	17:40				11	3:54	4:46	14:52	15:44				
	12	2:20	3:14	16:43	17:36				12	3:57	4:49	14:48	15:40				
	13	2:23	3:17	16:39	17:32				13	4:01	4:53	14:45	15:36				
	14	2:27	3:20	16:35	17:28				14	4:04	4:56	14:41	15:33				
	15	2:30	3:23	16:31	17:24				15	4:07	4:59	14:37	15:29				
	16	2:34	3:26	16:28	17:20				16	4:10	5:03	14:33	15:26				
	17	2:37	3:29	16:24	17:16				17	4:13	5:06	14:29	15:22				
	18	2:40	3:33	16:20	17:12				18	4:16	5:09	14:26	15:19				
	19	2:44	3:36	16:16	17:08				19	4:19	5:13	14:22	15:15				
	20	2:47	3:39	16:12	17:04				20	4:22	5:16	14:18	15:12				
	21	2:50	3:42	16:08	17:00				21	4:26	5:20	14:15	15:08				
	22	2:54	3:45	16:05	16:56				22	4:29	5:23	14:11	15:05				
	23	2:57	3:48	16:01	16:52				23	4:32	5:26	14:07	15:02				
	24	3:00	3:51	15:57	16:48				24	4:35	5:30	14:03	14:58				
	25	3:03	3:55	15:53	16:44				25	4:38	5:33	14:00	14:55				
	26	3:07	3:58	15:49	16:40				26	4:41	5:37	13:56	14:52				
	27	3:10	4:01	15:45	16:36				27	4:44	5:40	13:52	14:48				
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	29	3:16	4:07	15:38	16:28				29	4:51	5:47	13:45	14:42				
	30	3:19	4:10	15:34	16:25				30	4:54	5:51	13:41	14:38				
									31	4:57	5:55	13:38	14:35				
NOV	1	5:00	5:58	13:34	14:32			DEC	1	6:26	7:50	11:54	13:18				
	2	5:03	6:02	13:30	14:29				2	6:28	7:53	11:51	13:16				
	3	5:06	6:06	13:27	14:26				3	6:31	7:57	11:49	13:15				
	4	5:09	6:09	13:23	14:23				4	6:33	8:00	11:46	13:13				
	5	5:12	6:13	13:19	14:20				5	6:35	8:03	11:44	13:12				
	6	5:15	6:17	13:16	14:17				6	6:37	8:07	11:41	13:11				
	7	5:19	6:20	13:12	14:14				7	6:39	8:10	11:39	13:10				
	8	5:22	6:24	13:09	14:11				8	6:41	8:13	11:37	13:09				
	9	5:25	6:28	13:05	14:08				9	6:43	8:16	11:35	13:08				
	10	5:28	6:31	13:02	14:05				10	6:44	8:18	11:33	13:07				
	11	5:31	6:35	12:58	14:02				11	6:46	8:21	11:31	13:07				
	12	5:34	6:39	12:55	14:00				12	6:47	8:24	11:30	13:06				
	13	5:37	6:43	12:51	13:57				13	6:49	8:26	11:28	13:05				
	14	5:40	6:46	12:48	13:54				14	6:50	8:28	11:27	13:05				
	15	5:43	6:50	12:44	13:52				15	6:51	8:30	11:26	13:05				
	16	5:46	6:54	12:41	13:49				16	6:53	8:32	11:26	13:05				
	17	5:49	6:58	12:37	13:47				17	6:54	8:33	11:25	13:05				
	18	5:52	7:02	12:34	13:44				18	6:55	8:35	11:25	13:05				
	19	5:54	7:05	12:31	13:42				19	6:55	8:36	11:24	13:05				
	20	5:57	7:09	12:27	13:39				20	6:56	8:37	11:25	13:05				
	21	6:00	7:13	12:24	13:37				21	6:57	8:38	11:25	13:06				
	22	6:03	7:17	12:21	13:35												

13. LAPPEENRANTA - EFLP

Month	Day	TWIL FM	SR	SS	TWIL TO	Month	Day	TWIL FM	SR	SS	TWIL TO
1	2	3	4	5	6	1	2	3	4	5	6
JAN	1	6:20	7:20	13:03	14:03	FEB	1	5:38	6:27	14:16	15:05
	2	6:19	7:19	13:04	14:04		2	5:35	6:24	14:19	15:08
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	11	6:12	7:10	13:22	14:19		11	5:14	6:01	14:44	15:30
	12	6:11	7:08	13:24	14:21		12	5:12	5:58	14:47	15:33
	13	6:10	7:07	13:26	14:23		13	5:09	5:55	14:49	15:35
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	29	5:44	6:34	14:08	14:58						
	30	5:42	6:32	14:10	15:00						
	31	5:40	6:29	14:13	15:03						
MAR	1	4:25	5:08	15:33	16:16	APR	1	2:47	3:31	16:53	17:38
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	3	4:19	5:02	15:38	16:21		3	2:40	3:25	16:58	17:43
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	12	3:51	4:34	16:02	16:44		12	2:10	2:57	17:21	18:09
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	19	3:29	4:12	16:20	17:03		19	1:46	2:35	17:40	18:30
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	29	2:57	3:40	16:45	17:29		29	1:11	2:05	18:06	19:01
	30	2:53	3:37	16:48	17:32		30	1:07	2:03	18:09	19:05
	31	2:50	3:34	16:50	17:35						
MAY	1	1:03	2:00	18:11	19:08	JUN	1	23:02	0:46	19:26	21:08
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	10	0:31	1:35	18:35	19:39		10	-	0:34	19:40	-
	11	0:28	1:32	18:37	19:43		11	-	0:33	19:42	-
	12	0:24	1:29	18:40	19:47		12	-	0:33	19:43	-
	13	0:20	1:27	18:42	19:50		13	-	0:32	19:44	-
	14	0:17	1:24	18:45	19:54		14	-	0:31	19:45	-
	15	0:13	1:22	18:48	19:58		15	-	0:31	19:45	-
	16	0:09	1:19	18:50	20:01		16	-	0:31	19:46	-
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	26	23:27	0:57	19:14	20:41		26	-	0:33	19:48	-
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	29	23:15	0:51	19:20	20:54		29	-	0:35	19:46	-
	30	23:11	0:49	19:22	20:59		30	-	0:36	19:45	-
	31	23:06	0:47	19:24	21:04						

LAPPEENRANTA - EFLP

Month	Day	TWIL	FM	SR	SS	TWIL	TO	Month	Day	TWIL	FM	SR	SS	TWIL	TO		
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
JUL	1	-	0:37	19:45	-			AUG	1	0:35	1:41	18:45	19:49				
	2	-	0:38	19:44	-				2	0:39	1:43	18:42	19:46				
	3	22:29	0:40	19:43	21:55				3	0:42	1:46	18:39	19:42				
	4	22:38	0:41	19:42	21:46				4	0:46	1:48	18:37	19:38				
	5	22:45	0:43	19:40	21:40				5	0:49	1:51	18:34	19:35				
	6	22:51	0:44	19:39	21:34				6	0:53	1:53	18:31	19:31				
	7	22:56	0:46	19:38	21:29				7	0:56	1:56	18:28	19:27				
	8	23:02	0:47	19:36	21:24				8	0:59	1:59	18:26	19:24				
	9	23:07	0:49	19:35	21:19				9	1:03	2:01	18:23	19:20				
	10	23:12	0:51	19:33	21:15				10	1:06	2:04	18:20	19:17				
	11	23:16	0:53	19:32	21:10				11	1:09	2:06	18:17	19:13				
	12	23:21	0:55	19:30	21:06				12	1:13	2:09	18:14	19:10				
	13	23:25	0:57	19:28	21:02				13	1:16	2:11	18:11	19:06				
	14	23:30	0:59	19:26	20:58				14	1:19	2:14	18:08	19:03				
	15	23:34	1:01	19:25	20:53				15	1:22	2:16	18:05	18:59				
	16	23:38	1:03	19:23	20:49				16	1:25	2:19	18:02	18:56				
	17	23:42	1:05	19:21	20:46				17	1:28	2:22	17:59	18:52				
	18	23:46	1:07	19:18	20:42				18	1:32	2:24	17:57	18:49				
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	23	0:02	1:19	19:07	20:22				23	1:47	2:37	17:41	18:31				
	24	0:06	1:21	19:05	20:19				24	1:50	2:39	17:38	18:28				
	25	0:10	1:23	19:03	20:15				25	1:53	2:42	17:35	18:24				
	26	0:14	1:26	19:00	20:11				26	1:55	2:44	17:32	18:21				
	27	0:17	1:28	18:58	20:08				27	1:58	2:47	17:29	18:17				
	28	0:21	1:31	18:55	20:04				28	2:01	2:49	17:26	18:14				
	29	0:25	1:33	18:53	20:00				29	2:04	2:52	17:23	18:10				
	30	0:28	1:36	18:50	19:56				30	2:07	2:54	17:20	18:07				
	31	0:32	1:38	18:47	19:53				31	2:10	2:57	17:17	18:04				
SEP	1	2:13	2:59	17:14	18:00			OCT	1	3:31	4:14	15:39	16:22				
	2	2:15	3:02	17:10	17:57				2	3:33	4:16	15:36	16:19				
	3	2:18	3:04	17:07	17:53				3	3:36	4:19	15:33	16:16				
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	8	2:32	3:17	16:52	17:36				8	3:48	4:31	15:17	16:00				
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	11	2:40	3:24	16:42	17:26				11	3:56	4:39	15:08	15:51				
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	19	3:01	3:44	16:17	17:00				19	4:15	5:00	14:44	15:28				
	20	3:03	3:46	16:14	16:57				20	4:18	5:02	14:41	15:25				
	21	3:06	3:49	16:11	16:54				21	4:20	5:05	14:38	15:23				
	22	3:08	3:51	16:07	16:50				22	4:23	5:08	14:35	15:20				
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	25	3:16	3:59	15:58	16:41				25	4:30	5:16	14:26	15:12				
	26	3:18	4:01	15:55	16:37				26	4:33	5:18	14:23	15:09				
	27	3:21	4:04	15:52	16:34				27	4:35	5:21	14:21	15:06				
	28	3:23	4:06	15:48	16:31				28	4:38	5:24	14:18	15:04				
	29	3:26	4:09	15:45	16:28				29	4:40	5:26	14:15	15:01				
	30	3:28	4:11	15:42	16:25				30	4:42	5:29	14:12	14:59				
									31	4:45	5:32	14:09	14:56				
NOV	1	4:47	5:34	14:07	14:54			DEC	1	5:54	6:51	13:01	13:58				
	2	4:50	5:37	14:04	14:51				2	5:56	6:54	13:00	13:57				
	3	4:52	5:40	14:01	14:49				3	5:58	6:56	12:58	13:56				
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	5	4:57	5:45	13:56	14:44				5	6:01	7:00	12:56	13:55				
	6	5:00	5:48	13:53	14:42				6	6:02	7:02	12:55	13:54				
	7	5:02	5:51	13:51	14:39				7	6:04	7:03	12:54	13:53				
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	13	5:16	6:07	13:36	14:26				13	6:12	7:13	12:50	13:51				
	14	5:18	6:09	13:33	14:24				14	6:13	7:14	12:50	13:51				
	15	5:21	6:12	13:31	14:22				15	6:14	7:15	12:50	13:51				
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	20	5:32	6:25	13:20	14:13				20	6:18	7:19	12:51	13:52				

14. MARIEHAMN - EFMA

Month	Day	TWIL	FM	SR	SS	TWIL TO	Month	Day	TWIL	FM	SR	SS	TWIL TO
1	2	3	4	5	6		1	2	3	4	5	6	
JAN	1	6:47	7:44	13:45	14:42		FEB	1	6:07	6:55	14:54	15:42	
	2	6:46	7:43	13:46	14:43			2	6:05	6:52	14:57	15:44	
	3	6:46	7:43	13:48	14:44			3	6:03	6:50	14:59	15:46	
	4	6:45	7:42	13:49	14:46			4	6:01	6:47	15:02	15:49	
	5	6:45	7:41	13:51	14:47			5	5:59	6:45	15:05	15:51	
	6	6:44	7:40	13:53	14:49			6	5:56	6:42	15:07	15:54	
	7	6:44	7:39	13:55	14:50			7	5:54	6:40	15:10	15:56	
	8	6:43	7:38	13:57	14:52			8	5:52	6:37	15:13	15:58	
	9	6:42	7:37	13:59	14:54			9	5:49	6:35	15:15	16:01	
	10	6:41	7:36	14:01	14:55			10	5:47	6:32	15:18	16:03	
	11	6:40	7:35	14:03	14:57			11	5:45	6:29	15:21	16:06	
	12	6:39	7:33	14:05	14:59			12	5:42	6:27	15:23	16:08	
	13	6:38	7:32	14:07	15:01			13	5:40	6:24	15:26	16:11	
	14	6:37	7:30	14:09	15:03			14	5:37	6:21	15:29	16:13	
	15	6:36	7:29	14:12	15:05			15	5:35	6:19	15:31	16:15	
	16	6:35	7:27	14:14	15:07			16	5:32	6:16	15:34	16:18	
	17	6:33	7:26	14:16	15:09			17	5:30	6:13	15:37	16:20	
	18	6:32	7:24	14:19	15:11			18	5:27	6:10	15:39	16:23	
	19	6:30	7:22	14:21	15:13			19	5:24	6:08	15:42	16:25	
	20	6:29	7:20	14:23	15:15			20	5:22	6:05	15:44	16:28	
	21	6:27	7:18	14:26	15:17			21	5:19	6:02	15:47	16:30	
	22	6:26	7:16	14:28	15:19			22	5:16	5:59	15:50	16:33	
	23	6:24	7:14	14:31	15:21			23	5:14	5:56	15:52	16:35	
	24	6:22	7:12	14:33	15:23			24	5:11	5:53	15:55	16:37	
	25	6:21	7:10	14:36	15:26			25	5:08	5:51	15:57	16:40	
	26	6:19	7:08	14:38	15:28			26	5:05	5:48	16:00	16:42	
	27	6:17	7:06	14:41	15:30			27	5:03	5:45	16:03	16:45	
	28	6:15	7:04	14:44	15:32			28	5:00	5:42	16:05	16:47	
	29	6:13	7:02	14:46	15:35								
	30	6:11	6:59	14:49	15:37								
	31	6:09	6:57	14:52	15:39								
MAR	1	4:57	5:39	16:08	16:50		APR	1	3:22	4:05	17:25	18:08	
	2	4:54	5:36	16:10	16:52			2	3:19	4:02	17:27	18:10	
	3	4:51	5:33	16:13	16:55			3	3:16	3:59	17:29	18:13	
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	6	4:43	5:24	16:20	17:02			6	3:06	3:50	17:37	18:21	
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	8	4:37	5:18	16:25	17:07			8	3:00	3:44	17:42	18:26	
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	10	4:31	5:12	16:30	17:12			10	2:53	3:38	17:47	18:32	
	11	4:28	5:09	16:33	17:14			11	2:50	3:35	17:49	18:35	
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	22	3:54	4:36	17:00	17:42			22	2:14	3:03	18:17	19:06	
	23	3:51	4:33	17:03	17:45			23	2:11	3:00	18:19	19:09	
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MAY	1	1:44	2:38	18:39	19:33		JUN	1	0:04	1:28	19:49	21:16	
	2	1:41	2:35	18:42	19:36			2	0:01	1:27	19:51	21:19	
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	5	1:31	2:27	18:49	19:46			5	23:49	1:23	19:56	21:28	
	6	1:28	2:24	18:52	19:49			6	23:47	1:22	19:57	21:32	
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	10	1:14	2:14	19:01	20:02			10	23:37	1:18	20:02	21:43	
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	20	0:42	1:51	19:25	20:35			20	23:24	1:15	20:09	22:00	
	21	0:38	1:48	19:27	20:38			21	23:24	1:15	20:10	22:00	
	22	0:35	1:46	19:29	20:42			22	23:25	1:15	20:10	22:00	
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	28	0:16	1:35	19:42	21:02			28	23:35	1:18	20:08	21:53	
	29	0:13	1:33	19:44	21:06			29	23:37	1:19	20:08	21:51	
	30	0:10	1:32	19:46	21:09			30	23:40	1:20	20:07	21:49	
	31	0:07	1:30	19:48	21:12								

15. MIKKELI - EFMI

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JAN	1	6:28	7:30	13:00	14:02	FEB	1	5:44	6:35	14:16	15:07
	2	6:27	7:30	13:01	14:04		2	5:42	6:32	14:19	15:09
	3	6:27	7:29	13:03	14:05		3	5:39	6:29	14:22	15:12
	4	6:26	7:28	13:05	14:07		4	5:37	6:27	14:25	15:14
	5	6:26	7:27	13:07	14:08		5	5:35	6:24	14:27	15:17
	6	6:25	7:26	13:09	14:10		6	5:32	6:21	14:30	15:19
	7	6:24	7:25	13:11	14:11		7	5:30	6:18	14:33	15:22
	8	6:23	7:24	13:13	14:13		8	5:27	6:16	14:36	15:24
	9	6:22	7:22	13:15	14:15		9	5:25	6:13	14:39	15:27
	10	6:21	7:21	13:17	14:17		10	5:22	6:10	14:42	15:30
	11	6:20	7:19	13:19	14:19		11	5:20	6:07	14:45	15:32
	12	6:19	7:18	13:22	14:21		12	5:17	6:04	14:48	15:35
	13	6:18	7:16	13:24	14:23		13	5:14	6:01	14:50	15:38
	14	6:17	7:14	13:27	14:25		14	5:12	5:58	14:53	15:40
	15	6:15	7:13	13:29	14:27		15	5:09	5:56	14:56	15:43
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	29	5:50	6:42	14:07	14:59						
	30	5:48	6:40	14:10	15:02						
	31	5:46	6:37	14:13	15:04						
MAR	1	4:29	5:13	15:35	16:20	APR	1	2:48	3:34	16:58	17:44
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	26	3:09	3:53	16:42	17:27		26	1:20	2:15	18:05	19:01
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	31	2:52	3:37	16:55	17:41						
MAY	1	1:01	2:00	18:19	19:18	JUN	1	22:34	0:42	19:37	21:44
	2	0:58	1:57	18:21	19:21		2	22:18	0:40	19:39	22:00
	3	0:54	1:54	18:24	19:25		3	-	0:39	19:41	-
	4	0:50	1:51	18:27	19:29		4	-	0:37	19:43	-
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	7	0:39	1:42	18:35	19:40		7	-	0:33	19:48	-
	8	0:35	1:39	18:38	19:44		8	-	0:32	19:50	-
	9	0:31	1:37	18:41	19:47		9	-	0:31	19:51	-
	10	0:27	1:34	18:43	19:51		10	-	0:30	19:53	-
	11	0:23	1:31	18:46	19:55		11	-	0:29	19:54	-
	12	0:19	1:28	18:49	19:59		12	-	0:28	19:55	-
	13	0:15	1:26	18:51	20:03		13	-	0:27	19:56	-
	14	0:11	1:23	18:54	20:07		14	-	0:27	19:57	-
	15	0:07	1:20	18:57	20:11		15	-	0:26	19:58	-
	16	0:03	1:18	18:59	20:15		16	-	0:26	19:59	-
	17	23:55	1:15	19:02	20:20		17	-	0:25	19:59	-
	18	23:51	1:13	19:05	20:24		18	-	0:25	20:00	-
	19	23:46	1:10	19:07	20:28		19	-	0:25	20:00	-
	20	23:42	1:08	19:10	20:33		20	-	0:25	20:01	-
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	22	23:33	1:03	19:15	20:42		22	-	0:25	20:01	-
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	24	23:24	0:58	19:20	20:52		24	-	0:26	20:01	-
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	28	23:03	0:50	19:29	21:14		28	-	0:29	19:59	-
	29	22:57	0:48	19:31	21:20		29	-	0:30	19:58	-
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	31	22:43	0:44	19:35	21:35						

MIKKELI - EFMI

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JUL	1	-	0:33	19:57	-	AUG	1	0:31	1:40	18:53	20:01
	2	-	0:34	19:56	-		2	0:35	1:42	18:51	19:57
	3	-	0:35	19:55	-		3	0:38	1:45	18:48	19:53
	4	-	0:37	19:53	-		4	0:42	1:48	18:45	19:49
	5	-	0:38	19:52	-		5	0:46	1:50	18:42	19:46
	6	-	0:40	19:51	-		6	0:50	1:53	18:39	19:42
	7	-	0:42	19:49	-		7	0:53	1:56	18:36	19:38
	8	-	0:43	19:48	-		8	0:57	1:58	18:33	19:34
	9	22:34	0:45	19:46	22:00		9	1:00	2:01	18:31	19:30
	10	22:46	0:47	19:45	21:48		10	1:04	2:04	18:28	19:27
	11	22:54	0:49	19:43	21:40		11	1:07	2:06	18:25	19:23
	12	23:01	0:51	19:41	21:33		12	1:11	2:09	18:22	19:19
	13	23:08	0:53	19:39	21:26		13	1:14	2:12	18:19	19:15
	14	23:14	0:55	19:37	21:21		14	1:17	2:14	18:16	19:12
	15	23:20	0:58	19:35	21:15		15	1:21	2:17	18:13	19:08
	16	23:25	1:00	19:33	21:10		16	1:24	2:20	18:09	19:04
	17	23:30	1:02	19:31	21:05		17	1:27	2:22	18:06	19:01
	18	23:35	1:04	19:29	21:00		18	1:31	2:25	18:03	18:57
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	20	23:45	1:09	19:24	20:51		20	1:37	2:30	17:57	18:50
	21	23:49	1:12	19:22	20:46		21	1:40	2:33	17:54	18:46
	22	23:54	1:14	19:19	20:42		22	1:43	2:35	17:51	18:42
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	28	0:15	1:29	19:04	20:17		28	2:02	2:51	17:32	18:21
	29	0:19	1:32	19:02	20:13		29	2:05	2:54	17:29	18:17
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	31	0:27	1:37	18:56	20:05		31	2:10	2:59	17:22	18:10
SEP	1	2:13	3:01	17:19	18:07	OCT	1	3:34	4:18	15:42	16:26
	2	2:16	3:04	17:16	18:03		2	3:37	4:20	15:39	16:23
	3	2:19	3:07	17:13	18:00		3	3:39	4:23	15:36	16:20
	4	2:22	3:09	17:10	17:56		4	3:42	4:26	15:33	16:16
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	10	2:39	3:24	16:50	17:36		10	3:57	4:41	15:14	15:58
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	14	2:50	3:35	16:37	17:22		14	4:07	4:52	15:01	15:46
	15	2:52	3:37	16:34	17:19		15	4:10	4:55	14:58	15:43
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	19	3:03	3:47	16:21	17:05		19	4:20	5:05	14:46	15:31
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	22	3:11	3:55	16:11	16:55		22	4:28	5:14	14:37	15:22
	23	3:13	3:57	16:08	16:52		23	4:30	5:16	14:34	15:20
	24	3:16	4:00	16:05	16:49		24	4:33	5:19	14:31	15:17
	25	3:19	4:03	16:02	16:45		25	4:35	5:22	14:28	15:14
	26	3:21	4:05	15:58	16:42		26	4:38	5:24	14:25	15:11
	27	3:24	4:08	15:55	16:39		27	4:40	5:27	14:22	15:09
	28	3:26	4:10	15:52	16:36		28	4:43	5:30	14:19	15:06
	29	3:29	4:13	15:49	16:32		29	4:45	5:33	14:16	15:03
	30	3:32	4:15	15:46	16:29		30	4:48	5:36	14:13	15:01
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	14	5:25	6:18	13:33	14:25		14	6:21	7:25	12:47	13:51
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	17	5:32	6:26	13:26	14:19		17	6:24	7:28	12:47	13:51
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	28	5:56	6:54	13:03	14:02		28	6:28	7:32	12:54	13:57
	29	5:58	6:57	13:02	14:01		29	6:28	7:32	12:55	13:58
	30	6:00	6:59	13:00	13:59		30	6:28	7:32	12:56	14:00
							31	6:28	7:31	12:58	14:01

16. OULU - EFOU

Month	Day	TWIL FM	SR	SS	TWIL TO	Month	Day	TWIL FM	SR	SS	TWIL TO		
1	2	3	4	5	6	1	2	3	4	5	6		
JAN	1	7:01	8:24	12:21	13:44	FEB	1	6:06	7:05	14:00	15:00		
	2	7:00	8:22	12:23	13:45		2	6:03	7:02	14:04	15:03		
	3	6:59	8:21	12:26	13:47		3	6:00	6:59	14:07	15:06		
	4	6:59	8:19	12:28	13:49		4	5:58	6:55	14:11	15:09		
	5	6:58	8:18	12:31	13:51		5	5:55	6:52	14:14	15:12		
	6	6:57	8:16	12:34	13:53		6	5:52	6:49	14:18	15:15		
	7	6:56	8:14	12:36	13:55		7	5:49	6:45	14:21	15:18		
	8	6:55	8:12	12:39	13:57		8	5:46	6:42	14:25	15:21		
	9	6:53	8:10	12:42	13:59		9	5:43	6:38	14:28	15:24		
	10	6:52	8:08	12:45	14:01		10	5:40	6:35	14:32	15:27		
	11	6:50	8:05	12:48	14:03		11	5:37	6:32	14:35	15:30		
	12	6:49	8:03	12:51	14:05		12	5:34	6:28	14:39	15:33		
	13	6:47	8:01	12:55	14:08		13	5:31	6:25	14:42	15:36		
	14	6:46	7:58	12:58	14:10		14	5:28	6:21	14:45	15:39		
	15	6:44	7:56	13:01	14:13		15	5:25	6:18	14:49	15:42		
	16	6:42	7:53	13:05	14:15		16	5:22	6:14	14:52	15:45		
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	23	6:28	7:33	13:29	14:34		23	4:59	5:50	15:15	16:06		
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	25	6:23	7:27	13:36	14:39		25	4:52	5:43	15:22	16:12		
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	28	6:16	7:18	13:46	14:48		28	4:42	5:32	15:32	16:22		
	29	6:14	7:15	13:50	14:51								
	30	6:11	7:11	13:53	14:54								
	31	6:08	7:08	13:57	14:57								
MAR	1	4:39	5:28	15:35	16:25	APR	1	2:44	3:35	17:12	18:03		
	2	4:35	5:25	15:38	16:28		2	2:40	3:31	17:15	18:07		
	3	4:32	5:21	15:41	16:31		3	2:36	3:28	17:18	18:10		
	4	4:28	5:17	15:45	16:34		4	2:32	3:24	17:21	18:14		
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	7	4:18	5:07	15:54	16:43		7	2:19	3:13	17:30	18:24		
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	10	4:07	4:56	16:03	16:52		10	2:07	3:02	17:40	18:35		
	11	4:03	4:52	16:07	16:56		11	2:03	2:58	17:43	18:39		
	12	4:00	4:48	16:10	16:59		12	1:59	2:54	17:46	18:43		
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	31	2:48	3:39	17:09	18:00								
MAY	1	0:31	1:45	18:49	20:05	JUN	1	-	23:55	20:37	-		
	2	0:26	1:41	18:52	20:10		2	-	23:52	20:40	-		
	3	0:20	1:38	18:56	20:15		3	-	23:50	20:44	-		
	4	0:15	1:34	18:59	20:21		4	-	23:47	20:47	-		
	5	0:09	1:30	19:03	20:26		5	-	23:44	20:50	-		
	6	0:03	1:27	19:06	20:32		6	-	23:42	20:53	-		
	7	23:51	1:23	19:10	20:39		7	-	23:39	20:56	-		
	8	23:44	1:20	19:13	20:45		8	-	23:37	20:58	-		
	9	23:37	1:16	19:17	20:52		9	-	23:34	21:01	-		
	10	23:29	1:12	19:20	21:00		10	-	23:32	21:04	-		
	11	23:21	1:09	19:24	21:08		11	-	23:30	21:06	-		
	12	23:12	1:05	19:27	21:17		12	-	23:29	21:08	-		
	13	23:01	1:02	19:31	21:28		13	-	23:27	21:10	-		
	14	22:47	0:58	19:34	21:42		14	-	23:26	21:12	-		
	15	22:18	0:55	19:38	22:11		15	-	23:24	21:14	-		
	16	-	0:51	19:41	-		16	-	23:23	21:15	-		
	17	-	0:48	19:45	-		17	-	23:23	21:16	-		
	18	-	0:44	19:48	-		18	-	23:22	21:17	-		
	19	-	0:41	19:52	-		19	-	23:22	21:18	-		
	20	-	0:37	19:56	-		20	-	23:22	21:19	-		
	21	-	0:34	19:59	-		21	-	23:22	21:19	-		
	22	-	0:31	20:03	-		22	-	23:23	21:19	-		
	23	-	0:27	20:06	-		23	-	23:24	21:18	-		
	24	-	0:24	20:10	-		24	-	23:25	21:18	-		
	25	-	0:21	20:13	-		25	-	23:26	21:17	-		
	26	-	0:17	20:17	-		26	-	23:27	21:16	-		
	27	-	0:14	20:20	-		27	-	23:29	21:14	-		
	28	-	0:11	20:24	-		28	-	23:31	21:13	-		
	29	-	0:08	20:27	-		29	-	23:33	21:11	-		
	30	-	0:04	20:30	-		30	-	23:36	21:09	-		
	31	-	0:01	20:34	-								

OULU - EFOU

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JUL	1	-	23:38	21:07	-	AUG	1	23:42	1:17	19:30	21:09
	2	-	23:41	21:05	-		2	23:49	1:20	19:27	21:01
	3	-	23:43	21:03	-		3	23:56	1:24	19:23	20:54
	4	-	23:46	21:00	-		4	-	1:27	19:19	20:48
	5	-	23:49	20:58	-		5	0:02	1:31	19:16	20:42
	6	-	23:52	20:55	-		6	0:08	1:34	19:12	20:35
	7	-	23:55	20:53	-		7	0:14	1:38	19:09	20:30
	8	-	23:58	20:50	-		8	0:20	1:41	19:05	20:24
	9	-	-	20:47	-		9	0:25	1:44	19:01	20:18
	10	-	0:01	20:44	-		10	0:30	1:48	18:58	20:13
	11	-	0:05	20:41	-		11	0:36	1:51	18:54	20:08
	12	-	0:08	20:38	-		12	0:40	1:54	18:50	20:03
	13	-	0:11	20:35	-		13	0:45	1:58	18:47	19:58
	14	-	0:15	20:32	-		14	0:50	2:01	18:43	19:53
	15	-	0:18	20:28	-		15	0:55	2:04	18:39	19:48
	16	-	0:21	20:25	-		16	0:59	2:07	18:36	19:43
	17	-	0:25	20:22	-		17	1:04	2:11	18:32	19:38
	18	-	0:28	20:19	-		18	1:08	2:14	18:29	19:33
	19	-	0:32	20:15	-		19	1:12	2:17	18:25	19:29
	20	-	0:35	20:12	-		20	1:16	2:20	18:21	19:24
	21	-	0:39	20:09	-		21	1:21	2:24	18:18	19:20
	22	-	0:42	20:05	-		22	1:25	2:27	18:14	19:15
	23	-	0:46	20:02	-		23	1:29	2:30	18:10	19:11
	24	-	0:49	19:58	-		24	1:33	2:33	18:06	19:06
	25	-	0:53	19:55	-		25	1:36	2:36	18:03	19:02
	26	-	0:56	19:51	-		26	1:40	2:39	17:59	18:57
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SEP	1	2:02	2:58	17:37	18:32	OCT	1	3:39	4:28	15:47	16:35
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	15	2:50	3:40	16:45	17:36		15	4:21	5:11	14:56	15:46
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							31	5:08	6:03	14:00	14:55
NOV	1	5:11	6:07	13:57	14:52	DEC	1	6:32	7:48	12:27	13:42
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	20	6:05	7:12	12:56	14:02		20	7:01	8:27	12:05	13:32
	21	6:08	7:15	12:53	14:00		21	7:01	8:28	12:06	13:32
	22	6:11	7:19	12:50	13:58		22	7:02	8:28	12:06	13:33
	23	6:13	7:22	12:47	13:56		23	7:02	8:28	12:07	13:33
	24	6:16	7:25	12:44	13:54		24	7:02	8:29	12:08	13:34
	25	6:18	7:29	12:42	13:52		25	7:02	8:29	12:09	13:35
	26	6:21	7:32	12:39	13:50		26	7:03	8:28	12:10	13:36
	27	6:23	7:35	12:37	13:49		27	7:03	8:28	12:11	13:37
	28	6:26	7:38	12:34	13:47		28	7:02	8:27	12:13	13:38
	29	6:28	7:42	12:32	13:45		29	7:02	8:27	12:15	13:39
	30	6:30	7:45	12:29	13:44		30	7:02	8:26	12:17	13:41
							31	7:01	8:25	12:19	13:42

17. PORI - EFPO

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JAN	1	6:48	7:50	13:24	14:25	FEB	1	6:05	6:55	14:39	15:29
	2	6:47	7:49	13:25	14:27		2	6:02	6:52	14:42	15:32
	3	6:47	7:48	13:27	14:28		3	6:00	6:50	14:45	15:34
	4	6:46	7:47	13:29	14:30		4	5:58	6:47	14:47	15:37
	5	6:46	7:46	13:31	14:31		5	5:55	6:44	14:50	15:39
	6	6:45	7:45	13:33	14:33		6	5:53	6:42	14:53	15:42
	7	6:44	7:44	13:35	14:35		7	5:51	6:39	14:56	15:44
	8	6:43	7:43	13:37	14:36		8	5:48	6:36	14:59	15:47
	9	6:42	7:42	13:39	14:38		9	5:46	6:33	15:02	15:49
	10	6:41	7:40	13:41	14:40		10	5:43	6:31	15:05	15:52
	11	6:40	7:39	13:43	14:42		11	5:41	6:28	15:07	15:55
	12	6:39	7:37	13:46	14:44		12	5:38	6:25	15:10	15:57
	13	6:38	7:36	13:48	14:46		13	5:35	6:22	15:13	16:00
	14	6:37	7:34	13:50	14:48		14	5:33	6:19	15:16	16:02
	15	6:35	7:32	13:53	14:50		15	5:30	6:16	15:19	16:05
	16	6:34	7:31	13:55	14:52		16	5:27	6:13	15:21	16:07
	17	6:33	7:29	13:58	14:54		17	5:25	6:10	15:24	16:10
	18	6:31	7:27	14:00	14:56		18	5:22	6:07	15:27	16:13
	19	6:30	7:25	14:03	14:58		19	5:19	6:04	15:30	16:15
	20	6:28	7:23	14:06	15:01		20	5:16	6:01	15:33	16:18
	21	6:26	7:21	14:08	15:03		21	5:14	5:58	15:35	16:20
	22	6:25	7:19	14:11	15:05		22	5:11	5:55	15:38	16:23
	23	6:23	7:16	14:14	15:07		23	5:08	5:52	15:41	16:26
	24	6:21	7:14	14:16	15:10		24	5:05	5:49	15:44	16:28
	25	6:19	7:12	14:19	15:12		25	5:02	5:46	15:46	16:31
	26	6:17	7:10	14:22	15:14		26	4:59	5:43	15:49	16:33
	27	6:15	7:07	14:25	15:17		27	4:56	5:40	15:52	16:36
	28	6:13	7:05	14:28	15:19		28	4:53	5:37	15:55	16:39
	29	6:11	7:02	14:30	15:22						
	30	6:09	7:00	14:33	15:24						
	31	6:07	6:57	14:36	15:27						
MAR	1	4:50	5:34	15:57	16:41	APR	1	3:11	3:56	17:19	18:04
	2	4:47	5:31	16:00	16:44		2	3:07	3:53	17:22	18:07
	3	4:44	5:28	16:03	16:47		3	3:04	3:49	17:24	18:10
	4	4:41	5:25	16:05	16:49		4	3:01	3:46	17:27	18:13
	5	4:38	5:22	16:08	16:52		5	2:57	3:43	17:30	18:16
	6	4:35	5:19	16:11	16:54		6	2:54	3:40	17:32	18:19
	7	4:32	5:15	16:14	16:57		7	2:50	3:37	17:35	18:22
	8	4:29	5:12	16:16	17:00		8	2:47	3:33	17:38	18:25
	9	4:26	5:09	16:19	17:02		9	2:43	3:30	17:40	18:27
	10	4:23	5:06	16:22	17:05		10	2:40	3:27	17:43	18:30
	11	4:20	5:03	16:24	17:08		11	2:36	3:24	17:45	18:33
	12	4:16	5:00	16:27	17:10		12	2:33	3:21	17:48	18:36
	13	4:13	4:56	16:29	17:13		13	2:29	3:18	17:51	18:39
	14	4:10	4:53	16:32	17:15		14	2:26	3:14	17:53	18:42
	15	4:07	4:50	16:35	17:18		15	2:22	3:11	17:56	18:45
	16	4:04	4:47	16:37	17:21		16	2:19	3:08	17:59	18:48
	17	4:00	4:44	16:40	17:23		17	2:15	3:05	18:01	18:52
	18	3:57	4:41	16:43	17:26		18	2:12	3:02	18:04	18:55
	19	3:54	4:37	16:45	17:29		19	2:08	2:59	18:07	18:58
	20	3:51	4:34	16:48	17:32		20	2:05	2:56	18:09	19:01
	21	3:47	4:31	16:50	17:34		21	2:01	2:53	18:12	19:04
	22	3:44	4:28	16:53	17:37		22	1:58	2:50	18:15	19:07
	23	3:41	4:25	16:56	17:40		23	1:54	2:47	18:17	19:11
	24	3:38	4:21	16:58	17:42		24	1:50	2:44	18:20	19:14
	25	3:34	4:18	17:01	17:45		25	1:47	2:41	18:23	19:17
	26	3:31	4:15	17:03	17:48		26	1:43	2:37	18:26	19:20
	27	3:28	4:12	17:06	17:51		27	1:40	2:34	18:28	19:24
	28	3:24	4:09	17:09	17:53		28	1:36	2:32	18:31	19:27
	29	3:21	4:05	17:11	17:56		29	1:32	2:29	18:34	19:31
	30	3:17	4:02	17:14	17:59		30	1:29	2:26	18:36	19:34
	31	3:14	3:59	17:17	18:02						
MAY	1	1:25	2:23	18:39	19:37	JUN	1	23:10	1:06	19:56	21:51
	2	1:21	2:20	18:42	19:41		2	23:02	1:05	19:58	21:59
	3	1:18	2:17	18:44	19:44		3	22:54	1:03	20:00	22:08
	4	1:14	2:14	18:47	19:48		4	22:38	1:02	20:02	22:25
	5	1:10	2:11	18:50	19:51		5	-	1:00	20:04	-
	6	1:07	2:08	18:53	19:55		6	-	0:59	20:05	-
	7	1:03	2:05	18:55	19:59		7	-	0:58	20:07	-
	8	0:59	2:03	18:58	20:02		8	-	0:56	20:08	-
	9	0:55	2:00	19:01	20:06		9	-	0:55	20:10	-
	10	0:51	1:57	19:03	20:10		10	-	0:54	20:11	-
	11	0:48	1:54	19:06	20:14		11	-	0:53	20:12	-
	12	0:44	1:52	19:09	20:18		12	-	0:53	20:13	-
	13	0:40	1:49	19:11	20:21		13	-	0:52	20:15	-
	14	0:36	1:46	19:14	20:25		14	-	0:51	20:15	-
	15	0:32	1:44	19:16	20:29		15	-	0:51	20:16	-
	16	0:28	1:41	19:19	20:33		16	-	0:50	20:17	-
	17	0:24	1:39	19:22	20:37		17	-	0:50	20:18	-
	18	0:20	1:36	19:24	20:42		18	-	0:50	20:18	-
	19	0:16	1:34	19:27	20:46		19	-	0:50	20:19	-
	20	0:12	1:31	19:29	20:50		20	-	0:50	20:19	-
	21	0:08	1:29	19:32	20:54		21	-	0:50	20:19	-
	22	0:04	1:27	19:34	20:59		22	-	0:50	20:19	-
	23	23:55	1:24	19:36	21:03		23	-	0:51	20:19	-
	24	23:51	1:22	19:39	21:08		24	-	0:51	20:19	-
	25	23:46	1:20	19:41	21:13		25	-	0:52	20:19	-
	26	23:42	1:18	19:44	21:17		26	-	0:52	20:19	-
	27	23:37	1:16	19:46	21:22		27	-	0:53	20:18	-
	28	23:32	1:14	19:48	21:28		28	-	0:54	20:18	-
	29	23:27	1:12	19:50	21:33		29	-	0:55	20:17	-
	30	23:22	1:10	19:52	21:39		30	-	0:56	20:16	-
	31	23:16	1:08	19:54	21:45						

PORI - EFPO

Month	Day	TWIL FM	SR	SS	TWIL TO	Month	Day	TWIL FM	SR	SS	TWIL TO
1	2	3	4	5	6	1	2	3	4	5	6
JUL	1	-	0:57	20:15	-	AUG	1	0:56	2:03	19:13	20:20
	2	-	0:58	20:14	-		2	0:59	2:06	19:11	20:16
	3	-	1:00	20:13	-		3	1:03	2:08	19:08	20:12
	4	-	1:01	20:12	-		4	1:07	2:11	19:05	20:08
	5	-	1:03	20:11	-		5	1:10	2:13	19:02	20:05
	6	-	1:04	20:10	-		6	1:14	2:16	18:59	20:01
	7	22:53	1:06	20:08	22:23		7	1:17	2:19	18:56	19:57
	8	23:05	1:08	20:07	22:11		8	1:21	2:21	18:54	19:53
	9	23:13	1:10	20:05	22:03		9	1:24	2:24	18:51	19:50
	10	23:20	1:11	20:03	21:57		10	1:28	2:27	18:48	19:46
	11	23:27	1:13	20:02	21:51		11	1:31	2:29	18:45	19:42
	12	23:33	1:15	20:00	21:45		12	1:34	2:32	18:42	19:39
	13	23:38	1:17	19:58	21:40		13	1:38	2:35	18:39	19:35
	14	23:43	1:20	19:56	21:35		14	1:41	2:37	18:36	19:31
	15	23:48	1:22	19:54	21:30		15	1:44	2:40	18:33	19:28
	16	23:53	1:24	19:52	21:25		16	1:48	2:42	18:30	19:24
	17	23:58	1:26	19:50	21:21		17	1:51	2:45	18:27	19:20
	18	-	1:28	19:48	21:16		18	1:54	2:48	18:24	19:17
	19	0:03	1:31	19:46	21:12		19	1:57	2:50	18:21	19:13
	20	0:07	1:33	19:44	21:08		20	2:00	2:53	18:18	19:10
	21	0:11	1:35	19:41	21:03		21	2:03	2:55	18:15	19:06
	22	0:16	1:38	19:39	20:59		22	2:06	2:58	18:12	19:03
	23	0:20	1:40	19:36	20:55		23	2:09	3:01	18:08	18:59
	24	0:24	1:43	19:34	20:51		24	2:13	3:03	18:05	18:55
	25	0:28	1:45	19:32	20:47		25	2:16	3:06	18:02	18:52
	26	0:32	1:48	19:29	20:43		26	2:19	3:08	17:59	18:48
	27	0:36	1:50	19:27	20:39		27	2:21	3:11	17:56	18:45
	28	0:40	1:53	19:24	20:35		28	2:24	3:13	17:53	18:41
	29	0:44	1:55	19:21	20:31		29	2:27	3:16	17:50	18:38
	30	0:48	1:58	19:19	20:27		30	2:30	3:19	17:46	18:34
	31	0:52	2:00	19:16	20:23		31	2:33	3:21	17:43	18:31
SEP	1	2:36	3:24	17:40	18:27	OCT	1	3:56	4:39	16:04	16:47
	2	2:39	3:26	17:37	18:24		2	3:59	4:42	16:01	16:44
	3	2:42	3:29	17:34	18:20		3	4:01	4:44	15:58	16:41
	4	2:45	3:31	17:31	18:17		4	4:04	4:47	15:55	16:38
	5	2:47	3:34	17:27	18:14		5	4:06	4:50	15:51	16:35
	6	2:50	3:36	17:24	18:10		6	4:09	4:52	15:48	16:32
	7	2:53	3:39	17:21	18:07		7	4:11	4:55	15:45	16:29
	8	2:56	3:41	17:18	18:03		8	4:14	4:57	15:42	16:25
	9	2:58	3:44	17:15	18:00		9	4:16	5:00	15:39	16:22
	10	3:01	3:46	17:11	17:56		10	4:19	5:03	15:36	16:19
	11	3:04	3:49	17:08	17:53		11	4:21	5:05	15:33	16:16
	12	3:07	3:52	17:05	17:50		12	4:24	5:08	15:29	16:13
	13	3:09	3:54	17:02	17:46		13	4:26	5:10	15:26	16:10
	14	3:12	3:57	16:59	17:43		14	4:29	5:13	15:23	16:07
	15	3:15	3:59	16:55	17:40		15	4:31	5:16	15:20	16:04
	16	3:17	4:02	16:52	17:36		16	4:34	5:18	15:17	16:02
	17	3:20	4:04	16:49	17:33		17	4:36	5:21	15:14	15:59
	18	3:22	4:07	16:46	17:30		18	4:39	5:24	15:11	15:56
	19	3:25	4:09	16:42	17:26		19	4:41	5:26	15:08	15:53
	20	3:28	4:12	16:39	17:23		20	4:44	5:29	15:05	15:50
	21	3:30	4:14	16:36	17:20		21	4:46	5:32	15:02	15:47
	22	3:33	4:17	16:33	17:16		22	4:49	5:34	14:59	15:44
	23	3:36	4:19	16:30	17:13		23	4:51	5:37	14:56	15:42
	24	3:38	4:22	16:26	17:10		24	4:54	5:40	14:53	15:39
	25	3:41	4:24	16:23	17:07		25	4:57	5:43	14:50	15:36
	26	3:43	4:27	16:20	17:03		26	4:59	5:45	14:47	15:33
	27	3:46	4:29	16:17	17:00		27	5:02	5:48	14:44	15:31
	28	3:48	4:32	16:14	16:57		28	5:04	5:51	14:41	15:28
	29	3:51	4:34	16:10	16:54		29	5:07	5:53	14:39	15:25
	30	3:53	4:37	16:07	16:50		30	5:09	5:56	14:36	15:23
							31	5:12	5:59	14:33	15:20
NOV	1	5:14	6:02	14:30	15:18	DEC	1	6:22	7:21	13:22	14:21
	2	5:17	6:05	14:27	15:15		2	6:24	7:23	13:21	14:20
	3	5:19	6:07	14:24	15:13		3	6:26	7:25	13:20	14:19
	4	5:21	6:10	14:22	15:10		4	6:27	7:27	13:19	14:18
	5	5:24	6:13	14:19	15:08		5	6:29	7:29	13:17	14:18
	6	5:26	6:16	14:16	15:06		6	6:31	7:31	13:16	14:17
	7	5:29	6:18	14:14	15:03		7	6:32	7:33	13:15	14:16
	8	5:31	6:21	14:11	15:01		8	6:34	7:35	13:14	14:16
	9	5:34	6:24	14:08	14:59		9	6:35	7:37	13:14	14:15
	10	5:36	6:27	14:06	14:56		10	6:36	7:38	13:13	14:15
	11	5:39	6:29	14:03	14:54		11	6:38	7:40	13:12	14:14
	12	5:41	6:32	14:01	14:52		12	6:39	7:41	13:12	14:14
	13	5:43	6:35	13:58	14:50		13	6:40	7:43	13:11	14:14
	14	5:46	6:38	13:56	14:48		14	6:41	7:44	13:11	14:14
	15	5:48	6:40	13:54	14:46		15	6:42	7:45	13:11	14:14
	16	5:50	6:43	13:51	14:44		16	6:43	7:46	13:11	14:14
	17	5:53	6:46	13:49	14:42		17	6:44	7:47	13:11	14:14
	18	5:55	6:49	13:47	14:40		18	6:45	7:48	13:11	14:14
	19	5:57	6:51	13:45	14:38		19	6:45	7:49	13:11	14:14
	20	6:00	6:54	13:42	14:37		20	6:46	7:50	13:11	14:15
	21	6:02	6:56	13:40	14:35		21	6:47	7:50	13:12	14:15
	22	6:04	6:59	13:38	14:33		22	6:47	7:51	13:12	14:16
	23	6:06	7:02	13:36	14:32		23	6:48	7:51	13:13	14:16
	24	6:08	7:04	13:34	14:30		24	6:48	7:51	13:14	14:17
	25	6:10	7:07	13:32	14:29		25	6:48	7:51	13:15	14:18
	26	6:12	7:09	13:31	14:27		26	6:48	7:51	13:15	14:19
	27	6:14	7:12	13:29	14:26		27	6:48	7:51	13:17	14:20
	28	6:16	7:14	13:27	14:25		28	6:48	7:51	13:18	14:20
	29	6:18	7:16	13:26	14:23		29	6:48	7:51	13:19	14:22
	30	6:20	7:19	13:24	14:22		30	6:48	7:51	13:20	14:23
							31	6:48	7:50	13:22	14:24

18. ROVANIEMI - EFRO

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JAN	1	7:16	8:59	11:42	13:25	FEB	1	6:13	7:18	13:44	14:49
	2	7:15	8:57	11:45	13:27		2	6:10	7:14	13:48	14:52
	3	7:14	8:55	11:48	13:29		3	6:07	7:10	13:52	14:55
	4	7:13	8:52	11:52	13:31		4	6:04	7:07	13:56	14:59
	5	7:12	8:49	11:55	13:33		5	6:01	7:03	13:59	15:02
	6	7:11	8:47	11:59	13:35		6	5:57	6:59	14:03	15:05
	7	7:09	8:44	12:03	13:37		7	5:54	6:55	14:07	15:09
	8	7:08	8:41	12:06	13:40		8	5:51	6:52	14:11	15:12
	9	7:06	8:38	12:10	13:42		9	5:48	6:48	14:15	15:15
	10	7:05	8:35	12:14	13:44		10	5:45	6:44	14:19	15:18
	11	7:03	8:32	12:18	13:47		11	5:41	6:40	14:23	15:22
	12	7:01	8:28	12:22	13:49		12	5:38	6:36	14:27	15:25
	13	7:00	8:25	12:26	13:52		13	5:35	6:33	14:30	15:28
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	21	6:42	7:58	12:59	14:15		21	5:07	6:02	15:00	15:55
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	25	6:32	7:44	13:15	14:27		25	4:53	5:47	15:14	16:08
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	27	6:27	7:36	13:23	14:33		27	4:46	5:39	15:21	16:15
	28	6:24	7:33	13:28	14:36		28	4:42	5:35	15:25	16:18
	29	6:21	7:29	13:32	14:39						
	30	6:18	7:25	13:36	14:43						
	31	6:16	7:22	13:40	14:46						
MAR	1	4:38	5:31	15:28	16:21	APR	1	2:34	3:29	17:14	18:09
	2	4:34	5:27	15:32	16:25		2	2:30	3:25	17:17	18:13
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	5	4:23	5:16	15:42	16:35		5	2:17	3:14	17:27	18:25
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	10	4:04	4:56	15:59	16:52		10	1:54	2:54	17:45	18:45
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	12	3:56	4:48	16:06	16:58		12	1:45	2:46	17:52	18:53
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	30	2:43	3:37	17:07	18:02		30	0:08	1:33	18:58	20:26
	31	2:39	3:33	17:10	18:06						
MAY	1	0:01	1:29	19:02	20:33	JUN	1	-	23:01	21:28	-
	2	23:46	1:25	19:06	20:40		2	-	22:54	21:35	-
	3	23:38	1:21	19:09	20:48		3	-	22:46	21:44	-
	4	23:30	1:16	19:13	20:56		4	-	22:34	21:55	-
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	7	22:56	1:04	19:26	21:30		7	-	-	-	-
	8	22:36	1:00	19:30	21:49		8	-	-	-	-
	9	-	0:56	19:34	-		9	-	-	-	-
	10	-	0:51	19:38	-		10	-	-	-	-
	11	-	0:47	19:42	-		11	-	-	-	-
	12	-	0:43	19:46	-		12	-	-	-	-
	13	-	0:39	19:51	-		13	-	-	-	-
	14	-	0:34	19:55	-		14	-	-	-	-
	15	-	0:30	19:59	-		15	-	-	-	-
	16	-	0:26	20:04	-		16	-	-	-	-
	17	-	0:21	20:08	-		17	-	-	-	-
	18	-	0:17	20:13	-		18	-	-	-	-
	19	-	0:13	20:18	-		19	-	-	-	-
	20	-	0:08	20:22	-		20	-	-	-	-
	21	-	0:04	20:27	-		21	-	-	-	-
	22	-	23:59	-	-		22	-	-	-	-
	23	-	23:54	20:32	-		23	-	-	-	-
	24	-	23:50	20:37	-		24	-	-	-	-
	25	-	23:45	20:42	-		25	-	-	-	-
	26	-	23:40	20:47	-		26	-	-	-	-
	27	-	23:35	20:52	-		27	-	-	-	-
	28	-	23:30	20:57	-		28	-	-	-	-
	29	-	23:25	21:03	-		29	-	-	-	-
	30	-	23:19	21:08	-		30	-	-	-	-
	31	-	23:14	21:14	-						
		23:08	21:21	-							

ROVANIEMI - EFRO

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JUL	1	-	-	-	-	AUG	1	-	0:55	19:48	-
	2	-	-	-	-		2	-	0:59	19:44	-
	3	-	-	-	-		3	22:52	1:03	19:39	21:55
	4	-	-	-	-		4	23:09	1:07	19:35	21:37
	5	-	-	-	-		5	23:22	1:11	19:31	21:25
	6	-	22:30	22:14	-		6	23:32	1:15	19:27	21:14
	7	-	22:47	21:57	-		7	23:41	1:19	19:23	21:05
	8	-	22:56	21:48	-		8	23:49	1:23	19:19	20:56
	9	-	23:05	21:40	-		9	23:57	1:27	19:15	20:48
	10	-	23:12	21:33	-		10	-	1:31	19:10	20:41
	11	-	23:18	21:27	-		11	0:04	1:35	19:06	20:34
	12	-	23:24	21:21	-		12	0:11	1:38	19:02	20:27
	13	-	23:30	21:15	-		13	0:17	1:42	18:58	20:21
	14	-	23:36	21:10	-		14	0:23	1:46	18:54	20:14
	15	-	23:41	21:05	-		15	0:29	1:50	18:50	20:08
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	18	-	23:57	20:50	-		18	0:46	2:01	18:38	19:51
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	20	-	0:01	20:41	-		20	0:56	2:08	18:30	19:40
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	31	-	0:51	19:52	-		31	1:45	2:46	17:45	18:46
SEP	1	1:49	2:49	17:41	18:41	OCT	1	3:36	4:28	15:43	16:35
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							31	5:13	6:12	13:47	14:47
NOV	1	5:16	6:16	13:43	14:43	DEC	1	6:45	8:15	11:56	13:26
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							31	7:16	9:02	11:38	13:23

19. SAVONLINNA - EFSA

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JAN	1	6:22	7:26	12:50	13:54	FEB	1	5:38	6:29	14:07	14:59
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	3	6:21	7:25	12:53	13:56		3	5:33	6:24	14:13	15:04
	4	6:21	7:24	12:55	13:58		4	5:31	6:21	14:16	15:06
	5	6:20	7:23	12:57	13:59		5	5:29	6:18	14:19	15:09
	6	6:20	7:22	12:59	14:01		6	5:26	6:16	14:22	15:11
	7	6:19	7:21	13:01	14:03		7	5:24	6:13	14:25	15:14
	8	6:18	7:19	13:03	14:05		8	5:21	6:10	14:28	15:17
	9	6:17	7:18	13:05	14:06		9	5:19	6:07	14:31	15:19
	10	6:16	7:16	13:08	14:08		10	5:16	6:04	14:34	15:22
	11	6:15	7:15	13:10	14:10		11	5:13	6:01	14:36	15:25
	12	6:14	7:13	13:12	14:12		12	5:11	5:58	14:39	15:27
	13	6:12	7:12	13:15	14:14		13	5:08	5:56	14:42	15:30
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	15	6:10	7:08	13:20	14:18		15	5:03	5:50	14:48	15:35
	16	6:08	7:06	13:22	14:20		16	5:00	5:47	14:51	15:38
	17	6:07	7:04	13:25	14:23		17	4:57	5:44	14:54	15:40
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	19	6:04	7:00	13:30	14:27		19	4:52	5:38	15:00	15:46
	20	6:02	6:58	13:33	14:29		20	4:49	5:35	15:02	15:48
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	24	5:55	6:49	13:44	14:39		24	4:37	5:22	15:14	15:59
	25	5:53	6:47	13:47	14:41		25	4:34	5:19	15:17	16:02
	26	5:51	6:44	13:50	14:44		26	4:31	5:16	15:19	16:04
	27	5:49	6:42	13:53	14:46		27	4:28	5:13	15:22	16:07
	28	5:47	6:39	13:56	14:49		28	4:25	5:10	15:25	16:10
	29	5:45	6:37	13:59	14:51						
	30	5:42	6:34	14:01	14:54						
	31	5:40	6:32	14:04	14:56						
MAR	1	4:22	5:07	15:28	16:12	APR	1	2:41	3:26	16:51	17:37
	2	4:19	5:03	15:30	16:15		2	2:37	3:23	16:54	17:40
	3	4:16	5:00	15:33	16:18		3	2:34	3:20	16:57	17:43
	4	4:13	4:57	15:36	16:20		4	2:30	3:17	16:59	17:46
	5	4:10	4:54	15:39	16:23		5	2:27	3:13	17:02	17:49
	6	4:07	4:51	15:41	16:26		6	2:23	3:10	17:05	17:52
	7	4:03	4:48	15:44	16:28		7	2:20	3:07	17:07	17:55
	8	4:00	4:44	15:47	16:31		8	2:16	3:04	17:10	17:58
	9	3:57	4:41	15:50	16:34		9	2:13	3:00	17:13	18:01
	10	3:54	4:38	15:52	16:36		10	2:09	2:57	17:16	18:04
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	12	3:48	4:31	15:58	16:42		12	2:02	2:51	17:21	18:10
	13	3:44	4:28	16:01	16:45		13	1:58	2:48	17:24	18:13
	14	3:41	4:25	16:03	16:47		14	1:55	2:44	17:26	18:16
	15	3:38	4:22	16:06	16:50		15	1:51	2:41	17:29	18:20
	16	3:35	4:18	16:09	16:53		16	1:48	2:38	17:32	18:23
	17	3:31	4:15	16:11	16:55		17	1:44	2:35	17:35	18:26
	18	3:28	4:12	16:14	16:58		18	1:40	2:32	17:37	18:29
	19	3:25	4:09	16:17	17:01		19	1:37	2:28	17:40	18:32
	20	3:21	4:05	16:19	17:04		20	1:33	2:25	17:43	18:36
	21	3:18	4:02	16:22	17:06		21	1:29	2:22	17:46	18:39
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	25	3:05	3:49	16:33	17:18		25	1:15	2:10	17:57	18:52
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	31	2:44	3:30	16:49	17:35						
MAY	1	0:52	1:51	18:13	19:13	JUN	1	-	0:32	19:34	-
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	24	23:10	0:49	19:15	20:52		24	-	0:15	19:58	-
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	29	22:38	0:38	19:27	21:25		29	-	0:20	19:55	-
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	31	22:12	0:34	19:31	21:52						

SAVONLINNA - EFSA

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JUL	1	-	0:22	19:53	-	AUG	1	0:20	1:31	18:48	19:58
	2	-	0:23	19:52	-		2	0:24	1:33	18:46	19:53
	3	-	0:25	19:51	-		3	0:28	1:36	18:43	19:49
	4	-	0:26	19:50	-		4	0:32	1:39	18:40	19:45
	5	-	0:28	19:49	-		5	0:36	1:41	18:37	19:42
	6	-	0:29	19:47	-		6	0:40	1:44	18:34	19:38
	7	-	0:31	19:46	-		7	0:43	1:47	18:31	19:34
	8	-	0:33	19:44	-		8	0:47	1:50	18:28	19:30
	9	-	0:35	19:43	-		9	0:51	1:52	18:25	19:26
	10	-	0:37	19:41	-		10	0:54	1:55	18:22	19:22
	11	22:28	0:39	19:39	21:52		11	0:58	1:58	18:19	19:18
	12	22:40	0:41	19:37	21:40		12	1:01	2:00	18:16	19:14
	13	22:49	0:43	19:35	21:31		13	1:05	2:03	18:13	19:11
	14	22:57	0:45	19:33	21:24		14	1:08	2:06	18:10	19:07
	15	23:04	0:48	19:31	21:17		15	1:12	2:09	18:07	19:03
	16	23:10	0:50	19:29	21:11		16	1:15	2:11	18:04	18:59
	17	23:16	0:52	19:27	21:06		17	1:18	2:14	18:01	18:56
	18	23:21	0:55	19:24	21:00		18	1:22	2:17	17:58	18:52
	19	23:27	0:57	19:22	20:55		19	1:25	2:19	17:54	18:48
	20	23:32	0:59	19:20	20:50		20	1:28	2:22	17:51	18:45
	21	23:37	1:02	19:17	20:45		21	1:31	2:25	17:48	18:41
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	27	-	1:17	19:02	20:18		27	1:50	2:41	17:29	18:19
	28	0:04	1:20	18:59	20:14		28	1:53	2:43	17:26	18:15
	29	0:08	1:23	18:57	20:10		29	1:56	2:46	17:23	18:12
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	31	0:16	1:28	18:51	20:02		31	2:02	2:51	17:16	18:05
SEP	1	2:05	2:54	17:13	18:01	OCT	1	3:27	4:11	15:35	16:19
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	3	2:11	2:59	17:06	17:54		3	3:32	4:16	15:29	16:13
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	5	2:17	3:04	17:00	17:47		5	3:37	4:22	15:22	16:06
	6	2:20	3:07	16:57	17:43		6	3:40	4:24	15:19	16:03
	7	2:22	3:09	16:53	17:40		7	3:43	4:27	15:16	16:00
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	13	2:39	3:25	16:34	17:19		13	3:58	4:43	14:57	15:41
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	24	3:09	3:53	15:58	16:42		24	4:26	5:13	14:23	15:09
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	26	3:14	3:58	15:51	16:35		26	4:31	5:19	14:17	15:04
	27	3:17	4:01	15:48	16:32		27	4:34	5:21	14:14	15:01
	28	3:19	4:03	15:45	16:29		28	4:37	5:24	14:11	14:58
	29	3:22	4:06	15:42	16:26		29	4:39	5:27	14:08	14:56
	30	3:24	4:09	15:38	16:22		30	4:42	5:30	14:05	14:53
NOV	1	4:47	5:35	13:59	14:48	DEC	1	5:56	6:57	12:49	13:50
	2	4:49	5:38	13:56	14:45		2	5:58	6:59	12:48	13:49
	3	4:52	5:41	13:53	14:43		3	6:00	7:01	12:46	13:48
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	6	4:59	5:50	13:45	14:35		6	6:05	7:08	12:43	13:45
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	8	5:05	5:55	13:40	14:30		8	6:08	7:11	12:41	13:44
	9	5:07	5:58	13:37	14:28		9	6:10	7:13	12:40	13:43
	10	5:09	6:01	13:34	14:26		10	6:11	7:15	12:39	13:43
	11	5:12	6:04	13:32	14:24		11	6:12	7:16	12:38	13:42
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	15	5:22	6:15	13:22	14:15		15	6:17	7:22	12:37	13:42
	16	5:24	6:18	13:19	14:13		16	6:18	7:23	12:37	13:42
	17	5:26	6:21	13:17	14:11		17	6:19	7:24	12:36	13:42
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	22	5:38	6:34	13:06	14:02		22	6:22	7:28	12:38	13:44
	23	5:40	6:37	13:04	14:01		23	6:22	7:28	12:39	13:44
	24	5:42	6:40	13:02	13:59		24	6:23	7:28	12:39	13:45
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	29	5:53	6:52	12:52	13:52		29	6:23	7:28	12:45	13:50
	30	5:55	6:55	12:51	13:51		30	6:23	7:28	12:46	13:51
					31	6:23	7:27	12:48	13:52		

20. SEINÄJOKI - EFSI

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JAN	1	6:52	8:00	13:05	14:13	FEB	1	6:05	6:58	14:27	15:20
	2	6:52	7:59	13:07	14:14		2	6:03	6:56	14:30	15:23
	3	6:51	7:58	13:09	14:16		3	6:01	6:53	14:33	15:25
	4	6:51	7:57	13:11	14:17		4	5:58	6:50	14:36	15:28
	5	6:50	7:56	13:13	14:19		5	5:56	6:47	14:39	15:31
	6	6:49	7:55	13:15	14:20		6	5:53	6:44	14:42	15:33
	7	6:48	7:53	13:17	14:22		7	5:51	6:41	14:45	15:36
	8	6:47	7:52	13:19	14:24		8	5:48	6:38	14:48	15:39
	9	6:46	7:50	13:22	14:26		9	5:45	6:35	14:51	15:41
	10	6:45	7:49	13:24	14:28		10	5:43	6:32	14:54	15:44
	11	6:44	7:47	13:27	14:30		11	5:40	6:29	14:57	15:47
	12	6:43	7:45	13:29	14:32		12	5:37	6:26	15:00	15:50
	13	6:42	7:44	13:32	14:34		13	5:35	6:23	15:03	15:52
	14	6:40	7:42	13:34	14:36		14	5:32	6:20	15:06	15:55
	15	6:39	7:40	13:37	14:38		15	5:29	6:17	15:09	15:58
	16	6:37	7:38	13:40	14:40		16	5:26	6:14	15:12	16:01
	17	6:36	7:36	13:43	14:43		17	5:23	6:11	15:15	16:03
	18	6:34	7:34	13:45	14:45		18	5:20	6:08	15:18	16:06
	19	6:32	7:31	13:48	14:47		19	5:17	6:05	15:21	16:09
	20	6:31	7:29	13:51	14:50		20	5:14	6:02	15:24	16:12
	21	6:29	7:27	13:54	14:52		21	5:12	5:58	15:27	16:14
	22	6:27	7:24	13:57	14:54		22	5:09	5:55	15:30	16:17
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	24	6:23	7:20	14:03	14:59		24	5:02	5:49	15:36	16:23
	25	6:21	7:17	14:06	15:02		25	4:59	5:46	15:39	16:25
	26	6:19	7:15	14:09	15:04		26	4:56	5:42	15:42	16:28
	27	6:17	7:12	14:12	15:07		27	4:53	5:39	15:45	16:31
	28	6:15	7:09	14:15	15:10		28	4:50	5:36	15:48	16:34
	29	6:12	7:07	14:18	15:12						
	30	6:10	7:04	14:21	15:15						
	31	6:08	7:01	14:24	15:17						
MAR	1	4:47	5:33	15:51	16:36	APR	1	3:02	3:49	17:17	18:05
	2	4:44	5:29	15:53	16:39		2	2:59	3:46	17:20	18:08
	3	4:41	5:26	15:56	16:42		3	2:55	3:43	17:23	18:11
	4	4:38	5:23	15:59	16:45		4	2:52	3:39	17:26	18:14
	5	4:34	5:20	16:02	16:47		5	2:48	3:36	17:28	18:17
	6	4:31	5:16	16:05	16:50		6	2:44	3:33	17:31	18:20
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	8	4:25	5:10	16:10	16:56		8	2:37	3:26	17:37	18:26
	9	4:21	5:06	16:13	16:59		9	2:33	3:23	17:40	18:29
	10	4:18	5:03	16:16	17:01		10	2:30	3:19	17:42	18:32
	11	4:15	5:00	16:19	17:04		11	2:26	3:16	17:45	18:36
	12	4:11	4:56	16:22	17:07		12	2:22	3:13	17:48	18:39
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	16	3:58	4:43	16:33	17:18		16	2:07	2:59	17:59	18:52
	17	3:55	4:40	16:36	17:21		17	2:04	2:56	18:02	18:55
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	20	3:44	4:30	16:44	17:30		20	1:52	2:46	18:11	19:06
	21	3:41	4:26	16:47	17:32		21	1:48	2:43	18:14	19:09
	22	3:38	4:23	16:50	17:35		22	1:44	2:40	18:16	19:13
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	28	3:17	4:03	17:06	17:53		28	1:21	2:20	18:34	19:34
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	31	3:06	3:53	17:14	18:02						
MAY	1	1:09	2:11	18:43	19:46	JUN	1	-	0:47	20:08	-
	2	1:05	2:08	18:46	19:50		2	-	0:45	20:10	-
	3	1:01	2:05	18:48	19:54		3	-	0:43	20:12	-
	4	0:56	2:02	18:51	19:58		4	-	0:41	20:15	-
	5	0:52	1:58	18:54	20:02		5	-	0:39	20:17	-
	6	0:48	1:55	18:57	20:06		6	-	0:38	20:18	-
	7	0:44	1:52	19:00	20:10		7	-	0:36	20:20	-
	8	0:39	1:49	19:03	20:14		8	-	0:35	20:22	-
	9	0:35	1:46	19:06	20:19		9	-	0:33	20:24	-
	10	0:31	1:43	19:09	20:23		10	-	0:32	20:25	-
	11	0:26	1:40	19:12	20:28		11	-	0:31	20:27	-
	12	0:21	1:37	19:15	20:32		12	-	0:30	20:28	-
	13	0:17	1:35	19:18	20:37		13	-	0:29	20:29	-
	14	0:12	1:32	19:20	20:42		14	-	0:28	20:30	-
	15	0:07	1:29	19:23	20:47		15	-	0:28	20:31	-
	16	0:02	1:26	19:26	20:52		16	-	0:27	20:32	-
	17	23:52	1:23	19:29	20:58		17	-	0:27	20:33	-
	18	23:46	1:20	19:32	21:03		18	-	0:27	20:33	-
	19	23:41	1:18	19:35	21:09		19	-	0:26	20:34	-
	20	23:35	1:15	19:37	21:15		20	-	0:26	20:34	-
	21	23:29	1:12	19:40	21:21		21	-	0:27	20:34	-
	22	23:22	1:10	19:43	21:28		22	-	0:27	20:34	-
	23	23:14	1:07	19:46	21:36		23	-	0:27	20:34	-
	24	23:06	1:05	19:48	21:45		24	-	0:28	20:34	-
	25	22:55	1:02	19:51	21:56		25	-	0:28	20:34	-
	26	22:38	1:00	19:54	22:14		26	-	0:29	20:33	-
	27	-	0:57	19:56	-		27	-	0:30	20:33	-
	28	-	0:55	19:59	-		28	-	0:31	20:32	-
	29	-	0:53	20:01	-		29	-	0:32	20:31	-
	30	-	0:51	20:03	-		30	-	0:33	20:30	-
	31	-	0:49	20:06	-						

SEINÄJOKI - EFSI

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JUL	1	-	0:35	20:29	-	AUG	1	0:33	1:49	19:19	20:33
	2	-	0:36	20:28	-		2	0:38	1:52	19:16	20:28
	3	-	0:38	20:27	-		3	0:42	1:55	19:13	20:24
	4	-	0:39	20:25	-		4	0:46	1:57	19:10	20:20
	5	-	0:41	20:24	-		5	0:51	2:00	19:07	20:15
	6	-	0:43	20:22	-		6	0:55	2:03	19:04	20:11
	7	-	0:45	20:21	-		7	0:59	2:06	19:01	20:07
	8	-	0:47	20:19	-		8	1:03	2:09	18:58	20:03
	9	-	0:49	20:17	-		9	1:07	2:12	18:55	19:58
	10	-	0:51	20:15	-		10	1:11	2:15	18:51	19:54
	11	-	0:53	20:13	-		11	1:14	2:17	18:48	19:50
	12	-	0:56	20:11	-		12	1:18	2:20	18:45	19:46
	13	-	0:58	20:09	-		13	1:22	2:23	18:42	19:42
	14	-	1:00	20:07	-		14	1:26	2:26	18:39	19:38
	15	-	1:03	20:05	-		15	1:29	2:29	18:35	19:34
	16	22:56	1:05	20:02	22:15		16	1:33	2:32	18:32	19:30
	17	23:09	1:08	20:00	22:01		17	1:36	2:34	18:29	19:26
	18	23:19	1:10	19:57	21:52		18	1:40	2:37	18:26	19:22
	19	23:27	1:13	19:55	21:43		19	1:43	2:40	18:23	19:18
	20	23:34	1:16	19:52	21:36		20	1:47	2:43	18:19	19:15
	21	23:41	1:18	19:50	21:30		21	1:50	2:46	18:16	19:11
	22	23:47	1:21	19:47	21:23		22	1:54	2:48	18:13	19:07
	23	23:53	1:24	19:44	21:18		23	1:57	2:51	18:09	19:03
	24	23:59	1:27	19:42	21:12		24	2:00	2:54	18:06	18:59
	25	-	1:29	19:39	21:07		25	2:03	2:57	18:03	18:55
	26	0:04	1:32	19:36	21:02		26	2:07	2:59	18:00	18:52
	27	0:10	1:35	19:33	20:56		27	2:10	3:02	17:56	18:48
	28	0:15	1:38	19:31	20:52		28	2:13	3:05	17:53	18:44
	29	0:19	1:40	19:28	20:47		29	2:16	3:08	17:50	18:40
	30	0:24	1:43	19:25	20:42		30	2:19	3:10	17:46	18:37
	31	0:29	1:46	19:22	20:37		31	2:23	3:13	17:43	18:33
SEP	1	2:26	3:16	17:40	18:29	OCT	1	3:51	4:36	15:59	16:44
	2	2:29	3:19	17:36	18:26		2	3:54	4:39	15:56	16:41
	3	2:32	3:21	17:33	18:22		3	3:56	4:42	15:52	16:37
	4	2:35	3:24	17:30	18:18		4	3:59	4:44	15:49	16:34
	5	2:38	3:27	17:26	18:15		5	4:02	4:47	15:46	16:31
	6	2:41	3:29	17:23	18:11		6	4:04	4:50	15:42	16:27
	7	2:44	3:32	17:20	18:07		7	4:07	4:53	15:39	16:24
	8	2:47	3:35	17:16	18:04		8	4:10	4:55	15:36	16:21
	9	2:50	3:37	17:13	18:00		9	4:13	4:58	15:32	16:18
	10	2:53	3:40	17:09	17:57		10	4:15	5:01	15:29	16:15
	11	2:56	3:43	17:06	17:53		11	4:18	5:04	15:26	16:11
	12	2:58	3:45	17:03	17:49		12	4:21	5:06	15:23	16:08
	13	3:01	3:48	16:59	17:46		13	4:23	5:09	15:19	16:05
	14	3:04	3:51	16:56	17:42		14	4:26	5:12	15:16	16:02
	15	3:07	3:53	16:53	17:39		15	4:29	5:15	15:13	15:59
	16	3:10	3:56	16:49	17:35		16	4:31	5:18	15:10	15:56
	17	3:13	3:59	16:46	17:32		17	4:34	5:20	15:06	15:53
	18	3:15	4:01	16:42	17:28		18	4:37	5:23	15:03	15:50
	19	3:18	4:04	16:39	17:25		19	4:39	5:26	15:00	15:47
	20	3:21	4:07	16:36	17:21		20	4:42	5:29	14:57	15:44
	21	3:24	4:09	16:32	17:18		21	4:44	5:32	14:54	15:41
	22	3:27	4:12	16:29	17:14		22	4:47	5:35	14:50	15:38
	23	3:29	4:15	16:26	17:11		23	4:50	5:38	14:47	15:35
	24	3:32	4:17	16:22	17:08		24	4:52	5:40	14:44	15:32
	25	3:35	4:20	16:19	17:04		25	4:55	5:43	14:41	15:29
	26	3:37	4:23	16:16	17:01		26	4:58	5:46	14:38	15:26
	27	3:40	4:25	16:12	16:57		27	5:00	5:49	14:35	15:23
	28	3:43	4:28	16:09	16:54		28	5:03	5:52	14:32	15:21
	29	3:46	4:31	16:06	16:51		29	5:06	5:55	14:29	15:18
	30	3:48	4:34	16:02	16:47		30	5:08	5:58	14:26	15:15
							31	5:11	6:01	14:23	15:12
NOV	1	5:14	6:04	14:20	15:10	DEC	1	6:26	7:29	13:06	14:09
	2	5:16	6:07	14:17	15:07		2	6:28	7:32	13:04	14:08
	3	5:19	6:10	14:14	15:04		3	6:30	7:34	13:03	14:07
	4	5:22	6:13	14:11	15:02		4	6:31	7:36	13:01	14:06
	5	5:24	6:16	14:08	14:59		5	6:33	7:39	13:00	14:05
	6	5:27	6:19	14:05	14:57		6	6:35	7:41	12:58	14:04
	7	5:29	6:22	14:02	14:54		7	6:36	7:43	12:57	14:04
	8	5:32	6:25	13:59	14:52		8	6:38	7:45	12:56	14:03
	9	5:35	6:28	13:57	14:49		9	6:40	7:47	12:55	14:02
	10	5:37	6:31	13:54	14:47		10	6:41	7:48	12:54	14:02
	11	5:40	6:34	13:51	14:45		11	6:42	7:50	12:54	14:01
	12	5:42	6:37	13:48	14:43		12	6:44	7:52	12:53	14:01
	13	5:45	6:39	13:46	14:40		13	6:45	7:53	12:52	14:01
	14	5:47	6:42	13:43	14:38		14	6:46	7:55	12:52	14:01
	15	5:50	6:45	13:40	14:36		15	6:47	7:56	12:52	14:01
	16	5:52	6:48	13:38	14:34		16	6:48	7:57	12:52	14:01
	17	5:55	6:51	13:35	14:32		17	6:49	7:58	12:51	14:01
	18	5:57	6:54	13:33	14:30		18	6:50	7:59	12:52	14:01
	19	6:00	6:57	13:30	14:28		19	6:50	8:00	12:52	14:01
	20	6:02	7:00	13:28	14:26		20	6:51	8:01	12:52	14:01
	21	6:04	7:03	13:26	14:24		21	6:52	8:01	12:52	14:02
	22	6:07	7:06	13:23	14:22		22	6:52	8:02	12:53	14:02
	23	6:09	7:08	13:21	14:21		23	6:53	8:02	12:54	14:03
	24	6:11	7:11	13:19	14:19		24	6:53	8:02	12:54	14:04
	25	6:13	7:14	13:17	14:17		25	6:53	8:02	12:55	14:04
	26	6:16	7:17	13:15	14:16		26	6:53	8:02	12:56	14:05
	27	6:18	7:19	13:13	14:14		27	6:53	8:02	12:57	14:06
	28	6:20	7:22	13:11	14:13		28	6:53	8:02	12:59	14:07
	29	6:22	7:24	13:09	14:12		29	6:53	8:02	13:00	14:08
	30	6:24	7:27	13:07	14:10		30	6:53	8:01	13:01	14:10
							31	6:53	8:01	13:03	14:11

21. TAMPERE-PIRKKALA - EFTP

Month 1	Day 2	TWIL 3 FM	SR 4	SS 5	TWIL 6 TO	Month 1	Day 2	TWIL 3 FM	SR 4	SS 5	TWIL 6 TO
JAN	1	6:40	7:42	13:17	14:19	FEB	1	5:57	6:47	14:32	15:22
	2	6:40	7:41	13:19	14:20		2	5:55	6:45	14:35	15:25
	3	6:39	7:40	13:20	14:21		3	5:53	6:42	14:38	15:27
	4	6:39	7:40	13:22	14:23		4	5:50	6:40	14:41	15:30
	5	6:38	7:39	13:24	14:24		5	5:48	6:37	14:43	15:32
	6	6:37	7:38	13:26	14:26		6	5:46	6:34	14:46	15:35
	7	6:37	7:37	13:28	14:28		7	5:43	6:31	14:49	15:37
	8	6:36	7:35	13:30	14:29		8	5:41	6:29	14:52	15:40
	9	6:35	7:34	13:32	14:31		9	5:38	6:26	14:55	15:42
	10	6:34	7:33	13:34	14:33		10	5:36	6:23	14:58	15:45
	11	6:33	7:31	13:37	14:35		11	5:33	6:20	15:00	15:48
	12	6:32	7:30	13:39	14:37		12	5:31	6:18	15:03	15:50
	13	6:31	7:28	13:41	14:39		13	5:28	6:15	15:06	15:53
	14	6:29	7:26	13:44	14:41		14	5:26	6:12	15:09	15:55
	15	6:28	7:25	13:46	14:43		15	5:23	6:09	15:12	15:58
	16	6:27	7:23	13:49	14:45		16	5:20	6:06	15:14	16:00
	17	6:25	7:21	13:51	14:47		17	5:17	6:03	15:17	16:03
	18	6:24	7:19	13:54	14:49		18	5:15	6:00	15:20	16:06
	19	6:22	7:17	13:56	14:51		19	5:12	5:57	15:23	16:08
	20	6:21	7:15	13:59	14:54		20	5:09	5:54	15:26	16:11
	21	6:19	7:13	14:02	14:56		21	5:06	5:51	15:28	16:13
	22	6:17	7:11	14:04	14:58		22	5:04	5:48	15:31	16:16
	23	6:15	7:09	14:07	15:00		23	5:01	5:45	15:34	16:19
	24	6:14	7:07	14:10	15:03		24	4:58	5:42	15:37	16:21
	25	6:12	7:04	14:12	15:05		25	4:55	5:39	15:39	16:24
	26	6:10	7:02	14:15	15:07		26	4:52	5:36	15:42	16:26
	27	6:08	7:00	14:18	15:10		27	4:49	5:33	15:45	16:29
	28	6:06	6:57	14:21	15:12		28	4:46	5:30	15:48	16:32
	29	6:04	6:55	14:24	15:15						
	30	6:02	6:52	14:26	15:17						
	31	5:59	6:50	14:29	15:20						
MAR	1	4:43	5:27	15:50	16:34	APR	1	3:04	3:49	17:12	17:57
	2	4:40	5:24	15:53	16:37		2	3:00	3:45	17:14	18:00
	3	4:37	5:21	15:56	16:39		3	2:57	3:42	17:17	18:03
	4	4:34	5:18	15:58	16:42		4	2:54	3:39	17:20	18:06
	5	4:31	5:14	16:01	16:45		5	2:50	3:36	17:22	18:08
	6	4:28	5:11	16:04	16:47		6	2:47	3:33	17:25	18:11
	7	4:25	5:08	16:06	16:50		7	2:43	3:30	17:28	18:14
	8	4:22	5:05	16:09	16:52		8	2:40	3:26	17:30	18:17
	9	4:19	5:02	16:12	16:55		9	2:36	3:23	17:33	18:20
	10	4:16	4:59	16:14	16:58		10	2:33	3:20	17:35	18:23
	11	4:12	4:56	16:17	17:00		11	2:29	3:17	17:38	18:26
	12	4:09	4:52	16:20	17:03		12	2:26	3:14	17:41	18:29
	13	4:06	4:49	16:22	17:06		13	2:23	3:11	17:43	18:32
	14	4:03	4:46	16:25	17:08		14	2:19	3:07	17:46	18:35
	15	4:00	4:43	16:28	17:11		15	2:16	3:04	17:49	18:38
	16	3:57	4:40	16:30	17:14		16	2:12	3:01	17:51	18:41
	17	3:53	4:37	16:33	17:16		17	2:09	2:58	17:54	18:44
	18	3:50	4:33	16:35	17:19		18	2:05	2:55	17:57	18:47
	19	3:47	4:30	16:38	17:22		19	2:01	2:52	17:59	18:50
	20	3:44	4:27	16:41	17:24		20	1:58	2:49	18:02	18:54
	21	3:40	4:24	16:43	17:27		21	1:54	2:46	18:05	18:57
	22	3:37	4:21	16:46	17:30		22	1:51	2:43	18:07	19:00
	23	3:34	4:17	16:48	17:32		23	1:47	2:40	18:10	19:03
	24	3:30	4:14	16:51	17:35		24	1:44	2:37	18:13	19:06
	25	3:27	4:11	16:54	17:38		25	1:40	2:34	18:15	19:10
	26	3:24	4:08	16:56	17:41		26	1:36	2:31	18:18	19:13
	27	3:21	4:05	16:59	17:43		27	1:33	2:28	18:21	19:16
	28	3:17	4:01	17:01	17:46		28	1:29	2:25	18:23	19:20
	29	3:14	3:58	17:04	17:49		29	1:26	2:22	18:26	19:23
	30	3:10	3:55	17:07	17:52		30	1:22	2:19	18:29	19:26
	31	3:07	3:52	17:09	17:54						
MAY	1	1:18	2:16	18:32	19:30	JUN	1	23:05	1:00	19:49	21:42
	2	1:15	2:13	18:34	19:33		2	22:58	0:58	19:51	21:49
	3	1:11	2:10	18:37	19:37		3	22:50	0:57	19:52	21:57
	4	1:07	2:07	18:40	19:40		4	22:39	0:55	19:54	22:09
	5	1:04	2:04	18:42	19:44		5	-	0:54	19:56	-
	6	1:00	2:01	18:45	19:47		6	-	0:52	19:58	-
	7	0:56	1:59	18:48	19:51		7	-	0:51	19:59	-
	8	0:52	1:56	18:50	19:55		8	-	0:50	20:01	-
	9	0:49	1:53	18:53	19:58		9	-	0:49	20:02	-
	10	0:45	1:50	18:56	20:02		10	-	0:48	20:03	-
	11	0:41	1:48	18:58	20:06		11	-	0:47	20:05	-
	12	0:37	1:45	19:01	20:10		12	-	0:46	20:06	-
	13	0:33	1:42	19:04	20:14		13	-	0:45	20:07	-
	14	0:30	1:40	19:06	20:18		14	-	0:45	20:08	-
	15	0:26	1:37	19:09	20:21		15	-	0:44	20:09	-
	16	0:22	1:34	19:11	20:25		16	-	0:44	20:09	-
	17	0:18	1:32	19:14	20:29		17	-	0:44	20:10	-
	18	0:14	1:29	19:17	20:34		18	-	0:43	20:10	-
	19	0:10	1:27	19:19	20:38		19	-	0:43	20:11	-
	20	0:06	1:25	19:22	20:42		20	-	0:43	20:11	-
	21	0:02	1:22	19:24	20:46		21	-	0:44	20:11	-
	22	23:54	1:20	19:26	20:51		22	-	0:44	20:11	-
	23	23:49	1:18	19:29	20:55		23	-	0:44	20:11	-
	24	23:45	1:15	19:31	21:00		24	-	0:45	20:11	-
	25	23:41	1:13	19:34	21:04		25	-	0:45	20:11	-
	26	23:36	1:11	19:36	21:09		26	-	0:46	20:11	-
	27	23:31	1:09	19:38	21:14		27	-	0:47	20:10	-
	28	23:27	1:07	19:40	21:19		28	-	0:47	20:10	-
	29	23:22	1:05	19:42	21:24		29	-	0:48	20:09	-
	30	23:16	1:03	19:45	21:30		30	-	0:50	20:08	-
	31	23:11	1:02	19:47	21:36						

TAMPERE-PIRKKALA - EFTP

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JUL	1	-	0:51	20:08	-	AUG	1	0:49	1:56	19:06	20:12
	2	-	0:52	20:07	-		2	0:53	1:59	19:03	20:08
	3	-	0:53	20:06	-		3	0:56	2:01	19:00	20:04
	4	-	0:55	20:04	-		4	1:00	2:04	18:58	20:01
	5	-	0:56	20:03	-		5	1:04	2:07	18:55	19:57
	6	-	0:58	20:02	-		6	1:07	2:09	18:52	19:53
	7	22:52	0:59	20:00	22:11		7	1:11	2:12	18:49	19:49
	8	23:01	1:01	19:59	22:01		8	1:14	2:14	18:46	19:46
	9	23:09	1:03	19:57	21:54		9	1:17	2:17	18:43	19:42
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	6	5:19	6:08	14:09	14:59		6	6:23	7:24	13:10	14:10
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					31	6:41	7:43	13:15	14:17		

22. TURKU - EFTU

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JAN	1	6:40	7:38	13:31	14:30	FEB	1	5:59	6:47	14:43	15:31
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	3	6:39	7:37	13:35	14:32		3	5:55	6:42	14:48	15:36
	4	6:38	7:36	13:36	14:34		4	5:53	6:40	14:51	15:38
	5	6:38	7:35	13:38	14:35		5	5:50	6:37	14:53	15:40
	6	6:37	7:34	13:40	14:37		6	5:48	6:35	14:56	15:43
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	8	6:36	7:32	13:44	14:40		8	5:43	6:30	15:01	15:48
	9	6:35	7:31	13:46	14:42		9	5:41	6:27	15:04	15:50
	10	6:34	7:30	13:48	14:44		10	5:39	6:24	15:07	15:53
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	29	6:05	6:55	14:34	15:24						
	30	6:03	6:52	14:37	15:26						
	31	6:01	6:50	14:40	15:28						
MAR	1	4:48	5:30	15:57	16:40	APR	1	3:12	3:55	17:16	18:00
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	10	4:21	5:03	16:21	17:03		10	2:42	3:28	17:38	18:24
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	31	3:15	3:58	17:13	17:57						
MAY	1	1:31	2:26	18:32	19:27	JUN	1	23:42	1:15	19:44	21:16
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	31	23:45	1:17	19:42	21:12						

TURKU - EFTU

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
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	3	23:25	1:10	20:00	21:46		3	1:12	2:13	18:59	20:00
	4	23:28	1:11	19:59	21:43		4	1:15	2:15	18:57	19:56
	5	23:32	1:12	19:58	21:39		5	1:19	2:18	18:54	19:53
	6	23:36	1:14	19:57	21:36		6	1:22	2:20	18:51	19:49
	7	23:40	1:15	19:55	21:33		7	1:25	2:23	18:49	19:46
	8	23:43	1:17	19:54	21:29		8	1:28	2:25	18:46	19:42
	9	23:47	1:19	19:53	21:26		9	1:31	2:28	18:43	19:39
	10	23:51	1:20	19:51	21:22		10	1:35	2:30	18:40	19:36
	11	23:55	1:22	19:50	21:19		11	1:38	2:33	18:38	19:32
	12	23:58	1:24	19:48	21:15		12	1:41	2:35	18:35	19:29
	13	-	1:26	19:46	21:12		13	1:44	2:38	18:32	19:25
	14	0:02	1:28	19:45	21:09		14	1:47	2:40	18:29	19:22
	15	0:06	1:30	19:43	21:05		15	1:50	2:43	18:26	19:19
	16	0:09	1:32	19:41	21:02		16	1:53	2:45	18:23	19:15
	17	0:13	1:34	19:39	20:58		17	1:56	2:48	18:21	19:12
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	19	0:20	1:38	19:35	20:51		19	2:02	2:53	18:15	19:05
	20	0:24	1:40	19:33	20:48		20	2:05	2:55	18:12	19:02
	21	0:27	1:42	19:31	20:44		21	2:08	2:58	18:09	18:58
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	23	0:34	1:47	19:26	20:37		23	2:13	3:02	18:03	18:51
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	25	0:41	1:51	19:22	20:31		25	2:19	3:07	17:57	18:45
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	27	0:48	1:56	19:17	20:24		27	2:25	3:12	17:51	18:38
	28	0:52	1:59	19:15	20:20		28	2:28	3:15	17:48	18:35
	29	0:55	2:01	19:12	20:17		29	2:30	3:17	17:45	18:31
	30	0:59	2:03	19:10	20:13		30	2:33	3:20	17:42	18:28
	31	1:02	2:06	19:07	20:10		31	2:36	3:22	17:39	18:25
SEP	1	2:39	3:24	17:36	18:21	OCT	1	3:55	4:37	16:03	16:45
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	9	3:00	3:44	17:11	17:55		9	4:14	4:57	15:39	16:21
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							31	5:07	5:53	14:35	15:21
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	30	6:13	7:08	13:31	14:26		30	6:40	7:39	13:28	14:27
							31	6:40	7:39	13:30	14:28

23. UTTI - EFUT

Month	Day	TWIL FM	SR	SS	TWIL TO	Month	Day	TWIL FM	SR	SS	TWIL TO
1	2	3	4	5	6	1	2	3	4	5	6
JAN	1	6:23	7:23	13:09	14:09	FEB	1	5:42	6:31	14:22	15:11
	2	6:23	7:22	13:10	14:10		2	5:40	6:28	14:24	15:13
	3	6:23	7:22	13:12	14:11		3	5:38	6:26	14:27	15:16
	4	6:22	7:21	13:14	14:13		4	5:35	6:23	14:30	15:18
	5	6:21	7:20	13:16	14:14		5	5:33	6:21	14:33	15:20
	6	6:21	7:19	13:18	14:16		6	5:31	6:18	14:35	15:23
	7	6:20	7:18	13:19	14:18		7	5:28	6:15	14:38	15:25
	8	6:19	7:17	13:21	14:19		8	5:26	6:13	14:41	15:28
	9	6:18	7:16	13:24	14:21		9	5:23	6:10	14:44	15:30
	10	6:17	7:14	13:26	14:23		10	5:21	6:07	14:46	15:33
	11	6:16	7:13	13:28	14:25		11	5:19	6:05	14:49	15:35
	12	6:15	7:12	13:30	14:26		12	5:16	6:02	14:52	15:38
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	14	6:13	7:09	13:35	14:30		14	5:11	5:56	14:58	15:43
	15	6:12	7:07	13:37	14:32		15	5:08	5:54	15:00	15:46
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	29	5:48	6:38	14:13	15:03						
	30	5:46	6:36	14:16	15:06						
	31	5:44	6:33	14:19	15:08						
MAR	1	4:29	5:12	15:38	16:21	APR	1	2:52	3:36	16:58	17:42
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	27	3:08	3:52	16:45	17:28		27	1:24	2:17	18:05	18:59
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	31	2:55	3:39	16:55	17:39						
MAY	1	1:10	2:05	18:15	19:12	JUN	1	23:12	0:52	19:29	21:08
	2	1:06	2:02	18:18	19:15		2	23:08	0:51	19:31	21:13
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	8	0:45	1:46	18:33	19:35		8	22:39	0:43	19:41	21:44
	9	0:41	1:43	18:36	19:39		9	22:32	0:42	19:42	21:51
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	11	0:34	1:38	18:41	19:46		11	-	0:40	19:44	-
	12	0:31	1:35	18:44	19:49		12	-	0:39	19:46	-
	13	0:27	1:33	18:46	19:53		13	-	0:39	19:47	-
	14	0:23	1:30	18:49	19:57		14	-	0:38	19:47	-
	15	0:20	1:28	18:51	20:00		15	-	0:38	19:48	-
	16	0:16	1:25	18:54	20:04		16	-	0:37	19:49	-
	17	0:13	1:23	18:56	20:08		17	-	0:37	19:50	-
	18	0:09	1:21	18:59	20:12		18	-	0:37	19:50	-
	19	0:05	1:18	19:01	20:15		19	-	0:37	19:50	-
	20	0:02	1:16	19:03	20:19		20	-	0:37	19:51	-
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	31	23:16	0:54	19:27	21:04						

UTTI - EFUT

Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6	Month 1	Day 2	TWIL FM 3	SR 4	SS 5	TWIL TO 6
JUL	1	22:32	0:44	19:48	22:01	AUG	1	0:42	1:47	18:49	19:52
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	3	22:47	0:46	19:46	21:47		3	0:49	1:52	18:43	19:45
	4	22:53	0:48	19:45	21:41		4	0:52	1:54	18:41	19:41
	5	22:58	0:49	19:43	21:36		5	0:56	1:57	18:38	19:38
	6	23:03	0:51	19:42	21:32		6	0:59	1:59	18:35	19:34
	7	23:08	0:52	19:41	21:27		7	1:03	2:02	18:32	19:31
	8	23:12	0:54	19:40	21:23		8	1:06	2:04	18:30	19:27
	9	23:17	0:56	19:38	21:19		9	1:09	2:07	18:27	19:24
	10	23:21	0:57	19:37	21:14		10	1:12	2:09	18:24	19:20
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	12	23:30	1:01	19:33	21:06		12	1:19	2:14	18:18	19:13
	13	23:34	1:03	19:32	21:03		13	1:22	2:17	18:15	19:10
	14	23:38	1:05	19:30	20:59		14	1:25	2:20	18:12	19:06
	15	23:42	1:07	19:28	20:55		15	1:28	2:22	18:10	19:03
	16	23:46	1:09	19:26	20:51		16	1:31	2:25	18:07	18:59
	17	23:50	1:11	19:24	20:47		17	1:34	2:27	18:04	18:56
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	24	0:13	1:27	19:09	20:21		24	1:55	2:45	17:43	18:32
	25	0:17	1:30	19:06	20:17		25	1:58	2:47	17:40	18:28
	26	0:21	1:32	19:04	20:14		26	2:01	2:50	17:37	18:25
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SEP	1	2:18	3:05	17:18	18:04	OCT	1	3:36	4:18	15:44	16:26
	2	2:21	3:07	17:15	18:01		2	3:38	4:21	15:41	16:23
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	22	3:13	3:56	16:12	16:55		22	4:27	5:12	14:40	15:25
	23	3:16	3:59	16:09	16:52		23	4:30	5:15	14:38	15:22
	24	3:18	4:01	16:06	16:49		24	4:32	5:17	14:35	15:19
	25	3:21	4:04	16:03	16:45		25	4:35	5:20	14:32	15:17
	26	3:23	4:06	16:00	16:42		26	4:37	5:22	14:29	15:14
	27	3:26	4:08	15:57	16:39		27	4:40	5:25	14:26	15:12
	28	3:28	4:11	15:53	16:36		28	4:42	5:28	14:23	15:09
	29	3:31	4:13	15:50	16:33		29	4:44	5:30	14:20	15:06
	30	3:33	4:16	15:47	16:30		30	4:47	5:33	14:18	15:04
					31	4:49	5:36	14:15	15:01		
NOV	1	4:52	5:38	14:12	14:59	DEC	1	5:58	6:55	13:07	14:04
	2	4:54	5:41	14:09	14:56		2	6:00	6:57	13:06	14:03
	3	4:57	5:44	14:07	14:54		3	6:02	6:59	13:05	14:02
	4	4:59	5:47	14:04	14:52		4	6:03	7:01	13:03	14:01
	5	5:01	5:49	14:02	14:49		5	6:05	7:03	13:02	14:01
	6	5:04	5:52	13:59	14:47		6	6:06	7:05	13:01	14:00
	7	5:06	5:55	13:56	14:45		7	6:08	7:07	13:00	13:59
	8	5:09	5:57	13:54	14:42		8	6:09	7:08	13:00	13:59
	9	5:11	6:00	13:51	14:40		9	6:11	7:10	12:59	13:58
	10	5:13	6:03	13:49	14:38		10	6:12	7:12	12:58	13:58
	11	5:16	6:05	13:46	14:36		11	6:13	7:13	12:58	13:58
	12	5:18	6:08	13:44	14:34		12	6:15	7:15	12:57	13:57
	13	5:20	6:11	13:42	14:32		13	6:16	7:16	12:57	13:57
	14	5:23	6:13	13:39	14:30		14	6:17	7:17	12:57	13:57
	15	5:25	6:16	13:37	14:28		15	6:18	7:18	12:56	13:57
	16	5:27	6:19	13:35	14:26		16	6:19	7:19	12:56	13:57
	17	5:29	6:21	13:33	14:24		17	6:20	7:20	12:56	13:57
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	19	5:34	6:26	13:28	14:21		19	6:21	7:22	12:57	13:58
	20	5:36	6:29	13:26	14:19		20	6:22	7:23	12:57	13:58
	21	5:38	6:31	13:24	14:17		21	6:22	7:23	12:57	13:58
	22	5:40	6:34	13:22	14:16		22	6:23	7:24	12:58	13:59
	23	5:42	6:36	13:20	14:14		23	6:23	7:24	12:59	14:00
	24	5:45	6:39	13:18	14:13		24	6:23	7:24	12:59	14:00
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	26	5:49	6:44	13:15	14:10		26	6:24	7:25	13:01	14:02
	27	5:51	6:46	13:13	14:09		27	6:24	7:25	13:02	14:03
	28	5:53	6:48	13:12	14:07		28	6:24	7:25	13:03	14:04
	29	5:54	6:51	13:10	14:06		29	6:24	7:24	13:04	14:05
	30	5:56	6:53	13:09	14:05		30	6:24	7:24	13:06	14:06
					31	6:24	7:24	13:07	14:07		

24. VAASA - EFVA

Month	Day	TWIL	FM	SR	SS	TWIL	TO	Month	Day	TWIL	FM	SR	SS	TWIL	TO
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4
JAN	1	6:59	8:09	13:05	14:14	FEB	1	6:11	7:05	14:29	15:23				
	2	6:59	8:08	13:07	14:16		2	6:09	7:02	14:32	15:25				
	3	6:58	8:07	13:09	14:17		3	6:06	6:59	14:35	15:28				
	4	6:58	8:06	13:11	14:19		4	6:04	6:57	14:38	15:31				
	5	6:57	8:04	13:13	14:20		5	6:01	6:54	14:41	15:34				
	6	6:56	8:03	13:15	14:22		6	5:59	6:51	14:44	15:36				
	7	6:55	8:02	13:17	14:24		7	5:56	6:48	14:48	15:39				
	8	6:54	8:00	13:20	14:26		8	5:53	6:45	14:51	15:42				
	9	6:53	7:59	13:22	14:28		9	5:51	6:42	14:54	15:45				
	10	6:52	7:57	13:24	14:30		10	5:48	6:39	14:57	15:47				
	11	6:51	7:55	13:27	14:32		11	5:45	6:35	15:00	15:50				
	12	6:49	7:54	13:30	14:34		12	5:43	6:32	15:03	15:53				
	13	6:48	7:52	13:32	14:36		13	5:40	6:29	15:06	15:56				
	14	6:47	7:50	13:35	14:38		14	5:37	6:26	15:09	15:58				
	15	6:45	7:48	13:38	14:40		15	5:34	6:23	15:12	16:01				
	16	6:44	7:46	13:41	14:43		16	5:31	6:20	15:15	16:04				
	17	6:42	7:43	13:43	14:45		17	5:28	6:17	15:18	16:07				
	18	6:40	7:41	13:46	14:47		18	5:25	6:14	15:21	16:10				
	19	6:39	7:39	13:49	14:50		19	5:22	6:10	15:24	16:12				
	20	6:37	7:37	13:52	14:52		20	5:19	6:07	15:27	16:15				
	21	6:35	7:34	13:55	14:54		21	5:16	6:04	15:30	16:18				
	22	6:33	7:32	13:58	14:57		22	5:13	6:01	15:33	16:21				
	23	6:31	7:29	14:01	14:59		23	5:10	5:57	15:36	16:24				
	24	6:29	7:27	14:04	15:02		24	5:07	5:54	15:39	16:26				
	25	6:27	7:24	14:07	15:04		25	5:04	5:51	15:42	16:29				
	26	6:25	7:22	14:10	15:07		26	5:01	5:48	15:45	16:32				
	27	6:23	7:19	14:13	15:10		27	4:58	5:44	15:48	16:35				
	28	6:21	7:16	14:16	15:12		28	4:55	5:41	15:51	16:38				
	29	6:18	7:14	14:20	15:15										
	30	6:16	7:11	14:23	15:17										
	31	6:14	7:08	14:26	15:20										
MAR	1	4:52	5:38	15:54	16:40	APR	1	3:05	3:53	17:22	18:10				
	2	4:48	5:34	15:57	16:43		2	3:02	3:50	17:25	18:13				
	3	4:45	5:31	16:00	16:46		3	2:58	3:46	17:28	18:16				
	4	4:42	5:28	16:03	16:49		4	2:54	3:43	17:31	18:19				
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	7	4:32	5:18	16:11	16:57		7	2:43	3:33	17:39	18:29				
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	16	4:02	4:48	16:37	17:23		16	2:09	3:02	18:05	18:59				
	17	3:58	4:44	16:40	17:26		17	2:06	2:59	18:08	19:02				
	18	3:55	4:41	16:43	17:29		18	2:02	2:56	18:11	19:05				
	19	3:52	4:37	16:46	17:32		19	1:58	2:52	18:14	19:09				
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	24	3:34	4:20	17:00	17:46		24	1:38	2:36	18:28	19:27				
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	30	3:13	4:00	17:17	18:04		30	1:13	2:16	18:46	19:50				
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MAY	1	1:09	2:13	18:49	19:54	JUN	1	-	0:46	20:17	-				
	2	1:05	2:10	18:52	19:58		2	-	0:44	20:20	-				
	3	1:01	2:06	18:55	20:02		3	-	0:42	20:22	-				
	4	0:56	2:03	18:58	20:06		4	-	0:40	20:24	-				
	5	0:52	2:00	19:01	20:11		5	-	0:38	20:26	-				
	6	0:48	1:57	19:04	20:15		6	-	0:36	20:28	-				
	7	0:43	1:54	19:07	20:19		7	-	0:35	20:30	-				
	8	0:39	1:51	19:10	20:24		8	-	0:33	20:32	-				
	9	0:34	1:48	19:13	20:29		9	-	0:32	20:34	-				
	10	0:29	1:45	19:16	20:33		10	-	0:31	20:35	-				
	11	0:25	1:42	19:19	20:38		11	-	0:29	20:37	-				
	12	0:20	1:39	19:22	20:43		12	-	0:28	20:38	-				
	13	0:15	1:36	19:25	20:48		13	-	0:27	20:40	-				
	14	0:10	1:33	19:28	20:53		14	-	0:27	20:41	-				
	15	0:04	1:30	19:31	20:59		15	-	0:26	20:42	-				
	16	23:53	1:27	19:34	21:05		16	-	0:25	20:43	-				
	17	23:48	1:24	19:37	21:10		17	-	0:25	20:43	-				
	18	23:41	1:21	19:40	21:17		18	-	0:25	20:44	-				
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	20	23:28	1:15	19:46	21:31		20	-	0:24	20:45	-				
	21	23:20	1:13	19:48	21:39		21	-	0:24	20:45	-				
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	25	-	1:02	20:00	-		25	-	0:26	20:44	-				
	26	-	1:00	20:02	-		26	-	0:27	20:44	-				
	27	-	0:57	20:05	-		27	-	0:28	20:43	-				
	28	-	0:55	20:08	-		28	-	0:29	20:42	-				
	29	-	0:52	20:10	-		29	-							

VAASA - EFVA

Month 1	Day 2	TWIL 3	FM 4	SR 5	SS 6	TWIL 7	TO 8	Month 1	Day 2	TWIL 3	FM 4	SR 5	SS 6	TWIL 7	TO 8
JUL	1	-	0:33	20:39	-	-	-	AUG	1	0:32	1:50	19:26	20:43	-	-
	2	-	0:35	20:38	-	-	-		2	0:36	1:53	19:23	20:38	-	-
	3	-	0:36	20:37	-	-	-		3	0:41	1:56	19:20	20:33	-	-
	4	-	0:38	20:35	-	-	-		4	0:45	1:59	19:17	20:29	-	-
	5	-	0:40	20:34	-	-	-		5	0:50	2:02	19:14	20:24	-	-
	6	-	0:42	20:32	-	-	-		6	0:54	2:05	19:11	20:20	-	-
	7	-	0:44	20:30	-	-	-		7	0:58	2:08	19:08	20:15	-	-
	8	-	0:46	20:28	-	-	-		8	1:03	2:11	19:04	20:11	-	-
	9	-	0:48	20:27	-	-	-		9	1:07	2:14	19:01	20:07	-	-
	10	-	0:50	20:25	-	-	-		10	1:11	2:16	18:58	20:03	-	-
	11	-	0:53	20:22	-	-	-		11	1:15	2:19	18:55	19:58	-	-
	12	-	0:55	20:20	-	-	-		12	1:19	2:22	18:52	19:54	-	-
	13	-	0:58	20:18	-	-	-		13	1:23	2:25	18:48	19:50	-	-
	14	-	1:00	20:16	-	-	-		14	1:26	2:28	18:45	19:46	-	-
	15	-	1:03	20:13	-	-	-		15	1:30	2:31	18:42	19:42	-	-
	16	-	1:05	20:11	-	-	-		16	1:34	2:34	18:38	19:38	-	-
	17	-	1:08	20:08	-	-	-		17	1:37	2:37	18:35	19:34	-	-
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	24	23:54	1:27	19:50	21:25	-	-		24	2:02	2:57	18:12	19:06	-	-
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SEP	1	2:28	3:19	17:45	18:35	-	-	OCT	1	3:55	4:41	16:03	16:48	-	-
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NOV	1	5:19	6:10	14:22	15:13	-	-	DEC	1	6:32	7:38	13:06	14:11	-	-
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