

Orbcomm View Satellite Pass Times
 All Passes of All Satellites in Chronological Order
 Observer: Fukuoka, Japan Time zone: UTC +9 Mask Elev: 5-

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A2 (06)	17/07/28	08:55:17	09:08:22	00:13:04	11:52:11	237-	86-	57-	2615
D3 (31)	17/07/28	08:55:59	09:08:28	00:00:05	-----	308-	34-	89-	92064
B7 (19)	17/07/28	08:56:27	09:05:03	00:03:02	-----	172-	12-	89-	99069
A1 (05)	17/07/28	09:03:24	09:16:25	00:11:22	-----	240-	79-	56-	2524
S2 (113)	17/07/28	09:06:44	09:17:08	00:00:42	-----	190-	22-	73-	16347
B8 (20)	17/07/28	09:12:16	09:22:14	00:05:06	-----	182-	16-	81-	99080
D4 (32)	17/07/28	09:13:45	09:26:29	00:04:14	-----	308-	40-	97-	92151
D2 (30)	17/07/28	09:16:03	09:28:34	00:02:05	-----	308-	35-	91-	92152
A3 (07)	17/07/28	09:19:34	09:32:31	00:03:57	-----	246-	65-	54-	2616
B4 (16)	17/07/28	09:25:12	09:35:42	00:03:11	-----	186-	19-	78-	99069
S3 (112)	17/07/28	09:32:19	09:43:49	00:08:07	-----	204-	34-	66-	16342
A4 (08)	17/07/28	09:34:56	09:47:45	00:03:55	-----	254-	52-	53-	2616
B3 (15)	17/07/28	09:38:40	09:49:54	00:02:09	-----	193-	23-	74-	99069
D6 (34)	17/07/28	09:40:06	09:52:46	00:02:51	-----	308-	38-	94-	92155
A8 (12)	17/07/28	09:46:14	09:58:56	00:06:09	-----	258-	46-	53-	2597
B2 (14)	17/07/28	09:54:05	10:06:04	00:07:07	-----	201-	30-	70-	99069
S4 (119)	17/07/28	09:57:49	10:09:55	00:03:51	-----	216-	52-	60-	16259
D7 (35)	17/07/28	09:58:29	10:11:20	00:01:24	-----	308-	44-	100-	92152
A5 (09)	17/07/28	09:59:22	10:11:54	00:00:34	-----	262-	42-	52-	2616
B1 (13)	17/07/28	10:09:54	10:22:21	00:10:26	-----	208-	37-	67-	98982
A7 (11)	17/07/28	10:11:32	10:23:55	00:01:33	-----	267-	37-	52-	2616
D8 (36)	17/07/28	10:19:14	10:32:23	00:08:27	-----	307-	58-	110-	92108
S1 (116)	17/07/28	10:23:31	10:35:54	00:03:31	-----	229-	83-	55-	16260
B6 (18)	17/07/28	10:24:37	10:37:37	00:01:42	-----	220-	55-	62-	99070
A6 (10)	17/07/28	10:25:13	10:37:27	00:00:01	-----	271-	34-	52-	20118
B7 (19)	17/07/28	10:39:07	10:52:17	00:13:10	00:01:40	226-	67-	60-	99070
A2 (06)	17/07/28	10:41:30	10:53:32	00:01:14	-----	277-	30-	53-	2616
D3 (31)	17/07/28	10:41:37	10:54:49	00:01:17	-----	301-	77-	130-	92065
S2 (113)	17/07/28	10:49:10	11:01:32	00:06:42	-----	241-	69-	51-	16348
A1 (05)	17/07/28	10:49:41	11:01:36	00:00:04	-----	279-	29-	53-	2525
B8 (20)	17/07/28	10:55:41	11:08:56	00:07:19	-----	233-	83-	58-	99081
D4 (32)	17/07/28	10:59:26	11:12:27	00:03:31	-----	298-	57-	139-	92152
D2 (30)	17/07/28	11:01:40	11:14:52	00:02:24	-----	301-	74-	131-	92153
A3 (07)	17/07/28	11:06:03	11:17:46	00:02:54	-----	284-	27-	54-	2617
B4 (16)	17/07/28	11:08:57	11:22:13	00:04:26	-----	236-	89-	57-	99070
S3 (112)	17/07/28	11:15:40	11:27:48	00:05:34	-----	252-	48-	48-	16343
A4 (08)	17/07/28	11:21:36	11:33:08	00:05:20	-----	290-	25-	56-	2617
B3 (15)	17/07/28	11:22:54	11:36:10	00:03:01	-----	241-	77-	56-	99070
D6 (34)	17/07/28	11:25:44	11:38:52	00:02:42	-----	299-	64-	136-	92156
A8 (12)	17/07/28	11:32:58	11:44:24	00:05:32	-----	293-	24-	57-	2598
B2 (14)	17/07/28	11:38:52	11:52:03	00:07:39	-----	247-	63-	54-	99070
S4 (119)	17/07/28	11:41:54	11:53:40	00:01:36	-----	263-	36-	46-	16260
D7 (35)	17/07/28	11:44:10	11:57:04	00:03:23	-----	297-	50-	142-	92153
A5 (09)	17/07/28	11:46:07	11:57:29	00:00:25	-----	295-	24-	59-	2617
B1 (13)	17/07/28	11:55:06	12:08:11	00:10:42	-----	253-	54-	54-	98983
A7 (11)	17/07/28	11:58:18	12:09:38	00:01:26	-----	298-	23-	61-	2617
D8 (36)	17/07/28	12:05:08	12:17:24	00:07:45	-----	291-	33-	155-	92109
S1 (116)	17/07/28	12:08:17	12:19:33	00:02:09	-----	274-	27-	45-	16261

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B6 (18)	17/07/28	12:10:29	12:23:17	00:03:44	-----	263-	42-	53-	99071
A6 (10)	17/07/28	12:11:57	12:23:18	00:00:00	-----	300-	23-	63-	20119
B7 (19)	17/07/28	12:25:17	12:37:55	00:12:38	00:01:59	268-	37-	52-	99071
A2 (06)	17/07/28	12:28:09	12:39:36	00:01:40	-----	303-	24-	67-	2617
D3 (31)	17/07/28	12:28:30	12:37:58	00:01:03	-----	274-	15-	183-	92066
S2 (113)	17/07/28	12:34:24	12:45:11	00:07:13	-----	283-	23-	46-	16349
A1 (05)	17/07/28	12:36:17	12:47:46	00:02:34	-----	304-	24-	69-	2526
B8 (20)	17/07/28	12:42:09	12:54:34	00:06:48	-----	273-	33-	53-	99082
D4 (32)	17/07/28	12:47:13	12:54:28	00:00:05	-----	263-	10-	198-	92153
D2 (30)	17/07/28	12:48:40	12:57:52	00:03:23	-----	273-	14-	185-	92154
A3 (07)	17/07/28	12:52:31	13:04:06	00:06:14	-----	306-	26-	74-	2618
B4 (16)	17/07/28	12:55:32	13:07:52	00:03:45	-----	276-	31-	53-	99071
S3 (112)	17/07/28	13:01:15	13:11:35	00:03:43	-----	292-	20-	47-	16344
A4 (08)	17/07/28	13:07:52	13:19:39	00:08:03	-----	307-	28-	79-	2618
B3 (15)	17/07/28	13:09:41	13:21:50	00:02:11	-----	280-	29-	54-	99071
D6 (34)	17/07/28	13:13:07	13:21:18	00:00:03	-----	268-	11-	193-	92157
A8 (12)	17/07/28	13:19:06	13:31:00	00:09:42	-----	308-	29-	82-	2599
B2 (14)	17/07/28	13:25:51	13:37:49	00:06:48	-----	285-	27-	55-	99071
S4 (119)	17/07/28	13:27:40	13:37:42	00:00:07	-----	300-	18-	50-	16261
A5 (09)	17/07/28	13:32:07	13:44:10	00:06:28	-----	308-	31-	86-	2618
D7 (35)	17/07/28	13:32:29	13:38:21	00:05:04	-----	256-	8-	207-	92154
B1 (13)	17/07/28	13:42:12	13:54:04	00:11:51	00:03:51	289-	26-	56-	98984
A7 (11)	17/07/28	13:44:09	13:56:22	00:02:18	-----	309-	34-	91-	2618
S1 (116)	17/07/28	13:54:03	14:03:57	00:07:34	-----	307-	17-	54-	16262
A6 (10)	17/07/28	13:57:40	14:10:03	00:06:06	-----	309-	38-	94-	20120
B6 (18)	17/07/28	13:57:42	14:09:24	00:00:03	-----	295-	24-	60-	99072
C3 (23)	17/07/28	14:09:07	14:12:43	00:03:18	-----	145-	6-	114-	98428
T2 (110)	17/07/28	14:09:48	14:12:21	00:00:02	-----	136-	6-	111-	16226
B7 (19)	17/07/28	14:12:30	14:24:11	00:11:40	00:00:09	298-	24-	63-	99072
A2 (06)	17/07/28	14:13:42	14:26:19	00:02:08	-----	308-	44-	101-	2618
S2 (113)	17/07/28	14:20:00	14:29:58	00:03:39	-----	311-	18-	60-	16350
C1 (21)	17/07/28	14:20:12	14:27:02	00:02:05	-----	158-	9-	97-	98386
A1 (05)	17/07/28	14:21:45	14:34:28	00:07:25	-----	308-	48-	104-	2527
B8 (20)	17/07/28	14:29:19	14:41:00	00:06:32	-----	301-	24-	66-	99083
A3 (07)	17/07/28	14:37:51	14:50:42	00:09:42	-----	307-	57-	110-	2619
T4 (114)	17/07/28	14:40:14	14:48:41	00:02:00	-----	171-	13-	84-	16229
B4 (16)	17/07/28	14:42:40	14:54:23	00:05:42	-----	302-	25-	68-	99072
C7 (27)	17/07/28	14:42:43	14:52:00	00:02:02	-----	174-	14-	85-	98425
S3 (112)	17/07/28	14:46:31	14:56:47	00:04:47	-----	314-	19-	68-	16345
A4 (08)	17/07/28	14:53:05	15:06:01	00:09:14	-----	305-	71-	117-	2619
B3 (15)	17/07/28	14:56:43	15:08:31	00:02:29	-----	304-	25-	71-	99072
A8 (12)	17/07/28	15:04:16	15:17:15	00:08:44	-----	304-	81-	121-	2600
S4 (119)	17/07/28	15:12:33	15:23:13	00:05:57	-----	315-	22-	76-	16262
B2 (14)	17/07/28	15:12:44	15:24:41	00:01:27	-----	306-	27-	75-	99072
T1 (118)	17/07/28	15:14:04	15:24:59	00:00:18	-----	195-	26-	70-	16143
A5 (09)	17/07/28	15:17:16	15:30:15	00:05:15	-----	303-	88-	126-	2619
B1 (13)	17/07/28	15:28:56	15:41:04	00:10:49	-----	307-	28-	79-	98985
A7 (11)	17/07/28	15:29:17	15:42:12	00:01:08	-----	301-	73-	131-	2619
S1 (116)	17/07/28	15:38:30	15:49:41	00:07:29	-----	315-	27-	86-	16263
A6 (10)	17/07/28	15:42:50	15:55:39	00:05:58	-----	299-	63-	136-	20121

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B6 (18)	17/07/28	15:44:08	15:56:35	00:00:55	-----	308-	33-	88-	99073
T2 (110)	17/07/28	15:48:01	16:00:00	00:03:24	-----	213-	47-	61-	16227
C3 (23)	17/07/28	15:49:16	16:02:00	00:02:01	-----	213-	44-	65-	98429
B7 (19)	17/07/28	15:58:47	16:11:24	00:09:23	-----	308-	36-	92-	99073
A2 (06)	17/07/28	15:58:56	16:11:32	00:00:08	-----	296-	48-	143-	2619
C1 (21)	17/07/28	16:01:57	16:14:57	00:03:25	-----	220-	55-	62-	98387
S2 (113)	17/07/28	16:04:06	16:15:45	00:00:47	-----	314-	34-	96-	16351
A1 (05)	17/07/28	16:07:02	16:19:29	00:03:43	-----	294-	43-	147-	2528
T3 (105)	17/07/28	16:07:48	16:16:48	00:02:04	-----	172-	14-	82-	15392
B8 (20)	17/07/28	16:15:25	16:28:13	00:11:24	-----	308-	41-	98-	99084
T4 (114)	17/07/28	16:21:27	16:33:49	00:05:36	-----	229-	81-	55-	16230
A3 (07)	17/07/28	16:23:16	16:35:18	00:01:28	-----	291-	33-	155-	2620
C7 (27)	17/07/28	16:25:45	16:38:58	00:03:40	-----	229-	74-	59-	98426
B4 (16)	17/07/28	16:28:41	16:41:36	00:02:37	-----	308-	44-	101-	99073
S3 (112)	17/07/28	16:30:21	16:42:25	00:00:48	-----	313-	45-	107-	16346
G2 (04)	17/07/28	16:37:25	16:48:52	00:06:27	-----	39-	33-	177-	1231
A4 (08)	17/07/28	16:38:46	16:50:00	00:01:07	-----	285-	24-	165-	2620
B3 (15)	17/07/28	16:42:37	16:55:40	00:05:40	-----	307-	50-	105-	99073
A8 (12)	17/07/28	16:50:09	17:00:50	00:05:09	-----	282-	21-	170-	2601
S4 (119)	17/07/28	16:56:14	17:08:32	00:07:42	-----	310-	63-	117-	16263
T1 (118)	17/07/28	16:56:54	17:09:10	00:00:38	-----	245-	59-	50-	16144
B2 (14)	17/07/28	16:58:31	17:11:42	00:02:31	-----	306-	61-	112-	99073
A5 (09)	17/07/28	17:03:24	17:13:24	00:01:42	-----	278-	17-	177-	2620
B1 (13)	17/07/28	17:14:38	17:27:55	00:13:16	00:01:14	305-	72-	117-	98986
A7 (11)	17/07/28	17:15:49	17:24:44	00:03:01	-----	272-	13-	186-	2620
S1 (116)	17/07/28	17:22:08	17:34:30	00:09:46	-----	306-	86-	129-	16264
B6 (18)	17/07/28	17:29:45	17:43:03	00:08:32	-----	302-	83-	127-	99074
A6 (10)	17/07/28	17:29:49	17:37:35	00:05:02	-----	266-	11-	194-	20122
T2 (110)	17/07/28	17:31:55	17:43:46	00:06:11	-----	260-	38-	47-	16228
C3 (23)	17/07/28	17:34:46	17:47:46	00:04:00	-----	257-	48-	53-	98430
B7 (19)	17/07/28	17:44:24	17:57:36	00:09:50	-----	300-	69-	133-	99074
A2 (06)	17/07/28	17:47:02	17:52:04	00:05:03	-----	253-	7-	211-	2620
S2 (113)	17/07/28	17:47:48	17:59:59	00:07:54	-----	301-	57-	141-	16352
C1 (21)	17/07/28	17:47:49	18:00:37	00:00:38	-----	263-	42-	53-	98388
T3 (105)	17/07/28	17:49:56	18:02:44	00:02:06	-----	229-	82-	55-	15393
B8 (20)	17/07/28	18:01:05	18:14:05	00:11:21	-----	298-	55-	140-	99085
T4 (114)	17/07/28	18:06:11	18:17:27	00:03:22	-----	273-	28-	45-	16231
C7 (27)	17/07/28	18:12:03	18:24:35	00:07:08	-----	270-	35-	53-	98427
S3 (112)	17/07/28	18:14:16	18:25:55	00:01:19	-----	295-	37-	153-	16347
B4 (16)	17/07/28	18:14:23	18:27:18	00:01:23	-----	296-	49-	143-	99074
G2 (04)	17/07/28	18:15:57	18:27:00	00:00:01	-----	7-	28-	238-	1232
B3 (15)	17/07/28	18:28:24	18:41:03	00:12:38	00:01:25	294-	41-	149-	99074
S4 (119)	17/07/28	18:40:30	18:51:13	00:10:10	-----	288-	24-	167-	16264
T1 (118)	17/07/28	18:42:18	18:52:53	00:01:39	-----	287-	21-	46-	16145
B2 (14)	17/07/28	18:44:28	18:56:36	00:03:43	-----	290-	31-	156-	99074
B1 (13)	17/07/28	19:00:47	19:12:24	00:11:36	00:04:11	286-	25-	164-	98987
S1 (116)	17/07/28	19:07:07	19:15:57	00:03:32	-----	276-	14-	185-	16265
B6 (18)	17/07/28	19:16:27	19:26:31	00:10:03	00:00:30	277-	17-	178-	99075
T2 (110)	17/07/28	19:17:39	19:27:45	00:01:14	-----	298-	18-	49-	16229
C3 (23)	17/07/28	19:21:57	19:33:44	00:06:00	-----	292-	25-	58-	98431

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B7 (19)	17/07/28	19:31:33	19:40:23	00:06:38	-----	271-	13-	188-	99075
S2 (113)	17/07/28	19:34:02	19:39:46	00:00:03	-----	259-	8-	208-	16353
C1 (21)	17/07/28	19:35:02	19:46:44	00:06:58	-----	295-	24-	60-	98389
T3 (105)	17/07/28	19:35:32	19:47:15	00:00:30	-----	273-	29-	46-	15394
B8 (20)	17/07/28	19:48:59	19:55:52	00:06:53	00:01:43	262-	9-	200-	99086
T4 (114)	17/07/28	19:51:57	20:01:50	00:05:57	-----	306-	17-	54-	16232
C7 (27)	17/07/28	19:59:16	20:10:56	00:09:06	-----	300-	24-	64-	98428
B4 (16)	17/07/28	20:02:47	20:08:28	00:02:02	-----	256-	8-	208-	99075
K3 (103)	17/07/28	20:11:11	20:15:57	00:04:46	00:02:42	153-	7-	102-	15258
T1 (118)	17/07/28	20:27:46	20:37:50	00:10:04	00:11:48	312-	18-	63-	16146
K9 (109)	17/07/28	20:35:50	20:44:44	00:06:53	-----	176-	14-	83-	15258
K4 (104)	17/07/28	20:52:40	21:01:47	00:09:06	00:07:56	178-	15-	80-	15430
K7 (107)	17/07/28	20:59:55	21:10:24	00:08:36	-----	188-	22-	72-	15258
T2 (110)	17/07/28	21:02:38	21:13:12	00:02:47	-----	315-	21-	74-	16230
C3 (23)	17/07/28	21:08:35	21:20:50	00:07:38	-----	307-	30-	83-	98432
C1 (21)	17/07/28	21:21:28	21:33:54	00:12:26	00:00:38	308-	33-	88-	98390
T3 (105)	17/07/28	21:22:08	21:32:33	00:01:02	-----	306-	18-	56-	15395
K6 (106)	17/07/28	21:24:09	21:35:39	00:03:05	-----	203-	34-	65-	16157
T4 (114)	17/07/28	21:36:25	21:47:34	00:11:08	00:00:45	315-	26-	86-	16233
C7 (27)	17/07/28	21:45:28	21:58:10	00:10:36	-----	308-	39-	95-	98429
K3 (103)	17/07/28	21:50:27	22:02:34	00:04:23	-----	217-	53-	60-	15259
T1 (118)	17/07/28	22:11:44	22:23:35	00:11:50	00:09:10	314-	38-	100-	16147
K9 (109)	17/07/28	22:17:18	22:29:41	00:06:05	-----	231-	87-	54-	15259
K4 (104)	17/07/28	22:34:26	22:46:43	00:12:17	00:04:44	233-	88-	54-	15431
K7 (107)	17/07/28	22:42:25	22:54:45	00:08:01	-----	241-	67-	51-	15259
T2 (110)	17/07/28	22:46:20	22:58:37	00:03:51	-----	311-	58-	115-	16231
C3 (23)	17/07/28	22:54:15	23:07:33	00:08:56	-----	304-	81-	121-	98433
C1 (21)	17/07/28	23:07:06	23:20:23	00:12:49	-----	302-	84-	127-	98391
T3 (105)	17/07/28	23:07:27	23:19:10	00:01:01	-----	315-	28-	88-	15396
K6 (106)	17/07/28	23:07:31	23:19:37	00:00:26	-----	252-	47-	48-	16158
T4 (114)	17/07/28	23:20:03	23:32:25	00:12:21	00:00:25	306-	88-	129-	16234
C7 (27)	17/07/28	23:31:06	23:44:14	00:11:49	-----	299-	63-	136-	98430
K3 (103)	17/07/28	23:34:34	23:46:18	00:02:03	-----	263-	35-	46-	15260
T1 (118)	17/07/28	23:55:31	00:07:32	00:12:01	00:09:13	299-	48-	146-	16148
K9 (109)	17/07/29	00:02:08	00:13:19	00:05:46	-----	275-	27-	45-	15260
K4 (104)	17/07/29	00:19:26	00:30:27	00:11:00	00:06:07	277-	26-	45-	15432
K7 (107)	17/07/29	00:27:41	00:38:25	00:07:57	-----	284-	22-	45-	15260
T2 (110)	17/07/29	00:30:30	00:41:30	00:03:04	-----	290-	27-	163-	16232
C3 (23)	17/07/29	00:40:36	00:51:39	00:10:09	-----	283-	21-	169-	98434
T3 (105)	17/07/29	00:51:58	01:04:47	00:12:49	00:00:18	305-	83-	131-	15397
K6 (106)	17/07/29	00:53:07	01:03:25	00:01:02	-----	293-	20-	47-	16159
C1 (21)	17/07/29	00:53:47	01:03:52	00:00:26	-----	277-	17-	178-	98392
T4 (114)	17/07/29	01:04:59	01:13:56	00:08:57	00:01:07	277-	15-	184-	16235
C7 (27)	17/07/29	01:18:32	01:26:35	00:08:03	00:04:35	267-	11-	192-	98431
K3 (103)	17/07/29	01:20:20	01:30:20	00:03:44	-----	300-	18-	50-	15261
D3 (31)	17/07/29	01:20:35	01:26:29	00:03:05	-----	157-	8-	105-	92074
D4 (32)	17/07/29	01:37:02	01:45:47	00:08:44	00:10:32	173-	13-	88-	92161
D2 (30)	17/07/29	01:40:20	01:46:46	00:00:59	-----	159-	8-	102-	92162
K9 (109)	17/07/29	01:47:53	01:57:45	00:09:52	00:01:07	307-	17-	55-	15261
D6 (34)	17/07/29	02:03:33	02:11:26	00:07:53	00:05:47	167-	11-	93-	92165

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K4 (104)	17/07/29	02:05:15	02:15:04	00:03:37	-----	308-	17-	56-	15433
K7 (107)	17/07/29	02:13:15	02:23:14	00:08:09	-----	311-	18-	61-	15261
G2 (04)	17/07/29	02:14:34	02:23:36	00:00:22	-----	97-	15-	8-	1237
D7 (35)	17/07/29	02:20:56	02:30:27	00:06:50	-----	178-	15-	84-	92162
T3 (105)	17/07/29	02:37:52	02:46:57	00:09:05	00:07:24	276-	14-	185-	15398
K6 (106)	17/07/29	02:38:22	02:48:37	00:01:39	-----	314-	19-	68-	16160
D8 (36)	17/07/29	02:40:35	02:51:53	00:03:16	-----	193-	23-	74-	92118
D3 (31)	17/07/29	03:01:52	03:14:46	00:12:54	00:09:58	217-	50-	63-	92075
K3 (103)	17/07/29	03:05:12	03:15:52	00:01:05	-----	315-	22-	76-	15262
D4 (32)	17/07/29	03:19:49	03:33:00	00:13:11	00:03:57	226-	69-	60-	92162
D2 (30)	17/07/29	03:21:54	03:34:50	00:01:50	-----	219-	53-	62-	92163
K9 (109)	17/07/29	03:32:17	03:43:31	00:08:40	-----	315-	27-	87-	15262
D6 (34)	17/07/29	03:45:51	03:58:56	00:13:05	00:02:19	223-	62-	61-	92166
K4 (104)	17/07/29	03:49:39	04:00:58	00:02:01	-----	315-	29-	89-	15434
G2 (04)	17/07/29	03:50:30	04:03:21	00:02:23	-----	159-	79-	334-	1238
K7 (107)	17/07/29	03:57:20	04:09:00	00:05:38	-----	314-	34-	97-	15262
D7 (35)	17/07/29	04:04:06	04:17:20	00:08:19	-----	230-	77-	59-	92163
K6 (106)	17/07/29	04:22:11	04:34:14	00:12:03	00:04:51	312-	45-	107-	16161
D8 (36)	17/07/29	04:24:51	04:38:07	00:03:52	-----	241-	76-	56-	92119
D3 (31)	17/07/29	04:47:36	05:00:27	00:12:51	00:09:28	261-	44-	53-	92076
K3 (103)	17/07/29	04:48:52	05:01:11	00:00:43	-----	310-	64-	118-	15263
D4 (32)	17/07/29	05:06:04	05:18:40	00:12:35	00:04:53	268-	37-	52-	92163
D2 (30)	17/07/29	05:07:43	05:20:31	00:01:50	-----	262-	42-	52-	92164
K9 (109)	17/07/29	05:15:55	05:28:16	00:07:45	-----	305-	82-	131-	15263
D6 (34)	17/07/29	05:31:53	05:44:34	00:12:40	00:03:37	266-	39-	52-	92167
G2 (04)	17/07/29	05:33:10	05:38:38	00:05:05	-----	232-	8-	287-	1239
K4 (104)	17/07/29	05:33:22	05:45:44	00:07:05	-----	304-	77-	133-	15435
K7 (107)	17/07/29	05:41:02	05:53:11	00:07:26	-----	301-	55-	142-	15263
D7 (35)	17/07/29	05:50:28	06:02:57	00:09:45	-----	271-	34-	52-	92164
A7 (11)	17/07/29	06:04:37	06:09:49	00:05:11	00:01:40	156-	7-	103-	2628
K6 (106)	17/07/29	06:06:07	06:17:45	00:07:56	-----	295-	36-	154-	16162
D8 (36)	17/07/29	06:11:39	06:23:48	00:06:03	-----	280-	29-	54-	92120
A6 (10)	17/07/29	06:17:02	06:24:09	00:00:20	-----	164-	10-	97-	20130
A2 (06)	17/07/29	06:31:55	06:41:01	00:09:05	00:07:46	176-	14-	86-	2628
K3 (103)	17/07/29	06:33:10	06:43:47	00:02:46	-----	287-	23-	168-	15264
D3 (31)	17/07/29	06:34:49	06:46:30	00:02:43	-----	294-	24-	59-	92077
A1 (05)	17/07/29	06:39:35	06:49:17	00:02:46	-----	181-	16-	82-	2537
D4 (32)	17/07/29	06:53:20	07:04:58	00:11:38	00:04:03	299-	24-	63-	92164
D2 (30)	17/07/29	06:54:56	07:06:35	00:01:37	-----	295-	24-	59-	92165
A3 (07)	17/07/29	06:55:02	07:05:47	00:00:04	-----	190-	21-	76-	2629
K9 (109)	17/07/29	07:01:01	07:09:32	00:03:44	-----	275-	13-	188-	15264
A4 (08)	17/07/29	07:09:40	07:21:20	00:11:40	00:00:07	198-	28-	70-	2629
K4 (104)	17/07/29	07:18:43	07:26:53	00:05:32	-----	272-	12-	191-	15436
D6 (34)	17/07/29	07:19:07	07:30:46	00:03:52	-----	297-	24-	61-	92168
A8 (12)	17/07/29	07:20:38	07:32:39	00:01:53	-----	204-	33-	68-	2610
K7 (107)	17/07/29	07:27:25	07:32:48	00:00:08	-----	257-	8-	210-	15264
A5 (09)	17/07/29	07:33:25	07:45:44	00:12:18	00:00:37	209-	39-	66-	2629
D7 (35)	17/07/29	07:37:40	07:49:18	00:03:34	-----	300-	24-	64-	92165
A7 (11)	17/07/29	07:45:12	07:57:50	00:08:31	-----	217-	49-	63-	2629
A6 (10)	17/07/29	07:58:36	08:11:24	00:12:48	00:00:45	221-	58-	62-	20131

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D8 (36)	17/07/29	07:58:42	08:10:30	00:00:05	-----	304-	25-	71-	92121
S2 (113)	17/07/29	08:11:33	08:19:11	00:07:38	00:01:03	167-	11-	91-	16361
A2 (06)	17/07/29	08:14:30	08:27:29	00:08:17	-----	229-	74-	59-	2629
D3 (31)	17/07/29	08:21:20	08:33:38	00:06:09	-----	308-	32-	86-	92078
A1 (05)	17/07/29	08:22:31	08:35:33	00:01:54	-----	232-	82-	58-	2538
B7 (19)	17/07/29	08:22:39	08:29:43	00:05:04	-----	163-	9-	98-	99083
S3 (112)	17/07/29	08:36:30	08:46:23	00:09:53	00:06:46	184-	19-	76-	16356
B8 (20)	17/07/29	08:38:10	08:47:07	00:00:43	-----	174-	13-	87-	99094
A3 (07)	17/07/29	08:38:38	08:51:40	00:04:32	-----	239-	81-	56-	2630
D4 (32)	17/07/29	08:39:38	08:52:13	00:00:33	-----	308-	37-	93-	92165
D2 (30)	17/07/29	08:41:24	08:53:45	00:01:31	-----	308-	32-	87-	92166
B4 (16)	17/07/29	08:51:04	09:00:39	00:06:53	-----	178-	15-	83-	99083
A4 (08)	17/07/29	08:53:55	09:06:53	00:06:14	-----	247-	64-	54-	2630
S4 (119)	17/07/29	09:01:37	09:12:46	00:05:52	-----	197-	29-	68-	16273
B3 (15)	17/07/29	09:04:25	09:14:56	00:02:10	-----	186-	19-	78-	99083
A8 (12)	17/07/29	09:05:12	09:18:05	00:03:08	-----	251-	57-	54-	2611
D6 (34)	17/07/29	09:05:28	09:17:58	00:00:06	-----	308-	35-	90-	92169
A5 (09)	17/07/29	09:18:18	09:31:03	00:12:45	00:00:19	255-	50-	53-	2630
B2 (14)	17/07/29	09:19:43	09:31:11	00:00:07	-----	195-	25-	73-	99083
D7 (35)	17/07/29	09:23:51	09:36:32	00:05:21	-----	308-	39-	96-	92166
S1 (116)	17/07/29	09:26:58	09:38:56	00:02:24	-----	212-	46-	61-	16274
A7 (11)	17/07/29	09:30:26	09:43:03	00:04:06	-----	260-	44-	52-	2630
B1 (13)	17/07/29	09:35:29	09:47:31	00:04:27	-----	200-	31-	69-	98996
A6 (10)	17/07/29	09:44:05	09:56:34	00:09:03	-----	264-	40-	52-	20132
D8 (36)	17/07/29	09:44:36	09:57:39	00:01:04	-----	307-	51-	106-	92122
B6 (18)	17/07/29	09:50:06	10:02:51	00:05:12	-----	213-	46-	64-	99084
S2 (113)	17/07/29	09:52:19	10:04:39	00:01:48	-----	225-	71-	56-	16362
A2 (06)	17/07/29	10:00:21	10:12:38	00:07:58	-----	271-	34-	52-	2630
B7 (19)	17/07/29	10:04:31	10:17:33	00:04:54	-----	221-	56-	62-	99084
D3 (31)	17/07/29	10:06:58	10:20:13	00:02:40	-----	303-	89-	125-	92079
A1 (05)	17/07/29	10:08:31	10:20:41	00:00:28	-----	273-	33-	52-	2539
S3 (112)	17/07/29	10:18:35	10:30:59	00:10:17	-----	237-	78-	52-	16357
B8 (20)	17/07/29	10:21:01	10:34:12	00:03:13	-----	227-	71-	60-	99095
A3 (07)	17/07/29	10:24:54	10:36:50	00:02:38	-----	279-	29-	53-	2631
D4 (32)	17/07/29	10:25:18	10:38:27	00:01:37	-----	300-	68-	134-	92166
D2 (30)	17/07/29	10:27:01	10:40:16	00:01:49	-----	303-	86-	126-	92167
B4 (16)	17/07/29	10:34:16	10:47:30	00:07:13	-----	230-	78-	59-	99084
A4 (08)	17/07/29	10:40:25	10:52:08	00:04:38	-----	285-	27-	54-	2631
S4 (119)	17/07/29	10:44:38	10:56:52	00:04:43	-----	248-	54-	49-	16274
B3 (15)	17/07/29	10:48:11	11:01:27	00:04:34	-----	236-	89-	57-	99084
D6 (34)	17/07/29	10:51:05	11:04:19	00:02:51	-----	301-	76-	130-	92170
A8 (12)	17/07/29	10:51:48	11:03:24	00:00:05	-----	288-	26-	55-	2612
B2 (14)	17/07/29	11:04:06	11:17:21	00:13:14	00:00:42	242-	73-	55-	99084
A5 (09)	17/07/29	11:04:59	11:16:27	00:00:05	-----	291-	25-	56-	2631
D7 (35)	17/07/29	11:09:29	11:22:33	00:06:05	-----	299-	61-	137-	92167
S1 (116)	17/07/29	11:10:51	11:22:44	00:00:10	-----	260-	38-	47-	16275
A7 (11)	17/07/29	11:17:11	11:28:35	00:05:50	-----	294-	24-	58-	2631
B1 (13)	17/07/29	11:20:18	11:33:29	00:04:54	-----	248-	62-	54-	98997
D8 (36)	17/07/29	11:30:24	11:43:00	00:09:30	-----	294-	40-	149-	92123
A6 (10)	17/07/29	11:30:51	11:42:13	00:00:04	-----	296-	24-	60-	20133

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B6 (18)	17/07/29	11:35:38	11:48:36	00:06:22	-----	258-	47-	53-	99085
S2 (113)	17/07/29	11:36:52	11:48:18	00:00:01	-----	270-	30-	46-	16363
A2 (06)	17/07/29	11:47:06	11:58:29	00:10:10	-----	300-	24-	63-	2631
B7 (19)	17/07/29	11:50:25	12:03:12	00:04:43	-----	263-	41-	53-	99085
D3 (31)	17/07/29	11:53:31	12:03:53	00:00:40	-----	279-	18-	175-	92080
A1 (05)	17/07/29	11:55:14	12:06:37	00:02:44	-----	301-	24-	65-	2540
S3 (112)	17/07/29	12:03:40	12:14:37	00:08:00	-----	280-	24-	45-	16358
B8 (20)	17/07/29	12:07:15	12:19:49	00:05:12	-----	269-	36-	53-	99096
A3 (07)	17/07/29	12:11:31	12:22:58	00:03:08	-----	304-	24-	69-	2632
D4 (32)	17/07/29	12:12:32	12:21:11	00:01:04	-----	270-	12-	188-	92167
D2 (30)	17/07/29	12:13:39	12:23:51	00:02:39	-----	278-	17-	177-	92168
B4 (16)	17/07/29	12:20:38	12:33:07	00:09:16	-----	271-	34-	53-	99085
A4 (08)	17/07/29	12:26:53	12:38:28	00:05:20	-----	306-	26-	74-	2632
S4 (119)	17/07/29	12:30:07	12:40:36	00:02:07	-----	289-	21-	46-	16275
B3 (15)	17/07/29	12:34:46	12:47:05	00:06:29	-----	276-	31-	53-	99085
D6 (34)	17/07/29	12:38:01	12:47:26	00:00:20	-----	274-	14-	184-	92171
A8 (12)	17/07/29	12:38:09	12:49:51	00:02:25	-----	307-	27-	77-	2613
B2 (14)	17/07/29	12:50:56	13:03:03	00:12:06	00:01:05	281-	29-	54-	99085
A5 (09)	17/07/29	12:51:12	13:03:00	00:00:02	-----	308-	28-	80-	2632
S1 (116)	17/07/29	12:56:36	13:06:42	00:03:41	-----	298-	18-	49-	16276
D7 (35)	17/07/29	12:57:02	13:04:47	00:01:05	-----	266-	11-	196-	92168
A7 (11)	17/07/29	13:03:15	13:15:13	00:10:26	-----	308-	30-	84-	2632
B1 (13)	17/07/29	13:07:18	13:19:16	00:04:02	-----	285-	27-	55-	98998
A6 (10)	17/07/29	13:16:47	13:28:55	00:09:39	-----	308-	33-	88-	20134
S2 (113)	17/07/29	13:22:39	13:32:34	00:03:39	-----	305-	18-	53-	16364
B6 (18)	17/07/29	13:22:49	13:34:35	00:02:00	-----	292-	25-	58-	99086
A2 (06)	17/07/29	13:32:50	13:45:14	00:10:38	-----	309-	37-	94-	2632
B7 (19)	17/07/29	13:37:38	13:49:20	00:04:06	-----	296-	24-	60-	99086
A1 (05)	17/07/29	13:40:52	13:53:22	00:04:02	-----	308-	40-	97-	2541
S3 (112)	17/07/29	13:49:20	13:59:16	00:05:53	-----	310-	18-	58-	16359
B8 (20)	17/07/29	13:54:27	14:06:07	00:06:50	-----	299-	24-	63-	99097
A3 (07)	17/07/29	13:57:00	14:09:40	00:03:33	-----	308-	46-	103-	2633
B4 (16)	17/07/29	14:07:49	14:19:30	00:09:49	-----	300-	24-	65-	99086
C7 (27)	17/07/29	14:08:49	14:16:49	00:02:04	-----	168-	11-	93-	98439
A4 (08)	17/07/29	14:12:13	14:25:03	00:08:14	-----	307-	57-	110-	2633
S4 (119)	17/07/29	14:15:30	14:25:39	00:00:36	-----	313-	19-	65-	16276
T1 (118)	17/07/29	14:18:36	14:27:17	00:01:38	-----	174-	14-	85-	16157
B3 (15)	17/07/29	14:21:54	14:33:37	00:06:20	-----	302-	25-	68-	99086
A8 (12)	17/07/29	14:23:25	14:36:20	00:02:42	-----	306-	65-	114-	2614
A5 (09)	17/07/29	14:36:24	14:49:21	00:12:57	00:00:04	305-	74-	118-	2633
B2 (14)	17/07/29	14:37:57	14:49:47	00:00:25	-----	304-	26-	72-	99086
S1 (116)	17/07/29	14:41:35	14:52:08	00:02:21	-----	315-	21-	74-	16277
A7 (11)	17/07/29	14:48:24	15:01:23	00:09:14	-----	303-	87-	124-	2633
T2 (110)	17/07/29	14:51:53	15:02:46	00:01:23	-----	193-	26-	70-	16241
B1 (13)	17/07/29	14:54:10	15:06:09	00:03:23	-----	306-	27-	76-	98999
A6 (10)	17/07/29	15:01:56	15:14:54	00:08:44	-----	302-	81-	128-	20135
S2 (113)	17/07/29	15:07:15	15:18:16	00:03:22	-----	316-	25-	83-	16365
B6 (18)	17/07/29	15:09:24	15:21:41	00:03:25	-----	308-	31-	84-	99087
C3 (23)	17/07/29	15:14:56	15:27:20	00:05:38	-----	206-	36-	67-	98443
A2 (06)	17/07/29	15:18:00	15:30:52	00:03:32	-----	299-	64-	135-	2633

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B7 (19)	17/07/29	15:24:03	15:36:31	00:05:39	-----	308-	33-	88-	99087
T3 (105)	17/07/29	15:24:05	15:30:07	00:06:02	-----	157-	8-	97-	15406
T4 (114)	17/07/29	15:24:54	15:36:50	00:06:42	-----	211-	45-	61-	16244
A1 (05)	17/07/29	15:26:03	15:38:50	00:02:00	-----	298-	57-	139-	2542
C1 (21)	17/07/29	15:27:27	15:40:12	00:01:21	-----	213-	45-	64-	98401
S3 (112)	17/07/29	15:33:33	15:45:03	00:04:51	-----	315-	31-	93-	16360
B8 (20)	17/07/29	15:40:42	15:53:20	00:08:16	-----	308-	37-	94-	99098
A3 (07)	17/07/29	15:42:16	15:54:45	00:01:24	-----	295-	44-	146-	2634
C7 (27)	17/07/29	15:51:10	16:04:16	00:09:31	-----	224-	62-	61-	98440
B4 (16)	17/07/29	15:53:59	16:06:44	00:02:27	-----	308-	40-	96-	99087
A4 (08)	17/07/29	15:57:39	16:09:35	00:02:51	-----	291-	33-	155-	2634
S4 (119)	17/07/29	15:59:26	16:11:21	00:01:45	-----	313-	40-	103-	16277
T1 (118)	17/07/29	15:59:58	16:12:20	00:00:58	-----	230-	84-	55-	16158
B3 (15)	17/07/29	16:07:55	16:20:50	00:08:30	-----	308-	45-	101-	99087
A8 (12)	17/07/29	16:08:59	16:20:34	00:00:01	-----	288-	28-	160-	2615
G2 (04)	17/07/29	16:09:58	16:19:10	00:01:02	-----	55-	16-	152-	1245
A5 (09)	17/07/29	16:22:08	16:33:13	00:11:05	00:02:58	285-	23-	166-	2634
B2 (14)	17/07/29	16:23:49	16:36:54	00:03:40	-----	307-	53-	107-	99087
S1 (116)	17/07/29	16:25:18	16:37:33	00:00:39	-----	311-	58-	114-	16278
A7 (11)	17/07/29	16:34:25	16:44:43	00:07:09	-----	280-	19-	174-	2634
T2 (110)	17/07/29	16:34:41	16:46:58	00:02:15	-----	245-	59-	50-	16242
B1 (13)	17/07/29	16:39:56	16:53:09	00:06:11	-----	306-	62-	112-	99000
A6 (10)	17/07/29	16:48:14	16:57:47	00:04:37	-----	276-	15-	181-	20136
S2 (113)	17/07/29	16:50:53	17:03:16	00:05:28	-----	307-	83-	125-	16366
B6 (18)	17/07/29	16:55:03	17:08:22	00:05:05	-----	304-	84-	122-	99088
C3 (23)	17/07/29	17:00:05	17:13:12	00:04:49	-----	252-	55-	54-	98444
T3 (105)	17/07/29	17:04:38	17:17:14	00:04:01	-----	218-	57-	59-	15407
A2 (06)	17/07/29	17:04:55	17:12:50	00:04:02	-----	267-	11-	192-	2634
T4 (114)	17/07/29	17:08:45	17:20:38	00:07:48	-----	259-	39-	47-	16245
B7 (19)	17/07/29	17:09:41	17:22:57	00:02:19	-----	302-	82-	128-	99088
C1 (21)	17/07/29	17:13:00	17:25:56	00:02:58	-----	258-	47-	53-	98402
A1 (05)	17/07/29	17:13:23	17:20:19	00:05:03	-----	262-	9-	200-	2543
S3 (112)	17/07/29	17:17:13	17:29:30	00:09:10	-----	303-	66-	137-	16361
B8 (20)	17/07/29	17:26:19	17:39:28	00:09:58	-----	300-	66-	135-	99099
A3 (07)	17/07/29	17:31:02	17:34:34	00:04:05	-----	250-	6-	215-	2635
C7 (27)	17/07/29	17:37:13	17:49:55	00:12:41	00:02:39	266-	39-	53-	98441
B4 (16)	17/07/29	17:39:37	17:52:43	00:02:48	-----	298-	59-	138-	99088
S4 (119)	17/07/29	17:43:15	17:55:08	00:02:25	-----	297-	43-	149-	16278
T1 (118)	17/07/29	17:44:44	17:55:58	00:00:49	-----	274-	27-	45-	16159
G2 (04)	17/07/29	17:47:13	17:59:18	00:03:20	-----	17-	56-	218-	1246
B3 (15)	17/07/29	17:53:37	18:06:31	00:07:13	-----	296-	49-	143-	99088
S1 (116)	17/07/29	18:09:28	18:20:28	00:11:00	00:02:56	290-	27-	163-	16279
B2 (14)	17/07/29	18:09:38	18:22:09	00:01:41	-----	293-	38-	151-	99088
T2 (110)	17/07/29	18:20:05	18:30:40	00:08:30	-----	287-	21-	46-	16243
B1 (13)	17/07/29	18:25:55	18:38:00	00:07:20	-----	289-	31-	157-	99001
S2 (113)	17/07/29	18:35:35	18:45:09	00:07:08	-----	281-	17-	178-	16367
B6 (18)	17/07/29	18:41:27	18:52:21	00:07:12	-----	282-	20-	171-	99089
C3 (23)	17/07/29	18:47:11	18:59:04	00:06:42	-----	288-	26-	56-	98445
T3 (105)	17/07/29	18:49:41	19:01:48	00:02:44	-----	264-	35-	47-	15408
T4 (114)	17/07/29	18:54:28	19:04:34	00:02:45	-----	298-	18-	48-	16246

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B7 (19)	17/07/29	18:56:25	19:06:19	00:01:44	-----	277-	16-	179-	99089
C1 (21)	17/07/29	19:00:10	19:11:55	00:05:36	-----	292-	25-	58-	98403
S3 (112)	17/07/29	19:02:54	19:09:59	00:01:05	-----	267-	10-	198-	16362
B8 (20)	17/07/29	19:13:36	19:22:02	00:08:26	00:03:37	269-	12-	190-	99100
C7 (27)	17/07/29	19:24:27	19:36:07	00:11:40	00:02:24	297-	24-	62-	98442
B4 (16)	17/07/29	19:27:14	19:34:53	00:01:01	-----	265-	10-	196-	99089
G2 (04)	17/07/29	19:28:24	19:33:00	00:01:05	-----	336-	7-	289-	1247
T1 (118)	17/07/29	19:30:30	19:40:23	00:07:23	-----	307-	17-	55-	16160
B3 (15)	17/07/29	19:42:03	19:47:40	00:05:37	00:01:39	255-	8-	208-	99089
K4 (104)	17/07/29	19:59:41	20:04:30	00:04:48	00:12:01	153-	7-	102-	15444
K7 (107)	17/07/29	20:04:40	20:12:30	00:07:49	00:00:10	168-	12-	89-	15272
T2 (110)	17/07/29	20:05:33	20:15:37	00:03:07	-----	312-	18-	63-	16244
K6 (106)	17/07/29	20:28:19	20:38:14	00:09:55	00:12:41	185-	19-	76-	16171
C3 (23)	17/07/29	20:33:57	20:46:03	00:07:49	-----	307-	28-	79-	98446
T3 (105)	17/07/29	20:36:18	20:46:48	00:00:44	-----	300-	19-	52-	15409
T4 (114)	17/07/29	20:39:29	20:50:00	00:03:11	-----	315-	21-	73-	16247
C1 (21)	17/07/29	20:46:45	20:59:01	00:09:01	-----	308-	30-	84-	98404
K3 (103)	17/07/29	20:54:13	21:05:24	00:06:22	-----	198-	29-	67-	15273
C7 (27)	17/07/29	21:10:47	21:23:19	00:12:32	00:05:22	308-	35-	91-	98443
T1 (118)	17/07/29	21:14:55	21:26:08	00:02:48	-----	315-	27-	87-	16161
K9 (109)	17/07/29	21:20:43	21:32:44	00:06:35	-----	214-	49-	60-	15273
K4 (104)	17/07/29	21:39:07	21:51:10	00:12:02	00:06:23	217-	54-	59-	15445
K7 (107)	17/07/29	21:45:33	21:57:53	00:06:42	-----	226-	74-	56-	15273
T2 (110)	17/07/29	21:49:32	22:01:22	00:03:29	-----	314-	38-	100-	16245
K6 (106)	17/07/29	22:10:26	22:22:48	00:12:22	00:09:03	237-	77-	52-	16172
C3 (23)	17/07/29	22:19:40	22:32:57	00:10:08	-----	305-	70-	116-	98447
T3 (105)	17/07/29	22:21:59	22:33:15	00:00:18	-----	315-	24-	79-	15410
T4 (114)	17/07/29	22:23:12	22:35:26	00:02:10	-----	311-	56-	114-	16248
C1 (21)	17/07/29	22:32:24	22:45:42	00:10:16	-----	304-	84-	122-	98405
K3 (103)	17/07/29	22:37:17	22:49:29	00:03:46	-----	248-	53-	49-	15274
C7 (27)	17/07/29	22:56:24	23:09:39	00:13:14	00:06:55	301-	75-	131-	98444
T1 (118)	17/07/29	22:58:33	23:10:56	00:01:17	-----	305-	85-	130-	16162
K9 (109)	17/07/29	23:04:42	23:16:30	00:05:33	-----	261-	37-	47-	15274
K4 (104)	17/07/29	23:23:22	23:34:59	00:11:36	00:06:51	264-	35-	46-	15446
K7 (107)	17/07/29	23:30:09	23:41:31	00:06:32	-----	271-	29-	45-	15274
T2 (110)	17/07/29	23:33:18	23:45:20	00:03:48	-----	299-	48-	146-	16246
K6 (106)	17/07/29	23:55:32	00:06:26	00:10:54	00:10:12	281-	24-	45-	16173
C3 (23)	17/07/30	00:05:48	00:17:27	00:11:00	-----	287-	26-	163-	98448
T3 (105)	17/07/30	00:06:31	00:19:19	00:01:52	-----	309-	71-	121-	15411
T4 (114)	17/07/30	00:07:21	00:18:24	00:00:05	-----	290-	27-	163-	16249
C1 (21)	17/07/30	00:18:47	00:29:42	00:10:54	00:00:23	282-	20-	171-	98406
K3 (103)	17/07/30	00:22:47	00:33:13	00:03:30	-----	290-	21-	46-	15275
C7 (27)	17/07/30	00:43:21	00:52:42	00:09:20	00:10:08	274-	14-	183-	98445
T1 (118)	17/07/30	00:43:34	00:52:19	00:00:02	-----	276-	14-	185-	16163
K9 (109)	17/07/30	00:50:27	01:00:29	00:08:10	-----	299-	18-	49-	15275
D4 (32)	17/07/30	01:03:45	01:11:07	00:07:21	00:03:16	164-	10-	97-	92175
K4 (104)	17/07/30	01:09:13	01:19:08	00:08:00	-----	301-	18-	50-	15447
K7 (107)	17/07/30	01:15:56	01:25:49	00:06:40	-----	305-	17-	53-	15275
D6 (34)	17/07/30	01:30:00	01:36:03	00:06:04	00:04:10	158-	8-	104-	92179
K6 (106)	17/07/30	01:41:11	01:51:06	00:09:54	00:05:08	310-	18-	58-	16174

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
D7 (35)	17/07/30	01:47:01	01:55:18	00:04:12	-----	170-	12-	91-	92176
G2 (04)	17/07/30	01:49:00	01:53:32	00:01:04	-----	67-	7-	27-	1251
T3 (105)	17/07/30	01:51:47	02:02:33	00:09:01	-----	286-	22-	170-	15412
D8 (36)	17/07/30	02:06:24	02:17:00	00:10:36	00:03:51	187-	19-	78-	92132
K3 (103)	17/07/30	02:08:09	02:18:17	00:01:16	-----	313-	19-	65-	15276
D3 (31)	17/07/30	02:27:25	02:40:03	00:12:38	00:09:08	211-	42-	65-	92089
K9 (109)	17/07/30	02:35:23	02:45:58	00:05:54	-----	315-	22-	75-	15276
D4 (32)	17/07/30	02:45:49	02:58:52	00:12:54	-----	221-	58-	62-	92176
D2 (30)	17/07/30	02:47:27	03:00:08	00:01:15	-----	212-	44-	64-	92177
K4 (104)	17/07/30	02:54:08	03:04:48	00:04:39	-----	316-	22-	77-	15448
K7 (107)	17/07/30	03:00:29	03:11:31	00:06:43	-----	316-	25-	83-	15276
D6 (34)	17/07/30	03:11:21	03:24:16	00:12:45	-----	218-	51-	63-	92180
G2 (04)	17/07/30	03:22:20	03:34:52	00:10:35	-----	139-	53-	344-	1252
K6 (106)	17/07/30	03:25:23	03:36:53	00:02:01	-----	315-	31-	93-	16175
D7 (35)	17/07/30	03:29:31	03:42:40	00:05:47	-----	225-	65-	60-	92177
D8 (36)	17/07/30	03:50:12	04:03:29	00:13:16	00:07:32	236-	88-	57-	92133
K3 (103)	17/07/30	03:52:04	04:04:00	00:00:29	-----	313-	41-	103-	15277
D3 (31)	17/07/30	04:12:50	04:25:50	00:13:00	00:08:51	256-	49-	53-	92090
K9 (109)	17/07/30	04:19:05	04:31:21	00:05:31	-----	310-	60-	116-	15277
D4 (32)	17/07/30	04:31:48	04:44:34	00:12:45	00:00:27	264-	40-	52-	92177
D2 (30)	17/07/30	04:32:56	04:45:53	00:01:19	-----	257-	48-	53-	92178
K4 (104)	17/07/30	04:37:53	04:50:12	00:04:19	-----	309-	66-	118-	15449
K7 (107)	17/07/30	04:44:07	04:56:29	00:06:16	-----	307-	85-	126-	15277
D6 (34)	17/07/30	04:57:07	05:09:57	00:12:50	00:00:37	261-	43-	53-	92181
G2 (04)	17/07/30	05:02:05	05:12:21	00:02:23	-----	201-	18-	309-	1253
K6 (106)	17/07/30	05:09:03	05:21:19	00:08:57	-----	303-	66-	137-	16176
D7 (35)	17/07/30	05:15:39	05:28:18	00:06:58	-----	267-	38-	52-	92178
K3 (103)	17/07/30	05:35:53	05:47:44	00:11:50	00:07:35	297-	42-	149-	15278
D8 (36)	17/07/30	05:36:50	05:49:08	00:01:23	-----	276-	31-	53-	92134
A2 (06)	17/07/30	05:52:17	05:59:16	00:06:58	00:03:09	163-	9-	98-	2642
A1 (05)	17/07/30	05:59:45	06:07:42	00:07:57	00:00:29	169-	11-	93-	2551
D3 (31)	17/07/30	06:00:00	06:11:45	00:04:02	-----	291-	25-	57-	92091
K9 (109)	17/07/30	06:03:18	06:14:07	00:02:22	-----	289-	25-	165-	15278
A3 (07)	17/07/30	06:14:57	06:24:28	00:09:31	00:00:49	179-	15-	83-	2643
D4 (32)	17/07/30	06:19:05	06:30:44	00:06:16	-----	296-	24-	61-	92178
D2 (30)	17/07/30	06:20:07	06:31:50	00:01:06	-----	292-	25-	58-	92179
K4 (104)	17/07/30	06:22:17	06:32:52	00:01:01	-----	287-	23-	169-	15450
K7 (107)	17/07/30	06:28:52	06:38:18	00:05:25	-----	280-	17-	180-	15278
A4 (08)	17/07/30	06:29:19	06:40:10	00:01:51	-----	191-	21-	76-	2643
A8 (12)	17/07/30	06:40:13	06:51:33	00:11:19	00:00:03	196-	25-	73-	2624
D6 (34)	17/07/30	06:44:20	06:56:01	00:04:27	-----	294-	24-	59-	92182
A5 (09)	17/07/30	06:52:56	07:04:41	00:08:40	-----	200-	30-	70-	2643
K6 (106)	17/07/30	06:54:46	07:01:44	00:02:05	-----	266-	10-	200-	16177
D7 (35)	17/07/30	07:02:53	07:14:31	00:11:37	00:01:08	298-	24-	62-	92179
A7 (11)	17/07/30	07:04:38	07:16:50	00:02:19	-----	207-	37-	67-	2643
A6 (10)	17/07/30	07:17:59	07:30:27	00:12:28	00:01:08	212-	43-	64-	20145
D8 (36)	17/07/30	07:23:57	07:35:41	00:05:13	-----	302-	25-	68-	92135
A2 (06)	17/07/30	07:33:46	07:46:35	00:10:54	-----	221-	57-	62-	2643
S3 (112)	17/07/30	07:41:41	07:48:08	00:01:33	-----	160-	9-	98-	16370
A1 (05)	17/07/30	07:41:44	07:54:38	00:06:29	-----	224-	64-	61-	2552

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
D3 (31)	17/07/30	07:46:40	07:58:49	00:04:10	-----	307-	29-	82-	92092
B7 (19)	17/07/30	07:49:15	07:53:59	00:04:04	-----	147-	7-	105-	99097
A3 (07)	17/07/30	07:57:47	08:10:48	00:13:00	00:03:48	231-	80-	58-	2644
B8 (20)	17/07/30	08:04:17	08:11:49	00:01:00	-----	165-	10-	96-	99108
D4 (32)	17/07/30	08:05:32	08:17:57	00:06:08	-----	308-	34-	89-	92179
S4 (119)	17/07/30	08:06:00	08:15:11	00:02:04	-----	178-	16-	81-	16287
D2 (30)	17/07/30	08:06:44	08:18:55	00:03:43	-----	308-	30-	83-	92180
A4 (08)	17/07/30	08:12:58	08:26:01	00:07:05	-----	239-	80-	56-	2644
B4 (16)	17/07/30	08:17:04	08:25:28	00:00:03	-----	170-	12-	91-	99097
A8 (12)	17/07/30	08:24:14	08:37:13	00:11:45	-----	243-	71-	55-	2625
B3 (15)	17/07/30	08:30:17	08:39:53	00:02:39	-----	179-	15-	83-	99097
D6 (34)	17/07/30	08:30:50	08:43:10	00:03:16	-----	308-	32-	86-	92183
S1 (116)	17/07/30	08:30:51	08:41:44	00:01:02	-----	193-	26-	70-	16288
A5 (09)	17/07/30	08:37:17	08:50:12	00:08:27	-----	248-	62-	54-	2644
B2 (14)	17/07/30	08:45:27	08:56:14	00:06:02	-----	188-	20-	77-	99097
D7 (35)	17/07/30	08:49:12	09:01:43	00:05:29	-----	308-	35-	91-	92180
A7 (11)	17/07/30	08:49:23	09:02:12	00:00:28	-----	253-	53-	53-	2644
S2 (113)	17/07/30	08:55:52	09:07:37	00:05:25	-----	207-	39-	63-	16376
B1 (13)	17/07/30	09:01:06	09:12:38	00:05:00	-----	196-	25-	72-	99010
A6 (10)	17/07/30	09:03:01	09:15:43	00:03:05	-----	257-	47-	53-	20146
D8 (36)	17/07/30	09:09:59	09:22:53	00:07:09	-----	308-	45-	101-	92136
B6 (18)	17/07/30	09:15:36	09:28:04	00:05:10	-----	207-	38-	66-	99098
A2 (06)	17/07/30	09:19:14	09:31:46	00:03:41	-----	264-	40-	52-	2644
S3 (112)	17/07/30	09:21:50	09:34:04	00:02:18	-----	221-	62-	58-	16371
A1 (05)	17/07/30	09:27:22	09:39:48	00:05:43	-----	267-	37-	52-	2553
B7 (19)	17/07/30	09:29:58	09:42:47	00:02:59	-----	215-	46-	64-	99098
D3 (31)	17/07/30	09:32:20	09:45:34	00:02:47	-----	304-	78-	120-	92093
A3 (07)	17/07/30	09:43:44	09:55:56	00:10:21	-----	272-	33-	52-	2645
B8 (20)	17/07/30	09:46:23	09:59:27	00:03:30	-----	222-	59-	61-	99109
S4 (119)	17/07/30	09:47:38	10:00:02	00:00:35	-----	232-	89-	54-	16288
D4 (32)	17/07/30	09:51:11	10:04:25	00:04:22	-----	302-	80-	129-	92180
D2 (30)	17/07/30	09:52:23	10:05:39	00:01:13	-----	304-	81-	121-	92181
A4 (08)	17/07/30	09:59:14	10:11:11	00:05:32	-----	279-	29-	53-	2645
B4 (16)	17/07/30	09:59:37	10:12:46	00:01:34	-----	225-	66-	60-	99098
A8 (12)	17/07/30	10:10:38	10:22:26	00:09:40	-----	282-	28-	53-	2626
B3 (15)	17/07/30	10:13:30	10:26:44	00:04:17	-----	231-	78-	59-	99098
S1 (116)	17/07/30	10:13:39	10:25:56	00:00:04	-----	245-	60-	50-	16289
D6 (34)	17/07/30	10:16:28	10:29:44	00:03:47	-----	303-	89-	125-	92184
A5 (09)	17/07/30	10:23:49	10:35:28	00:05:44	-----	285-	26-	54-	2645
B2 (14)	17/07/30	10:29:23	10:42:39	00:07:10	-----	237-	85-	57-	99098
D7 (35)	17/07/30	10:34:49	10:48:00	00:05:20	-----	301-	72-	132-	92181
A7 (11)	17/07/30	10:36:02	10:47:34	00:00:02	-----	289-	25-	56-	2645
S2 (113)	17/07/30	10:39:29	10:51:30	00:03:56	-----	256-	43-	48-	16377
B1 (13)	17/07/30	10:45:32	10:58:47	00:07:17	-----	243-	72-	55-	99011
A6 (10)	17/07/30	10:49:44	11:01:11	00:02:23	-----	292-	24-	57-	20147
D8 (36)	17/07/30	10:55:41	11:08:34	00:07:22	-----	296-	49-	143-	92137
B6 (18)	17/07/30	11:00:49	11:13:54	00:05:20	-----	253-	53-	53-	99099
A2 (06)	17/07/30	11:06:00	11:17:24	00:03:30	-----	296-	24-	60-	2645
S3 (112)	17/07/30	11:06:10	11:17:46	00:00:21	-----	267-	32-	46-	16372
A1 (05)	17/07/30	11:14:08	11:25:31	00:07:45	-----	298-	24-	61-	2554

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
B7 (19)	17/07/30	11:15:34	11:28:30	00:03:00	-----	259-	46-	53-	99099
D3 (31)	17/07/30	11:18:37	11:29:44	00:01:13	-----	284-	22-	168-	92094
A3 (07)	17/07/30	11:30:28	11:41:50	00:11:22	00:00:43	301-	24-	64-	2646
B8 (20)	17/07/30	11:32:21	11:45:06	00:03:15	-----	264-	40-	53-	99110
S4 (119)	17/07/30	11:32:33	11:43:40	00:01:02	-----	277-	26-	45-	16289
D4 (32)	17/07/30	11:38:01	11:47:46	00:04:05	-----	276-	16-	180-	92181
D2 (30)	17/07/30	11:38:44	11:49:41	00:01:55	-----	283-	21-	170-	92182
B4 (16)	17/07/30	11:45:45	11:58:24	00:08:42	-----	267-	38-	53-	99099
A4 (08)	17/07/30	11:45:52	11:57:18	00:01:05	-----	304-	24-	69-	2646
A8 (12)	17/07/30	11:57:10	12:08:41	00:11:22	-----	305-	25-	71-	2627
S1 (116)	17/07/30	11:59:02	12:09:38	00:00:57	-----	287-	21-	46-	16290
B3 (15)	17/07/30	11:59:53	12:12:21	00:02:42	-----	272-	34-	53-	99099
D6 (34)	17/07/30	12:03:02	12:13:24	00:01:02	-----	279-	18-	176-	92185
A5 (09)	17/07/30	12:10:14	12:21:50	00:08:26	-----	306-	26-	74-	2646
B2 (14)	17/07/30	12:16:02	12:28:18	00:06:27	-----	277-	31-	53-	99099
D7 (35)	17/07/30	12:21:51	12:30:56	00:02:37	-----	273-	14-	186-	92182
A7 (11)	17/07/30	12:22:19	12:34:04	00:03:07	-----	307-	27-	78-	2646
S2 (113)	17/07/30	12:25:09	12:35:22	00:01:18	-----	295-	19-	48-	16378
B1 (13)	17/07/30	12:32:24	12:44:30	00:09:07	-----	282-	28-	54-	99012
A6 (10)	17/07/30	12:35:53	12:47:46	00:03:16	-----	308-	29-	82-	20148
D8 (36)	17/07/30	12:44:11	12:49:37	00:01:50	-----	254-	7-	209-	92138
B6 (18)	17/07/30	12:47:56	12:59:47	00:10:09	-----	289-	26-	57-	99100
A2 (06)	17/07/30	12:51:57	13:04:06	00:04:19	-----	309-	32-	88-	2646
S3 (112)	17/07/30	12:51:57	13:01:55	00:02:01	-----	302-	18-	51-	16373
A1 (05)	17/07/30	13:00:00	13:12:15	00:10:19	-----	309-	34-	90-	2555
B7 (19)	17/07/30	13:02:45	13:14:30	00:02:15	-----	293-	25-	58-	99100
A3 (07)	17/07/30	13:16:08	13:28:36	00:12:27	00:01:37	308-	39-	96-	2647
S4 (119)	17/07/30	13:18:16	13:28:10	00:00:02	-----	308-	17-	56-	16290
B8 (20)	17/07/30	13:19:35	13:31:15	00:03:04	-----	296-	24-	61-	99111
A4 (08)	17/07/30	13:31:20	13:44:00	00:12:39	00:00:05	308-	47-	103-	2647
B4 (16)	17/07/30	13:32:58	13:44:38	00:00:37	-----	298-	24-	62-	99100
C7 (27)	17/07/30	13:35:12	13:41:24	00:03:01	-----	159-	8-	103-	98453
A8 (12)	17/07/30	13:42:33	13:55:20	00:12:46	00:01:09	307-	52-	107-	2628
S1 (116)	17/07/30	13:44:31	13:54:35	00:00:04	-----	312-	18-	63-	16291
B3 (15)	17/07/30	13:47:04	13:58:45	00:04:09	-----	300-	24-	65-	99100
A5 (09)	17/07/30	13:55:32	14:08:24	00:09:39	-----	306-	59-	111-	2647
T2 (110)	17/07/30	13:56:24	14:05:03	00:03:02	-----	174-	14-	85-	16255
B2 (14)	17/07/30	14:03:08	14:14:53	00:09:49	-----	303-	25-	69-	99100
A7 (11)	17/07/30	14:07:32	14:20:29	00:05:35	-----	305-	70-	116-	2647
S2 (113)	17/07/30	14:10:17	14:20:41	00:00:12	-----	315-	20-	70-	16379
B1 (13)	17/07/30	14:19:23	14:31:15	00:10:33	-----	305-	26-	72-	99013
A6 (10)	17/07/30	14:21:04	14:34:02	00:02:47	-----	304-	80-	121-	20149
T4 (114)	17/07/30	14:28:48	14:39:36	00:05:33	-----	192-	25-	70-	16258
B6 (18)	17/07/30	14:34:39	14:46:47	00:07:11	-----	307-	29-	80-	99101
S3 (112)	17/07/30	14:36:41	14:47:32	00:00:44	-----	316-	23-	79-	16374
A2 (06)	17/07/30	14:37:06	14:50:05	00:02:33	-----	302-	82-	128-	2647
C3 (23)	17/07/30	14:40:38	14:52:37	00:02:31	-----	199-	30-	69-	98457
A1 (05)	17/07/30	14:45:08	14:58:06	00:05:28	-----	301-	74-	131-	2556
B7 (19)	17/07/30	14:49:19	15:01:37	00:03:31	-----	308-	31-	84-	99101
C1 (21)	17/07/30	14:52:58	15:05:25	00:03:48	-----	207-	37-	66-	98415

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A3 (07)	17/07/30	15:01:19	15:14:06	00:08:41	-----	298-	59-	138-	2648
S4 (119)	17/07/30	15:02:37	15:13:57	00:00:09	-----	315-	28-	89-	16291
T1 (118)	17/07/30	15:03:23	15:15:21	00:01:24	-----	213-	47-	61-	16172
B8 (20)	17/07/30	15:05:58	15:18:26	00:03:04	-----	308-	34-	89-	99112
A4 (08)	17/07/30	15:16:37	15:29:03	00:10:37	-----	295-	44-	146-	2648
C7 (27)	17/07/30	15:16:38	15:29:33	00:00:30	-----	218-	52-	63-	98454
B4 (16)	17/07/30	15:19:16	15:31:51	00:02:17	-----	308-	36-	92-	99101
A8 (12)	17/07/30	15:27:55	15:40:07	00:08:15	-----	292-	37-	151-	2629
S1 (116)	17/07/30	15:28:30	15:40:20	00:00:13	-----	314-	37-	100-	16292
B3 (15)	17/07/30	15:33:13	15:45:58	00:05:38	-----	308-	40-	96-	99101
T2 (110)	17/07/30	15:37:45	15:50:07	00:04:08	-----	230-	83-	55-	16256
A5 (09)	17/07/30	15:41:00	15:52:53	00:02:46	-----	290-	31-	157-	2648
G2 (04)	17/07/30	15:44:38	15:47:02	00:05:05	-----	87-	6-	112-	1259
B2 (14)	17/07/30	15:49:07	16:02:04	00:12:57	00:02:05	308-	46-	102-	99101
A7 (11)	17/07/30	15:53:12	16:04:31	00:02:26	-----	286-	25-	163-	2648
S2 (113)	17/07/30	15:54:03	16:06:14	00:01:42	-----	312-	51-	110-	16380
B1 (13)	17/07/30	16:05:15	16:18:21	00:12:07	-----	307-	54-	108-	99014
A6 (10)	17/07/30	16:06:55	16:17:41	00:00:04	-----	283-	21-	169-	20150
T4 (114)	17/07/30	16:11:32	16:23:50	00:06:08	-----	244-	61-	50-	16259
T3 (105)	17/07/30	16:19:33	16:31:38	00:07:48	-----	206-	38-	63-	15421
S3 (112)	17/07/30	16:20:20	16:32:42	00:01:03	-----	308-	73-	121-	16375
B6 (18)	17/07/30	16:20:21	16:33:38	00:00:56	-----	305-	73-	118-	99102
A2 (06)	17/07/30	16:23:22	16:33:03	00:00:03	-----	276-	16-	179-	2648
C3 (23)	17/07/30	16:25:25	16:38:37	00:05:33	-----	248-	63-	54-	98458
A1 (05)	17/07/30	16:31:38	16:40:41	00:02:03	-----	273-	14-	185-	2557
B7 (19)	17/07/30	16:34:58	16:48:16	00:07:35	-----	303-	86-	123-	99102
C1 (21)	17/07/30	16:38:11	16:51:15	00:02:59	-----	253-	53-	53-	98416
S4 (119)	17/07/30	16:46:15	16:58:37	00:07:21	-----	304-	78-	133-	16292
T1 (118)	17/07/30	16:47:18	16:59:08	00:00:31	-----	260-	38-	47-	16173
A3 (07)	17/07/30	16:48:30	16:55:45	00:03:02	-----	264-	10-	198-	2649
B8 (20)	17/07/30	16:51:35	17:04:49	00:09:03	-----	301-	78-	129-	99113
C7 (27)	17/07/30	17:02:24	17:15:15	00:10:25	-----	261-	43-	53-	98455
B4 (16)	17/07/30	17:04:53	17:18:06	00:02:51	-----	300-	71-	132-	99102
A4 (08)	17/07/30	17:05:34	17:08:41	00:09:02	-----	249-	6-	216-	2649
S1 (116)	17/07/30	17:12:16	17:24:18	00:12:01	00:03:35	299-	48-	146-	16293
G2 (04)	17/07/30	17:18:47	17:31:04	00:06:46	-----	27-	71-	199-	1260
B3 (15)	17/07/30	17:18:51	17:31:57	00:00:53	-----	298-	59-	138-	99102
T2 (110)	17/07/30	17:22:31	17:33:45	00:01:47	-----	274-	27-	45-	16257
B2 (14)	17/07/30	17:34:51	17:47:39	00:12:48	00:01:05	295-	46-	145-	99102
S2 (113)	17/07/30	17:38:05	17:49:26	00:01:46	-----	293-	31-	158-	16381
B1 (13)	17/07/30	17:51:05	18:03:34	00:12:29	00:01:38	292-	37-	151-	99015
T4 (114)	17/07/30	17:56:54	18:07:31	00:03:56	-----	286-	22-	46-	16260
T3 (105)	17/07/30	18:03:55	18:16:24	00:08:52	-----	254-	46-	48-	15422
S3 (112)	17/07/30	18:04:49	18:14:58	00:01:02	-----	284-	20-	173-	16376
B6 (18)	17/07/30	18:06:31	18:18:03	00:03:04	-----	286-	25-	164-	99103
C3 (23)	17/07/30	18:12:25	18:24:24	00:06:21	-----	285-	27-	55-	98459
B7 (19)	17/07/30	18:21:24	18:32:10	00:07:45	-----	281-	20-	172-	99103
C1 (21)	17/07/30	18:25:17	18:37:08	00:04:57	-----	289-	26-	56-	98417
S4 (119)	17/07/30	18:31:30	18:39:41	00:02:33	-----	273-	12-	190-	16293
T1 (118)	17/07/30	18:33:02	18:43:07	00:03:25	-----	298-	18-	49-	16174

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
B8 (20)	17/07/30	18:38:25	18:48:03	00:04:56	-----	275-	15-	181-	99114
C7 (27)	17/07/30	18:49:37	19:01:19	00:11:42	00:01:33	294-	25-	59-	98456
B4 (16)	17/07/30	18:51:57	19:00:58	00:00:02	-----	272-	13-	186-	99103
G2 (04)	17/07/30	18:58:27	19:07:14	00:06:15	-----	354-	15-	261-	1261
B3 (15)	17/07/30	19:06:29	19:14:05	00:06:51	-----	265-	10-	196-	99103
T2 (110)	17/07/30	19:08:16	19:18:10	00:04:04	-----	307-	17-	54-	16258
B2 (14)	17/07/30	19:23:40	19:28:20	00:04:40	00:05:30	250-	7-	214-	99103
K6 (106)	17/07/30	19:33:27	19:40:01	00:06:33	00:05:07	160-	9-	97-	16185
T4 (114)	17/07/30	19:42:24	19:52:26	00:10:02	00:02:22	312-	18-	62-	16261
T3 (105)	17/07/30	19:50:24	20:01:08	00:08:42	-----	293-	20-	49-	15423
K3 (103)	17/07/30	19:58:34	20:07:51	00:06:42	-----	179-	16-	80-	15287
C3 (23)	17/07/30	19:59:18	20:11:17	00:03:25	-----	306-	27-	75-	98460
C1 (21)	17/07/30	20:12:01	20:24:08	00:12:06	00:00:44	307-	29-	80-	98418
T1 (118)	17/07/30	20:18:00	20:28:34	00:04:26	-----	315-	21-	74-	16175
K9 (109)	17/07/30	20:24:33	20:35:34	00:06:59	-----	195-	27-	69-	15287
C7 (27)	17/07/30	20:36:06	20:48:28	00:12:22	00:00:32	308-	32-	86-	98457
K4 (104)	17/07/30	20:44:13	20:55:24	00:06:56	-----	199-	30-	67-	15459
K7 (107)	17/07/30	20:49:04	21:00:51	00:05:26	-----	208-	41-	63-	15287
T2 (110)	17/07/30	20:52:42	21:03:55	00:03:03	-----	315-	27-	86-	16259
K6 (106)	17/07/30	21:13:40	21:25:54	00:12:14	00:09:44	221-	62-	58-	16186
T4 (114)	17/07/30	21:26:24	21:38:11	00:11:46	00:00:29	314-	37-	99-	16262
T3 (105)	17/07/30	21:36:26	21:47:19	00:09:08	-----	313-	21-	71-	15424
K3 (103)	17/07/30	21:40:16	21:52:39	00:05:19	-----	233-	88-	54-	15288
C3 (23)	17/07/30	21:45:06	21:58:18	00:05:39	-----	306-	61-	112-	98461
C1 (21)	17/07/30	21:57:43	22:11:00	00:12:41	-----	305-	72-	117-	98419
T1 (118)	17/07/30	22:01:42	22:13:59	00:02:59	-----	310-	59-	115-	16176
K9 (109)	17/07/30	22:07:28	22:19:43	00:05:43	-----	246-	57-	50-	15288
C7 (27)	17/07/30	22:21:44	22:35:01	00:13:17	00:02:00	303-	87-	126-	98458
K4 (104)	17/07/30	22:27:27	22:39:33	00:04:31	-----	249-	52-	49-	15460
K7 (107)	17/07/30	22:32:45	22:44:43	00:05:09	-----	257-	42-	47-	15288
T2 (110)	17/07/30	22:36:20	22:48:43	00:04:00	-----	306-	85-	130-	16260
K6 (106)	17/07/30	22:58:01	23:09:35	00:11:33	00:09:18	267-	32-	46-	16187
T4 (114)	17/07/30	23:10:09	23:22:11	00:12:02	00:00:34	299-	50-	145-	16263
T3 (105)	17/07/30	23:21:06	23:33:43	00:11:31	-----	311-	52-	111-	15425
K3 (103)	17/07/30	23:25:12	23:36:16	00:02:33	-----	277-	26-	45-	15289
C3 (23)	17/07/30	23:31:04	23:43:12	00:06:55	-----	290-	31-	157-	98462
C1 (21)	17/07/30	23:43:52	23:55:25	00:11:32	00:00:40	286-	25-	164-	98420
T1 (118)	17/07/30	23:45:53	23:56:50	00:01:25	-----	289-	26-	164-	16177
K9 (109)	17/07/30	23:52:54	00:03:25	00:06:35	-----	288-	21-	46-	15289
C7 (27)	17/07/31	00:08:19	00:18:40	00:10:20	00:04:53	279-	18-	176-	98459
K4 (104)	17/07/31	00:13:05	00:23:23	00:04:43	-----	291-	20-	46-	15461
K7 (107)	17/07/31	00:18:26	00:28:36	00:05:12	-----	296-	19-	48-	15289
T2 (110)	17/07/31	00:21:20	00:30:07	00:01:31	-----	276-	14-	185-	16261
D4 (32)	17/07/31	00:30:47	00:36:09	00:05:21	00:00:40	152-	7-	103-	92189
K6 (106)	17/07/31	00:43:49	00:53:44	00:09:55	00:07:39	303-	18-	51-	16188
T4 (114)	17/07/31	00:57:12	01:01:03	00:03:51	00:03:27	254-	6-	215-	16264
T3 (105)	17/07/31	01:05:58	01:17:47	00:11:48	00:04:55	293-	32-	158-	15426
K3 (103)	17/07/31	01:10:55	01:20:48	00:03:00	-----	308-	17-	56-	15290
D7 (35)	17/07/31	01:13:20	01:20:00	00:00:04	-----	160-	9-	100-	92190
D8 (36)	17/07/31	01:32:19	01:42:02	00:09:42	00:12:18	179-	15-	83-	92146

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
K9 (109)	17/07/31	01:38:20	01:48:25	00:06:22	-----	313-	18-	64-	15290
D3 (31)	17/07/31	01:53:01	02:05:20	00:12:18	00:04:36	205-	35-	67-	92103
K4 (104)	17/07/31	01:58:30	02:08:36	00:03:16	-----	314-	19-	66-	15462
K7 (107)	17/07/31	02:03:32	02:13:56	00:05:20	-----	315-	20-	71-	15290
D4 (32)	17/07/31	02:11:51	02:24:44	00:10:47	-----	216-	48-	64-	92190
D2 (30)	17/07/31	02:13:02	02:25:25	00:00:41	-----	206-	36-	67-	92191
K6 (106)	17/07/31	02:28:31	02:39:22	00:10:50	00:03:06	316-	23-	80-	16189
D6 (34)	17/07/31	02:36:56	02:49:35	00:10:12	-----	211-	42-	65-	92194
G2 (04)	17/07/31	02:54:45	03:06:05	00:11:20	00:05:10	120-	27-	355-	1266
D7 (35)	17/07/31	02:55:00	03:08:00	00:01:53	-----	219-	54-	62-	92191
K3 (103)	17/07/31	02:55:14	03:06:34	00:01:02	-----	315-	29-	89-	15291
D8 (36)	17/07/31	03:15:36	03:28:51	00:13:14	00:09:01	231-	80-	58-	92147
K9 (109)	17/07/31	03:22:17	03:34:09	00:05:17	-----	314-	39-	101-	15291
D3 (31)	17/07/31	03:38:06	03:51:12	00:13:06	00:03:56	251-	56-	54-	92104
K4 (104)	17/07/31	03:42:27	03:54:24	00:03:12	-----	313-	42-	104-	15463
K7 (107)	17/07/31	03:47:17	03:59:27	00:05:02	-----	311-	52-	111-	15291
D4 (32)	17/07/31	03:57:34	04:10:28	00:11:00	-----	260-	45-	53-	92191
D2 (30)	17/07/31	03:58:11	04:11:16	00:00:47	-----	252-	54-	53-	92192
K6 (106)	17/07/31	04:12:10	04:24:31	00:12:21	00:00:54	308-	74-	122-	16190
D6 (34)	17/07/31	04:22:22	04:35:21	00:10:49	-----	256-	49-	53-	92195
G2 (04)	17/07/31	04:32:37	04:44:46	00:09:25	-----	179-	38-	323-	1267
K3 (103)	17/07/31	04:38:53	04:51:13	00:06:26	-----	304-	76-	133-	15292
D7 (35)	17/07/31	04:40:51	04:53:39	00:02:26	-----	262-	42-	52-	92192
D8 (36)	17/07/31	05:02:00	05:14:28	00:12:27	00:08:21	272-	34-	53-	92148
K9 (109)	17/07/31	05:06:05	05:18:01	00:03:33	-----	298-	46-	147-	15292
A1 (05)	17/07/31	05:20:31	05:25:34	00:05:02	00:02:29	151-	7-	104-	2565
D3 (31)	17/07/31	05:25:11	05:37:02	00:11:27	-----	288-	26-	56-	92105
K4 (104)	17/07/31	05:26:23	05:38:13	00:01:11	-----	296-	40-	151-	15464
K7 (107)	17/07/31	05:31:20	05:42:37	00:04:24	-----	292-	30-	159-	15292
A3 (07)	17/07/31	05:35:10	05:42:52	00:00:14	-----	167-	11-	94-	2657
D4 (32)	17/07/31	05:44:49	05:56:31	00:11:42	00:01:57	293-	25-	59-	92192
D2 (30)	17/07/31	05:45:18	05:57:06	00:00:35	-----	289-	26-	56-	92193
A4 (08)	17/07/31	05:49:12	05:58:49	00:01:43	-----	180-	15-	83-	2657
K6 (106)	17/07/31	05:56:40	06:06:44	00:07:54	-----	284-	20-	173-	16191
A8 (12)	17/07/31	06:00:00	06:10:20	00:03:35	-----	186-	18-	79-	2638
D6 (34)	17/07/31	06:09:32	06:21:17	00:10:57	-----	291-	25-	57-	92196
A5 (09)	17/07/31	06:12:35	06:23:32	00:02:15	-----	192-	22-	75-	2657
K3 (103)	17/07/31	06:24:10	06:32:13	00:08:03	00:00:37	272-	12-	192-	15293
A7 (11)	17/07/31	06:24:12	06:35:46	00:03:33	-----	197-	27-	71-	2657
D7 (35)	17/07/31	06:28:04	06:39:44	00:03:58	-----	295-	24-	60-	92193
A6 (10)	17/07/31	06:37:28	06:49:26	00:09:41	-----	203-	32-	68-	20159
D8 (36)	17/07/31	06:49:12	07:00:52	00:11:26	-----	300-	24-	65-	92149
A2 (06)	17/07/31	06:53:10	07:05:37	00:04:44	-----	211-	43-	65-	2657
A1 (05)	17/07/31	07:01:03	07:13:41	00:08:04	-----	216-	48-	64-	2566
S4 (119)	17/07/31	07:11:46	07:16:23	00:02:41	-----	147-	7-	102-	16301
D3 (31)	17/07/31	07:11:59	07:23:59	00:07:35	-----	307-	28-	78-	92106
A3 (07)	17/07/31	07:17:01	07:29:54	00:05:54	-----	223-	61-	61-	2658
B8 (20)	17/07/31	07:30:42	07:36:12	00:05:29	00:00:48	153-	7-	103-	99122
D4 (32)	17/07/31	07:31:24	07:43:41	00:07:28	-----	308-	31-	85-	92193
D2 (30)	17/07/31	07:32:03	07:44:05	00:00:24	-----	307-	28-	79-	92194

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A4 (08)	17/07/31	07:32:05	07:45:08	00:01:02	-----	231-	81-	58-	2658
S1 (116)	17/07/31	07:35:23	07:44:02	00:01:05	-----	174-	14-	85-	16302
B4 (16)	17/07/31	07:43:18	07:50:05	00:06:02	-----	161-	9-	100-	99111
A8 (12)	17/07/31	07:43:19	07:56:22	00:06:17	-----	236-	89-	57-	2639
D6 (34)	17/07/31	07:56:11	08:08:21	00:11:59	-----	307-	30-	82-	92197
B3 (15)	17/07/31	07:56:17	08:04:40	00:03:04	-----	171-	12-	90-	99111
A5 (09)	17/07/31	07:56:20	08:09:20	00:04:40	-----	240-	78-	56-	2658
S2 (113)	17/07/31	07:59:53	08:10:18	00:00:58	-----	187-	22-	73-	16390
A7 (11)	17/07/31	08:08:23	08:21:21	00:11:02	-----	246-	66-	55-	2658
B2 (14)	17/07/31	08:11:16	08:21:13	00:00:07	-----	181-	16-	81-	99111
D7 (35)	17/07/31	08:14:32	08:26:54	00:05:40	-----	308-	32-	87-	92194
A6 (10)	17/07/31	08:21:59	08:34:52	00:07:58	-----	250-	58-	54-	20160
S3 (112)	17/07/31	08:25:29	08:37:00	00:02:06	-----	202-	34-	65-	16385
B1 (13)	17/07/31	08:26:49	08:37:42	00:00:43	-----	189-	21-	76-	99024
D8 (36)	17/07/31	08:35:21	08:48:06	00:10:23	-----	308-	40-	96-	92150
A2 (06)	17/07/31	08:38:10	08:50:54	00:02:47	-----	257-	48-	53-	2658
B6 (18)	17/07/31	08:41:11	08:53:14	00:02:20	-----	201-	31-	69-	99112
A1 (05)	17/07/31	08:46:16	08:58:55	00:05:40	-----	260-	44-	52-	2567
S4 (119)	17/07/31	08:51:00	09:03:06	00:04:10	-----	216-	52-	60-	16302
B7 (19)	17/07/31	08:55:29	09:08:00	00:04:53	-----	208-	38-	66-	99112
D3 (31)	17/07/31	08:57:42	09:10:54	00:02:54	-----	305-	68-	115-	92107
A3 (07)	17/07/31	09:02:37	09:15:03	00:04:09	-----	266-	38-	52-	2659
B8 (20)	17/07/31	09:11:48	09:24:40	00:09:36	-----	216-	49-	63-	99123
S1 (116)	17/07/31	09:16:43	09:29:06	00:04:25	-----	229-	83-	55-	16303
D4 (32)	17/07/31	09:17:05	09:30:20	00:01:13	-----	303-	88-	124-	92194
D2 (30)	17/07/31	09:17:46	09:30:59	00:00:38	-----	305-	70-	116-	92195
A4 (08)	17/07/31	09:18:04	09:30:16	00:00:04	-----	273-	33-	52-	2659
B4 (16)	17/07/31	09:25:02	09:38:01	00:07:44	-----	220-	55-	62-	99112
A8 (12)	17/07/31	09:29:28	09:41:31	00:03:30	-----	276-	31-	52-	2640
B3 (15)	17/07/31	09:38:52	09:52:00	00:10:29	-----	225-	66-	60-	99112
D6 (34)	17/07/31	09:41:51	09:55:06	00:03:06	-----	304-	79-	120-	92198
S2 (113)	17/07/31	09:42:20	09:54:41	00:00:02	-----	241-	68-	51-	16391
A5 (09)	17/07/31	09:42:38	09:54:31	00:00:01	-----	280-	29-	53-	2659
B2 (14)	17/07/31	09:54:41	10:07:56	00:13:14	00:00:10	232-	83-	58-	99112
A7 (11)	17/07/31	09:54:52	10:06:35	00:01:02	-----	284-	27-	54-	2659
D7 (35)	17/07/31	10:00:10	10:13:24	00:06:48	-----	302-	85-	127-	92195
A6 (10)	17/07/31	10:08:34	10:20:11	00:06:46	-----	287-	26-	55-	20161
S3 (112)	17/07/31	10:08:50	10:20:58	00:00:46	-----	252-	48-	48-	16386
B1 (13)	17/07/31	10:10:49	10:24:05	00:03:07	-----	238-	83-	56-	99025
D8 (36)	17/07/31	10:21:00	10:34:04	00:09:59	-----	298-	58-	138-	92151
A2 (06)	17/07/31	10:24:52	10:36:22	00:02:17	-----	292-	24-	57-	2659
B6 (18)	17/07/31	10:26:02	10:39:12	00:02:50	-----	249-	61-	54-	99113
A1 (05)	17/07/31	10:33:00	10:44:27	00:05:14	-----	294-	24-	58-	2568
S4 (119)	17/07/31	10:35:05	10:46:50	00:02:23	-----	263-	36-	46-	16303
B7 (19)	17/07/31	10:40:45	10:53:48	00:06:58	-----	254-	52-	53-	99113
D3 (31)	17/07/31	10:43:47	10:55:30	00:01:41	-----	287-	27-	162-	92108
A3 (07)	17/07/31	10:49:23	11:00:45	00:05:14	-----	297-	24-	61-	2660
B8 (20)	17/07/31	10:57:29	11:10:22	00:09:37	-----	260-	45-	53-	99124
S1 (116)	17/07/31	11:01:29	11:12:44	00:02:21	-----	274-	27-	45-	16304
D4 (32)	17/07/31	11:03:36	11:14:12	00:01:28	-----	280-	19-	173-	92195

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D2 (30)	17/07/31	11:03:53	11:15:28	00:01:15	-----	287-	26-	163-	92196
A4 (08)	17/07/31	11:04:47	11:16:10	00:00:41	-----	301-	24-	64-	2660
B4 (16)	17/07/31	11:10:53	11:23:41	00:07:30	-----	263-	42-	53-	99113
A8 (12)	17/07/31	11:16:09	11:27:33	00:03:51	-----	303-	24-	67-	2641
B3 (15)	17/07/31	11:25:00	11:37:38	00:10:05	-----	267-	37-	52-	99113
S2 (113)	17/07/31	11:27:35	11:38:21	00:00:43	-----	284-	23-	46-	16392
D6 (34)	17/07/31	11:28:08	11:39:14	00:00:52	-----	284-	22-	169-	92199
A5 (09)	17/07/31	11:29:14	11:40:41	00:01:27	-----	304-	24-	69-	2660
B2 (14)	17/07/31	11:41:09	11:53:34	00:12:25	00:00:27	273-	33-	53-	99113
A7 (11)	17/07/31	11:41:20	11:52:54	00:00:03	-----	306-	25-	73-	2660
D7 (35)	17/07/31	11:46:49	11:56:55	00:04:00	-----	278-	17-	178-	92196
S3 (112)	17/07/31	11:54:25	12:04:45	00:07:50	-----	292-	20-	47-	16387
A6 (10)	17/07/31	11:54:56	12:06:37	00:01:51	-----	307-	27-	76-	20162
B1 (13)	17/07/31	11:57:30	12:09:44	00:03:07	-----	278-	30-	53-	99026
D8 (36)	17/07/31	12:08:40	12:16:08	00:06:24	-----	264-	10-	197-	92152
A2 (06)	17/07/31	12:11:02	12:22:57	00:06:48	-----	308-	29-	82-	2660
B6 (18)	17/07/31	12:13:02	12:25:00	00:02:02	-----	286-	27-	55-	99114
A1 (05)	17/07/31	12:19:04	12:31:05	00:06:05	-----	308-	30-	84-	2569
S4 (119)	17/07/31	12:20:51	12:30:53	00:00:01	-----	300-	18-	50-	16304
B7 (19)	17/07/31	12:27:52	12:39:42	00:08:49	-----	290-	26-	57-	99114
A3 (07)	17/07/31	12:35:16	12:47:28	00:07:46	-----	308-	34-	89-	2661
B8 (20)	17/07/31	12:44:41	12:56:24	00:08:55	-----	294-	25-	59-	99125
S1 (116)	17/07/31	12:47:15	12:57:09	00:00:44	-----	307-	17-	54-	16305
A4 (08)	17/07/31	12:50:28	13:02:55	00:05:45	-----	308-	39-	96-	2661
B4 (16)	17/07/31	12:58:05	13:09:47	00:06:52	-----	295-	24-	60-	99114
A8 (12)	17/07/31	13:01:42	13:14:17	00:04:29	-----	308-	43-	100-	2642
B3 (15)	17/07/31	13:12:13	13:23:53	00:09:35	-----	298-	24-	62-	99114
S2 (113)	17/07/31	13:13:09	13:23:09	00:00:04	-----	311-	18-	60-	16393
A5 (09)	17/07/31	13:14:41	13:27:22	00:04:13	-----	308-	48-	104-	2661
A7 (11)	17/07/31	13:26:41	13:39:30	00:12:07	-----	307-	56-	109-	2661
B2 (14)	17/07/31	13:28:19	13:40:00	00:00:29	-----	301-	24-	66-	99114
T4 (114)	17/07/31	13:33:22	13:41:49	00:01:49	-----	173-	13-	85-	16272
S3 (112)	17/07/31	13:39:41	13:49:57	00:08:08	-----	314-	19-	68-	16388
A6 (10)	17/07/31	13:40:12	13:53:07	00:03:09	-----	306-	63-	113-	20163
B1 (13)	17/07/31	13:44:35	13:56:21	00:03:14	-----	303-	25-	69-	99027
A2 (06)	17/07/31	13:56:13	14:09:14	00:12:53	-----	304-	79-	120-	2661
B6 (18)	17/07/31	13:59:54	14:11:53	00:02:39	-----	306-	27-	76-	99115
A1 (05)	17/07/31	14:04:14	14:17:15	00:05:22	-----	303-	86-	123-	2570
S4 (119)	17/07/31	14:05:43	14:16:24	00:00:05	-----	315-	22-	76-	16305
C3 (23)	17/07/31	14:06:23	14:17:52	00:01:28	-----	195-	25-	73-	98471
T1 (118)	17/07/31	14:07:15	14:18:09	00:00:16	-----	193-	26-	69-	16186
B7 (19)	17/07/31	14:14:35	14:26:43	00:08:34	-----	307-	29-	80-	99115
C1 (21)	17/07/31	14:18:33	14:30:36	00:03:53	-----	201-	31-	69-	98429
A3 (07)	17/07/31	14:20:24	14:33:22	00:02:45	-----	301-	77-	130-	2662
B8 (20)	17/07/31	14:31:13	14:43:32	00:10:09	-----	308-	31-	85-	99126
S1 (116)	17/07/31	14:31:41	14:42:53	00:00:03	-----	315-	27-	86-	16306
A4 (08)	17/07/31	14:35:39	14:48:24	00:05:30	-----	298-	58-	138-	2662
T2 (110)	17/07/31	14:41:10	14:53:08	00:04:43	-----	212-	47-	61-	16270
C7 (27)	17/07/31	14:42:09	14:54:49	00:01:41	-----	211-	43-	65-	98468
B4 (16)	17/07/31	14:44:32	14:56:57	00:02:08	-----	308-	33-	88-	99115

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A8 (12)	17/07/31	14:46:55	14:59:32	00:02:34	-----	296-	49-	143-	2643
S2 (113)	17/07/31	14:57:15	15:08:55	00:09:23	-----	314-	34-	96-	16394
B3 (15)	17/07/31	14:58:30	15:11:06	00:02:10	-----	308-	36-	92-	99115
A5 (09)	17/07/31	14:59:58	15:12:21	00:01:15	-----	294-	42-	148-	2662
A7 (11)	17/07/31	15:12:06	15:24:08	00:11:46	-----	291-	34-	154-	2662
B2 (14)	17/07/31	15:14:25	15:27:13	00:03:05	-----	308-	41-	98-	99115
T4 (114)	17/07/31	15:14:36	15:26:58	00:00:01	-----	229-	81-	55-	16273
S3 (112)	17/07/31	15:23:31	15:35:35	00:08:36	-----	312-	45-	107-	16389
A6 (10)	17/07/31	15:25:45	15:37:24	00:01:49	-----	288-	28-	160-	20164
B1 (13)	17/07/31	15:30:33	15:43:32	00:06:07	-----	307-	47-	103-	99028
T3 (105)	17/07/31	15:34:40	15:45:54	00:02:22	-----	193-	26-	69-	15435
A2 (06)	17/07/31	15:42:03	15:52:56	00:07:01	-----	283-	22-	168-	2662
B6 (18)	17/07/31	15:45:40	15:58:53	00:05:57	-----	306-	63-	113-	99116
S4 (119)	17/07/31	15:49:24	16:01:43	00:02:50	-----	310-	64-	117-	16306
T1 (118)	17/07/31	15:50:04	16:02:20	00:00:36	-----	245-	59-	50-	16187
A1 (05)	17/07/31	15:50:14	16:00:38	00:01:04	-----	281-	19-	173-	2571
C3 (23)	17/07/31	15:50:47	16:04:03	00:03:24	-----	243-	73-	55-	98472
B7 (19)	17/07/31	16:00:16	16:13:33	00:09:29	-----	305-	74-	118-	99116
C1 (21)	17/07/31	16:03:24	16:16:34	00:03:01	-----	248-	61-	54-	98430
A3 (07)	17/07/31	16:06:50	16:16:04	00:00:03	-----	274-	14-	184-	2663
S1 (116)	17/07/31	16:15:19	16:27:42	00:11:38	-----	306-	85-	130-	16307
B8 (20)	17/07/31	16:16:51	16:30:07	00:02:25	-----	303-	89-	124-	99127
A4 (08)	17/07/31	16:22:53	16:30:00	00:00:08	-----	263-	10-	198-	2663
T2 (110)	17/07/31	16:25:04	16:36:55	00:06:55	-----	260-	38-	47-	16271
C7 (27)	17/07/31	16:27:36	16:40:35	00:03:39	-----	257-	48-	53-	98469
B4 (16)	17/07/31	16:30:09	16:43:26	00:02:51	-----	302-	84-	127-	99116
A8 (12)	17/07/31	16:34:51	16:40:17	00:03:09	-----	254-	7-	209-	2644
S2 (113)	17/07/31	16:40:58	16:53:08	00:12:10	00:00:41	301-	57-	141-	16395
B3 (15)	17/07/31	16:44:07	16:57:20	00:04:11	-----	300-	71-	133-	99116
G2 (04)	17/07/31	16:50:43	17:02:10	00:04:49	-----	39-	33-	177-	1274
T4 (114)	17/07/31	16:59:20	17:10:36	00:08:26	-----	273-	28-	45-	16274
B2 (14)	17/07/31	17:00:05	17:13:06	00:02:30	-----	298-	55-	140-	99116
S3 (112)	17/07/31	17:07:26	17:19:04	00:05:57	-----	295-	36-	154-	16390
B1 (13)	17/07/31	17:16:17	17:29:04	00:10:00	-----	295-	45-	146-	99029
T3 (105)	17/07/31	17:18:15	17:30:59	00:01:54	-----	244-	62-	50-	15436
B6 (18)	17/07/31	17:31:39	17:43:41	00:12:02	00:00:39	289-	30-	158-	99117
S4 (119)	17/07/31	17:33:41	17:44:23	00:00:41	-----	288-	24-	167-	16307
T1 (118)	17/07/31	17:35:28	17:46:02	00:01:39	-----	287-	21-	46-	16188
C3 (23)	17/07/31	17:37:38	17:49:45	00:03:43	-----	281-	29-	54-	98473
B7 (19)	17/07/31	17:46:27	17:57:55	00:08:09	-----	285-	24-	165-	99117
C1 (21)	17/07/31	17:50:24	18:02:21	00:04:26	-----	286-	27-	55-	98431
S1 (116)	17/07/31	18:00:19	18:09:08	00:06:46	-----	276-	14-	186-	16308
B8 (20)	17/07/31	18:03:21	18:13:55	00:04:47	-----	280-	19-	174-	99128
T2 (110)	17/07/31	18:10:48	18:20:53	00:06:58	-----	298-	18-	49-	16272
C7 (27)	17/07/31	18:14:46	18:26:32	00:05:38	-----	291-	25-	58-	98470
B4 (16)	17/07/31	18:16:50	18:26:55	00:00:23	-----	278-	17-	178-	99117
S2 (113)	17/07/31	18:27:13	18:32:54	00:05:40	00:00:18	259-	8-	208-	16396
G2 (04)	17/07/31	18:29:17	18:40:15	00:07:21	-----	6-	28-	239-	1275
B3 (15)	17/07/31	18:31:12	18:40:10	00:00:05	-----	272-	13-	186-	99117
T4 (114)	17/07/31	18:45:06	18:55:00	00:09:52	00:04:56	306-	17-	54-	16275

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B2 (14)	17/07/31	18:47:57	18:54:56	00:00:02	-----	262-	9-	200-	99117
K3 (103)	17/07/31	19:04:17	19:09:07	00:04:49	00:09:21	154-	7-	102-	15301
T3 (105)	17/07/31	19:04:29	19:15:34	00:06:26	-----	286-	23-	47-	15437
B1 (13)	17/07/31	19:05:17	19:09:32	00:06:01	-----	248-	6-	217-	99030
T1 (118)	17/07/31	19:20:56	19:31:00	00:10:04	00:11:23	312-	18-	63-	16189
C3 (23)	17/07/31	19:24:39	19:36:30	00:05:29	-----	304-	26-	72-	98474
K9 (109)	17/07/31	19:29:01	19:37:55	00:01:25	-----	176-	15-	83-	15301
C1 (21)	17/07/31	19:37:16	19:49:15	00:11:19	-----	306-	27-	76-	98432
K4 (104)	17/07/31	19:49:50	19:59:17	00:09:27	00:00:34	181-	17-	79-	15473
K7 (107)	17/07/31	19:53:04	20:03:34	00:04:16	-----	188-	22-	72-	15301
T2 (110)	17/07/31	19:55:46	20:06:21	00:02:47	-----	315-	21-	74-	16273
C7 (27)	17/07/31	20:01:24	20:13:37	00:07:15	-----	307-	30-	82-	98471
K6 (106)	17/07/31	20:17:18	20:28:49	00:11:30	00:03:41	203-	34-	65-	16200
T4 (114)	17/07/31	20:29:34	20:40:43	00:11:09	00:00:44	315-	26-	86-	16276
K3 (103)	17/07/31	20:43:35	20:55:42	00:12:06	00:02:52	217-	53-	60-	15302
T3 (105)	17/07/31	20:50:49	21:01:24	00:05:41	-----	311-	19-	64-	15438
T1 (118)	17/07/31	21:04:54	21:16:45	00:11:50	00:03:29	314-	38-	100-	16190
K9 (109)	17/07/31	21:10:30	21:22:53	00:06:08	-----	231-	87-	54-	15302
C3 (23)	17/07/31	21:10:32	21:23:38	00:00:44	-----	307-	53-	107-	98475
C1 (21)	17/07/31	21:23:02	21:36:15	00:12:36	-----	306-	62-	113-	98433
K4 (104)	17/07/31	21:31:48	21:44:06	00:07:51	-----	235-	83-	53-	15474
K7 (107)	17/07/31	21:35:34	21:47:54	00:03:48	-----	242-	66-	51-	15302
T2 (110)	17/07/31	21:39:29	21:51:46	00:03:51	-----	310-	58-	115-	16274
C7 (27)	17/07/31	21:47:03	22:00:21	00:08:35	-----	304-	80-	121-	98472
K6 (106)	17/07/31	22:00:41	22:12:47	00:12:05	00:00:19	252-	47-	48-	16201
T4 (114)	17/07/31	22:13:12	22:25:34	00:12:22	00:00:25	306-	87-	129-	16277
K3 (103)	17/07/31	22:27:43	22:39:26	00:11:43	00:02:08	263-	35-	46-	15303
T3 (105)	17/07/31	22:35:41	22:48:00	00:08:34	-----	313-	39-	101-	15439
T1 (118)	17/07/31	22:48:41	23:00:41	00:12:00	00:00:40	299-	47-	146-	16191
K9 (109)	17/07/31	22:55:21	23:06:31	00:05:49	-----	275-	27-	45-	15303
C3 (23)	17/07/31	22:56:22	23:08:53	00:02:22	-----	293-	38-	151-	98476
C1 (21)	17/07/31	23:09:01	23:21:04	00:12:03	00:00:07	289-	30-	158-	98434
K4 (104)	17/07/31	23:16:54	23:27:49	00:06:44	-----	279-	25-	45-	15475
K7 (107)	17/07/31	23:20:51	23:31:34	00:03:45	-----	284-	22-	45-	15303
T2 (110)	17/07/31	23:23:39	23:34:38	00:03:03	-----	290-	26-	163-	16275
C7 (27)	17/07/31	23:33:22	23:44:27	00:09:49	-----	283-	22-	168-	98473
K6 (106)	17/07/31	23:46:17	23:56:35	00:10:17	00:01:49	293-	20-	47-	16202
T4 (114)	17/07/31	23:58:08	00:07:04	00:08:55	00:01:33	277-	15-	185-	16278
K3 (103)	17/08/01	00:13:29	00:23:29	00:10:00	00:06:24	300-	18-	50-	15304
T3 (105)	17/08/01	00:20:20	00:32:46	00:09:17	-----	299-	48-	146-	15440
K9 (109)	17/08/01	00:41:06	00:50:58	00:09:52	00:08:19	307-	17-	55-	15304
D8 (36)	17/08/01	00:58:23	01:06:55	00:08:32	00:07:25	171-	12-	89-	92160
K4 (104)	17/08/01	01:02:41	01:12:29	00:05:33	-----	309-	17-	57-	15476
K7 (107)	17/08/01	01:06:24	01:16:23	00:03:53	-----	311-	18-	61-	15304
D3 (31)	17/08/01	01:18:41	01:30:33	00:11:52	00:02:17	198-	29-	70-	92117
K6 (106)	17/08/01	01:31:32	01:41:47	00:10:15	00:00:58	314-	19-	68-	16203
D4 (32)	17/08/01	01:37:57	01:50:33	00:08:45	-----	209-	40-	65-	92204
D2 (30)	17/08/01	01:38:40	01:50:39	00:00:06	-----	200-	30-	69-	92205
K3 (103)	17/08/01	01:58:20	02:09:01	00:10:40	00:07:41	315-	22-	76-	15305
D6 (34)	17/08/01	02:02:32	02:14:52	00:05:51	-----	205-	35-	67-	92208

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
T3 (105)	17/08/01	02:08:25	02:12:11	00:02:04	-----	248-	6-	221-	15441
D7 (35)	17/08/01	02:20:32	02:33:17	00:12:44	00:08:21	213-	45-	64-	92205
K9 (109)	17/08/01	02:25:29	02:36:44	00:03:26	-----	315-	28-	88-	15305
G2 (04)	17/08/01	02:27:51	02:36:56	00:00:12	-----	98-	15-	8-	1280
D8 (36)	17/08/01	02:41:02	02:54:11	00:13:09	00:04:05	226-	67-	60-	92161
K4 (104)	17/08/01	02:47:01	02:58:23	00:04:11	-----	315-	30-	91-	15477
K7 (107)	17/08/01	02:50:29	03:02:10	00:03:46	-----	314-	34-	97-	15305
D3 (31)	17/08/01	03:03:23	03:16:35	00:13:12	00:01:12	246-	65-	54-	92118
K6 (106)	17/08/01	03:15:21	03:27:24	00:10:49	-----	312-	46-	107-	16204
D4 (32)	17/08/01	03:23:20	03:36:23	00:08:58	-----	255-	51-	53-	92205
D2 (30)	17/08/01	03:23:28	03:36:38	00:00:15	-----	248-	62-	54-	92206
K3 (103)	17/08/01	03:42:00	03:54:19	00:12:18	00:05:22	310-	65-	118-	15306
D6 (34)	17/08/01	03:47:38	04:00:44	00:06:25	-----	252-	56-	54-	92209
G2 (04)	17/08/01	04:03:49	04:16:40	00:12:50	00:03:05	159-	77-	334-	1281
D7 (35)	17/08/01	04:06:04	04:19:01	00:02:21	-----	258-	47-	53-	92206
K9 (109)	17/08/01	04:09:07	04:21:28	00:02:26	-----	305-	81-	131-	15306
D8 (36)	17/08/01	04:27:12	04:39:49	00:12:37	00:05:43	268-	37-	52-	92162
K4 (104)	17/08/01	04:30:45	04:43:04	00:03:14	-----	304-	71-	135-	15478
K7 (107)	17/08/01	04:34:12	04:46:20	00:03:16	-----	301-	55-	142-	15306
D3 (31)	17/08/01	04:50:21	05:02:19	00:11:58	00:04:00	284-	27-	54-	92119
A3 (07)	17/08/01	04:56:09	05:00:34	00:01:04	-----	146-	7-	105-	2671
K6 (106)	17/08/01	04:59:16	05:10:54	00:10:19	-----	295-	36-	154-	16205
A4 (08)	17/08/01	05:09:24	05:17:13	00:06:19	-----	168-	11-	94-	2671
D2 (30)	17/08/01	05:10:28	05:22:24	00:05:10	-----	285-	27-	55-	92207
D4 (32)	17/08/01	05:10:32	05:22:19	00:00:04	-----	290-	25-	57-	92206
A8 (12)	17/08/01	05:20:01	05:28:56	00:06:36	-----	175-	13-	87-	2652
K3 (103)	17/08/01	05:26:19	05:36:54	00:07:58	-----	287-	23-	168-	15307
A5 (09)	17/08/01	05:32:27	05:42:14	00:05:20	-----	181-	16-	82-	2671
D6 (34)	17/08/01	05:34:44	05:46:34	00:04:19	-----	288-	26-	56-	92210
A7 (11)	17/08/01	05:43:53	05:54:35	00:08:01	-----	189-	20-	76-	2671
G2 (04)	17/08/01	05:46:34	05:51:52	00:02:04	-----	233-	7-	286-	1282
D7 (35)	17/08/01	05:53:15	06:04:59	00:11:43	00:01:23	292-	25-	58-	92207
K9 (109)	17/08/01	05:54:14	06:02:43	00:02:01	-----	274-	13-	188-	15307
A6 (10)	17/08/01	05:57:04	06:08:20	00:05:36	-----	195-	24-	73-	20173
A2 (06)	17/08/01	06:12:39	06:24:36	00:11:56	00:04:19	202-	32-	68-	2671
D8 (36)	17/08/01	06:14:25	06:26:05	00:01:29	-----	298-	24-	62-	92163
K4 (104)	17/08/01	06:16:18	06:23:57	00:02:08	-----	269-	11-	195-	15479
A1 (05)	17/08/01	06:20:30	06:32:40	00:08:43	-----	206-	36-	67-	2580
K7 (107)	17/08/01	06:20:35	06:25:55	00:06:04	-----	257-	8-	211-	15307
A3 (07)	17/08/01	06:36:22	06:48:57	00:12:35	00:10:26	215-	46-	64-	2672
D3 (31)	17/08/01	06:37:16	06:49:09	00:00:11	-----	306-	26-	74-	92120
A4 (08)	17/08/01	06:51:18	07:04:13	00:12:54	00:02:09	224-	62-	61-	2672
D4 (32)	17/08/01	06:57:16	07:09:24	00:05:10	-----	307-	29-	81-	92207
D2 (30)	17/08/01	06:57:22	07:09:15	00:00:08	-----	306-	27-	75-	92208
A8 (12)	17/08/01	07:02:30	07:15:29	00:06:13	-----	228-	72-	59-	2653
S2 (113)	17/08/01	07:04:42	07:12:22	00:03:06	-----	167-	11-	90-	16404
A5 (09)	17/08/01	07:15:27	07:28:28	00:13:00	00:03:05	233-	83-	58-	2672
D6 (34)	17/08/01	07:21:31	07:33:32	00:05:04	-----	307-	28-	78-	92211
B3 (15)	17/08/01	07:22:31	07:29:20	00:04:01	-----	161-	9-	100-	99125
A7 (11)	17/08/01	07:27:27	07:40:29	00:11:09	-----	238-	82-	56-	2672

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
S3 (112)	17/08/01	07:29:39	07:39:34	00:00:05	-----	185-	19-	76-	16399
B2 (14)	17/08/01	07:37:13	07:46:06	00:06:32	-----	173-	13-	88-	99125
D7 (35)	17/08/01	07:39:52	07:52:04	00:05:58	-----	308-	30-	83-	92208
A6 (10)	17/08/01	07:41:01	07:54:02	00:01:57	-----	243-	72-	55-	20174
B1 (13)	17/08/01	07:52:37	08:02:42	00:08:40	-----	182-	17-	81-	99038
S4 (119)	17/08/01	07:54:47	08:05:57	00:03:14	-----	197-	29-	68-	16316
A2 (06)	17/08/01	07:57:08	08:10:03	00:04:06	-----	250-	58-	54-	2672
D8 (36)	17/08/01	08:00:42	08:13:18	00:03:15	-----	308-	36-	92-	92164
A1 (05)	17/08/01	08:05:12	08:18:03	00:04:45	-----	253-	54-	53-	2581
B6 (18)	17/08/01	08:06:47	08:18:23	00:00:19	-----	197-	26-	72-	99126
S1 (116)	17/08/01	08:20:09	08:32:08	00:11:58	00:01:46	212-	47-	61-	16317
B7 (19)	17/08/01	08:21:03	08:33:10	00:01:02	-----	202-	32-	69-	99126
A3 (07)	17/08/01	08:21:31	08:34:12	00:01:01	-----	259-	45-	53-	2673
D3 (31)	17/08/01	08:23:05	08:36:12	00:02:00	-----	306-	58-	110-	92121
A4 (08)	17/08/01	08:36:55	08:49:22	00:12:27	00:00:42	266-	38-	52-	2673
B8 (20)	17/08/01	08:37:17	08:49:52	00:00:29	-----	210-	40-	65-	99137
D4 (32)	17/08/01	08:43:00	08:56:14	00:06:21	-----	304-	76-	119-	92208
D2 (30)	17/08/01	08:43:08	08:56:17	00:00:03	-----	306-	61-	112-	92209
S2 (113)	17/08/01	08:45:29	08:57:49	00:01:32	-----	225-	72-	56-	16405
A8 (12)	17/08/01	08:48:19	09:00:37	00:02:47	-----	270-	35-	52-	2654
B4 (16)	17/08/01	08:50:30	09:03:14	00:02:36	-----	213-	45-	64-	99126
A5 (09)	17/08/01	09:01:28	09:13:36	00:10:22	-----	274-	32-	52-	2673
B3 (15)	17/08/01	09:04:16	09:17:15	00:03:38	-----	220-	55-	62-	99126
D6 (34)	17/08/01	09:07:14	09:20:27	00:03:12	-----	305-	68-	116-	92212
S3 (112)	17/08/01	09:11:45	09:24:09	00:03:41	-----	237-	78-	52-	16400
A7 (11)	17/08/01	09:13:42	09:25:39	00:01:30	-----	278-	30-	53-	2673
B2 (14)	17/08/01	09:20:02	09:33:13	00:07:33	-----	227-	70-	60-	99126
D7 (35)	17/08/01	09:25:31	09:38:46	00:05:33	-----	304-	82-	122-	92209
A6 (10)	17/08/01	09:27:25	09:39:14	00:00:27	-----	282-	28-	53-	20175
B1 (13)	17/08/01	09:36:07	09:49:22	00:10:08	-----	233-	84-	58-	99039
S4 (119)	17/08/01	09:37:49	09:50:03	00:00:40	-----	248-	54-	49-	16317
A2 (06)	17/08/01	09:43:43	09:55:22	00:05:19	-----	287-	26-	55-	2673
D8 (36)	17/08/01	09:46:20	09:59:32	00:04:10	-----	300-	70-	133-	92165
B6 (18)	17/08/01	09:51:16	10:04:31	00:04:58	-----	244-	70-	55-	99127
A1 (05)	17/08/01	09:51:51	10:03:25	00:01:05	-----	289-	25-	56-	2582
S1 (116)	17/08/01	10:04:03	10:15:55	00:11:52	00:00:38	260-	38-	47-	16318
B7 (19)	17/08/01	10:05:57	10:19:07	00:03:11	-----	249-	60-	54-	99127
A3 (07)	17/08/01	10:08:15	10:19:42	00:00:35	-----	293-	24-	58-	2674
D3 (31)	17/08/01	10:09:00	10:21:12	00:01:29	-----	291-	33-	156-	92122
B8 (20)	17/08/01	10:22:38	10:35:40	00:13:01	00:01:26	255-	50-	53-	99138
A4 (08)	17/08/01	10:23:41	10:35:04	00:00:03	-----	297-	24-	61-	2674
D2 (30)	17/08/01	10:29:05	10:41:11	00:06:07	-----	290-	31-	157-	92210
D4 (32)	17/08/01	10:29:16	10:40:31	00:00:04	-----	284-	23-	166-	92209
S2 (113)	17/08/01	10:30:02	10:41:28	00:00:57	-----	270-	30-	46-	16406
A8 (12)	17/08/01	10:35:04	10:46:26	00:04:57	-----	300-	23-	63-	2655
B4 (16)	17/08/01	10:36:02	10:48:58	00:02:32	-----	258-	47-	53-	99127
A5 (09)	17/08/01	10:48:11	10:59:33	00:10:34	-----	301-	24-	65-	2674
B3 (15)	17/08/01	10:50:08	11:02:55	00:03:22	-----	263-	41-	53-	99127
D6 (34)	17/08/01	10:53:19	11:05:01	00:02:05	-----	287-	27-	162-	92213
S3 (112)	17/08/01	10:56:50	11:07:47	00:02:45	-----	280-	24-	45-	16401

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A7 (11)	17/08/01	11:00:20	11:11:45	00:03:58	-----	304-	24-	68-	2674
B2 (14)	17/08/01	11:06:16	11:18:50	00:07:05	-----	269-	36-	52-	99127
D7 (35)	17/08/01	11:11:53	11:22:46	00:03:55	-----	282-	21-	170-	92210
A6 (10)	17/08/01	11:13:57	11:25:28	00:02:41	-----	305-	25-	71-	20176
B1 (13)	17/08/01	11:22:36	11:35:00	00:09:32	-----	274-	33-	53-	99040
S4 (119)	17/08/01	11:23:18	11:33:47	00:01:01	-----	289-	21-	46-	16318
A2 (06)	17/08/01	11:30:05	11:41:47	00:08:00	-----	307-	26-	76-	2674
D8 (36)	17/08/01	11:33:27	11:42:19	00:00:32	-----	272-	13-	187-	92166
A1 (05)	17/08/01	11:38:08	11:49:55	00:07:35	-----	307-	27-	78-	2583
B6 (18)	17/08/01	11:38:09	11:50:13	00:00:18	-----	282-	28-	54-	99128
S1 (116)	17/08/01	11:49:48	11:59:53	00:09:40	-----	298-	18-	49-	16319
B7 (19)	17/08/01	11:52:58	12:04:54	00:05:00	-----	286-	27-	55-	99128
A3 (07)	17/08/01	11:54:21	12:06:20	00:01:25	-----	308-	30-	83-	2675
A4 (08)	17/08/01	12:09:34	12:21:47	00:12:12	00:03:14	308-	34-	90-	2675
B8 (20)	17/08/01	12:09:47	12:21:34	00:00:01	-----	290-	25-	57-	99139
S2 (113)	17/08/01	12:15:50	12:25:45	00:04:10	-----	305-	18-	53-	16407
A8 (12)	17/08/01	12:20:50	12:33:11	00:07:26	-----	309-	37-	93-	2656
B4 (16)	17/08/01	12:23:12	12:34:57	00:01:46	-----	292-	25-	58-	99128
A5 (09)	17/08/01	12:33:49	12:46:18	00:11:20	-----	308-	40-	97-	2675
B3 (15)	17/08/01	12:37:20	12:49:02	00:02:43	-----	295-	24-	60-	99128
S3 (112)	17/08/01	12:42:30	12:52:26	00:03:24	-----	310-	18-	58-	16402
A7 (11)	17/08/01	12:45:49	12:58:28	00:06:01	-----	308-	46-	102-	2675
B2 (14)	17/08/01	12:53:28	13:05:08	00:06:39	-----	299-	24-	63-	99128
A6 (10)	17/08/01	12:59:21	13:12:07	00:06:59	-----	307-	51-	106-	20177
S4 (119)	17/08/01	13:08:41	13:18:50	00:06:42	-----	313-	19-	65-	16319
B1 (13)	17/08/01	13:09:45	13:21:28	00:02:37	-----	301-	24-	66-	99041
T1 (118)	17/08/01	13:11:45	13:20:28	00:01:00	-----	175-	14-	84-	16200
A2 (06)	17/08/01	13:15:22	13:28:18	00:07:50	-----	306-	63-	113-	2675
A1 (05)	17/08/01	13:23:22	13:36:21	00:08:02	-----	305-	69-	116-	2584
B6 (18)	17/08/01	13:25:07	13:37:00	00:00:38	-----	305-	26-	73-	99129
C3 (23)	17/08/01	13:32:13	13:43:04	00:06:04	-----	189-	20-	76-	98485
S1 (116)	17/08/01	13:34:47	13:45:20	00:02:16	-----	315-	21-	74-	16320
A3 (07)	17/08/01	13:39:32	13:52:32	00:07:11	-----	304-	84-	122-	2676
B7 (19)	17/08/01	13:39:49	13:51:49	00:00:04	-----	306-	27-	76-	99129
C1 (21)	17/08/01	13:44:11	13:55:45	00:03:56	-----	196-	26-	72-	98443
T2 (110)	17/08/01	13:45:02	13:55:55	00:00:09	-----	193-	26-	70-	16284
A4 (08)	17/08/01	13:54:43	14:07:39	00:11:44	-----	301-	76-	130-	2676
B8 (20)	17/08/01	13:56:27	14:08:36	00:00:57	-----	307-	29-	81-	99140
S2 (113)	17/08/01	14:00:24	14:11:26	00:02:49	-----	316-	25-	83-	16408
A8 (12)	17/08/01	14:06:00	14:18:51	00:07:24	-----	300-	66-	135-	2657
C7 (27)	17/08/01	14:07:43	14:20:03	00:01:12	-----	205-	35-	67-	98482
B4 (16)	17/08/01	14:09:47	14:22:03	00:02:00	-----	308-	30-	83-	99129
T4 (114)	17/08/01	14:18:03	14:30:00	00:07:56	-----	212-	45-	61-	16287
A5 (09)	17/08/01	14:19:00	14:31:44	00:01:44	-----	298-	56-	139-	2676
B3 (15)	17/08/01	14:23:46	14:36:12	00:04:28	-----	308-	33-	88-	99129
S3 (112)	17/08/01	14:26:43	14:38:13	00:02:01	-----	315-	31-	93-	16403
A7 (11)	17/08/01	14:31:05	14:43:34	00:05:21	-----	295-	45-	145-	2676
B2 (14)	17/08/01	14:39:43	14:52:21	00:08:46	-----	308-	37-	93-	99129
A6 (10)	17/08/01	14:44:42	14:56:56	00:04:35	-----	293-	38-	150-	20178
T3 (105)	17/08/01	14:50:04	14:59:58	00:03:01	-----	181-	17-	78-	15449

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
S4 (119)	17/08/01	14:52:36	15:04:32	00:04:34	-----	313-	40-	103-	16320
T1 (118)	17/08/01	14:53:07	15:05:29	00:00:57	-----	230-	84-	55-	16201
B1 (13)	17/08/01	14:55:50	15:08:41	00:03:11	-----	308-	42-	98-	99042
A2 (06)	17/08/01	15:00:54	15:12:37	00:03:55	-----	289-	29-	159-	2676
A1 (05)	17/08/01	15:09:01	15:20:25	00:07:48	-----	287-	26-	163-	2585
B6 (18)	17/08/01	15:10:58	15:24:05	00:03:40	-----	307-	55-	108-	99130
C3 (23)	17/08/01	15:16:11	15:29:28	00:05:22	-----	238-	84-	56-	98486
S1 (116)	17/08/01	15:18:29	15:30:45	00:01:17	-----	310-	58-	115-	16321
A3 (07)	17/08/01	15:25:28	15:36:00	00:05:14	-----	281-	20-	172-	2677
B7 (19)	17/08/01	15:25:34	15:38:47	00:02:46	-----	306-	64-	113-	99130
T2 (110)	17/08/01	15:27:50	15:40:07	00:01:19	-----	245-	59-	50-	16285
C1 (21)	17/08/01	15:28:39	15:41:53	00:01:46	-----	244-	71-	55-	98444
A4 (08)	17/08/01	15:41:10	15:50:18	00:08:24	-----	274-	14-	184-	2677
B8 (20)	17/08/01	15:42:08	15:55:24	00:05:05	-----	304-	77-	119-	99141
S2 (113)	17/08/01	15:44:03	15:56:26	00:01:02	-----	307-	83-	125-	16409
C7 (27)	17/08/01	15:52:50	16:05:55	00:09:29	-----	252-	55-	54-	98483
A8 (12)	17/08/01	15:52:50	16:00:57	00:04:05	-----	268-	12-	192-	2658
B4 (16)	17/08/01	15:55:26	16:08:44	00:07:46	-----	304-	84-	122-	99130
T4 (114)	17/08/01	16:01:54	16:13:47	00:05:03	-----	259-	39-	47-	16288
A5 (09)	17/08/01	16:06:24	16:13:08	00:00:03	-----	261-	9-	201-	2677
B3 (15)	17/08/01	16:09:24	16:22:41	00:09:33	-----	302-	83-	127-	99130
S3 (112)	17/08/01	16:10:23	16:22:40	00:00:00	-----	303-	66-	137-	16404
A7 (11)	17/08/01	16:19:40	16:23:35	00:00:55	-----	251-	6-	214-	2677
G2 (04)	17/08/01	16:23:16	16:32:29	00:08:53	-----	54-	16-	152-	1288
B2 (14)	17/08/01	16:25:20	16:38:31	00:06:01	-----	300-	67-	134-	99130
T3 (105)	17/08/01	16:32:44	16:45:33	00:07:02	-----	234-	85-	53-	15450
S4 (119)	17/08/01	16:36:26	16:48:19	00:02:46	-----	297-	43-	149-	16321
T1 (118)	17/08/01	16:37:55	16:49:07	00:00:48	-----	274-	27-	45-	16202
B1 (13)	17/08/01	16:41:31	16:54:32	00:05:24	-----	297-	54-	140-	99043
B6 (18)	17/08/01	16:56:49	17:09:16	00:12:26	00:02:17	292-	36-	152-	99131
S1 (116)	17/08/01	17:02:40	17:13:39	00:04:23	-----	290-	27-	164-	16322
C3 (23)	17/08/01	17:02:52	17:15:08	00:01:28	-----	277-	31-	53-	98487
B7 (19)	17/08/01	17:11:34	17:23:34	00:08:26	-----	289-	29-	159-	99131
T2 (110)	17/08/01	17:13:14	17:23:49	00:00:14	-----	287-	21-	46-	16286
C1 (21)	17/08/01	17:15:31	17:27:36	00:03:47	-----	282-	28-	54-	98445
B8 (20)	17/08/01	17:28:22	17:39:38	00:11:15	00:00:46	284-	23-	166-	99142
S2 (113)	17/08/01	17:28:45	17:38:18	00:01:02	-----	280-	17-	179-	16410
C7 (27)	17/08/01	17:39:55	17:51:46	00:11:51	00:01:36	288-	26-	56-	98484
B4 (16)	17/08/01	17:41:49	17:52:44	00:00:58	-----	282-	21-	171-	99131
T4 (114)	17/08/01	17:47:38	17:57:44	00:04:59	-----	298-	18-	48-	16289
S3 (112)	17/08/01	17:56:05	18:03:07	00:05:23	-----	267-	10-	199-	16405
B3 (15)	17/08/01	17:56:05	18:06:07	00:03:00	-----	277-	17-	178-	99131
G2 (04)	17/08/01	18:00:32	18:12:35	00:06:27	-----	17-	55-	219-	1289
B2 (14)	17/08/01	18:12:35	18:21:08	00:08:32	-----	270-	12-	190-	99131
T3 (105)	17/08/01	18:18:33	18:30:04	00:08:55	-----	277-	26-	46-	15451
T1 (118)	17/08/01	18:23:40	18:33:33	00:03:29	-----	307-	17-	55-	16203
B1 (13)	17/08/01	18:29:29	18:36:14	00:02:40	-----	261-	9-	202-	99044
C3 (23)	17/08/01	18:49:58	19:01:44	00:11:46	00:13:44	303-	25-	69-	98488
K4 (104)	17/08/01	18:56:30	19:02:18	00:00:33	-----	157-	8-	102-	15487
K7 (107)	17/08/01	18:57:48	19:05:40	00:03:22	-----	168-	12-	89-	15315

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
T2 (110)	17/08/01	18:58:42	19:08:46	00:03:06	-----	312-	18-	63-	16287
C1 (21)	17/08/01	19:02:30	19:14:22	00:05:35	-----	305-	26-	73-	98446
K6 (106)	17/08/01	19:21:28	19:31:24	00:09:56	00:07:05	185-	19-	76-	16214
C7 (27)	17/08/01	19:26:41	19:38:45	00:07:20	-----	307-	28-	79-	98485
T4 (114)	17/08/01	19:32:38	19:43:09	00:04:24	-----	315-	21-	73-	16290
G2 (04)	17/08/01	19:41:51	19:46:10	00:03:01	-----	335-	7-	290-	1290
K3 (103)	17/08/01	19:47:21	19:58:33	00:11:11	00:01:10	198-	29-	67-	15316
T3 (105)	17/08/01	20:05:06	20:15:32	00:10:25	00:06:33	308-	19-	58-	15452
T1 (118)	17/08/01	20:08:05	20:19:18	00:03:46	-----	315-	27-	87-	16204
K9 (109)	17/08/01	20:13:55	20:25:56	00:06:37	-----	214-	49-	60-	15316
C3 (23)	17/08/01	20:35:57	20:48:56	00:12:58	00:10:01	308-	47-	103-	98489
K4 (104)	17/08/01	20:36:26	20:48:33	00:00:02	-----	219-	58-	59-	15488
K7 (107)	17/08/01	20:38:42	20:51:02	00:02:28	-----	226-	74-	56-	15316
T2 (110)	17/08/01	20:42:40	20:54:31	00:03:28	-----	314-	38-	100-	16288
C1 (21)	17/08/01	20:48:21	21:01:28	00:06:57	-----	307-	54-	108-	98447
K6 (106)	17/08/01	21:03:35	21:15:58	00:12:22	00:02:07	237-	77-	52-	16215
C7 (27)	17/08/01	21:12:24	21:25:39	00:09:41	-----	305-	69-	116-	98486
T4 (114)	17/08/01	21:16:21	21:28:35	00:02:56	-----	311-	57-	114-	16291
K3 (103)	17/08/01	21:30:25	21:42:37	00:12:12	00:01:50	248-	53-	49-	15317
T3 (105)	17/08/01	21:50:16	22:02:11	00:11:54	00:07:38	314-	31-	92-	15453
T1 (118)	17/08/01	21:51:43	22:04:06	00:01:54	-----	305-	84-	130-	16205
K9 (109)	17/08/01	21:57:54	22:09:42	00:05:36	-----	261-	37-	47-	15317
K4 (104)	17/08/01	22:20:48	22:32:20	00:11:32	00:11:06	265-	33-	46-	15489
C3 (23)	17/08/01	22:21:42	22:34:31	00:02:10	-----	295-	46-	145-	98490
K7 (107)	17/08/01	22:23:18	22:34:41	00:00:09	-----	271-	29-	45-	15317
T2 (110)	17/08/01	22:26:27	22:38:28	00:03:47	-----	299-	48-	146-	16289
C1 (21)	17/08/01	22:34:12	22:46:39	00:08:11	-----	292-	37-	152-	98448
K6 (106)	17/08/01	22:48:42	22:59:36	00:10:53	00:02:02	281-	24-	45-	16216
C7 (27)	17/08/01	22:58:30	23:10:11	00:10:35	-----	287-	26-	162-	98487
T4 (114)	17/08/01	23:00:30	23:11:32	00:01:21	-----	290-	27-	163-	16292
K3 (103)	17/08/01	23:15:55	23:26:22	00:10:26	00:04:22	290-	20-	46-	15318
T3 (105)	17/08/01	23:34:47	23:47:33	00:12:45	00:08:25	303-	70-	136-	15454
T1 (118)	17/08/01	23:36:45	23:45:27	00:02:05	-----	276-	14-	186-	16206
K9 (109)	17/08/01	23:43:40	23:53:42	00:08:14	-----	299-	18-	49-	15318
K4 (104)	17/08/02	00:06:41	00:16:32	00:09:51	00:12:59	302-	18-	50-	15490
K7 (107)	17/08/02	00:09:05	00:18:58	00:02:25	-----	305-	17-	53-	15318
C3 (23)	17/08/02	00:10:36	00:15:07	00:03:05	-----	250-	7-	215-	98491
D8 (36)	17/08/02	00:24:39	00:31:41	00:07:01	00:09:32	162-	9-	99-	92174
K6 (106)	17/08/02	00:34:21	00:44:16	00:09:54	00:02:40	310-	18-	58-	16217
D3 (31)	17/08/02	00:44:23	00:55:44	00:11:21	00:00:07	194-	24-	74-	92131
K3 (103)	17/08/02	01:01:18	01:11:26	00:10:08	00:05:33	313-	19-	65-	15319
D4 (32)	17/08/02	01:04:05	01:16:21	00:04:55	-----	203-	34-	68-	92218
D2 (30)	17/08/02	01:04:23	01:15:51	00:00:03	-----	193-	25-	73-	92219
T3 (105)	17/08/02	01:21:08	01:29:03	00:07:55	00:05:16	270-	11-	193-	15455
D6 (34)	17/08/02	01:28:13	01:40:07	00:11:03	-----	199-	29-	70-	92222
K9 (109)	17/08/02	01:28:35	01:39:11	00:00:05	-----	315-	22-	75-	15319
D7 (35)	17/08/02	01:46:06	01:58:33	00:12:26	00:06:55	207-	37-	66-	92219
K4 (104)	17/08/02	01:51:32	02:02:14	00:03:41	-----	316-	23-	78-	15491
K7 (107)	17/08/02	01:53:38	02:04:40	00:02:26	-----	316-	25-	83-	15319
G2 (04)	17/08/02	02:02:14	02:06:53	00:02:12	-----	68-	7-	27-	1294

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D8 (36)	17/08/02	02:06:30	02:19:31	00:12:38	-----	220-	56-	62-	92175
K6 (106)	17/08/02	02:18:33	02:30:03	00:10:31	-----	315-	31-	93-	16218
D3 (31)	17/08/02	02:28:41	02:41:57	00:11:54	-----	241-	75-	56-	92132
K3 (103)	17/08/02	02:45:12	02:57:08	00:11:55	00:03:14	313-	41-	103-	15320
D2 (30)	17/08/02	02:48:47	03:02:01	00:04:53	-----	243-	72-	55-	92220
D4 (32)	17/08/02	02:49:08	03:02:17	00:00:16	-----	251-	57-	54-	92219
K9 (109)	17/08/02	03:12:17	03:24:33	00:12:16	00:09:59	310-	61-	116-	15320
D6 (34)	17/08/02	03:12:56	03:26:08	00:01:34	-----	247-	64-	54-	92223
D7 (35)	17/08/02	03:31:18	03:44:23	00:13:05	00:05:10	253-	54-	53-	92220
K4 (104)	17/08/02	03:35:15	03:47:35	00:03:11	-----	309-	70-	120-	15492
G2 (04)	17/08/02	03:35:39	03:48:10	00:00:35	-----	140-	53-	344-	1295
K7 (107)	17/08/02	03:37:16	03:49:38	00:01:27	-----	307-	85-	126-	15320
D8 (36)	17/08/02	03:52:24	04:05:11	00:12:47	00:02:45	263-	41-	52-	92176
K6 (106)	17/08/02	04:02:13	04:14:28	00:09:17	-----	303-	65-	137-	16219
D3 (31)	17/08/02	04:15:31	04:27:38	00:12:07	00:01:02	280-	29-	54-	92133
K3 (103)	17/08/02	04:29:02	04:40:52	00:11:50	00:01:23	297-	42-	150-	15321
A4 (08)	17/08/02	04:30:15	04:35:00	00:05:05	-----	148-	7-	105-	2685
D2 (30)	17/08/02	04:35:38	04:47:42	00:12:04	00:00:38	281-	28-	54-	92221
D4 (32)	17/08/02	04:36:15	04:48:08	00:00:26	-----	287-	26-	56-	92220
A8 (12)	17/08/02	04:40:26	04:47:08	00:01:00	-----	161-	9-	100-	2666
A5 (09)	17/08/02	04:52:36	05:00:42	00:08:05	00:05:28	169-	11-	92-	2685
K9 (109)	17/08/02	04:56:30	05:07:19	00:06:36	-----	289-	25-	166-	15321
D6 (34)	17/08/02	04:59:55	05:11:52	00:04:33	-----	284-	27-	55-	92224
A7 (11)	17/08/02	05:03:49	05:13:15	00:01:22	-----	179-	15-	84-	2685
G2 (04)	17/08/02	05:15:28	05:25:38	00:10:10	00:02:12	202-	18-	309-	1296
A6 (10)	17/08/02	05:16:52	05:27:06	00:01:27	-----	185-	18-	79-	20187
D7 (35)	17/08/02	05:18:25	05:30:14	00:03:08	-----	289-	26-	56-	92221
K4 (104)	17/08/02	05:19:45	05:30:05	00:00:09	-----	285-	21-	172-	15493
K7 (107)	17/08/02	05:22:01	05:31:26	00:01:21	-----	280-	16-	180-	15321
A2 (06)	17/08/02	05:22:16	05:43:29	00:11:13	00:00:49	195-	24-	73-	2685
D8 (36)	17/08/02	05:39:38	05:51:18	00:07:49	-----	296-	24-	60-	92177
A1 (05)	17/08/02	05:40:03	05:51:36	00:00:17	-----	196-	27-	71-	2594
K6 (106)	17/08/02	05:47:57	05:54:52	00:03:16	-----	266-	10-	200-	16220
A3 (07)	17/08/02	05:55:50	06:07:57	00:12:06	00:00:57	205-	35-	67-	2686
D3 (31)	17/08/02	06:02:33	06:14:19	00:06:22	-----	304-	25-	71-	92134
A4 (08)	17/08/02	06:10:37	06:23:15	00:08:56	-----	215-	47-	64-	2686
A8 (12)	17/08/02	06:21:46	06:34:34	00:11:18	-----	220-	55-	62-	2667
D2 (30)	17/08/02	06:22:39	06:34:26	00:00:07	-----	305-	25-	72-	92222
D4 (32)	17/08/02	06:23:07	06:35:06	00:00:40	-----	306-	27-	77-	92221
A5 (09)	17/08/02	06:34:40	06:47:34	00:12:27	-----	225-	65-	60-	2686
S3 (112)	17/08/02	06:34:50	06:41:19	00:06:01	-----	160-	9-	98-	16413
A7 (11)	17/08/02	06:46:36	06:59:37	00:13:00	00:05:16	231-	78-	58-	2686
D6 (34)	17/08/02	06:46:50	06:58:43	00:00:05	-----	306-	26-	75-	92225
S4 (119)	17/08/02	06:59:09	07:08:23	00:09:13	00:00:26	179-	16-	81-	16330
A6 (10)	17/08/02	07:00:07	07:13:10	00:04:47	-----	235-	90-	57-	20188
B2 (14)	17/08/02	07:03:21	07:10:48	00:02:02	-----	165-	10-	96-	99139
D7 (35)	17/08/02	07:05:10	07:17:14	00:06:25	-----	307-	28-	79-	92222
A2 (06)	17/08/02	07:16:11	07:29:12	00:11:58	-----	242-	73-	55-	2686
B1 (13)	17/08/02	07:18:33	07:27:36	00:01:03	-----	175-	13-	87-	99052
S1 (116)	17/08/02	07:24:02	07:34:56	00:07:19	-----	193-	26-	70-	16331

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A1 (05)	17/08/02	07:24:12	07:37:12	00:02:15	-----	245-	67-	55-	2595
D8 (36)	17/08/02	07:26:03	07:38:29	00:01:17	-----	308-	33-	88-	92178
B6 (18)	17/08/02	07:32:30	07:43:28	00:04:58	-----	190-	21-	76-	99140
A3 (07)	17/08/02	07:40:29	07:53:21	00:09:53	-----	252-	55-	53-	2687
B7 (19)	17/08/02	07:46:39	07:58:18	00:04:57	-----	197-	26-	72-	99140
D3 (31)	17/08/02	07:48:27	08:01:28	00:03:09	-----	307-	51-	106-	92135
S2 (113)	17/08/02	07:49:02	08:00:47	00:00:04	-----	207-	40-	63-	16419
A4 (08)	17/08/02	07:55:48	08:08:30	00:07:42	-----	259-	45-	53-	2687
B8 (20)	17/08/02	08:02:49	08:15:03	00:06:32	-----	203-	33-	68-	99151
A8 (12)	17/08/02	08:07:12	08:19:45	00:04:42	-----	263-	41-	52-	2668
D2 (30)	17/08/02	08:08:31	08:21:33	00:01:48	-----	307-	53-	107-	92223
D4 (32)	17/08/02	08:08:53	08:22:05	00:00:31	-----	306-	66-	115-	92222
S3 (112)	17/08/02	08:15:00	08:27:14	00:05:09	-----	221-	62-	58-	16414
B4 (16)	17/08/02	08:16:00	08:28:26	00:01:11	-----	207-	37-	66-	99140
A5 (09)	17/08/02	08:20:20	08:32:43	00:04:17	-----	267-	37-	52-	2687
B3 (15)	17/08/02	08:29:44	08:42:28	00:09:45	-----	213-	45-	64-	99140
A7 (11)	17/08/02	08:32:32	08:44:45	00:02:16	-----	272-	33-	52-	2687
D6 (34)	17/08/02	08:32:37	08:45:46	00:01:00	-----	306-	59-	111-	92226
S4 (119)	17/08/02	08:40:49	08:53:13	00:07:27	-----	233-	89-	54-	16331
B2 (14)	17/08/02	08:45:26	08:58:29	00:05:15	-----	222-	58-	61-	99140
A6 (10)	17/08/02	08:46:15	08:58:19	00:00:09	-----	276-	31-	52-	20189
D7 (35)	17/08/02	08:50:53	09:04:06	00:05:47	-----	305-	71-	117-	92223
B1 (13)	17/08/02	09:01:27	09:14:39	00:10:32	-----	228-	72-	59-	99053
A2 (06)	17/08/02	09:02:33	09:14:25	00:00:01	-----	281-	28-	53-	2687
S1 (116)	17/08/02	09:06:50	09:19:08	00:04:43	-----	245-	59-	50-	16332
A1 (05)	17/08/02	09:10:40	09:22:26	00:03:18	-----	284-	27-	54-	2596
D8 (36)	17/08/02	09:11:41	09:24:57	00:02:30	-----	302-	82-	128-	92179
B6 (18)	17/08/02	09:16:33	09:29:49	00:04:51	-----	239-	82-	56-	99141
A3 (07)	17/08/02	09:27:06	09:38:42	00:08:53	-----	288-	25-	55-	2688
B7 (19)	17/08/02	09:31:11	09:44:25	00:05:43	-----	244-	69-	55-	99141
S2 (113)	17/08/02	09:32:39	09:44:40	00:00:14	-----	256-	43-	48-	16420
D3 (31)	17/08/02	09:34:15	09:46:48	00:02:07	-----	293-	39-	149-	92136
A4 (08)	17/08/02	09:42:32	09:54:00	00:07:12	-----	293-	24-	58-	2688
B8 (20)	17/08/02	09:47:49	10:00:57	00:06:57	-----	250-	58-	54-	99152
A8 (12)	17/08/02	09:53:58	10:05:21	00:04:24	-----	296-	24-	59-	2669
D2 (30)	17/08/02	09:54:20	10:06:50	00:01:28	-----	293-	38-	151-	92224
D4 (32)	17/08/02	09:54:59	10:06:47	00:00:03	-----	288-	28-	160-	92223
S3 (112)	17/08/02	09:59:20	10:10:56	00:04:09	-----	267-	32-	46-	16415
B4 (16)	17/08/02	10:01:12	10:14:16	00:03:20	-----	253-	53-	53-	99141
A5 (09)	17/08/02	10:07:06	10:18:27	00:04:10	-----	298-	23-	61-	2688
B3 (15)	17/08/02	10:15:17	10:28:13	00:09:45	-----	258-	47-	53-	99141
D6 (34)	17/08/02	10:18:33	10:30:44	00:02:31	-----	290-	32-	156-	92227
A7 (11)	17/08/02	10:19:16	10:30:38	00:00:06	-----	301-	24-	64-	2688
S4 (119)	17/08/02	10:25:44	10:36:51	00:06:13	-----	277-	26-	45-	16332
B2 (14)	17/08/02	10:31:23	10:44:08	00:07:16	-----	264-	40-	53-	99141
A6 (10)	17/08/02	10:32:56	10:44:20	00:00:12	-----	302-	24-	66-	20190
D7 (35)	17/08/02	10:37:01	10:48:33	00:04:13	-----	286-	25-	164-	92224
B1 (13)	17/08/02	10:47:43	11:00:16	00:11:42	-----	269-	36-	53-	99054
A2 (06)	17/08/02	10:49:06	11:00:38	00:00:21	-----	305-	25-	71-	2688
S1 (116)	17/08/02	10:52:14	11:02:50	00:02:11	-----	287-	21-	46-	16333

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A1 (05)	17/08/02	10:57:09	11:08:45	00:05:54	-----	306-	25-	73-	2597
D8 (36)	17/08/02	10:58:24	11:08:22	00:00:02	-----	277-	16-	179-	92180
B6 (18)	17/08/02	11:03:15	11:15:28	00:07:06	-----	278-	30-	53-	99142
A3 (07)	17/08/02	11:13:25	11:25:10	00:09:41	-----	307-	27-	78-	2689
B7 (19)	17/08/02	11:18:04	11:30:08	00:04:57	-----	282-	28-	54-	99142
S2 (113)	17/08/02	11:18:20	11:28:32	00:01:03	-----	295-	19-	48-	16421
A4 (08)	17/08/02	11:28:38	11:40:37	00:11:58	00:00:06	308-	30-	83-	2689
B8 (20)	17/08/02	11:34:52	11:46:45	00:06:08	-----	287-	26-	56-	99153
A8 (12)	17/08/02	11:39:56	11:52:03	00:05:17	-----	308-	32-	87-	2670
S3 (112)	17/08/02	11:45:07	11:55:05	00:03:02	-----	302-	18-	51-	16416
B4 (16)	17/08/02	11:48:18	12:00:08	00:05:03	-----	289-	26-	56-	99142
A5 (09)	17/08/02	11:52:56	12:05:11	00:05:02	-----	309-	34-	91-	2689
B3 (15)	17/08/02	12:02:27	12:14:12	00:09:01	-----	292-	25-	58-	99142
A7 (11)	17/08/02	12:04:57	12:17:23	00:03:11	-----	308-	38-	95-	2689
S4 (119)	17/08/02	12:11:27	12:21:21	00:03:58	-----	308-	17-	56-	16333
A6 (10)	17/08/02	12:18:30	12:31:04	00:09:42	-----	308-	42-	99-	20191
B2 (14)	17/08/02	12:18:36	12:30:17	00:00:04	-----	296-	24-	61-	99142
A2 (06)	17/08/02	12:34:31	12:47:18	00:12:47	00:04:14	307-	51-	106-	2689
B1 (13)	17/08/02	12:34:55	12:46:35	00:00:04	-----	299-	24-	64-	99055
S1 (116)	17/08/02	12:37:42	12:47:47	00:01:11	-----	312-	18-	63-	16334
A1 (05)	17/08/02	12:42:30	12:55:21	00:07:34	-----	307-	55-	109-	2598
T2 (110)	17/08/02	12:49:32	12:58:13	00:02:51	-----	174-	14-	85-	16298
B6 (18)	17/08/02	12:50:19	13:02:06	00:03:53	-----	303-	25-	69-	99143
C3 (23)	17/08/02	12:58:09	13:08:11	00:06:05	-----	182-	17-	81-	98499
A3 (07)	17/08/02	12:58:40	13:11:37	00:03:26	-----	306-	67-	115-	2690
S2 (113)	17/08/02	13:03:27	13:13:52	00:02:14	-----	315-	20-	71-	16422
B7 (19)	17/08/02	13:05:02	13:16:55	00:03:02	-----	305-	26-	73-	99143
C1 (21)	17/08/02	13:09:54	13:20:51	00:03:56	-----	190-	21-	76-	98457
A4 (08)	17/08/02	13:13:49	13:26:48	00:05:57	-----	304-	85-	123-	2690
B8 (20)	17/08/02	13:21:41	13:33:41	00:06:53	-----	306-	28-	77-	99154
T4 (114)	17/08/02	13:21:56	13:32:45	00:00:05	-----	192-	25-	70-	16301
A8 (12)	17/08/02	13:25:05	13:38:04	00:05:18	-----	302-	85-	127-	2671
S3 (112)	17/08/02	13:29:51	13:40:42	00:02:38	-----	315-	23-	79-	16417
C7 (27)	17/08/02	13:33:19	13:45:15	00:04:32	-----	201-	29-	70-	98496
B4 (16)	17/08/02	13:35:02	13:47:08	00:01:53	-----	307-	29-	80-	99143
A5 (09)	17/08/02	13:38:05	13:51:00	00:03:51	-----	301-	73-	131-	2690
B3 (15)	17/08/02	13:49:02	14:01:18	00:10:17	-----	308-	31-	84-	99143
A7 (11)	17/08/02	13:50:08	14:02:55	00:01:37	-----	299-	60-	137-	2690
S4 (119)	17/08/02	13:55:48	14:07:08	00:04:12	-----	315-	28-	89-	16334
T1 (118)	17/08/02	13:56:33	14:08:31	00:01:23	-----	213-	48-	61-	16215
A6 (10)	17/08/02	14:03:43	14:16:22	00:07:50	-----	297-	51-	142-	20192
B2 (14)	17/08/02	14:05:00	14:17:28	00:01:06	-----	308-	34-	89-	99143
T3 (105)	17/08/02	14:05:57	14:13:38	00:03:05	-----	165-	11-	92-	15463
A2 (06)	17/08/02	14:19:51	14:32:09	00:12:18	00:06:13	293-	39-	150-	2690
B1 (13)	17/08/02	14:21:08	14:33:49	00:01:39	-----	308-	38-	94-	99056
S1 (116)	17/08/02	14:21:42	14:33:32	00:00:01	-----	314-	38-	100-	16335
A1 (05)	17/08/02	14:27:54	14:40:01	00:06:29	-----	291-	34-	154-	2599
T2 (110)	17/08/02	14:30:53	14:43:15	00:03:14	-----	230-	84-	55-	16299
B6 (18)	17/08/02	14:36:17	14:49:16	00:06:01	-----	307-	48-	103-	99144
C3 (23)	17/08/02	14:41:37	14:54:53	00:05:36	-----	233-	84-	58-	98500

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A3 (07)	17/08/02	14:44:17	14:55:46	00:00:53	-----	287-	27-	162-	2691
S2 (113)	17/08/02	14:47:13	14:59:24	00:03:37	-----	312-	51-	111-	16423
B7 (19)	17/08/02	14:50:53	15:04:00	00:04:36	-----	307-	55-	109-	99144
C1 (21)	17/08/02	14:53:56	15:07:12	00:03:12	-----	239-	82-	56-	98458
A4 (08)	17/08/02	14:59:47	15:10:15	00:03:02	-----	281-	20-	172-	2691
T4 (114)	17/08/02	15:04:41	15:16:59	00:06:44	-----	244-	61-	50-	16302
B8 (20)	17/08/02	15:07:25	15:20:38	00:03:38	-----	306-	66-	114-	99155
A8 (12)	17/08/02	15:11:18	15:21:06	00:00:28	-----	277-	16-	179-	2672
S3 (112)	17/08/02	15:13:29	15:25:52	00:04:46	-----	308-	73-	122-	16418
C7 (27)	17/08/02	15:18:05	15:31:16	00:05:23	-----	247-	64-	54-	98497
B4 (16)	17/08/02	15:20:44	15:34:00	00:02:43	-----	305-	72-	117-	99144
A5 (09)	17/08/02	15:24:38	15:33:31	00:00:02	-----	272-	13-	186-	2691
B3 (15)	17/08/02	15:34:41	15:47:59	00:13:17	00:01:09	304-	84-	122-	99144
A7 (11)	17/08/02	15:37:15	15:44:39	00:03:01	-----	265-	10-	197-	2691
S4 (119)	17/08/02	15:39:26	15:51:48	00:07:08	-----	304-	77-	133-	16335
T1 (118)	17/08/02	15:40:28	15:52:18	00:00:30	-----	260-	38-	47-	16216
T3 (105)	17/08/02	15:47:21	16:00:04	00:07:46	-----	223-	68-	57-	15464
B2 (14)	17/08/02	15:50:37	16:03:52	00:03:47	-----	302-	79-	129-	99144
A6 (10)	17/08/02	15:51:32	15:57:15	00:06:03	-----	256-	8-	207-	20193
G2 (04)	17/08/02	15:57:49	16:00:26	00:02:37	00:00:33	86-	6-	113-	1302
S1 (116)	17/08/02	16:05:28	16:17:29	00:12:01	00:05:01	299-	48-	146-	16336
B1 (13)	17/08/02	16:06:46	16:19:56	00:02:26	-----	299-	65-	135-	99057
T2 (110)	17/08/02	16:15:40	16:26:53	00:06:57	-----	274-	27-	45-	16300
B6 (18)	17/08/02	16:22:01	16:34:47	00:07:53	-----	295-	44-	146-	99145
C3 (23)	17/08/02	16:28:06	16:40:31	00:05:44	-----	273-	33-	53-	98501
S2 (113)	17/08/02	16:31:15	16:42:36	00:02:04	-----	292-	31-	158-	16424
B7 (19)	17/08/02	16:36:44	16:49:08	00:06:32	-----	292-	36-	153-	99145
C1 (21)	17/08/02	16:40:38	16:52:52	00:03:43	-----	278-	30-	53-	98459
T4 (114)	17/08/02	16:50:03	17:00:40	00:07:48	-----	286-	22-	46-	16303
B8 (20)	17/08/02	16:53:27	17:05:17	00:04:37	-----	288-	28-	160-	99156
S3 (112)	17/08/02	16:57:59	17:08:07	00:02:50	-----	284-	20-	173-	16419
C7 (27)	17/08/02	17:05:03	17:17:01	00:08:54	-----	285-	27-	55-	98498
B4 (16)	17/08/02	17:06:53	17:18:25	00:01:23	-----	286-	25-	164-	99145
B3 (15)	17/08/02	17:21:04	17:31:57	00:10:52	00:02:39	282-	20-	171-	99145
S4 (119)	17/08/02	17:24:41	17:32:51	00:00:54	-----	273-	12-	191-	16336
T1 (118)	17/08/02	17:26:12	17:36:17	00:03:25	-----	298-	18-	49-	16217
G2 (04)	17/08/02	17:32:06	17:44:21	00:08:04	-----	27-	72-	199-	1303
T3 (105)	17/08/02	17:32:40	17:44:36	00:00:15	-----	268-	32-	46-	15465
B2 (14)	17/08/02	17:37:26	17:47:07	00:02:30	-----	276-	15-	181-	99145
B1 (13)	17/08/02	17:54:05	18:02:28	00:08:22	00:06:58	269-	12-	191-	99058
T2 (110)	17/08/02	18:01:25	18:11:19	00:08:50	-----	307-	17-	54-	16301
B6 (18)	17/08/02	18:11:12	18:15:04	00:03:45	-----	246-	6-	219-	99146
C3 (23)	17/08/02	18:15:16	18:26:59	00:11:42	00:00:12	301-	24-	66-	98502
K6 (106)	17/08/02	18:26:35	18:33:12	00:06:13	-----	161-	9-	97-	16228
C1 (21)	17/08/02	18:27:43	18:39:29	00:06:17	-----	303-	25-	69-	98460
T4 (114)	17/08/02	18:35:33	18:45:35	00:06:06	-----	312-	18-	62-	16304
K3 (103)	17/08/02	18:51:41	19:01:00	00:09:19	00:06:05	179-	16-	80-	15330
C7 (27)	17/08/02	18:51:57	19:03:53	00:02:52	-----	306-	27-	75-	98499
T1 (118)	17/08/02	19:11:10	19:21:44	00:10:34	00:07:17	315-	21-	74-	16218
G2 (04)	17/08/02	19:11:47	19:20:29	00:01:01	-----	354-	14-	261-	1304

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
K9 (109)	17/08/02	19:17:45	19:28:46	00:08:17	-----	195-	27-	69-	15330
T3 (105)	17/08/02	19:19:19	19:29:44	00:00:58	-----	303-	19-	53-	15466
K4 (104)	17/08/02	19:41:29	19:52:50	00:11:21	00:11:44	201-	33-	66-	15502
K7 (107)	17/08/02	19:42:13	19:54:01	00:01:10	-----	208-	41-	63-	15330
T2 (110)	17/08/02	19:45:51	19:57:04	00:03:03	-----	315-	27-	87-	16302
C3 (23)	17/08/02	20:01:23	20:14:13	00:12:49	00:04:18	308-	42-	98-	98503
K6 (106)	17/08/02	20:06:49	20:19:04	00:04:51	-----	221-	63-	58-	16229
C1 (21)	17/08/02	20:13:41	20:26:40	00:07:36	-----	307-	48-	103-	98461
T4 (114)	17/08/02	20:19:33	20:31:20	00:04:40	-----	314-	37-	99-	16305
K3 (103)	17/08/02	20:33:24	20:45:47	00:12:22	00:02:04	233-	87-	53-	15331
C7 (27)	17/08/02	20:37:44	20:50:55	00:05:07	-----	306-	60-	111-	98500
T1 (118)	17/08/02	20:54:52	21:07:09	00:12:16	00:03:57	310-	59-	115-	16219
K9 (109)	17/08/02	21:00:40	21:12:55	00:05:45	-----	246-	57-	50-	15331
T3 (105)	17/08/02	21:04:49	21:16:17	00:03:22	-----	315-	26-	83-	15467
K4 (104)	17/08/02	21:24:52	21:36:55	00:12:02	00:08:34	251-	49-	48-	15503
K7 (107)	17/08/02	21:25:54	21:37:52	00:00:57	-----	257-	42-	47-	15331
T2 (110)	17/08/02	21:29:28	21:41:52	00:04:00	-----	305-	85-	130-	16303
C3 (23)	17/08/02	21:47:03	22:00:05	00:13:02	00:05:11	298-	55-	140-	98504
K6 (106)	17/08/02	21:51:11	22:02:44	00:02:39	-----	267-	32-	46-	16230
C1 (21)	17/08/02	21:59:25	22:12:11	00:09:26	-----	295-	44-	146-	98462
T4 (114)	17/08/02	22:03:18	22:15:20	00:03:09	-----	299-	49-	145-	16306
K3 (103)	17/08/02	22:18:20	22:29:25	00:11:04	00:03:00	277-	26-	45-	15332
C7 (27)	17/08/02	22:23:40	22:35:50	00:06:25	-----	290-	32-	156-	98501
T1 (118)	17/08/02	22:39:03	22:50:00	00:10:56	00:03:12	289-	26-	164-	16220
K9 (109)	17/08/02	22:46:07	22:56:38	00:06:38	-----	288-	21-	46-	15332
T3 (105)	17/08/02	22:49:19	23:02:09	00:05:31	-----	307-	83-	125-	15468
K4 (104)	17/08/02	23:10:32	23:20:47	00:10:14	00:08:22	292-	20-	46-	15504
K7 (107)	17/08/02	23:11:35	23:21:45	00:00:58	-----	296-	19-	48-	15332
T2 (110)	17/08/02	23:14:29	23:23:15	00:01:29	-----	276-	14-	185-	16304
C3 (23)	17/08/02	23:34:58	23:41:52	00:06:53	00:11:43	262-	9-	201-	98505
K6 (106)	17/08/02	23:36:59	23:46:54	00:05:02	-----	303-	18-	51-	16231
C1 (21)	17/08/02	23:48:33	23:52:30	00:03:57	00:01:39	246-	6-	218-	98463
T4 (114)	17/08/02	23:50:23	23:54:09	00:01:39	-----	253-	6-	216-	16307
D8 (36)	17/08/02	23:51:24	23:55:58	00:01:48	-----	145-	7-	104-	92188
K3 (103)	17/08/03	00:04:03	00:13:56	00:09:52	00:08:05	308-	17-	56-	15333
D3 (31)	17/08/03	00:10:12	00:20:52	00:06:55	-----	187-	19-	78-	92145
D2 (30)	17/08/03	00:30:09	00:41:00	00:10:50	00:09:17	189-	20-	77-	92233
D4 (32)	17/08/03	00:30:15	00:42:07	00:01:07	-----	199-	28-	71-	92232
K9 (109)	17/08/03	00:31:32	00:41:37	00:00:02	-----	313-	18-	64-	15333
T3 (105)	17/08/03	00:34:51	00:44:56	00:03:18	-----	282-	18-	177-	15469
D6 (34)	17/08/03	00:53:56	01:05:19	00:11:23	00:09:00	194-	24-	73-	92236
K4 (104)	17/08/03	00:55:54	01:06:03	00:00:43	-----	314-	19-	67-	15505
K7 (107)	17/08/03	00:56:41	01:07:06	00:01:02	-----	315-	20-	71-	15333
D7 (35)	17/08/03	01:11:44	01:23:47	00:12:03	00:04:38	200-	31-	69-	92233
K6 (106)	17/08/03	01:21:41	01:32:32	00:08:44	-----	316-	24-	80-	16232
D8 (36)	17/08/03	01:32:01	01:44:50	00:12:17	-----	215-	46-	64-	92189
K3 (103)	17/08/03	01:48:23	01:59:43	00:11:20	00:03:32	315-	29-	89-	15334
D3 (31)	17/08/03	01:54:02	02:07:19	00:07:36	-----	236-	87-	57-	92146
D2 (30)	17/08/03	02:14:07	02:27:23	00:13:15	00:06:47	238-	84-	56-	92234
D4 (32)	17/08/03	02:14:58	02:28:12	00:00:49	-----	246-	66-	55-	92233

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
K9 (109)	17/08/03	02:15:29	02:27:21	00:00:05	-----	314-	39-	101-	15334
D6 (34)	17/08/03	02:38:16	02:51:31	00:13:14	00:10:54	242-	74-	55-	92237
K4 (104)	17/08/03	02:39:49	02:51:49	00:00:17	-----	313-	44-	106-	15506
K7 (107)	17/08/03	02:40:26	02:52:37	00:00:47	-----	311-	52-	111-	15334
D7 (35)	17/08/03	02:56:34	03:09:45	00:13:11	00:03:57	248-	62-	54-	92234
K6 (106)	17/08/03	03:05:19	03:17:41	00:07:55	-----	308-	74-	122-	16233
G2 (04)	17/08/03	03:08:03	03:19:24	00:01:43	-----	120-	28-	355-	1309
D8 (36)	17/08/03	03:17:37	03:30:33	00:11:09	-----	259-	46-	53-	92190
K3 (103)	17/08/03	03:32:01	03:44:21	00:12:19	00:01:27	304-	76-	133-	15335
D3 (31)	17/08/03	03:40:41	03:52:58	00:08:36	-----	276-	31-	53-	92147
K9 (109)	17/08/03	03:59:17	04:11:13	00:11:56	00:06:19	298-	45-	147-	15335
D2 (30)	17/08/03	04:00:48	04:13:02	00:01:48	-----	277-	30-	53-	92235
D4 (32)	17/08/03	04:01:58	04:13:58	00:00:56	-----	284-	27-	54-	92234
A5 (09)	17/08/03	04:13:22	04:18:38	00:04:39	-----	156-	7-	103-	2699
K4 (104)	17/08/03	04:23:48	04:35:29	00:11:40	00:05:10	295-	37-	153-	15507
A7 (11)	17/08/03	04:24:04	04:31:37	00:03:05	-----	166-	10-	95-	2699
K7 (107)	17/08/03	04:24:29	04:35:46	00:04:09	-----	292-	30-	160-	15335
D6 (34)	17/08/03	04:25:06	04:37:12	00:01:25	-----	281-	29-	54-	92238
A6 (10)	17/08/03	04:36:55	04:45:40	00:08:28	-----	174-	13-	88-	20201
D7 (35)	17/08/03	04:43:35	04:55:31	00:09:51	-----	285-	27-	55-	92235
G2 (04)	17/08/03	04:45:56	04:58:04	00:02:32	-----	179-	37-	323-	1310
K6 (106)	17/08/03	04:49:50	04:59:52	00:01:48	-----	284-	20-	174-	16234
A2 (06)	17/08/03	04:52:04	05:02:14	00:02:21	-----	184-	18-	80-	2699
A1 (05)	17/08/03	04:59:45	05:10:24	00:08:09	-----	189-	20-	77-	2608
D8 (36)	17/08/03	05:04:49	05:16:33	00:06:09	-----	293-	25-	58-	92191
A3 (07)	17/08/03	05:15:25	05:26:52	00:10:19	-----	195-	26-	72-	2700
K3 (103)	17/08/03	05:17:19	05:25:20	00:01:03	-----	272-	12-	192-	15336
D3 (31)	17/08/03	05:27:48	05:39:30	00:11:41	00:02:28	302-	25-	68-	92148
A4 (08)	17/08/03	05:30:04	05:42:14	00:02:43	-----	205-	35-	67-	2700
A8 (12)	17/08/03	05:41:10	05:53:35	00:11:21	-----	211-	41-	65-	2681
D2 (30)	17/08/03	05:47:55	05:59:37	00:06:01	-----	303-	25-	69-	92236
D4 (32)	17/08/03	05:48:57	06:00:49	00:01:12	-----	305-	26-	74-	92235
A5 (09)	17/08/03	05:53:59	06:06:38	00:05:48	-----	217-	49-	63-	2700
S4 (119)	17/08/03	06:04:54	06:09:36	00:02:57	-----	148-	7-	102-	16344
A7 (11)	17/08/03	06:05:50	06:18:42	00:09:06	-----	223-	60-	61-	2700
D6 (34)	17/08/03	06:12:08	06:23:54	00:05:11	-----	304-	25-	71-	92239
A6 (10)	17/08/03	06:19:19	06:32:17	00:08:22	-----	227-	71-	59-	20202
S1 (116)	17/08/03	06:28:34	06:37:14	00:04:57	-----	174-	14-	85-	16345
B2 (14)	17/08/03	06:29:49	06:35:12	00:02:02	-----	152-	7-	103-	99153
D7 (35)	17/08/03	06:30:28	06:42:24	00:07:11	-----	306-	27-	75-	92236
A2 (06)	17/08/03	06:35:17	06:48:20	00:05:56	-----	235-	89-	57-	2700
A1 (05)	17/08/03	06:43:16	06:56:19	00:07:59	-----	238-	84-	56-	2609
B1 (13)	17/08/03	06:44:39	06:52:19	00:03:05	-----	166-	10-	95-	99066
D8 (36)	17/08/03	06:51:24	07:03:40	00:11:20	-----	308-	31-	84-	92192
S2 (113)	17/08/03	06:53:03	07:03:29	00:00:01	-----	187-	22-	73-	16433
B6 (18)	17/08/03	06:58:18	07:08:28	00:05:00	-----	183-	17-	80-	99154
A3 (07)	17/08/03	06:59:30	07:12:30	00:04:01	-----	244-	68-	55-	2701
B7 (19)	17/08/03	07:12:21	07:23:24	00:10:53	-----	191-	22-	75-	99154
D3 (31)	17/08/03	07:13:49	07:26:42	00:03:18	-----	308-	45-	101-	92149
A4 (08)	17/08/03	07:14:44	07:27:38	00:00:55	-----	252-	55-	53-	2701

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
S3 (112)	17/08/03	07:18:39	07:30:09	00:02:31	-----	203-	34-	65-	16428
A8 (12)	17/08/03	07:26:07	07:38:53	00:08:43	-----	256-	49-	53-	2682
B8 (20)	17/08/03	07:28:23	07:40:11	00:01:17	-----	199-	28-	71-	99165
D2 (30)	17/08/03	07:33:53	07:46:48	00:06:37	-----	308-	46-	102-	92237
D4 (32)	17/08/03	07:34:48	07:47:55	00:01:06	-----	307-	58-	110-	92236
A5 (09)	17/08/03	07:39:13	07:51:51	00:03:56	-----	260-	44-	52-	2701
B4 (16)	17/08/03	07:41:33	07:53:36	00:01:44	-----	201-	31-	69-	99154
S4 (119)	17/08/03	07:44:10	07:56:17	00:02:41	-----	216-	53-	60-	16345
A7 (11)	17/08/03	07:51:24	08:03:52	00:07:35	-----	265-	39-	52-	2701
B3 (15)	17/08/03	07:55:14	08:07:41	00:03:48	-----	207-	38-	66-	99154
D6 (34)	17/08/03	07:58:01	08:11:03	00:03:22	-----	307-	52-	106-	92240
A6 (10)	17/08/03	08:05:06	08:17:26	00:06:22	-----	269-	35-	52-	20203
S1 (116)	17/08/03	08:09:55	08:22:18	00:04:52	-----	230-	83-	55-	16346
B2 (14)	17/08/03	08:10:52	08:23:43	00:01:25	-----	216-	48-	63-	99154
D7 (35)	17/08/03	08:16:15	08:29:24	00:05:40	-----	306-	61-	112-	92237
A2 (06)	17/08/03	08:21:23	08:33:29	00:04:05	-----	275-	31-	52-	2701
B1 (13)	17/08/03	08:26:50	08:39:54	00:06:24	-----	223-	60-	61-	99067
A1 (05)	17/08/03	08:29:30	08:41:29	00:01:35	-----	278-	30-	53-	2610
S2 (113)	17/08/03	08:35:30	08:47:51	00:06:21	-----	241-	68-	51-	16434
D8 (36)	17/08/03	08:37:02	08:50:20	00:02:28	-----	304-	85-	123-	92193
B6 (18)	17/08/03	08:41:51	08:55:06	00:04:46	-----	234-	86-	58-	99155
A3 (07)	17/08/03	08:45:57	08:57:44	00:02:37	-----	283-	27-	54-	2702
B7 (19)	17/08/03	08:56:27	09:09:43	00:11:58	-----	239-	80-	56-	99155
D3 (31)	17/08/03	08:59:32	09:12:21	00:02:38	-----	296-	48-	144-	92150
A4 (08)	17/08/03	09:01:22	09:12:58	00:00:37	-----	288-	25-	55-	2702
S3 (112)	17/08/03	09:02:00	09:14:07	00:01:09	-----	252-	48-	48-	16429
A8 (12)	17/08/03	09:12:49	09:24:19	00:10:11	-----	291-	25-	57-	2683
B8 (20)	17/08/03	09:13:01	09:26:14	00:01:54	-----	245-	67-	55-	99166
D2 (30)	17/08/03	09:19:37	09:32:23	00:06:08	-----	295-	46-	145-	92238
D4 (32)	17/08/03	09:20:45	09:32:58	00:00:35	-----	291-	33-	155-	92237
A5 (09)	17/08/03	09:25:58	09:37:23	00:04:24	-----	294-	24-	58-	2702
B4 (16)	17/08/03	09:26:24	09:39:34	00:02:10	-----	248-	61-	54-	99155
S4 (119)	17/08/03	09:28:16	09:40:01	00:00:27	-----	263-	36-	46-	16346
A7 (11)	17/08/03	09:38:10	09:49:33	00:09:31	-----	297-	24-	60-	2702
B3 (15)	17/08/03	09:40:27	09:53:30	00:03:57	-----	253-	53-	53-	99155
D6 (34)	17/08/03	09:43:49	09:56:23	00:02:52	-----	293-	39-	150-	92241
A6 (10)	17/08/03	09:51:52	10:03:13	00:06:50	-----	299-	24-	62-	20204
S1 (116)	17/08/03	09:54:41	10:05:56	00:02:42	-----	274-	27-	45-	16347
B2 (14)	17/08/03	09:56:32	10:09:25	00:03:29	-----	260-	45-	53-	99155
D7 (35)	17/08/03	10:02:12	10:14:16	00:04:50	-----	290-	31-	158-	92238
A2 (06)	17/08/03	10:08:04	10:19:30	00:05:13	-----	302-	24-	66-	2702
B1 (13)	17/08/03	10:12:50	10:25:33	00:06:03	-----	265-	39-	52-	99068
A1 (05)	17/08/03	10:16:08	10:27:35	00:02:02	-----	303-	24-	68-	2611
S2 (113)	17/08/03	10:20:45	10:31:31	00:03:55	-----	284-	23-	46-	16435
D8 (36)	17/08/03	10:23:27	10:34:17	00:02:45	-----	282-	20-	172-	92194
B6 (18)	17/08/03	10:28:21	10:40:44	00:06:27	-----	274-	32-	53-	99156
A3 (07)	17/08/03	10:32:27	10:44:01	00:03:16	-----	305-	25-	72-	2703
B7 (19)	17/08/03	10:43:10	10:55:23	00:11:21	-----	279-	30-	53-	99156
S3 (112)	17/08/03	10:47:35	10:57:56	00:02:32	-----	292-	20-	47-	16430
A4 (08)	17/08/03	10:47:41	10:59:27	00:01:31	-----	307-	27-	78-	2703

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
D3 (31)	17/08/03	10:48:08	10:53:18	00:06:08	-----	253-	7-	212-	92151
A8 (12)	17/08/03	10:59:01	11:10:53	00:11:52	00:05:42	308-	29-	81-	2684
B8 (20)	17/08/03	10:59:57	11:11:58	00:01:04	-----	283-	28-	54-	99167
D2 (30)	17/08/03	11:08:29	11:12:57	00:00:59	-----	248-	7-	212-	92239
A5 (09)	17/08/03	11:12:02	11:24:02	00:11:04	-----	308-	30-	84-	2703
B4 (16)	17/08/03	11:13:24	11:25:20	00:01:18	-----	286-	27-	55-	99156
S4 (119)	17/08/03	11:14:02	11:24:04	00:01:01	-----	300-	18-	50-	16347
A7 (11)	17/08/03	11:24:04	11:36:15	00:12:10	-----	308-	33-	89-	2703
B3 (15)	17/08/03	11:27:34	11:39:23	00:03:07	-----	289-	26-	56-	99156
A6 (10)	17/08/03	11:37:38	11:49:58	00:10:35	-----	309-	36-	93-	20205
S1 (116)	17/08/03	11:40:27	11:50:21	00:00:22	-----	307-	17-	54-	16348
B2 (14)	17/08/03	11:43:44	11:55:27	00:05:06	-----	293-	25-	59-	99156
A2 (06)	17/08/03	11:53:39	12:06:15	00:10:47	-----	308-	42-	99-	2703
B1 (13)	17/08/03	12:00:03	12:11:44	00:05:29	-----	297-	24-	61-	99069
A1 (05)	17/08/03	12:01:38	12:14:18	00:02:34	-----	308-	45-	102-	2612
S2 (113)	17/08/03	12:06:19	12:16:19	00:02:00	-----	311-	18-	60-	16436
B6 (18)	17/08/03	12:15:30	12:27:13	00:10:53	-----	301-	25-	66-	99157
A3 (07)	17/08/03	12:17:49	12:30:38	00:03:25	-----	307-	54-	108-	2704
C3 (23)	17/08/03	12:24:13	12:33:12	00:02:33	-----	174-	13-	87-	98513
T4 (114)	17/08/03	12:26:30	12:34:59	00:01:46	-----	173-	13-	85-	16315
B7 (19)	17/08/03	12:30:14	12:42:01	00:07:01	-----	303-	25-	70-	99157
S3 (112)	17/08/03	12:32:51	12:43:08	00:01:06	-----	314-	19-	68-	16431
A4 (08)	17/08/03	12:32:56	12:45:53	00:02:45	-----	305-	67-	115-	2704
C1 (21)	17/08/03	12:35:43	12:45:52	00:00:00	-----	183-	17-	80-	98471
A8 (12)	17/08/03	12:44:13	12:57:12	00:11:19	-----	304-	77-	119-	2685
B8 (20)	17/08/03	12:46:53	12:58:46	00:01:34	-----	305-	26-	74-	99168
A5 (09)	17/08/03	12:57:12	13:10:11	00:11:24	-----	303-	87-	124-	2704
S4 (119)	17/08/03	12:58:54	13:09:35	00:00:03	-----	315-	22-	76-	16348
C7 (27)	17/08/03	12:59:00	13:10:25	00:00:49	-----	195-	24-	73-	98510
B4 (16)	17/08/03	13:00:16	13:12:13	00:01:48	-----	306-	27-	76-	99157
T1 (118)	17/08/03	13:00:24	13:11:19	00:00:05	-----	194-	26-	69-	16229
A7 (11)	17/08/03	13:09:13	13:22:10	00:10:51	-----	301-	78-	129-	2704
B3 (15)	17/08/03	13:14:17	13:26:23	00:04:13	-----	307-	29-	80-	99157
A6 (10)	17/08/03	13:22:48	13:35:40	00:09:16	-----	300-	67-	134-	20206
S1 (116)	17/08/03	13:24:53	13:36:06	00:00:25	-----	315-	27-	86-	16349
B2 (14)	17/08/03	13:30:16	13:42:35	00:06:28	-----	308-	31-	85-	99157
T2 (110)	17/08/03	13:34:19	13:46:16	00:03:41	-----	213-	47-	61-	16313
A2 (06)	17/08/03	13:38:52	13:51:34	00:05:17	-----	297-	52-	141-	2704
B1 (13)	17/08/03	13:46:25	13:58:56	00:07:22	-----	308-	34-	90-	99070
A1 (05)	17/08/03	13:46:53	13:59:27	00:00:30	-----	295-	46-	145-	2613
S2 (113)	17/08/03	13:50:25	14:02:06	00:02:39	-----	314-	34-	96-	16437
B6 (18)	17/08/03	14:01:35	14:14:26	00:12:20	-----	308-	43-	99-	99158
A3 (07)	17/08/03	14:03:12	14:15:22	00:00:56	-----	292-	36-	153-	2705
C3 (23)	17/08/03	14:07:05	14:20:17	00:04:54	-----	227-	71-	59-	98514
T4 (114)	17/08/03	14:07:45	14:20:08	00:00:09	-----	229-	81-	55-	16316
B7 (19)	17/08/03	14:16:11	14:29:11	00:09:03	-----	307-	49-	104-	99158
S3 (112)	17/08/03	14:16:41	14:28:45	00:00:02	-----	312-	45-	107-	16432
A4 (08)	17/08/03	14:18:33	14:30:00	00:01:15	-----	287-	26-	162-	2705
C1 (21)	17/08/03	14:19:15	14:32:31	00:02:30	-----	233-	86-	58-	98472
A8 (12)	17/08/03	14:30:00	14:40:57	00:08:26	-----	284-	22-	168-	2686

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B8 (20)	17/08/03	14:32:42	14:45:50	00:04:52	-----	306-	57-	110-	99169
S4 (119)	17/08/03	14:42:35	14:54:54	00:09:04	-----	310-	64-	117-	16349
A5 (09)	17/08/03	14:43:13	14:53:30	00:01:02	-----	280-	19-	174-	2705
T1 (118)	17/08/03	14:43:14	14:55:30	00:02:00	-----	246-	58-	50-	16230
C7 (27)	17/08/03	14:43:21	14:56:36	00:01:06	-----	242-	74-	55-	98511
B4 (16)	17/08/03	14:46:01	14:59:13	00:02:37	-----	306-	62-	113-	99158
A7 (11)	17/08/03	14:55:37	15:04:56	00:05:42	-----	275-	15-	183-	2705
B3 (15)	17/08/03	14:59:59	15:13:15	00:08:19	-----	305-	73-	117-	99158
T3 (105)	17/08/03	15:02:10	15:14:31	00:01:16	-----	212-	46-	61-	15478
S1 (116)	17/08/03	15:08:31	15:20:54	00:06:22	-----	306-	85-	130-	16350
A6 (10)	17/08/03	15:09:34	15:17:52	00:03:01	-----	269-	12-	190-	20207
B2 (14)	17/08/03	15:15:54	15:29:11	00:11:19	-----	303-	88-	124-	99158
T2 (110)	17/08/03	15:18:13	15:30:04	00:00:52	-----	260-	38-	47-	16314
A2 (06)	17/08/03	15:26:36	15:32:33	00:02:29	-----	258-	8-	205-	2705
B1 (13)	17/08/03	15:32:02	15:45:18	00:12:44	-----	301-	77-	130-	99071
S2 (113)	17/08/03	15:34:08	15:46:18	00:01:00	-----	301-	57-	141-	16438
A1 (05)	17/08/03	15:35:16	15:39:40	00:06:03	-----	248-	6-	216-	2614
B6 (18)	17/08/03	15:47:15	16:00:15	00:13:00	00:07:35	297-	53-	141-	99159
T4 (114)	17/08/03	15:52:29	16:03:46	00:03:30	-----	273-	28-	45-	16317
C3 (23)	17/08/03	15:53:20	16:05:55	00:02:09	-----	269-	36-	53-	98515
S3 (112)	17/08/03	16:00:36	16:12:14	00:06:18	-----	295-	36-	154-	16433
B7 (19)	17/08/03	16:01:56	16:14:39	00:02:25	-----	295-	43-	147-	99159
C1 (21)	17/08/03	16:05:46	16:18:09	00:03:29	-----	274-	32-	53-	98473
B8 (20)	17/08/03	16:18:35	16:30:52	00:12:16	00:00:26	291-	34-	154-	99170
S4 (119)	17/08/03	16:26:52	16:37:33	00:06:40	-----	287-	24-	167-	16350
T1 (118)	17/08/03	16:28:39	16:39:12	00:01:39	-----	287-	21-	46-	16231
C7 (27)	17/08/03	16:30:11	16:42:18	00:03:05	-----	281-	29-	54-	98512
B4 (16)	17/08/03	16:32:00	16:44:03	00:01:45	-----	289-	30-	158-	99159
B3 (15)	17/08/03	16:46:08	16:57:41	00:11:32	00:02:05	286-	25-	164-	99159
T3 (105)	17/08/03	16:46:52	16:59:11	00:01:30	-----	259-	40-	47-	15479
S1 (116)	17/08/03	16:53:31	17:02:18	00:03:07	-----	276-	14-	186-	16351
B2 (14)	17/08/03	17:02:23	17:13:00	00:10:35	00:00:04	280-	19-	173-	99159
T2 (110)	17/08/03	17:03:58	17:14:02	00:01:02	-----	298-	18-	49-	16315
G2 (04)	17/08/03	17:04:02	17:15:28	00:01:25	-----	39-	34-	177-	1317
B1 (13)	17/08/03	17:18:54	17:28:27	00:09:33	00:03:26	275-	15-	182-	99072
S2 (113)	17/08/03	17:20:24	17:26:02	00:02:02	-----	259-	8-	208-	16439
B6 (18)	17/08/03	17:35:19	17:41:51	00:06:31	00:09:16	260-	9-	203-	99160
T4 (114)	17/08/03	17:38:15	17:48:09	00:06:17	-----	306-	17-	54-	16318
C3 (23)	17/08/03	17:40:33	17:52:14	00:04:05	-----	299-	24-	63-	98516
B7 (19)	17/08/03	17:51:27	17:54:37	00:02:22	-----	249-	6-	217-	99160
C1 (21)	17/08/03	17:52:55	18:04:37	00:10:00	-----	301-	24-	66-	98474
K3 (103)	17/08/03	17:57:23	18:02:17	00:02:01	-----	154-	7-	101-	15344
T1 (118)	17/08/03	18:14:06	18:24:10	00:10:04	00:11:48	312-	18-	63-	16232
C7 (27)	17/08/03	18:17:12	18:29:01	00:04:50	-----	304-	26-	72-	98513
K9 (109)	17/08/03	18:22:12	18:31:08	00:02:06	-----	176-	15-	82-	15344
T3 (105)	17/08/03	18:33:26	18:44:02	00:10:35	00:02:18	297-	19-	50-	15480
G2 (04)	17/08/03	18:42:36	18:53:31	00:09:28	-----	6-	27-	239-	1318
K7 (107)	17/08/03	18:46:12	18:56:43	00:03:12	-----	188-	23-	72-	15344
K4 (104)	17/08/03	18:47:00	18:56:47	00:00:03	-----	184-	18-	77-	15516
T2 (110)	17/08/03	18:48:55	18:59:30	00:02:42	-----	315-	21-	74-	16316

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K6 (106)	17/08/03	19:10:28	19:21:59	00:11:31	00:10:58	203-	35-	65-	16243
T4 (114)	17/08/03	19:22:43	19:33:53	00:11:09	00:00:43	315-	27-	86-	16319
C3 (23)	17/08/03	19:26:48	19:39:28	00:05:35	-----	308-	38-	94-	98517
K3 (103)	17/08/03	19:36:43	19:48:51	00:09:22	-----	217-	54-	60-	15345
C1 (21)	17/08/03	19:39:00	19:51:50	00:02:59	-----	308-	42-	99-	98475
T1 (118)	17/08/03	19:58:04	20:09:55	00:11:50	00:06:13	314-	38-	101-	16233
C7 (27)	17/08/03	20:03:05	20:16:09	00:06:13	-----	307-	52-	107-	98514
K9 (109)	17/08/03	20:03:42	20:16:05	00:00:03	-----	231-	87-	54-	15345
T3 (105)	17/08/03	20:19:18	20:30:21	00:11:03	00:03:12	314-	22-	75-	15481
K7 (107)	17/08/03	20:28:43	20:41:03	00:10:41	-----	242-	66-	51-	15345
K4 (104)	17/08/03	20:29:10	20:41:28	00:00:24	-----	237-	78-	52-	15517
T2 (110)	17/08/03	20:32:37	20:44:54	00:03:26	-----	310-	58-	115-	16317
K6 (106)	17/08/03	20:53:50	21:05:56	00:12:05	00:08:56	252-	47-	48-	16244
T4 (114)	17/08/03	21:06:21	21:18:43	00:12:22	00:00:24	306-	87-	129-	16320
C3 (23)	17/08/03	21:12:26	21:25:37	00:06:54	-----	300-	66-	135-	98518
K3 (103)	17/08/03	21:20:51	21:32:34	00:06:57	-----	263-	35-	46-	15346
C1 (21)	17/08/03	21:24:40	21:37:40	00:05:05	-----	297-	53-	141-	98476
T1 (118)	17/08/03	21:41:51	21:53:51	00:12:00	00:04:11	299-	47-	146-	16234
K9 (109)	17/08/03	21:48:33	21:59:43	00:05:52	-----	275-	27-	45-	15346
C7 (27)	17/08/03	21:48:53	22:01:26	00:01:43	-----	293-	38-	150-	98515
T3 (105)	17/08/03	22:03:53	22:16:37	00:12:43	00:02:27	310-	60-	115-	15482
K7 (107)	17/08/03	22:14:00	22:24:43	00:08:06	-----	284-	22-	45-	15346
K4 (104)	17/08/03	22:14:21	22:25:11	00:00:27	-----	280-	24-	45-	15518
T2 (110)	17/08/03	22:16:48	22:27:46	00:02:34	-----	289-	26-	164-	16318
K6 (106)	17/08/03	22:39:27	22:49:44	00:10:17	00:11:40	293-	20-	47-	16245
T4 (114)	17/08/03	22:51:18	23:00:13	00:08:54	00:01:33	277-	15-	185-	16321
C3 (23)	17/08/03	22:59:44	23:08:10	00:07:57	-----	269-	12-	190-	98519
K3 (103)	17/08/03	23:06:38	23:16:37	00:08:27	-----	300-	18-	50-	15347
C1 (21)	17/08/03	23:12:42	23:19:17	00:02:39	-----	260-	9-	202-	98477
K9 (109)	17/08/03	23:34:18	23:44:10	00:09:52	00:15:01	307-	17-	55-	15347
D3 (31)	17/08/03	23:36:06	23:45:54	00:01:43	-----	180-	16-	82-	92159
T3 (105)	17/08/03	23:48:56	00:00:18	00:11:22	00:03:01	290-	27-	163-	15483
D2 (30)	17/08/03	23:56:02	00:06:03	00:05:45	-----	182-	17-	81-	92247
D4 (32)	17/08/03	23:56:30	00:07:51	00:01:47	-----	193-	23-	74-	92246
K7 (107)	17/08/03	23:59:34	00:09:33	00:01:42	-----	311-	18-	61-	15347
K4 (104)	17/08/04	00:00:07	00:09:55	00:00:22	-----	310-	17-	58-	15519
D6 (34)	17/08/04	00:19:45	00:30:28	00:10:42	00:09:49	188-	20-	77-	92250
K6 (106)	17/08/04	00:24:41	00:34:57	00:04:29	-----	314-	19-	68-	16246
D7 (35)	17/08/04	00:37:25	00:48:59	00:11:34	00:02:27	196-	25-	72-	92247
K3 (103)	17/08/04	00:51:29	01:02:09	00:10:40	00:02:29	315-	22-	76-	15348
D8 (36)	17/08/04	00:57:37	01:10:06	00:07:56	-----	208-	38-	66-	92203
K9 (109)	17/08/04	01:18:41	01:29:56	00:11:15	00:08:34	315-	28-	88-	15348
D3 (31)	17/08/04	01:19:25	01:32:41	00:02:44	-----	231-	80-	58-	92160
D2 (30)	17/08/04	01:39:30	01:52:45	00:13:15	00:06:48	233-	84-	58-	92248
D4 (32)	17/08/04	01:40:49	01:54:07	00:01:21	-----	241-	76-	56-	92247
K7 (107)	17/08/04	01:43:38	01:55:19	00:01:12	-----	314-	35-	97-	15348
K4 (104)	17/08/04	01:44:24	01:55:49	00:00:30	-----	315-	31-	92-	15520
D6 (34)	17/08/04	02:03:38	02:16:54	00:13:16	00:07:48	237-	86-	57-	92251
K6 (106)	17/08/04	02:08:31	02:20:34	00:03:40	-----	312-	46-	107-	16247
D7 (35)	17/08/04	02:21:52	02:35:07	00:13:15	00:01:17	243-	71-	55-	92248

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K3 (103)	17/08/04	02:35:09	02:47:27	00:12:18	00:00:01	310-	65-	118-	15349
G2 (04)	17/08/04	02:41:08	02:50:15	00:02:47	-----	98-	15-	7-	1323
D8 (36)	17/08/04	02:42:52	02:55:56	00:05:40	-----	254-	52-	53-	92204
K9 (109)	17/08/04	03:02:19	03:14:40	00:12:21	00:06:23	305-	81-	131-	15349
D3 (31)	17/08/04	03:05:51	03:18:18	00:03:37	-----	272-	34-	52-	92161
D2 (30)	17/08/04	03:25:59	03:38:22	00:12:23	00:07:40	273-	33-	53-	92249
K7 (107)	17/08/04	03:27:21	03:39:29	00:01:07	-----	300-	55-	142-	15349
D4 (32)	17/08/04	03:27:40	03:39:49	00:00:20	-----	280-	29-	54-	92248
K4 (104)	17/08/04	03:28:08	03:40:23	00:00:33	-----	303-	66-	137-	15521
D6 (34)	17/08/04	03:50:17	04:02:32	00:12:15	00:09:53	277-	31-	53-	92252
K6 (106)	17/08/04	03:52:26	04:04:03	00:01:30	-----	295-	36-	154-	16248
A6 (10)	17/08/04	03:57:23	04:03:51	00:00:01	-----	160-	9-	101-	20215
D7 (35)	17/08/04	04:08:44	04:20:49	00:12:04	00:04:53	282-	28-	54-	92249
A2 (06)	17/08/04	04:12:08	04:20:45	00:00:03	-----	173-	13-	88-	2713
G2 (04)	17/08/04	04:17:08	04:29:58	00:09:12	-----	159-	76-	334-	1324
K3 (103)	17/08/04	04:19:27	04:30:02	00:00:04	-----	287-	23-	168-	15350
A1 (05)	17/08/04	04:19:42	04:29:02	00:01:00	-----	178-	15-	84-	2622
D8 (36)	17/08/04	04:30:00	04:41:49	00:11:48	00:00:58	290-	25-	57-	92205
A3 (07)	17/08/04	04:35:10	04:45:40	00:03:51	-----	187-	19-	78-	2714
K9 (109)	17/08/04	04:47:27	04:55:54	00:08:27	00:01:46	274-	13-	188-	15350
A4 (08)	17/08/04	04:49:37	05:01:08	00:05:14	-----	195-	26-	72-	2714
D3 (31)	17/08/04	04:53:03	05:04:42	00:03:33	-----	301-	24-	65-	92162
A8 (12)	17/08/04	05:00:40	05:12:33	00:07:51	-----	201-	31-	69-	2695
D2 (30)	17/08/04	05:13:09	05:24:48	00:11:38	00:00:36	301-	24-	66-	92250
A5 (09)	17/08/04	05:13:25	05:25:38	00:00:49	-----	207-	37-	67-	2714
K7 (107)	17/08/04	05:13:46	05:19:02	00:06:03	-----	257-	7-	211-	15350
K4 (104)	17/08/04	05:13:54	05:20:58	00:01:55	-----	266-	10-	199-	15522
D4 (32)	17/08/04	05:14:45	05:26:33	00:05:34	-----	304-	25-	71-	92249
A7 (11)	17/08/04	05:25:12	05:37:45	00:11:12	-----	214-	45-	64-	2714
D6 (34)	17/08/04	05:37:24	05:49:06	00:11:21	-----	303-	25-	68-	92253
A6 (10)	17/08/04	05:38:36	05:51:22	00:02:15	-----	219-	54-	62-	20216
A2 (06)	17/08/04	05:54:29	06:07:27	00:12:57	00:03:06	227-	70-	60-	2714
D7 (35)	17/08/04	05:55:45	06:07:33	00:00:06	-----	305-	26-	72-	92250
S2 (113)	17/08/04	05:57:51	06:05:33	00:02:00	-----	167-	11-	90-	16447
G2 (04)	17/08/04	06:00:00	06:05:05	00:00:02	-----	234-	7-	285-	1325
A1 (05)	17/08/04	06:02:25	06:15:26	00:10:20	-----	230-	77-	59-	2623
B1 (13)	17/08/04	06:11:06	06:16:46	00:01:20	-----	157-	8-	102-	99080
D8 (36)	17/08/04	06:16:43	06:28:50	00:12:03	-----	307-	29-	80-	92206
A3 (07)	17/08/04	06:18:35	06:31:39	00:02:48	-----	237-	86-	57-	2715
S3 (112)	17/08/04	06:22:49	06:32:44	00:01:05	-----	185-	19-	76-	16442
B6 (18)	17/08/04	06:24:13	06:33:24	00:00:40	-----	175-	14-	86-	99168
A4 (08)	17/08/04	06:33:44	06:46:46	00:13:02	00:00:19	245-	68-	55-	2715
B7 (19)	17/08/04	06:38:08	06:48:24	00:01:38	-----	184-	18-	80-	99168
D3 (31)	17/08/04	06:39:11	06:51:55	00:03:30	-----	308-	40-	97-	92163
A8 (12)	17/08/04	06:45:06	06:58:02	00:06:06	-----	249-	60-	54-	2696
S4 (119)	17/08/04	06:47:57	06:59:08	00:01:05	-----	197-	29-	68-	16359
B8 (20)	17/08/04	06:54:02	07:05:16	00:06:08	-----	193-	23-	74-	99179
A5 (09)	17/08/04	06:58:10	07:11:00	00:05:44	-----	253-	53-	53-	2715
D2 (30)	17/08/04	06:59:16	07:12:02	00:01:01	-----	308-	41-	98-	92251
D4 (32)	17/08/04	07:00:42	07:13:43	00:01:41	-----	307-	51-	106-	92250

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
B4 (16)	17/08/04	07:07:10	07:18:43	00:05:00	-----	196-	25-	72-	99168
A7 (11)	17/08/04	07:10:18	07:23:01	00:04:17	-----	258-	46-	53-	2715
S1 (116)	17/08/04	07:13:21	07:25:20	00:02:19	-----	213-	47-	61-	16360
B3 (15)	17/08/04	07:20:48	07:32:51	00:07:31	-----	201-	31-	69-	99168
D6 (34)	17/08/04	07:23:24	07:36:18	00:03:27	-----	308-	45-	102-	92254
A6 (10)	17/08/04	07:24:00	07:36:34	00:00:15	-----	262-	41-	52-	20217
B2 (14)	17/08/04	07:36:22	07:48:56	00:12:21	-----	209-	40-	65-	99168
S2 (113)	17/08/04	07:38:39	07:50:59	00:02:03	-----	225-	72-	56-	16448
A2 (06)	17/08/04	07:40:15	07:52:36	00:01:37	-----	269-	36-	52-	2715
D7 (35)	17/08/04	07:41:37	07:54:40	00:02:04	-----	307-	53-	107-	92251
A1 (05)	17/08/04	07:48:20	08:00:35	00:05:54	-----	271-	34-	52-	2624
B1 (13)	17/08/04	07:52:16	08:05:09	00:04:34	-----	217-	50-	63-	99081
D8 (36)	17/08/04	08:02:25	08:15:41	00:10:31	-----	305-	73-	118-	92207
A3 (07)	17/08/04	08:04:47	08:16:48	00:01:07	-----	277-	30-	53-	2716
S3 (112)	17/08/04	08:04:55	08:17:18	00:00:30	-----	237-	77-	52-	16443
B6 (18)	17/08/04	08:07:12	08:20:23	00:03:04	-----	228-	73-	59-	99169
A4 (08)	17/08/04	08:20:11	08:32:00	00:11:36	-----	283-	27-	54-	2716
B7 (19)	17/08/04	08:21:45	08:35:00	00:03:01	-----	234-	87-	57-	99169
D3 (31)	17/08/04	08:24:51	08:37:52	00:02:51	-----	298-	58-	139-	92164
S4 (119)	17/08/04	08:31:00	08:43:13	00:05:21	-----	248-	54-	49-	16360
A8 (12)	17/08/04	08:31:40	08:43:20	00:00:06	-----	286-	26-	55-	2697
B8 (20)	17/08/04	08:38:15	08:51:31	00:08:11	-----	241-	77-	56-	99180
A5 (09)	17/08/04	08:44:49	08:56:22	00:04:50	-----	289-	25-	56-	2716
D2 (30)	17/08/04	08:44:55	08:57:54	00:01:32	-----	298-	55-	140-	92252
D4 (32)	17/08/04	08:46:33	08:59:06	00:01:12	-----	294-	40-	149-	92251
B4 (16)	17/08/04	08:51:38	09:04:51	00:05:44	-----	243-	71-	55-	99169
A7 (11)	17/08/04	08:57:02	09:08:30	00:03:38	-----	293-	24-	57-	2716
S1 (116)	17/08/04	08:57:15	09:09:07	00:00:37	-----	260-	38-	47-	16361
B3 (15)	17/08/04	09:05:39	09:18:48	00:09:41	-----	249-	61-	54-	99169
D6 (34)	17/08/04	09:09:07	09:21:56	00:03:07	-----	296-	47-	144-	92255
A6 (10)	17/08/04	09:10:45	09:22:09	00:00:13	-----	295-	24-	59-	20218
B2 (14)	17/08/04	09:21:42	09:34:43	00:12:34	-----	255-	51-	53-	99169
S2 (113)	17/08/04	09:23:13	09:34:38	00:00:05	-----	270-	30-	46-	16449
A2 (06)	17/08/04	09:27:00	09:38:23	00:03:45	-----	299-	24-	62-	2716
D7 (35)	17/08/04	09:27:27	09:39:53	00:01:29	-----	293-	37-	151-	92252
A1 (05)	17/08/04	09:35:04	09:46:27	00:06:34	-----	300-	24-	64-	2625
B1 (13)	17/08/04	09:37:59	09:50:51	00:04:23	-----	260-	44-	53-	99082
D8 (36)	17/08/04	09:48:35	10:00:03	00:09:12	-----	286-	24-	165-	92208
S3 (112)	17/08/04	09:50:01	10:00:57	00:00:53	-----	280-	24-	45-	16444
A3 (07)	17/08/04	09:51:26	10:02:52	00:01:55	-----	303-	24-	67-	2717
B6 (18)	17/08/04	09:53:29	10:06:01	00:03:08	-----	270-	35-	53-	99170
A4 (08)	17/08/04	10:06:41	10:18:16	00:11:34	00:00:40	305-	25-	72-	2717
B7 (19)	17/08/04	10:08:17	10:20:38	00:02:22	-----	275-	32-	53-	99170
D3 (31)	17/08/04	10:12:35	10:19:52	00:00:04	-----	264-	10-	199-	92165
S4 (119)	17/08/04	10:16:29	10:26:58	00:07:05	-----	289-	21-	46-	16361
A8 (12)	17/08/04	10:18:04	10:29:43	00:02:45	-----	306-	26-	75-	2698
B8 (20)	17/08/04	10:25:02	10:37:11	00:07:27	-----	280-	29-	54-	99181
A5 (09)	17/08/04	10:31:06	10:42:52	00:05:40	-----	307-	27-	78-	2717
D2 (30)	17/08/04	10:32:49	10:39:41	00:03:01	-----	261-	9-	201-	92253
B4 (16)	17/08/04	10:38:29	10:50:34	00:10:52	-----	282-	28-	54-	99170

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
S1 (116)	17/08/04	10:43:00	10:53:05	00:02:31	-----	298-	18-	49-	16362
A7 (11)	17/08/04	10:43:10	10:55:06	00:02:00	-----	308-	30-	83-	2717
B3 (15)	17/08/04	10:52:40	11:04:35	00:09:29	-----	286-	27-	55-	99170
A6 (10)	17/08/04	10:56:45	11:08:50	00:04:14	-----	308-	32-	86-	20219
D6 (34)	17/08/04	10:57:47	11:02:48	00:06:01	-----	251-	7-	213-	92256
B2 (14)	17/08/04	11:08:51	11:20:38	00:11:47	00:06:02	290-	25-	57-	99170
S2 (113)	17/08/04	11:09:00	11:18:55	00:01:04	-----	305-	18-	53-	16450
A2 (06)	17/08/04	11:12:47	11:25:08	00:06:13	-----	309-	36-	92-	2717
A1 (05)	17/08/04	11:20:46	11:33:13	00:08:04	-----	308-	38-	95-	2626
B1 (13)	17/08/04	11:25:11	11:36:53	00:03:40	-----	294-	25-	59-	99083
S3 (112)	17/08/04	11:35:40	11:45:37	00:08:43	-----	310-	18-	58-	16445
A3 (07)	17/08/04	11:36:58	11:49:36	00:03:59	-----	308-	44-	101-	2718
B6 (18)	17/08/04	11:40:40	11:52:21	00:02:44	-----	299-	24-	64-	99171
C3 (23)	17/08/04	11:50:27	11:58:03	00:05:42	-----	166-	10-	95-	98527
A4 (08)	17/08/04	11:52:04	12:04:53	00:06:49	-----	307-	54-	108-	2718
B7 (19)	17/08/04	11:55:25	12:07:08	00:02:14	-----	302-	25-	67-	99171
C1 (21)	17/08/04	12:01:39	12:10:48	00:03:40	-----	175-	14-	86-	98485
S4 (119)	17/08/04	12:01:52	12:12:01	00:01:12	-----	313-	19-	65-	16362
A8 (12)	17/08/04	12:03:21	12:16:15	00:04:14	-----	306-	61-	112-	2699
T1 (118)	17/08/04	12:04:54	12:13:38	00:02:03	-----	175-	14-	84-	16243
B8 (20)	17/08/04	12:12:04	12:23:51	00:10:13	-----	304-	25-	71-	99182
A5 (09)	17/08/04	12:16:20	12:29:16	00:05:25	-----	305-	70-	116-	2718
C7 (27)	17/08/04	12:24:46	12:35:30	00:06:14	-----	188-	20-	77-	98524
B4 (16)	17/08/04	12:25:28	12:37:19	00:01:48	-----	305-	26-	72-	99171
S1 (116)	17/08/04	12:27:58	12:38:32	00:01:13	-----	315-	21-	74-	16363
A7 (11)	17/08/04	12:28:20	12:41:20	00:02:47	-----	304-	82-	122-	2718
T2 (110)	17/08/04	12:38:10	12:49:04	00:07:44	-----	193-	26-	69-	16327
B3 (15)	17/08/04	12:39:31	12:51:29	00:02:25	-----	306-	27-	76-	99171
A6 (10)	17/08/04	12:41:54	12:54:53	00:03:24	-----	302-	86-	126-	20220
S2 (113)	17/08/04	12:53:34	13:04:36	00:09:43	-----	316-	25-	83-	16451
B2 (14)	17/08/04	12:55:31	13:07:40	00:03:03	-----	307-	29-	81-	99171
A2 (06)	17/08/04	12:57:57	13:10:52	00:03:11	-----	300-	68-	133-	2718
A1 (05)	17/08/04	13:05:56	13:18:47	00:07:54	-----	299-	61-	137-	2627
T4 (114)	17/08/04	13:11:11	13:23:08	00:04:21	-----	212-	46-	61-	16330
B1 (13)	17/08/04	13:11:41	13:24:02	00:00:53	-----	308-	32-	86-	99084
S3 (112)	17/08/04	13:19:52	13:31:24	00:07:21	-----	315-	31-	93-	16446
A3 (07)	17/08/04	13:22:12	13:34:47	00:03:23	-----	296-	47-	144-	2719
B6 (18)	17/08/04	13:26:53	13:39:35	00:04:47	-----	308-	38-	94-	99172
C3 (23)	17/08/04	13:32:36	13:45:40	00:06:05	-----	222-	59-	61-	98528
A4 (08)	17/08/04	13:37:27	13:49:35	00:03:54	-----	292-	35-	153-	2719
B7 (19)	17/08/04	13:41:29	13:54:21	00:04:45	-----	308-	43-	99-	99172
C1 (21)	17/08/04	13:44:37	13:57:48	00:03:27	-----	228-	73-	59-	98486
S4 (119)	17/08/04	13:45:47	13:57:43	00:00:05	-----	313-	41-	103-	16363
T1 (118)	17/08/04	13:46:17	13:58:39	00:00:55	-----	230-	85-	54-	16244
A8 (12)	17/08/04	13:48:52	14:00:38	00:01:59	-----	289-	30-	158-	2700
B8 (20)	17/08/04	13:58:00	14:11:00	00:10:21	-----	307-	50-	105-	99183
A5 (09)	17/08/04	14:02:00	14:13:18	00:02:17	-----	286-	25-	164-	2719
C7 (27)	17/08/04	14:08:40	14:21:56	00:08:38	-----	237-	85-	57-	98525
B4 (16)	17/08/04	14:11:19	14:24:25	00:02:28	-----	307-	54-	108-	99172
S1 (116)	17/08/04	14:11:41	14:23:57	00:00:02	-----	310-	58-	115-	16364

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A7 (11)	17/08/04	14:14:15	14:24:51	00:00:53	-----	282-	20-	171-	2719
T3 (105)	17/08/04	14:17:10	14:28:52	00:04:01	-----	199-	31-	66-	15492
T2 (110)	17/08/04	14:21:00	14:33:15	00:04:23	-----	245-	59-	50-	16328
B3 (15)	17/08/04	14:25:17	14:38:29	00:05:13	-----	306-	63-	113-	99172
A6 (10)	17/08/04	14:28:04	14:37:59	00:00:02	-----	278-	17-	178-	20221
S2 (113)	17/08/04	14:37:12	14:49:36	00:11:37	-----	307-	84-	126-	16452
B2 (14)	17/08/04	14:41:12	14:54:28	00:04:52	-----	304-	76-	119-	99172
A2 (06)	17/08/04	14:44:41	14:53:07	00:01:02	-----	270-	12-	188-	2719
A1 (05)	17/08/04	14:53:00	15:00:35	00:07:28	-----	265-	10-	195-	2628
T4 (114)	17/08/04	14:55:03	15:06:56	00:06:20	-----	259-	39-	47-	16331
B1 (13)	17/08/04	14:57:19	15:10:37	00:03:40	-----	303-	90-	125-	99085
S3 (112)	17/08/04	15:03:33	15:15:50	00:05:12	-----	303-	66-	137-	16447
A3 (07)	17/08/04	15:10:22	15:15:16	00:00:03	-----	251-	7-	213-	2720
B6 (18)	17/08/04	15:12:31	15:25:40	00:10:24	-----	299-	64-	136-	99173
C3 (23)	17/08/04	15:18:36	15:31:20	00:05:39	-----	265-	40-	52-	98529
B7 (19)	17/08/04	15:27:10	15:40:07	00:08:47	-----	297-	52-	142-	99173
S4 (119)	17/08/04	15:29:37	15:41:29	00:01:21	-----	297-	43-	149-	16364
C1 (21)	17/08/04	15:30:53	15:43:26	00:01:56	-----	270-	35-	53-	98487
T1 (118)	17/08/04	15:31:05	15:42:17	00:01:08	-----	275-	27-	45-	16245
B8 (20)	17/08/04	15:43:46	15:56:23	00:12:37	00:01:28	294-	41-	148-	99184
C7 (27)	17/08/04	15:55:19	16:07:35	00:11:11	-----	277-	31-	53-	98526
S1 (116)	17/08/04	15:55:51	16:06:50	00:00:04	-----	290-	26-	164-	16365
B4 (16)	17/08/04	15:57:10	16:09:37	00:02:46	-----	292-	37-	152-	99173
T3 (105)	17/08/04	16:01:09	16:13:46	00:04:09	-----	249-	53-	49-	15493
T2 (110)	17/08/04	16:06:23	16:16:57	00:03:11	-----	287-	21-	46-	16329
B3 (15)	17/08/04	16:11:15	16:23:17	00:06:20	-----	289-	30-	158-	99173
S2 (113)	17/08/04	16:21:55	16:31:27	00:08:09	-----	280-	17-	179-	16453
B2 (14)	17/08/04	16:27:26	16:38:45	00:07:18	-----	285-	23-	167-	99173
G2 (04)	17/08/04	16:36:33	16:45:48	00:07:02	-----	54-	16-	153-	1331
T4 (114)	17/08/04	16:40:47	16:50:53	00:05:05	-----	298-	18-	48-	16332
B1 (13)	17/08/04	16:43:51	16:54:20	00:03:27	-----	280-	18-	174-	99086
S3 (112)	17/08/04	16:49:15	16:56:16	00:01:55	-----	266-	10-	199-	16448
B6 (18)	17/08/04	16:59:54	17:08:05	00:08:10	00:03:37	268-	11-	191-	99174
C3 (23)	17/08/04	17:05:49	17:17:31	00:09:25	-----	296-	24-	61-	98530
B7 (19)	17/08/04	17:15:19	17:21:36	00:04:05	-----	258-	8-	205-	99174
T1 (118)	17/08/04	17:16:50	17:26:43	00:05:06	-----	307-	17-	55-	16246
C1 (21)	17/08/04	17:18:06	17:29:45	00:03:02	-----	299-	24-	64-	98488
C7 (27)	17/08/04	17:42:26	17:54:10	00:11:43	00:12:40	303-	25-	68-	98527
T3 (105)	17/08/04	17:47:31	17:58:25	00:04:15	-----	290-	21-	48-	15494
K7 (107)	17/08/04	17:50:56	17:58:50	00:00:24	-----	169-	12-	89-	15358
T2 (110)	17/08/04	17:51:51	18:01:55	00:03:05	-----	312-	18-	63-	16330
K4 (104)	17/08/04	17:53:27	17:59:59	00:01:05	-----	160-	9-	97-	15530
G2 (04)	17/08/04	18:13:51	18:25:52	00:12:00	00:13:51	16-	54-	219-	1332
K6 (106)	17/08/04	18:14:36	18:24:34	00:01:01	-----	185-	19-	76-	16257
T4 (114)	17/08/04	18:25:47	18:36:19	00:10:31	00:01:12	315-	21-	73-	16333
K3 (103)	17/08/04	18:40:29	18:51:41	00:11:12	00:04:10	198-	30-	67-	15359
C3 (23)	17/08/04	18:52:12	19:04:43	00:12:30	00:00:30	308-	34-	89-	98531
T1 (118)	17/08/04	19:01:15	19:12:28	00:07:45	-----	315-	27-	87-	16247
C1 (21)	17/08/04	19:04:18	19:17:00	00:04:30	-----	308-	38-	94-	98489
K9 (109)	17/08/04	19:07:06	19:19:08	00:02:09	-----	214-	50-	60-	15359

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
C7 (27)	17/08/04	19:28:25	19:41:21	00:12:56	00:09:16	308-	46-	102-	98528
K7 (107)	17/08/04	19:31:51	19:44:11	00:02:49	-----	226-	74-	56-	15359
T3 (105)	17/08/04	19:33:43	19:44:26	00:00:14	-----	312-	20-	67-	15495
K4 (104)	17/08/04	19:33:46	19:45:57	00:01:31	-----	221-	63-	58-	15531
T2 (110)	17/08/04	19:35:49	19:47:40	00:01:43	-----	314-	38-	100-	16331
G2 (04)	17/08/04	19:55:15	19:59:21	00:04:06	00:07:35	334-	7-	291-	1333
K6 (106)	17/08/04	19:56:45	20:09:07	00:09:45	-----	237-	76-	52-	16258
T4 (114)	17/08/04	20:09:30	20:21:45	00:12:14	00:00:22	311-	57-	114-	16334
K3 (103)	17/08/04	20:23:34	20:35:46	00:12:12	00:01:49	249-	53-	49-	15360
C3 (23)	17/08/04	20:37:50	20:51:06	00:13:16	00:02:04	301-	78-	130-	98532
T1 (118)	17/08/04	20:44:52	20:57:15	00:06:09	-----	305-	84-	130-	16248
C1 (21)	17/08/04	20:49:56	21:03:05	00:05:49	-----	299-	64-	135-	98490
K9 (109)	17/08/04	20:51:07	21:02:54	00:00:01	-----	261-	37-	47-	15360
C7 (27)	17/08/04	21:14:08	21:26:58	00:12:49	00:11:14	296-	46-	145-	98529
K7 (107)	17/08/04	21:16:28	21:27:50	00:00:51	-----	271-	29-	45-	15360
K4 (104)	17/08/04	21:18:14	21:29:42	00:01:52	-----	267-	32-	46-	15532
T3 (105)	17/08/04	21:18:29	21:30:57	00:01:14	-----	312-	45-	106-	15496
T2 (110)	17/08/04	21:19:36	21:31:37	00:00:39	-----	299-	48-	146-	16332
K6 (106)	17/08/04	21:41:52	21:52:46	00:10:53	00:10:15	281-	24-	45-	16259
T4 (114)	17/08/04	21:53:39	22:04:41	00:11:01	00:00:53	290-	27-	163-	16335
K3 (103)	17/08/04	22:09:04	22:19:30	00:10:26	00:04:23	290-	20-	46-	15361
C3 (23)	17/08/04	22:24:41	22:34:19	00:09:37	00:05:11	275-	15-	181-	98533
T1 (118)	17/08/04	22:29:55	22:38:36	00:04:16	-----	276-	14-	186-	16249
K9 (109)	17/08/04	22:36:52	22:46:54	00:08:18	-----	299-	18-	49-	15361
C1 (21)	17/08/04	22:37:18	22:45:31	00:01:02	-----	268-	11-	191-	98491
D3 (31)	17/08/04	23:02:08	23:10:49	00:08:40	00:16:37	172-	12-	89-	92173
K7 (107)	17/08/04	23:02:14	23:12:08	00:01:18	-----	305-	17-	53-	15361
C7 (27)	17/08/04	23:02:54	23:07:44	00:04:02	-----	252-	7-	213-	98530
T3 (105)	17/08/04	23:03:13	23:15:24	00:07:39	-----	296-	40-	152-	15497
K4 (104)	17/08/04	23:04:08	23:13:57	00:01:02	-----	303-	17-	51-	15533
D2 (30)	17/08/04	23:22:03	23:31:02	00:08:59	00:08:05	174-	13-	87-	92261
D4 (32)	17/08/04	23:22:49	23:33:31	00:02:28	-----	187-	19-	78-	92260
K6 (106)	17/08/04	23:27:31	23:37:26	00:03:55	-----	310-	18-	58-	16260
D6 (34)	17/08/04	23:45:40	23:55:32	00:09:51	00:08:14	181-	16-	82-	92264
K3 (103)	17/08/04	23:54:26	00:04:34	00:09:02	-----	313-	19-	65-	15362
D7 (35)	17/08/05	00:03:11	00:14:07	00:09:32	-----	189-	21-	76-	92261
K9 (109)	17/08/05	00:21:47	00:32:23	00:10:36	00:07:40	315-	22-	75-	15362
D8 (36)	17/08/05	00:23:14	00:35:21	00:02:57	-----	202-	32-	69-	92217
D3 (31)	17/08/05	00:44:51	00:58:02	00:13:11	00:09:29	226-	68-	60-	92174
K7 (107)	17/08/05	00:46:47	00:57:50	00:00:01	-----	316-	25-	83-	15362
K4 (104)	17/08/05	00:48:55	00:59:41	00:01:51	-----	316-	23-	80-	15534
D2 (30)	17/08/05	01:04:55	01:18:06	00:13:11	00:05:13	227-	71-	59-	92262
D4 (32)	17/08/05	01:06:42	01:20:01	00:01:54	-----	236-	87-	57-	92261
K6 (106)	17/08/05	01:11:42	01:23:13	00:03:12	-----	315-	31-	93-	16261
D6 (34)	17/08/05	01:29:02	01:42:17	00:13:14	00:05:48	232-	81-	58-	92265
K3 (103)	17/08/05	01:38:20	01:50:16	00:08:00	-----	313-	41-	103-	15363
D7 (35)	17/08/05	01:47:12	02:00:29	00:10:12	-----	238-	83-	56-	92262
K9 (109)	17/08/05	02:05:29	02:17:45	00:12:16	00:05:00	310-	61-	116-	15363
D8 (36)	17/08/05	02:08:09	02:21:18	00:03:32	-----	249-	60-	54-	92218
G2 (04)	17/08/05	02:15:29	02:20:14	00:01:04	-----	68-	7-	26-	1337

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
K7 (107)	17/08/05	02:30:25	02:42:48	00:12:22	00:10:11	307-	86-	126-	15363
D3 (31)	17/08/05	02:31:02	02:43:39	00:00:51	-----	268-	37-	52-	92175
K4 (104)	17/08/05	02:32:38	02:44:57	00:01:17	-----	308-	74-	122-	15535
D2 (30)	17/08/05	02:51:10	03:03:43	00:12:33	00:06:12	269-	36-	52-	92263
D4 (32)	17/08/05	02:53:23	03:05:41	00:01:58	-----	276-	31-	53-	92262
K6 (106)	17/08/05	02:55:22	03:07:38	00:01:56	-----	302-	65-	138-	16262
D6 (34)	17/08/05	03:15:29	03:27:54	00:12:25	00:07:50	273-	33-	52-	92266
K3 (103)	17/08/05	03:22:10	03:34:00	00:06:06	-----	297-	42-	150-	15364
A2 (06)	17/08/05	03:32:40	03:38:56	00:04:55	-----	160-	8-	103-	2727
D7 (35)	17/08/05	03:33:54	03:46:08	00:07:12	-----	278-	30-	53-	92263
A1 (05)	17/08/05	03:39:58	03:47:21	00:01:13	-----	165-	10-	96-	2636
G2 (04)	17/08/05	03:48:57	04:01:29	00:12:31	00:01:35	140-	54-	344-	1338
K9 (109)	17/08/05	03:49:43	04:00:30	00:00:05	-----	288-	25-	166-	15364
A3 (07)	17/08/05	03:55:08	04:04:19	00:03:49	-----	176-	14-	86-	2728
D8 (36)	17/08/05	03:55:10	04:07:06	00:02:46	-----	286-	27-	55-	92219
A4 (08)	17/08/05	04:09:20	04:19:56	00:10:35	00:02:14	188-	20-	77-	2728
K7 (107)	17/08/05	04:15:11	04:24:35	00:04:38	-----	280-	16-	181-	15364
K4 (104)	17/08/05	04:17:14	04:27:16	00:02:41	-----	283-	19-	174-	15536
D3 (31)	17/08/05	04:18:16	04:29:55	00:02:38	-----	298-	24-	62-	92176
A8 (12)	17/08/05	04:20:18	04:31:26	00:01:31	-----	194-	23-	74-	2709
A5 (09)	17/08/05	04:32:58	04:44:34	00:11:35	00:01:32	197-	28-	71-	2728
D2 (30)	17/08/05	04:38:23	04:50:00	00:05:26	-----	299-	24-	63-	92264
D4 (32)	17/08/05	04:40:33	04:52:16	00:02:15	-----	302-	25-	68-	92263
K6 (106)	17/08/05	04:41:08	04:48:01	00:04:01	-----	266-	10-	200-	16263
A7 (11)	17/08/05	04:44:39	04:56:45	00:08:44	-----	204-	34-	68-	2728
A6 (10)	17/08/05	04:58:01	05:10:24	00:12:23	00:01:15	210-	40-	65-	20230
D6 (34)	17/08/05	05:02:40	05:14:19	00:03:54	-----	301-	24-	65-	92267
A2 (06)	17/08/05	05:13:47	05:26:32	00:12:12	-----	219-	53-	63-	2728
D7 (35)	17/08/05	05:21:00	05:32:44	00:06:12	-----	303-	25-	69-	92264
A1 (05)	17/08/05	05:21:40	05:34:31	00:01:47	-----	222-	59-	61-	2637
S3 (112)	17/08/05	05:27:58	05:34:30	00:00:00	-----	160-	9-	97-	16456
G2 (04)	17/08/05	05:28:48	05:38:55	00:04:24	-----	202-	18-	308-	1339
A3 (07)	17/08/05	05:37:46	05:50:46	00:11:50	-----	229-	75-	59-	2729
D8 (36)	17/08/05	05:42:02	05:54:00	00:03:13	-----	306-	27-	76-	92220
B6 (18)	17/08/05	05:50:19	05:58:09	00:04:08	-----	167-	11-	94-	99182
S4 (119)	17/08/05	05:52:19	06:01:34	00:03:25	-----	179-	16-	81-	16373
A4 (08)	17/08/05	05:52:48	06:05:53	00:04:19	-----	237-	85-	57-	2729
B7 (19)	17/08/05	06:04:02	06:13:22	00:07:28	-----	176-	14-	85-	99182
A8 (12)	17/08/05	06:04:08	06:17:11	00:03:49	-----	241-	75-	55-	2710
D3 (31)	17/08/05	06:04:33	06:17:08	00:00:03	-----	308-	36-	92-	92177
A5 (09)	17/08/05	06:17:10	06:30:09	00:12:58	00:00:02	246-	66-	55-	2729
S1 (116)	17/08/05	06:17:13	06:28:08	00:02:00	-----	193-	26-	70-	16374
B8 (20)	17/08/05	06:19:47	06:30:17	00:02:09	-----	186-	19-	78-	99193
D2 (30)	17/08/05	06:24:37	06:37:14	00:06:57	-----	308-	37-	93-	92265
D4 (32)	17/08/05	06:26:37	06:39:30	00:02:16	-----	308-	45-	101-	92264
A7 (11)	17/08/05	06:29:16	06:42:09	00:02:39	-----	251-	56-	54-	2729
B4 (16)	17/08/05	06:32:52	06:43:47	00:01:37	-----	190-	21-	76-	99182
S2 (113)	17/08/05	06:42:11	06:53:57	00:10:10	-----	208-	40-	63-	16462
A6 (10)	17/08/05	06:42:55	06:55:43	00:01:45	-----	255-	50-	53-	20231
B3 (15)	17/08/05	06:46:25	06:57:59	00:02:15	-----	196-	26-	72-	99182

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
D6 (34)	17/08/05	06:48:47	07:01:33	00:03:34	-----	308-	41-	97-	92268
A2 (06)	17/08/05	06:59:08	07:11:44	00:10:11	-----	262-	42-	52-	2729
B2 (14)	17/08/05	07:01:55	07:14:07	00:02:23	-----	203-	33-	68-	99182
D7 (35)	17/08/05	07:06:58	07:19:55	00:05:47	-----	308-	47-	103-	92265
A1 (05)	17/08/05	07:07:11	07:19:41	00:00:01	-----	265-	39-	52-	2638
S3 (112)	17/08/05	07:08:09	07:20:24	00:00:42	-----	221-	62-	58-	16457
B1 (13)	17/08/05	07:17:46	07:30:21	00:09:57	-----	210-	41-	65-	99095
A3 (07)	17/08/05	07:23:38	07:35:54	00:05:33	-----	271-	34-	52-	2730
D8 (36)	17/08/05	07:27:47	07:41:00	00:05:04	-----	306-	63-	113-	92221
B6 (18)	17/08/05	07:32:35	07:45:40	00:04:40	-----	223-	61-	61-	99183
S4 (119)	17/08/05	07:34:00	07:46:24	00:00:44	-----	233-	88-	54-	16374
A4 (08)	17/08/05	07:39:00	07:51:03	00:04:39	-----	277-	30-	53-	2730
B7 (19)	17/08/05	07:47:05	08:00:17	00:09:14	-----	229-	74-	59-	99183
D3 (31)	17/08/05	07:50:10	08:03:20	00:03:02	-----	300-	69-	133-	92178
A8 (12)	17/08/05	07:50:29	08:02:22	00:00:05	-----	281-	28-	53-	2711
S1 (116)	17/08/05	08:00:02	08:12:20	00:09:57	-----	245-	59-	50-	16375
B8 (20)	17/08/05	08:03:31	08:16:48	00:04:28	-----	235-	90-	57-	99194
A5 (09)	17/08/05	08:03:39	08:15:23	00:01:02	-----	284-	27-	54-	2730
D2 (30)	17/08/05	08:10:15	08:23:23	00:07:59	-----	300-	66-	135-	92266
D4 (32)	17/08/05	08:12:22	08:25:12	00:01:49	-----	296-	48-	144-	92265
A7 (11)	17/08/05	08:15:53	08:27:29	00:02:17	-----	288-	26-	55-	2730
B4 (16)	17/08/05	08:16:53	08:30:09	00:02:39	-----	238-	82-	56-	99183
S2 (113)	17/08/05	08:25:49	08:37:49	00:07:40	-----	256-	43-	48-	16463
A6 (10)	17/08/05	08:29:37	08:41:08	00:03:18	-----	291-	25-	56-	20232
B3 (15)	17/08/05	08:30:53	08:44:06	00:02:58	-----	244-	71-	55-	99183
D6 (34)	17/08/05	08:34:27	08:47:28	00:03:21	-----	298-	57-	139-	92269
A2 (06)	17/08/05	08:45:54	08:57:19	00:09:51	-----	295-	24-	59-	2730
B2 (14)	17/08/05	08:46:54	09:00:02	00:02:42	-----	250-	58-	54-	99183
S3 (112)	17/08/05	08:52:30	09:04:05	00:04:03	-----	267-	32-	46-	16458
D7 (35)	17/08/05	08:52:43	09:05:27	00:01:21	-----	295-	45-	146-	92266
A1 (05)	17/08/05	08:53:57	09:05:21	00:00:05	-----	297-	24-	60-	2639
B1 (13)	17/08/05	09:03:09	09:16:08	00:10:46	-----	256-	50-	53-	99096