

Orbcomm View Satellite Pass Times
 All Passes of All Satellites in Chronological Order
 Observer: Sapporo, 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.
D3 (31)	17/07/28	08:56:57	09:10:03	00:13:06	11:53:51	286-	59-	126-	92064
A2 (06)	17/07/28	08:58:48	09:11:52	00:01:48	-----	235-	60-	74-	2615
B7 (19)	17/07/28	09:00:17	09:08:55	00:02:05	-----	175-	12-	92-	99069
A1 (05)	17/07/28	09:06:58	09:19:52	00:10:56	-----	237-	64-	74-	2524
S2 (113)	17/07/28	09:10:31	09:20:45	00:00:53	-----	193-	21-	79-	16347
D4 (32)	17/07/28	09:14:45	09:27:36	00:06:50	-----	285-	49-	133-	92151
B8 (20)	17/07/28	09:16:10	09:25:57	00:01:03	-----	184-	16-	87-	99080
D2 (30)	17/07/28	09:17:02	09:30:05	00:04:08	-----	286-	58-	127-	92152
A3 (07)	17/07/28	09:23:00	09:35:59	00:05:54	-----	243-	73-	74-	2616
B4 (16)	17/07/28	09:29:07	09:39:22	00:03:22	-----	189-	17-	85-	99069
S3 (112)	17/07/28	09:36:06	09:47:20	00:07:58	-----	206-	29-	75-	16342
A4 (08)	17/07/28	09:38:13	09:51:14	00:03:54	-----	249-	83-	74-	2616
D6 (34)	17/07/28	09:41:05	09:54:03	00:02:48	-----	286-	52-	130-	92155
B3 (15)	17/07/28	09:42:36	09:53:30	00:00:03	-----	195-	21-	82-	99069
A8 (12)	17/07/28	09:49:24	10:02:26	00:08:56	-----	252-	89-	75-	2597
B2 (14)	17/07/28	09:58:00	10:09:35	00:07:08	-----	203-	26-	79-	99069
D7 (35)	17/07/28	09:59:30	10:12:15	00:02:40	-----	285-	45-	136-	92152
S4 (119)	17/07/28	10:01:34	10:13:23	00:01:08	-----	217-	40-	72-	16259
A5 (09)	17/07/28	10:02:25	10:15:26	00:02:02	-----	255-	87-	76-	2616
B1 (13)	17/07/28	10:13:49	10:25:50	00:10:24	-----	209-	30-	77-	98982
A7 (11)	17/07/28	10:14:26	10:27:27	00:01:36	-----	259-	82-	77-	2616
D8 (36)	17/07/28	10:20:22	10:32:37	00:05:10	-----	283-	33-	147-	92108
S1 (116)	17/07/28	10:27:11	10:39:23	00:06:45	-----	229-	57-	69-	16260
A6 (10)	17/07/28	10:27:58	10:41:00	00:01:36	-----	262-	78-	78-	20118
B6 (18)	17/07/28	10:28:27	10:41:04	00:00:04	-----	220-	40-	75-	99070
B7 (19)	17/07/28	10:42:54	10:55:44	00:12:50	00:01:49	225-	47-	74-	99070
D3 (31)	17/07/28	10:43:16	10:53:34	00:02:01	-----	274-	18-	171-	92065
A2 (06)	17/07/28	10:44:02	10:57:04	00:03:30	-----	266-	74-	80-	2616
A1 (05)	17/07/28	10:52:07	11:05:09	00:08:04	-----	268-	73-	81-	2525
S2 (113)	17/07/28	10:52:40	11:05:02	00:00:06	-----	239-	75-	69-	16348
B8 (20)	17/07/28	10:59:23	11:12:23	00:07:20	-----	231-	55-	74-	99081
D4 (32)	17/07/28	11:01:29	11:10:28	00:01:05	-----	268-	13-	182-	92152
D2 (30)	17/07/28	11:03:22	11:13:30	00:03:02	-----	273-	17-	172-	92153
A3 (07)	17/07/28	11:08:16	11:21:17	00:07:47	-----	271-	71-	84-	2617
B4 (16)	17/07/28	11:12:36	11:25:41	00:04:23	-----	234-	59-	74-	99070
S3 (112)	17/07/28	11:18:57	11:31:22	00:05:41	-----	248-	87-	69-	16343
A4 (08)	17/07/28	11:23:34	11:36:34	00:05:11	-----	275-	71-	87-	2617
B3 (15)	17/07/28	11:26:28	11:39:38	00:03:03	-----	238-	66-	74-	99070
D6 (34)	17/07/28	11:27:37	11:37:09	00:02:02	-----	271-	15-	179-	92156
A8 (12)	17/07/28	11:34:48	11:47:48	00:10:38	-----	277-	72-	90-	2598
B2 (14)	17/07/28	11:42:18	11:55:32	00:07:44	-----	244-	75-	74-	99070
S4 (119)	17/07/28	11:44:54	11:57:19	00:01:46	-----	256-	73-	70-	16260
D7 (35)	17/07/28	11:46:27	11:54:41	00:02:03	-----	265-	11-	189-	92153
A5 (09)	17/07/28	11:47:49	12:00:48	00:06:07	-----	279-	73-	92-	2617
B1 (13)	17/07/28	11:58:24	12:11:42	00:10:53	-----	248-	82-	74-	98983
A7 (11)	17/07/28	11:59:51	12:12:51	00:01:08	-----	281-	75-	95-	2617
D8 (36)	17/07/28	12:08:43	12:13:14	00:00:22	-----	248-	7-	212-	92109
S1 (116)	17/07/28	12:10:56	12:23:17	00:10:02	-----	265-	62-	72-	16261

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A6 (10)	17/07/28	12:13:23	12:26:24	00:03:07	-----	282-	78-	98-	20119
B6 (18)	17/07/28	12:13:31	12:26:50	00:00:26	-----	256-	86-	76-	99071
B7 (19)	17/07/28	12:28:09	12:41:28	00:13:19	00:01:19	260-	81-	77-	99071
A2 (06)	17/07/28	12:29:26	12:42:29	00:01:01	-----	284-	83-	102-	2617
S2 (113)	17/07/28	12:36:41	12:48:58	00:06:29	-----	272-	57-	75-	16349
A1 (05)	17/07/28	12:37:30	12:50:33	00:01:34	-----	284-	86-	105-	2526
B8 (20)	17/07/28	12:44:49	12:58:07	00:07:33	-----	264-	77-	79-	99082
A3 (07)	17/07/28	12:53:38	13:06:39	00:08:32	-----	285-	87-	109-	2618
B4 (16)	17/07/28	12:58:07	13:11:25	00:04:45	-----	266-	75-	80-	99071
S3 (112)	17/07/28	13:03:07	13:15:23	00:03:58	-----	277-	54-	79-	16344
A4 (08)	17/07/28	13:08:54	13:21:51	00:06:28	-----	286-	77-	115-	2618
B3 (15)	17/07/28	13:12:05	13:25:23	00:03:31	-----	268-	73-	82-	99071
A8 (12)	17/07/28	13:20:06	13:33:01	00:07:38	-----	286-	71-	119-	2599
B2 (14)	17/07/28	13:28:02	13:41:19	00:08:18	-----	272-	72-	85-	99071
S4 (119)	17/07/28	13:29:09	13:41:25	00:00:06	-----	282-	55-	84-	16261
A5 (09)	17/07/28	13:33:06	13:45:58	00:04:32	-----	286-	65-	122-	2618
B1 (13)	17/07/28	13:44:13	13:57:31	00:11:33	-----	275-	72-	87-	98984
A7 (11)	17/07/28	13:45:07	13:57:53	00:00:21	-----	286-	57-	127-	2618
S1 (116)	17/07/28	13:55:10	14:07:29	00:09:36	-----	286-	58-	91-	16262
A6 (10)	17/07/28	13:58:39	14:11:19	00:03:49	-----	286-	51-	131-	20120
B6 (18)	17/07/28	13:59:23	14:12:42	00:01:23	-----	279-	74-	93-	99072
C3 (23)	17/07/28	14:12:16	14:17:19	00:04:37	-----	150-	7-	107-	98428
T2 (110)	17/07/28	14:12:26	14:17:19	00:00:00	-----	149-	7-	105-	16226
B7 (19)	17/07/28	14:14:02	14:27:21	00:10:02	-----	281-	76-	96-	99072
A2 (06)	17/07/28	14:14:43	14:27:11	00:00:01	-----	285-	43-	137-	2618
S2 (113)	17/07/28	14:20:51	14:33:13	00:06:02	-----	289-	65-	98-	16350
A1 (05)	17/07/28	14:22:48	14:35:08	00:01:54	-----	284-	39-	140-	2527
C1 (21)	17/07/28	14:23:52	14:31:06	00:04:01	-----	164-	10-	97-	98386
B8 (20)	17/07/28	14:30:42	14:44:00	00:12:53	-----	283-	81-	100-	99083
A3 (07)	17/07/28	14:39:00	14:50:57	00:06:57	-----	282-	33-	147-	2619
T4 (114)	17/07/28	14:43:52	14:52:32	00:01:34	-----	177-	14-	87-	16229
B4 (16)	17/07/28	14:43:59	14:57:18	00:04:46	-----	283-	83-	102-	99072
C7 (27)	17/07/28	14:46:34	14:55:47	00:01:03	-----	178-	14-	89-	98425
S3 (112)	17/07/28	14:47:13	14:59:37	00:03:50	-----	291-	76-	106-	16345
A4 (08)	17/07/28	14:54:22	15:05:47	00:06:09	-----	280-	26-	156-	2619
B3 (15)	17/07/28	14:57:56	15:11:15	00:05:28	-----	284-	88-	106-	99072
G2 (04)	17/07/28	14:58:44	15:02:20	00:08:05	-----	80-	6-	112-	1230
A8 (12)	17/07/28	15:05:40	15:16:42	00:11:02	00:03:19	278-	23-	161-	2600
S4 (119)	17/07/28	15:13:09	15:25:34	00:08:52	-----	291-	89-	114-	16262
B2 (14)	17/07/28	15:13:51	15:27:09	00:01:35	-----	285-	85-	110-	99072
T1 (118)	17/07/28	15:17:52	15:28:33	00:01:23	-----	198-	24-	77-	16143
A5 (09)	17/07/28	15:18:47	15:29:20	00:00:47	-----	276-	20-	166-	2619
B1 (13)	17/07/28	15:30:00	15:43:17	00:13:17	00:00:39	286-	77-	115-	98985
A7 (11)	17/07/28	15:31:01	15:40:49	00:02:02	-----	273-	17-	173-	2619
S1 (116)	17/07/28	15:39:05	15:51:25	00:10:35	-----	291-	68-	124-	16263
A6 (10)	17/07/28	15:44:46	15:53:53	00:02:28	-----	269-	14-	180-	20121
B6 (18)	17/07/28	15:45:08	15:58:18	00:04:24	-----	286-	63-	123-	99073
T2 (110)	17/07/28	15:51:47	16:03:28	00:05:10	-----	215-	37-	72-	16227
C3 (23)	17/07/28	15:53:09	16:05:28	00:02:00	-----	214-	34-	76-	98429
B7 (19)	17/07/28	15:59:46	16:12:49	00:07:20	-----	286-	55-	128-	99073

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A2 (06)	17/07/28	16:01:20	16:09:00	00:03:04	-----	263-	11-	190-	2619
S2 (113)	17/07/28	16:04:45	16:16:51	00:07:51	-----	290-	51-	134-	16351
C1 (21)	17/07/28	16:05:47	16:18:24	00:01:33	-----	220-	40-	75-	98387
A1 (05)	17/07/28	16:09:43	16:16:31	00:01:05	-----	259-	9-	197-	2528
T3 (105)	17/07/28	16:11:28	16:20:41	00:04:09	-----	178-	15-	85-	15392
B8 (20)	17/07/28	16:16:26	16:29:17	00:08:36	-----	285-	47-	134-	99084
T4 (114)	17/07/28	16:25:07	16:37:17	00:08:00	-----	228-	56-	70-	16230
A3 (07)	17/07/28	16:26:55	16:31:04	00:06:01	-----	246-	6-	215-	2620
C7 (27)	17/07/28	16:29:30	16:42:25	00:11:20	-----	228-	50-	74-	98426
B4 (16)	17/07/28	16:29:43	16:42:29	00:00:04	-----	285-	44-	137-	99073
S3 (112)	17/07/28	16:31:09	16:42:50	00:00:20	-----	287-	37-	145-	16346
G2 (04)	17/07/28	16:33:44	16:46:00	00:03:09	-----	32-	56-	194-	1231
B3 (15)	17/07/28	16:43:42	16:56:15	00:10:15	-----	284-	38-	142-	99073
S4 (119)	17/07/28	16:57:14	17:08:14	00:11:00	00:00:59	283-	27-	157-	16263
B2 (14)	17/07/28	16:59:41	17:11:51	00:03:36	-----	282-	32-	148-	99073
T1 (118)	17/07/28	17:00:19	17:12:43	00:00:51	-----	243-	83-	69-	16144
B1 (13)	17/07/28	17:15:55	17:27:41	00:11:46	00:03:12	280-	27-	155-	98986
S1 (116)	17/07/28	17:23:31	17:33:19	00:05:37	-----	277-	18-	172-	16264
B6 (18)	17/07/28	17:31:19	17:42:02	00:08:43	-----	276-	20-	167-	99074
T2 (110)	17/07/28	17:35:00	17:47:25	00:05:22	-----	254-	76-	69-	16228
C3 (23)	17/07/28	17:37:58	17:51:17	00:03:52	-----	251-	88-	75-	98430
B7 (19)	17/07/28	17:46:11	17:56:06	00:04:48	-----	272-	16-	175-	99074
S2 (113)	17/07/28	17:49:44	17:57:44	00:01:37	-----	269-	12-	187-	16352
C1 (21)	17/07/28	17:50:51	18:04:10	00:06:26	-----	256-	86-	76-	98388
T3 (105)	17/07/28	17:53:37	18:06:14	00:02:04	-----	229-	58-	69-	15393
B8 (20)	17/07/28	18:03:12	18:11:58	00:05:43	-----	267-	13-	184-	99085
T4 (114)	17/07/28	18:08:51	18:21:11	00:09:12	-----	264-	63-	72-	16231
G2 (04)	17/07/28	18:12:38	18:23:23	00:02:11	-----	11-	25-	250-	1232
C7 (27)	17/07/28	18:14:50	18:28:09	00:04:46	-----	262-	79-	78-	98427
B4 (16)	17/07/28	18:16:42	18:24:51	00:03:01	-----	265-	11-	188-	99074
S3 (112)	17/07/28	18:17:19	18:22:07	00:02:04	-----	253-	7-	211-	16347
B3 (15)	17/07/28	18:31:11	18:37:55	00:06:43	00:09:04	258-	9-	199-	99074
T1 (118)	17/07/28	18:44:24	18:56:41	00:12:16	00:06:29	274-	55-	77-	16145
B2 (14)	17/07/28	18:48:22	18:52:02	00:04:03	-----	243-	6-	218-	99074
T2 (110)	17/07/28	19:19:14	19:31:30	00:12:16	00:27:11	281-	54-	83-	16229
C3 (23)	17/07/28	19:23:49	19:37:08	00:05:38	-----	277-	72-	89-	98431
C1 (21)	17/07/28	19:36:43	19:50:02	00:12:53	-----	279-	74-	93-	98389
T3 (105)	17/07/28	19:38:13	19:51:00	00:00:57	-----	265-	63-	72-	15394
T4 (114)	17/07/28	19:53:05	20:05:23	00:12:17	00:02:05	286-	58-	91-	16232
C7 (27)	17/07/28	20:00:44	20:14:02	00:08:39	-----	282-	78-	98-	98428
K3 (103)	17/07/28	20:14:18	20:20:22	00:06:04	00:00:15	160-	8-	101-	15258
T1 (118)	17/07/28	20:28:33	20:40:56	00:12:23	00:08:10	290-	69-	101-	16146
K9 (109)	17/07/28	20:39:31	20:48:30	00:07:34	-----	178-	15-	85-	15258
K4 (104)	17/07/28	20:56:23	21:05:32	00:09:09	00:07:52	180-	16-	84-	15430
T2 (110)	17/07/28	21:03:15	21:15:40	00:10:08	-----	291-	87-	112-	16230
K7 (107)	17/07/28	21:03:41	21:14:00	00:01:04	-----	192-	21-	79-	15258
C3 (23)	17/07/28	21:09:36	21:22:51	00:08:50	-----	286-	72-	118-	98432
C1 (21)	17/07/28	21:22:28	21:35:38	00:12:46	-----	286-	63-	123-	98390
T3 (105)	17/07/28	21:23:18	21:36:04	00:00:26	-----	286-	60-	92-	15395
K6 (106)	17/07/28	21:27:57	21:39:10	00:03:05	-----	205-	30-	74-	16157

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
T4 (114)	17/07/28	21:37:01	21:49:19	00:10:09	-----	291-	69-	124-	16233
C7 (27)	17/07/28	21:46:27	21:59:26	00:10:06	-----	286-	52-	131-	98429
K3 (103)	17/07/28	21:54:13	22:06:02	00:06:36	-----	218-	41-	72-	15259
T1 (118)	17/07/28	22:12:27	22:24:25	00:11:57	00:06:25	289-	45-	139-	16147
K9 (109)	17/07/28	22:20:57	22:33:09	00:08:44	-----	230-	59-	69-	15259
K4 (104)	17/07/28	22:38:02	22:50:12	00:12:09	00:04:52	232-	62-	69-	15431
K7 (107)	17/07/28	22:45:54	22:58:16	00:08:03	-----	239-	76-	69-	15259
T2 (110)	17/07/28	22:47:17	22:58:30	00:00:13	-----	284-	29-	154-	16231
C3 (23)	17/07/28	22:55:37	23:07:00	00:08:30	-----	279-	24-	159-	98433
T3 (105)	17/07/28	23:08:05	23:20:50	00:12:45	00:01:04	291-	68-	125-	15396
C1 (21)	17/07/28	23:08:39	23:19:22	00:01:02	-----	276-	20-	167-	98391
K6 (106)	17/07/28	23:10:47	23:23:11	00:03:49	-----	248-	86-	69-	16158
T4 (114)	17/07/28	23:21:24	23:31:16	00:08:04	-----	277-	19-	171-	16234
C7 (27)	17/07/28	23:33:01	23:42:30	00:09:29	00:01:45	270-	15-	178-	98430
K3 (103)	17/07/28	23:37:34	23:49:57	00:07:26	-----	257-	72-	70-	15260
T1 (118)	17/07/28	23:57:47	00:04:45	00:06:58	00:07:49	264-	10-	195-	16148
K9 (109)	17/07/29	00:04:44	00:17:03	00:12:18	-----	266-	61-	72-	15260
K4 (104)	17/07/29	00:21:58	00:34:12	00:12:14	00:04:54	267-	60-	73-	15432
K7 (107)	17/07/29	00:29:56	00:42:12	00:08:00	-----	272-	56-	75-	15260
G2 (04)	17/07/29	00:38:15	00:46:26	00:04:14	-----	80-	12-	1-	1236
T3 (105)	17/07/29	00:53:21	01:03:31	00:10:10	00:06:54	278-	18-	171-	15397
K6 (106)	17/07/29	00:54:58	01:07:13	00:03:41	-----	278-	54-	79-	16159
K3 (103)	17/07/29	01:21:49	01:34:04	00:12:14	00:14:36	282-	55-	85-	15261
D3 (31)	17/07/29	01:24:08	01:30:41	00:03:02	-----	163-	9-	103-	92074
D4 (32)	17/07/29	01:40:52	01:49:38	00:08:45	00:10:11	176-	13-	91-	92161
D2 (30)	17/07/29	01:43:58	01:50:53	00:01:15	-----	165-	9-	101-	92162
K9 (109)	17/07/29	01:48:58	02:01:16	00:10:22	-----	287-	59-	92-	15261
K4 (104)	17/07/29	02:06:16	02:18:32	00:12:16	00:05:00	287-	60-	93-	15433
D6 (34)	17/07/29	02:07:18	02:15:24	00:03:07	-----	172-	11-	95-	92165
G2 (04)	17/07/29	02:13:33	02:26:10	00:10:45	-----	137-	57-	339-	1237
K7 (107)	17/07/29	02:14:06	02:26:27	00:00:16	-----	289-	66-	99-	15261
D7 (35)	17/07/29	02:24:48	02:34:13	00:07:45	-----	181-	14-	88-	92162
K6 (106)	17/07/29	02:39:03	02:51:26	00:12:23	00:04:50	291-	77-	106-	16160
D8 (36)	17/07/29	02:44:31	02:55:28	00:04:01	-----	195-	21-	81-	92118
D3 (31)	17/07/29	03:05:43	03:18:13	00:12:29	00:10:15	218-	38-	76-	92075
K3 (103)	17/07/29	03:05:48	03:18:12	00:00:01	-----	291-	88-	115-	15262
D4 (32)	17/07/29	03:23:36	03:36:27	00:12:50	00:05:24	226-	47-	74-	92162
D2 (30)	17/07/29	03:25:45	03:38:17	00:01:50	-----	219-	39-	75-	92163
K9 (109)	17/07/29	03:32:53	03:45:10	00:06:52	-----	291-	66-	126-	15262
D6 (34)	17/07/29	03:49:39	04:02:23	00:12:43	00:04:29	223-	44-	75-	92166
K4 (104)	17/07/29	03:50:15	04:02:30	00:00:07	-----	291-	63-	127-	15434
G2 (04)	17/07/29	03:53:04	04:04:05	00:01:34	-----	195-	23-	315-	1238
K7 (107)	17/07/29	03:58:00	04:10:03	00:05:58	-----	289-	50-	135-	15262
D7 (35)	17/07/29	04:07:50	04:20:46	00:10:43	-----	229-	52-	74-	92163
K6 (106)	17/07/29	04:23:00	04:34:38	00:11:38	00:02:13	287-	37-	146-	16161
D8 (36)	17/07/29	04:28:25	04:41:35	00:06:57	-----	238-	66-	73-	92119
K3 (103)	17/07/29	04:49:54	05:00:52	00:10:57	00:08:18	283-	26-	158-	15263
D3 (31)	17/07/29	04:50:42	05:04:00	00:03:07	-----	254-	88-	76-	92076
D4 (32)	17/07/29	05:08:55	05:22:13	00:13:17	00:04:56	260-	80-	77-	92163
D2 (30)	17/07/29	05:10:46	05:24:03	00:01:50	-----	255-	87-	76-	92164

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K9 (109)	17/07/29	05:17:21	05:26:55	00:02:52	-----	276-	17-	174-	15263
D6 (34)	17/07/29	05:34:50	05:48:07	00:13:17	00:07:54	258-	83-	77-	92167
K4 (104)	17/07/29	05:34:53	05:44:15	00:03:05	-----	275-	16-	177-	15435
K7 (107)	17/07/29	05:43:01	05:50:53	00:06:38	-----	268-	12-	189-	15263
D7 (35)	17/07/29	05:53:13	06:06:30	00:13:17	00:02:19	262-	78-	78-	92164
A7 (11)	17/07/29	06:08:05	06:14:03	00:05:57	00:01:35	161-	8-	106-	2628
K6 (106)	17/07/29	06:09:13	06:13:51	00:00:01	-----	252-	7-	213-	16162
D8 (36)	17/07/29	06:14:03	06:27:21	00:13:17	00:00:12	269-	73-	82-	92120
A6 (10)	17/07/29	06:20:45	06:28:05	00:00:44	-----	168-	10-	98-	20130
A2 (06)	17/07/29	06:35:46	06:44:44	00:08:58	00:07:40	179-	14-	90-	2628
D3 (31)	17/07/29	06:36:35	06:49:50	00:05:05	-----	278-	73-	91-	92077
A1 (05)	17/07/29	06:43:27	06:52:58	00:03:07	-----	184-	15-	87-	2537
D4 (32)	17/07/29	06:54:51	07:08:08	00:13:16	00:01:53	281-	76-	96-	92164
D2 (30)	17/07/29	06:56:39	07:09:54	00:01:46	-----	279-	73-	92-	92165
A3 (07)	17/07/29	06:58:57	07:09:22	00:00:03	-----	192-	19-	83-	2629
A4 (08)	17/07/29	07:13:34	07:24:50	00:11:15	00:04:12	202-	24-	79-	2629
D6 (34)	17/07/29	07:20:43	07:34:00	00:09:09	-----	280-	75-	94-	92168
A8 (12)	17/07/29	07:24:32	07:36:07	00:02:07	-----	206-	28-	78-	2610
A5 (09)	17/07/29	07:37:19	07:49:10	00:11:51	00:01:12	209-	31-	77-	2629
D7 (35)	17/07/29	07:39:06	07:52:23	00:03:12	-----	282-	78-	98-	92165
A7 (11)	17/07/29	07:49:03	08:01:16	00:08:52	-----	217-	37-	76-	2629
S1 (116)	17/07/29	07:51:26	07:56:15	00:05:00	-----	150-	7-	104-	16273
D8 (36)	17/07/29	07:59:54	08:13:13	00:13:18	00:03:39	285-	88-	106-	92121
A6 (10)	17/07/29	08:02:25	08:14:49	00:01:35	-----	221-	41-	75-	20131
B6 (18)	17/07/29	08:12:52	08:18:23	00:03:33	-----	155-	7-	105-	99083
S2 (113)	17/07/29	08:15:07	08:23:09	00:04:46	-----	173-	12-	91-	16361
A2 (06)	17/07/29	08:18:14	08:30:55	00:07:45	-----	228-	50-	74-	2629
D3 (31)	17/07/29	08:22:20	08:35:29	00:04:33	-----	286-	66-	121-	92078
A1 (05)	17/07/29	08:26:13	08:38:58	00:03:29	-----	231-	54-	74-	2538
B7 (19)	17/07/29	08:26:20	08:33:46	00:05:01	-----	168-	10-	98-	99083
S3 (112)	17/07/29	08:40:15	08:50:04	00:09:49	00:06:28	188-	18-	81-	16356
D4 (32)	17/07/29	08:40:38	08:53:37	00:03:33	-----	286-	55-	129-	92165
B8 (20)	17/07/29	08:42:00	08:50:55	00:02:04	-----	178-	13-	90-	99094
A3 (07)	17/07/29	08:42:13	08:55:06	00:04:10	-----	236-	63-	74-	2630
D2 (30)	17/07/29	08:42:24	08:55:32	00:00:25	-----	286-	65-	122-	92166
B4 (16)	17/07/29	08:54:56	09:04:24	00:08:52	-----	182-	15-	88-	99083
A4 (08)	17/07/29	08:57:22	09:10:21	00:05:57	-----	243-	73-	74-	2630
S4 (119)	17/07/29	09:05:25	09:16:18	00:05:57	-----	199-	26-	76-	16273
D6 (34)	17/07/29	09:06:27	09:19:32	00:03:13	-----	286-	59-	126-	92169
B3 (15)	17/07/29	09:08:20	09:18:36	00:00:05	-----	189-	18-	84-	99083
A8 (12)	17/07/29	09:08:33	09:21:33	00:02:57	-----	246-	79-	74-	2611
A5 (09)	17/07/29	09:21:32	09:34:33	00:12:59	-----	250-	85-	75-	2630
B2 (14)	17/07/29	09:23:39	09:34:44	00:00:11	-----	197-	22-	81-	99083
D7 (35)	17/07/29	09:24:50	09:37:45	00:03:00	-----	286-	51-	132-	92166
S1 (116)	17/07/29	09:30:44	09:42:25	00:04:40	-----	215-	37-	72-	16274
A7 (11)	17/07/29	09:33:32	09:46:34	00:04:08	-----	254-	89-	75-	2630
B1 (13)	17/07/29	09:39:24	09:51:02	00:04:27	-----	204-	26-	78-	98996
D8 (36)	17/07/29	09:45:41	09:58:12	00:07:10	-----	284-	38-	142-	92122
A6 (10)	17/07/29	09:47:04	10:00:06	00:01:53	-----	257-	84-	76-	20132
B6 (18)	17/07/29	09:53:57	10:06:19	00:06:13	-----	215-	35-	76-	99084

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
S2 (113)	17/07/29	09:56:01	10:08:07	00:01:48	-----	225-	51-	70-	16362
A2 (06)	17/07/29	10:03:07	10:16:11	00:08:03	-----	262-	79-	78-	2630
B7 (19)	17/07/29	10:08:21	10:21:00	00:04:48	-----	220-	41-	75-	99084
D3 (31)	17/07/29	10:08:27	10:19:23	00:01:03	-----	277-	21-	165-	92079
A1 (05)	17/07/29	10:11:11	10:24:14	00:04:51	-----	264-	77-	79-	2539
S3 (112)	17/07/29	10:22:09	10:34:28	00:10:14	-----	235-	68-	69-	16357
B8 (20)	17/07/29	10:24:47	10:37:39	00:03:10	-----	226-	48-	74-	99095
D4 (32)	17/07/29	10:27:07	10:36:56	00:00:04	-----	272-	16-	175-	92166
A3 (07)	17/07/29	10:27:21	10:40:23	00:03:26	-----	267-	73-	81-	2631
D2 (30)	17/07/29	10:28:33	10:39:20	00:01:02	-----	276-	20-	166-	92167
B4 (16)	17/07/29	10:38:00	10:50:57	00:11:36	-----	229-	52-	74-	99084
A4 (08)	17/07/29	10:42:38	10:55:38	00:04:41	-----	272-	71-	84-	2631
S4 (119)	17/07/29	10:48:00	11:00:25	00:04:46	-----	245-	87-	69-	16274
B3 (15)	17/07/29	10:51:50	11:04:54	00:04:29	-----	234-	59-	74-	99084
D6 (34)	17/07/29	10:52:46	11:03:01	00:01:05	-----	274-	18-	171-	92170
A8 (12)	17/07/29	10:53:53	11:06:52	00:03:51	-----	274-	71-	86-	2612
A5 (09)	17/07/29	11:06:54	11:19:53	00:12:59	00:00:01	276-	71-	88-	2631
B2 (14)	17/07/29	11:07:38	11:20:49	00:00:56	-----	239-	68-	74-	99084
D7 (35)	17/07/29	11:11:27	11:20:42	00:00:07	-----	269-	14-	181-	92167
S1 (116)	17/07/29	11:13:57	11:26:22	00:05:39	-----	254-	76-	69-	16275
A7 (11)	17/07/29	11:18:56	11:31:56	00:05:34	-----	278-	72-	91-	2631
B1 (13)	17/07/29	11:23:43	11:36:59	00:05:02	-----	244-	76-	74-	98997
A6 (10)	17/07/29	11:32:29	11:45:29	00:08:30	-----	279-	74-	93-	20133
D8 (36)	17/07/29	11:33:13	11:39:49	00:05:04	-----	258-	9-	199-	92123
B6 (18)	17/07/29	11:38:48	11:52:07	00:12:17	-----	252-	89-	75-	99085
S2 (113)	17/07/29	11:39:39	11:52:01	00:00:06	-----	262-	65-	71-	16363
A2 (06)	17/07/29	11:48:33	12:01:35	00:09:34	-----	282-	77-	98-	2631
B7 (19)	17/07/29	11:53:26	12:06:45	00:05:09	-----	256-	85-	76-	99085
A1 (05)	17/07/29	11:56:36	12:09:39	00:02:53	-----	283-	80-	99-	2540
S3 (112)	17/07/29	12:06:04	12:18:23	00:08:44	-----	269-	58-	74-	16358
B8 (20)	17/07/29	12:10:05	12:23:22	00:04:59	-----	261-	80-	78-	99096
A3 (07)	17/07/29	12:12:45	12:25:47	00:02:24	-----	284-	85-	104-	2632
B4 (16)	17/07/29	12:23:22	12:36:41	00:10:53	-----	262-	78-	79-	99085
A4 (08)	17/07/29	12:28:00	12:41:00	00:04:19	-----	285-	86-	109-	2632
S4 (119)	17/07/29	12:32:08	12:44:24	00:03:24	-----	275-	55-	78-	16275
B3 (15)	17/07/29	12:37:21	12:50:39	00:06:14	-----	266-	75-	80-	99085
A8 (12)	17/07/29	12:39:13	12:52:12	00:01:33	-----	286-	81-	113-	2613
A5 (09)	17/07/29	12:52:13	13:05:10	00:12:56	-----	286-	75-	116-	2632
B2 (14)	17/07/29	12:53:18	13:06:35	00:01:25	-----	269-	73-	83-	99085
S1 (116)	17/07/29	12:58:11	13:10:27	00:03:51	-----	281-	54-	83-	16276
A7 (11)	17/07/29	13:04:14	13:17:07	00:06:40	-----	286-	67-	121-	2632
B1 (13)	17/07/29	13:09:28	13:22:46	00:05:38	-----	272-	72-	85-	98998
A6 (10)	17/07/29	13:17:46	13:30:36	00:07:49	-----	286-	61-	124-	20134
S2 (113)	17/07/29	13:23:54	13:36:11	00:05:35	-----	285-	57-	89-	16364
B6 (18)	17/07/29	13:24:39	13:37:58	00:01:46	-----	277-	72-	90-	99086
A2 (06)	17/07/29	13:33:49	13:46:31	00:08:33	-----	286-	52-	130-	2632
B7 (19)	17/07/29	13:39:19	13:52:37	00:06:05	-----	279-	74-	93-	99086
A1 (05)	17/07/29	13:41:52	13:54:29	00:01:52	-----	285-	48-	133-	2541
T4 (114)	17/07/29	13:49:34	13:54:00	00:00:02	-----	147-	7-	105-	16243
C1 (21)	17/07/29	13:50:14	13:55:42	00:01:41	-----	154-	7-	105-	98400

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
S3 (112)	17/07/29	13:50:17	14:02:38	00:06:55	-----	288-	62-	96-	16359
B8 (20)	17/07/29	13:55:58	14:09:15	00:06:37	-----	281-	77-	97-	99097
A3 (07)	17/07/29	13:58:03	14:10:24	00:01:08	-----	284-	40-	140-	2633
B4 (16)	17/07/29	14:09:15	14:22:34	00:12:10	-----	282-	79-	99-	99086
C7 (27)	17/07/29	14:12:35	14:20:45	00:01:04	-----	172-	11-	94-	98439
A4 (08)	17/07/29	14:13:21	14:25:17	00:04:31	-----	282-	32-	147-	2633
S4 (119)	17/07/29	14:16:15	14:28:39	00:03:22	-----	290-	72-	103-	16276
T1 (118)	17/07/29	14:22:15	14:31:06	00:02:27	-----	180-	14-	86-	16157
B3 (15)	17/07/29	14:23:13	14:36:32	00:05:26	-----	283-	83-	102-	99086
A8 (12)	17/07/29	14:24:38	14:36:17	00:00:01	-----	281-	29-	152-	2614
A5 (09)	17/07/29	14:37:42	14:49:02	00:11:19	00:01:25	279-	25-	157-	2633
B2 (14)	17/07/29	14:39:08	14:52:27	00:03:25	-----	285-	90-	107-	99086
S1 (116)	17/07/29	14:42:12	14:54:37	00:02:10	-----	291-	87-	112-	16277
A7 (11)	17/07/29	14:49:52	15:00:38	00:06:00	-----	277-	21-	164-	2633
B1 (13)	17/07/29	14:55:17	15:08:36	00:07:57	-----	285-	84-	111-	98999
T2 (110)	17/07/29	14:55:40	15:06:20	00:02:01	-----	198-	24-	77-	16241
A6 (10)	17/07/29	15:03:32	15:13:47	00:07:27	-----	274-	18-	169-	20135
S2 (113)	17/07/29	15:07:50	15:20:12	00:06:25	-----	291-	75-	121-	16365
B6 (18)	17/07/29	15:10:25	15:23:39	00:03:27	-----	286-	70-	119-	99087
C3 (23)	17/07/29	15:18:49	15:30:49	00:07:09	-----	208-	30-	77-	98443
A2 (06)	17/07/29	15:19:54	15:29:10	00:01:03	-----	270-	14-	178-	2633
B7 (19)	17/07/29	15:25:03	15:38:12	00:09:01	-----	286-	62-	124-	99087
T3 (105)	17/07/29	15:27:24	15:34:26	00:03:04	-----	164-	10-	98-	15406
A1 (05)	17/07/29	15:28:09	15:36:48	00:02:22	-----	267-	13-	184-	2542
T4 (114)	17/07/29	15:28:40	15:40:19	00:03:30	-----	214-	36-	73-	16244
C1 (21)	17/07/29	15:31:18	15:43:40	00:03:21	-----	215-	35-	76-	98401
S3 (112)	17/07/29	15:34:11	15:46:22	00:02:42	-----	290-	57-	131-	16360
B8 (20)	17/07/29	15:41:41	15:54:41	00:08:18	-----	286-	54-	129-	99098
A3 (07)	17/07/29	15:44:51	15:51:55	00:02:04	-----	260-	10-	196-	2634
C7 (27)	17/07/29	15:54:58	16:07:43	00:12:44	00:03:02	223-	44-	75-	98440
B4 (16)	17/07/29	15:54:59	16:07:55	00:00:11	-----	286-	50-	132-	99087
S4 (119)	17/07/29	16:00:10	16:12:02	00:04:07	-----	288-	42-	141-	16277
A4 (08)	17/07/29	16:01:23	16:05:17	00:06:04	-----	244-	6-	217-	2634
T1 (118)	17/07/29	16:03:36	16:15:48	00:10:31	-----	230-	58-	69-	16158
G2 (04)	17/07/29	16:05:39	16:16:57	00:01:08	-----	41-	29-	173-	1245
B3 (15)	17/07/29	16:08:57	16:21:43	00:04:46	-----	285-	44-	137-	99087
B2 (14)	17/07/29	16:24:55	16:37:22	00:12:27	00:03:12	284-	37-	143-	99087
S1 (116)	17/07/29	16:26:15	16:37:27	00:00:04	-----	284-	29-	154-	16278
T2 (110)	17/07/29	16:38:06	16:50:30	00:12:23	00:00:39	243-	82-	69-	16242
B1 (13)	17/07/29	16:41:07	16:53:15	00:02:45	-----	282-	31-	149-	99000
S2 (113)	17/07/29	16:52:07	17:02:24	00:09:08	-----	279-	21-	166-	16366
B6 (18)	17/07/29	16:56:28	17:07:44	00:05:19	-----	278-	23-	161-	99088
C3 (23)	17/07/29	17:03:24	17:16:42	00:08:58	-----	248-	82-	74-	98444
T3 (105)	17/07/29	17:08:24	17:20:44	00:04:01	-----	220-	44-	71-	15407
B7 (19)	17/07/29	17:11:16	17:21:54	00:01:10	-----	275-	19-	168-	99088
T4 (114)	17/07/29	17:11:51	17:24:15	00:02:21	-----	254-	77-	69-	16245
C1 (21)	17/07/29	17:16:09	17:29:28	00:05:12	-----	252-	89-	75-	98402
S3 (112)	17/07/29	17:18:55	17:27:39	00:01:04	-----	272-	14-	181-	16361
B8 (20)	17/07/29	17:28:10	17:37:52	00:09:42	00:00:30	271-	15-	176-	99099
C7 (27)	17/07/29	17:40:09	17:53:28	00:13:18	00:02:16	258-	83-	77-	98441

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B4 (16)	17/07/29	17:41:37	17:50:50	00:02:03	-----	269-	14-	180-	99088
G2 (04)	17/07/29	17:43:56	17:55:47	00:04:56	-----	18-	42-	231-	1246
S4 (119)	17/07/29	17:45:45	17:52:04	00:03:04	-----	260-	9-	201-	16278
T1 (118)	17/07/29	17:47:22	17:59:42	00:07:38	-----	265-	62-	72-	16159
B3 (15)	17/07/29	17:55:57	18:04:02	00:04:19	-----	264-	11-	189-	99088
B2 (14)	17/07/29	18:12:38	18:18:44	00:06:05	00:08:36	256-	8-	203-	99088
T2 (110)	17/07/29	18:22:11	18:34:28	00:12:16	00:03:27	274-	55-	77-	16243
B1 (13)	17/07/29	18:30:07	18:33:08	00:01:02	-----	246-	6-	217-	99001
C3 (23)	17/07/29	18:49:13	19:02:31	00:13:18	00:16:04	274-	72-	87-	98445
T3 (105)	17/07/29	18:52:40	19:05:30	00:02:58	-----	258-	71-	70-	15408
T4 (114)	17/07/29	18:56:05	19:08:20	00:02:50	-----	281-	54-	83-	16246
C1 (21)	17/07/29	19:02:00	19:15:18	00:06:58	-----	277-	72-	90-	98403
G2 (04)	17/07/29	19:24:03	19:30:17	00:06:14	00:08:44	354-	9-	291-	1247
C7 (27)	17/07/29	19:26:02	19:39:20	00:09:03	-----	280-	75-	95-	98442
T1 (118)	17/07/29	19:31:36	19:43:55	00:04:34	-----	287-	59-	91-	16160
K9 (109)	17/07/29	19:44:56	19:50:18	00:05:22	00:01:00	158-	8-	106-	15272
K4 (104)	17/07/29	20:02:51	20:08:53	00:06:02	00:12:32	161-	8-	102-	15444
T2 (110)	17/07/29	20:06:20	20:18:43	00:09:50	-----	290-	69-	101-	16244
K7 (107)	17/07/29	20:08:15	20:16:27	00:02:01	-----	174-	12-	90-	15272
K6 (106)	17/07/29	20:32:04	20:41:54	00:09:49	00:15:37	186-	18-	81-	16171
C3 (23)	17/07/29	20:35:01	20:48:19	00:06:24	-----	286-	78-	114-	98446
T3 (105)	17/07/29	20:37:46	20:50:29	00:02:10	-----	283-	56-	86-	15409
T4 (114)	17/07/29	20:40:07	20:52:31	00:02:01	-----	291-	86-	112-	16247
C1 (21)	17/07/29	20:47:46	21:01:00	00:08:29	-----	286-	70-	119-	98404
K3 (103)	17/07/29	20:58:01	21:08:56	00:07:56	-----	200-	26-	76-	15273
C7 (27)	17/07/29	21:11:46	21:24:52	00:13:05	00:02:50	286-	58-	126-	98443
T1 (118)	17/07/29	21:15:31	21:27:50	00:02:58	-----	291-	68-	125-	16161
K9 (109)	17/07/29	21:24:28	21:36:12	00:08:22	-----	216-	39-	72-	15273
K4 (104)	17/07/29	21:42:52	21:54:37	00:11:44	00:06:40	218-	41-	72-	15445
K7 (107)	17/07/29	21:49:14	22:01:21	00:06:43	-----	226-	52-	70-	15273
T2 (110)	17/07/29	21:50:14	22:02:12	00:00:51	-----	289-	45-	138-	16245
K6 (106)	17/07/29	22:13:59	22:26:18	00:12:18	00:11:46	236-	69-	69-	16172
C3 (23)	17/07/29	22:20:56	22:32:45	00:06:27	-----	281-	28-	154-	98447
T3 (105)	17/07/29	22:22:36	22:35:27	00:02:42	-----	291-	84-	117-	15410
T4 (114)	17/07/29	22:24:08	22:35:22	00:00:04	-----	285-	30-	153-	16248
C1 (21)	17/07/29	22:33:48	22:45:05	00:09:42	-----	278-	23-	161-	98405
K3 (103)	17/07/29	22:40:38	22:53:02	00:07:57	-----	245-	87-	69-	15274
C7 (27)	17/07/29	22:58:06	23:08:21	00:10:15	00:05:03	274-	17-	171-	98444
T1 (118)	17/07/29	22:59:57	23:09:43	00:01:22	-----	277-	18-	172-	16162
K9 (109)	17/07/29	23:07:45	23:20:08	00:10:25	-----	255-	74-	70-	15274
K4 (104)	17/07/29	23:26:20	23:38:38	00:12:18	00:06:11	257-	72-	70-	15446
K7 (107)	17/07/29	23:32:53	23:45:14	00:06:35	-----	263-	65-	71-	15274
T2 (110)	17/07/29	23:35:33	23:42:37	00:02:03	-----	264-	10-	195-	16246
K6 (106)	17/07/29	23:57:55	00:10:13	00:12:17	00:15:18	270-	58-	74-	16173
T3 (105)	17/07/30	00:07:35	00:18:49	00:08:36	-----	283-	25-	159-	15411
G2 (04)	17/07/30	00:12:11	00:17:00	00:01:04	-----	56-	7-	13-	1250
K3 (103)	17/07/30	00:24:46	00:37:01	00:12:15	00:07:46	276-	55-	78-	15275
K9 (109)	17/07/30	00:52:00	01:04:14	00:12:14	00:14:57	282-	54-	84-	15275
D4 (32)	17/07/30	01:07:29	01:15:05	00:07:36	00:03:14	169-	10-	97-	92175
D2 (30)	17/07/30	01:10:28	01:15:28	00:00:23	-----	152-	7-	107-	92176

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
K4 (104)	17/07/30	01:10:40	01:22:52	00:07:23	-----	283-	55-	85-	15447
K7 (107)	17/07/30	01:17:08	01:29:25	00:06:33	-----	285-	57-	89-	15275
D6 (34)	17/07/30	01:33:34	01:40:13	00:06:39	00:04:08	163-	9-	102-	92179
K6 (106)	17/07/30	01:42:07	01:54:27	00:12:19	00:01:53	288-	62-	96-	16174
G2 (04)	17/07/30	01:45:45	01:57:32	00:03:04	-----	119-	33-	346-	1251
D7 (35)	17/07/30	01:50:49	01:59:13	00:01:41	-----	174-	12-	93-	92176
K3 (103)	17/07/30	02:08:53	02:21:16	00:12:22	00:09:39	290-	72-	103-	15276
D8 (36)	17/07/30	02:10:19	02:20:39	00:00:03	-----	189-	18-	84-	92132
D3 (31)	17/07/30	02:31:19	02:43:31	00:12:11	00:10:40	211-	33-	76-	92089
K9 (109)	17/07/30	02:36:00	02:48:24	00:04:52	-----	291-	89-	113-	15276
D4 (32)	17/07/30	02:49:39	03:02:19	00:12:40	00:01:15	221-	42-	75-	92176
D2 (30)	17/07/30	02:51:19	03:03:36	00:01:17	-----	214-	34-	76-	92177
K4 (104)	17/07/30	02:54:44	03:07:06	00:03:30	-----	291-	87-	115-	15448
K7 (107)	17/07/30	03:01:04	03:13:25	00:06:18	-----	291-	74-	122-	15276
D6 (34)	17/07/30	03:15:13	03:27:43	00:12:30	00:01:47	218-	38-	75-	92180
G2 (04)	17/07/30	03:23:49	03:36:10	00:08:26	-----	174-	42-	324-	1252
K6 (106)	17/07/30	03:26:01	03:38:11	00:02:01	-----	290-	56-	131-	16175
D7 (35)	17/07/30	03:33:19	03:46:07	00:07:55	-----	224-	45-	74-	92177
K3 (103)	17/07/30	03:52:48	04:04:38	00:11:49	00:06:41	288-	41-	142-	15277
D8 (36)	17/07/30	03:53:51	04:06:57	00:02:19	-----	234-	60-	74-	92133
D3 (31)	17/07/30	04:16:04	04:29:21	00:13:16	00:09:07	251-	87-	75-	92090
K9 (109)	17/07/30	04:20:03	04:31:10	00:01:49	-----	284-	28-	155-	15277
D4 (32)	17/07/30	04:34:48	04:48:06	00:13:17	00:03:38	257-	84-	76-	92177
D2 (30)	17/07/30	04:36:08	04:49:24	00:01:18	-----	252-	88-	75-	92178
K4 (104)	17/07/30	04:38:55	04:49:50	00:00:26	-----	283-	26-	158-	15449
K7 (107)	17/07/30	04:45:22	04:55:32	00:05:41	-----	279-	20-	168-	15277
D6 (34)	17/07/30	05:00:12	05:13:29	00:13:17	00:04:39	255-	87-	76-	92181
K6 (106)	17/07/30	05:10:46	05:19:27	00:05:57	-----	272-	14-	183-	16176
D7 (35)	17/07/30	05:18:33	05:31:51	00:12:23	-----	259-	82-	77-	92178
K3 (103)	17/07/30	05:38:27	05:44:34	00:06:06	00:06:36	259-	9-	202-	15278
D8 (36)	17/07/30	05:39:23	05:52:41	00:08:06	-----	266-	75-	80-	92134
A6 (10)	17/07/30	05:41:32	05:46:08	00:06:03	-----	149-	7-	108-	20144
A2 (06)	17/07/30	05:55:59	06:03:15	00:07:16	00:09:50	168-	10-	99-	2642
D3 (31)	17/07/30	06:01:55	06:15:10	00:11:54	-----	276-	72-	89-	92091
A1 (05)	17/07/30	06:03:31	06:11:37	00:03:03	-----	173-	11-	94-	2551
A3 (07)	17/07/30	06:18:49	06:28:10	00:09:20	00:07:12	182-	15-	88-	2643
D4 (32)	17/07/30	06:20:44	06:34:00	00:05:50	-----	279-	74-	93-	92178
D2 (30)	17/07/30	06:21:59	06:35:14	00:01:14	-----	277-	72-	89-	92179
A4 (08)	17/07/30	06:33:15	06:43:44	00:08:29	-----	193-	19-	83-	2643
A8 (12)	17/07/30	06:44:09	06:55:05	00:10:55	00:00:24	198-	22-	81-	2624
D6 (34)	17/07/30	06:46:05	06:59:21	00:04:16	-----	278-	73-	92-	92182
A5 (09)	17/07/30	06:56:51	07:08:10	00:08:49	-----	203-	25-	79-	2643
D7 (35)	17/07/30	07:04:27	07:17:43	00:09:32	-----	281-	75-	95-	92179
A7 (11)	17/07/30	07:08:33	07:20:17	00:02:34	-----	207-	30-	77-	2643
A6 (10)	17/07/30	07:21:50	07:33:53	00:12:02	00:01:33	214-	34-	77-	20145
D8 (36)	17/07/30	07:25:16	07:38:35	00:04:41	-----	284-	83-	102-	92135
A2 (06)	17/07/30	07:37:35	07:50:00	00:11:25	-----	221-	41-	75-	2643
S3 (112)	17/07/30	07:45:06	07:52:16	00:02:15	-----	167-	10-	96-	16370
A1 (05)	17/07/30	07:45:31	07:58:03	00:05:47	-----	224-	44-	75-	2552
D3 (31)	17/07/30	07:47:41	08:00:54	00:02:50	-----	286-	73-	117-	92092

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B7 (19)	17/07/30	07:52:41	07:58:25	00:02:02	-----	160-	8-	108-	99097
A3 (07)	17/07/30	08:01:29	08:14:13	00:12:43	00:03:04	230-	52-	74-	2644
D4 (32)	17/07/30	08:06:31	08:19:36	00:05:23	-----	286-	61-	124-	92179
D2 (30)	17/07/30	08:07:45	08:20:57	00:01:20	-----	286-	72-	118-	92180
B8 (20)	17/07/30	08:08:01	08:15:46	00:05:01	-----	170-	11-	96-	99108
S4 (119)	17/07/30	08:09:41	08:18:56	00:03:10	-----	183-	16-	84-	16287
A4 (08)	17/07/30	08:16:33	08:29:27	00:10:30	-----	237-	63-	74-	2644
B4 (16)	17/07/30	08:20:52	08:29:20	00:00:06	-----	174-	12-	92-	99097
A8 (12)	17/07/30	08:27:44	08:40:40	00:11:20	-----	240-	69-	74-	2625
D6 (34)	17/07/30	08:31:50	08:45:00	00:04:18	-----	286-	66-	122-	92183
B3 (15)	17/07/30	08:34:09	08:43:38	00:01:02	-----	182-	15-	88-	99097
S1 (116)	17/07/30	08:34:38	08:45:18	00:01:40	-----	198-	24-	77-	16288
A5 (09)	17/07/30	08:40:42	08:53:40	00:08:21	-----	244-	75-	74-	2644
B2 (14)	17/07/30	08:49:22	08:59:52	00:06:12	-----	191-	19-	83-	99097
D7 (35)	17/07/30	08:50:11	09:03:13	00:03:20	-----	286-	57-	127-	92180
A7 (11)	17/07/30	08:52:40	09:05:41	00:02:28	-----	248-	82-	74-	2644
S2 (113)	17/07/30	08:59:40	09:11:07	00:05:25	-----	209-	33-	73-	16376
B1 (13)	17/07/30	09:05:02	09:16:12	00:05:05	-----	198-	22-	80-	99010
A6 (10)	17/07/30	09:06:12	09:19:13	00:03:01	-----	251-	88-	75-	20146
D8 (36)	17/07/30	09:11:00	09:23:45	00:04:31	-----	285-	44-	137-	92136
B6 (18)	17/07/30	09:19:30	09:31:32	00:07:47	-----	210-	31-	77-	99098
A2 (06)	17/07/30	09:22:14	09:35:17	00:03:44	-----	257-	85-	76-	2644
S3 (112)	17/07/30	09:25:33	09:37:32	00:02:15	-----	222-	46-	71-	16371
A1 (05)	17/07/30	09:30:16	09:43:20	00:05:47	-----	259-	82-	77-	2553
D3 (31)	17/07/30	09:33:41	09:45:07	00:01:47	-----	279-	24-	159-	92093
B7 (19)	17/07/30	09:33:51	09:46:14	00:01:07	-----	215-	36-	76-	99098
A3 (07)	17/07/30	09:46:26	09:59:29	00:13:02	00:00:12	263-	77-	79-	2645
B8 (20)	17/07/30	09:50:12	10:02:53	00:03:24	-----	222-	42-	75-	99109
S4 (119)	17/07/30	09:51:15	10:03:31	00:00:37	-----	232-	62-	69-	16288
D4 (32)	17/07/30	09:52:48	10:03:17	00:00:01	-----	275-	19-	168-	92180
D2 (30)	17/07/30	09:53:46	10:05:06	00:01:48	-----	279-	24-	160-	92181
A4 (08)	17/07/30	10:01:42	10:14:43	00:09:37	-----	268-	73-	81-	2645
B4 (16)	17/07/30	10:03:25	10:16:12	00:01:29	-----	224-	46-	74-	99098
A8 (12)	17/07/30	10:12:57	10:25:58	00:09:45	-----	270-	72-	83-	2626
S1 (116)	17/07/30	10:17:04	10:29:28	00:03:30	-----	242-	82-	69-	16289
B3 (15)	17/07/30	10:17:13	10:30:11	00:00:42	-----	229-	52-	74-	99098
D6 (34)	17/07/30	10:17:57	10:28:51	00:01:01	-----	277-	21-	165-	92184
A5 (09)	17/07/30	10:25:59	10:38:58	00:10:06	-----	272-	71-	84-	2645
B2 (14)	17/07/30	10:33:00	10:46:06	00:07:08	-----	235-	61-	74-	99098
D7 (35)	17/07/30	10:36:32	10:46:36	00:00:29	-----	273-	17-	173-	92181
A7 (11)	17/07/30	10:38:01	10:51:01	00:04:25	-----	275-	71-	87-	2645
S2 (113)	17/07/30	10:42:40	10:55:06	00:04:05	-----	251-	81-	69-	16377
B1 (13)	17/07/30	10:49:03	11:02:16	00:07:09	-----	240-	69-	74-	99011
A6 (10)	17/07/30	10:51:35	11:04:35	00:02:18	-----	277-	71-	89-	20147
D8 (36)	17/07/30	10:58:02	11:06:03	00:01:27	-----	264-	11-	189-	92137
B6 (18)	17/07/30	11:04:07	11:17:24	00:11:21	-----	249-	83-	74-	99099
A2 (06)	17/07/30	11:07:39	11:20:41	00:03:16	-----	279-	74-	93-	2645
S3 (112)	17/07/30	11:09:03	11:21:27	00:00:45	-----	259-	69-	70-	16372
A1 (05)	17/07/30	11:15:42	11:28:44	00:07:17	-----	280-	75-	95-	2554
B7 (19)	17/07/30	11:18:43	11:32:02	00:03:18	-----	253-	90-	75-	99099

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A3 (07)	17/07/30	11:31:52	11:44:54	00:12:51	-----	282-	79-	99-	2646
S4 (119)	17/07/30	11:35:05	11:47:25	00:02:31	-----	267-	60-	73-	16289
B8 (20)	17/07/30	11:35:20	11:48:38	00:01:12	-----	257-	84-	76-	99110
A4 (08)	17/07/30	11:47:06	12:00:07	00:11:28	-----	284-	85-	104-	2646
B4 (16)	17/07/30	11:48:38	12:01:57	00:01:49	-----	259-	82-	77-	99099
A8 (12)	17/07/30	11:58:20	12:11:21	00:09:23	-----	285-	90-	107-	2627
S1 (116)	17/07/30	12:01:09	12:13:26	00:02:05	-----	274-	55-	77-	16290
B3 (15)	17/07/30	12:02:37	12:15:55	00:02:28	-----	263-	78-	79-	99099
A5 (09)	17/07/30	12:11:20	12:24:20	00:08:24	-----	285-	85-	110-	2646
B2 (14)	17/07/30	12:18:33	12:31:51	00:07:31	-----	267-	74-	81-	99099
A7 (11)	17/07/30	12:23:21	12:36:19	00:04:27	-----	286-	78-	115-	2646
S2 (113)	17/07/30	12:26:53	12:39:09	00:02:50	-----	279-	54-	81-	16378
B1 (13)	17/07/30	12:34:44	12:48:02	00:08:52	-----	270-	73-	83-	99012
A6 (10)	17/07/30	12:36:53	12:49:49	00:01:47	-----	286-	72-	118-	20148
B6 (18)	17/07/30	12:49:55	13:03:13	00:13:17	00:00:06	275-	72-	88-	99100
A2 (06)	17/07/30	12:52:55	13:05:48	00:02:34	-----	286-	62-	124-	2646
S3 (112)	17/07/30	12:53:18	13:05:35	00:00:01	-----	284-	56-	87-	16373
A1 (05)	17/07/30	13:00:58	13:13:46	00:08:11	-----	286-	58-	127-	2555
B7 (19)	17/07/30	13:04:35	13:17:53	00:04:06	-----	277-	73-	90-	99100
A3 (07)	17/07/30	13:17:08	13:29:46	00:11:53	-----	285-	49-	132-	2647
S4 (119)	17/07/30	13:19:19	13:31:39	00:01:53	-----	287-	60-	93-	16290
B8 (20)	17/07/30	13:21:13	13:34:30	00:02:51	-----	280-	75-	94-	99111
T1 (118)	17/07/30	13:27:45	13:32:45	00:01:04	-----	152-	7-	103-	16171
A4 (08)	17/07/30	13:32:24	13:44:43	00:11:57	-----	284-	40-	140-	2647
B4 (16)	17/07/30	13:34:31	13:47:50	00:03:06	-----	281-	76-	96-	99100
C7 (27)	17/07/30	13:38:47	13:45:33	00:02:01	-----	164-	9-	102-	98453
A8 (12)	17/07/30	13:43:39	13:55:47	00:10:13	-----	283-	35-	144-	2628
S1 (116)	17/07/30	13:45:18	13:57:41	00:01:54	-----	290-	69-	101-	16291
B3 (15)	17/07/30	13:48:29	14:01:48	00:04:06	-----	282-	79-	99-	99100
A5 (09)	17/07/30	13:56:42	14:08:34	00:06:45	-----	282-	31-	149-	2647
T2 (110)	17/07/30	14:00:04	14:08:52	00:00:18	-----	179-	14-	86-	16255
B2 (14)	17/07/30	14:04:25	14:17:44	00:08:51	-----	284-	85-	103-	99100
A7 (11)	17/07/30	14:08:48	14:20:18	00:02:33	-----	280-	27-	155-	2647
S2 (113)	17/07/30	14:10:56	14:23:22	00:03:03	-----	291-	81-	109-	16379
B1 (13)	17/07/30	14:20:34	14:33:54	00:10:32	-----	285-	90-	107-	99013
A6 (10)	17/07/30	14:22:26	14:33:32	00:00:02	-----	278-	23-	160-	20149
T4 (114)	17/07/30	14:32:34	14:43:10	00:09:38	-----	197-	23-	77-	16258
B6 (18)	17/07/30	14:35:43	14:49:00	00:05:49	-----	286-	77-	115-	99101
S3 (112)	17/07/30	14:37:16	14:49:40	00:00:40	-----	291-	82-	118-	16374
A2 (06)	17/07/30	14:38:41	14:49:02	00:00:03	-----	275-	19-	168-	2647
C3 (23)	17/07/30	14:44:32	14:56:08	00:07:06	-----	203-	26-	78-	98457
A1 (05)	17/07/30	14:46:51	14:56:45	00:00:36	-----	273-	17-	173-	2556
B7 (19)	17/07/30	14:50:20	15:03:33	00:06:48	-----	286-	69-	120-	99101
C1 (21)	17/07/30	14:56:51	15:08:54	00:05:20	-----	209-	30-	77-	98415
S4 (119)	17/07/30	15:03:13	15:15:30	00:06:36	-----	291-	63-	127-	16291
A3 (07)	17/07/30	15:03:21	15:12:10	00:03:02	-----	268-	13-	183-	2648
B8 (20)	17/07/30	15:06:57	15:20:03	00:07:53	-----	286-	60-	125-	99112
T1 (118)	17/07/30	15:07:08	15:18:50	00:01:01	-----	215-	38-	72-	16172
A4 (08)	17/07/30	15:19:15	15:26:11	00:06:56	00:00:24	260-	9-	196-	2648
B4 (16)	17/07/30	15:20:15	15:33:19	00:07:07	-----	286-	56-	128-	99101

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
C7 (27)	17/07/30	15:20:29	15:33:01	00:00:01	-----	218-	39-	75-	98454
S1 (116)	17/07/30	15:29:13	15:41:11	00:08:10	-----	289-	45-	138-	16292
A8 (12)	17/07/30	15:31:02	15:36:33	00:04:03	-----	253-	8-	206-	2629
B3 (15)	17/07/30	15:34:13	15:47:09	00:10:35	-----	286-	50-	132-	99101
G2 (04)	17/07/30	15:38:03	15:47:11	00:00:02	-----	53-	15-	149-	1259
T2 (110)	17/07/30	15:41:23	15:53:35	00:06:23	-----	229-	57-	69-	16256
A5 (09)	17/07/30	15:45:09	15:48:07	00:05:02	-----	246-	6-	215-	2648
B2 (14)	17/07/30	15:50:10	16:02:51	00:12:40	00:02:03	285-	42-	138-	99101
S2 (113)	17/07/30	15:54:55	16:06:23	00:03:32	-----	286-	33-	149-	16380
B1 (13)	17/07/30	16:06:21	16:18:47	00:12:23	-----	283-	36-	144-	99014
T4 (114)	17/07/30	16:14:58	16:27:21	00:08:34	-----	242-	81-	69-	16259
S3 (112)	17/07/30	16:21:27	16:32:06	00:04:44	-----	281-	23-	161-	16375
B6 (18)	17/07/30	16:21:38	16:33:22	00:01:16	-----	280-	27-	155-	99102
T3 (105)	17/07/30	16:23:22	16:35:09	00:01:47	-----	208-	33-	73-	15421
C3 (23)	17/07/30	16:28:51	16:42:07	00:06:57	-----	244-	75-	74-	98458
B7 (19)	17/07/30	16:36:24	16:47:37	00:05:29	-----	278-	22-	162-	99102
C1 (21)	17/07/30	16:41:28	16:54:46	00:07:09	-----	248-	83-	74-	98416
S4 (119)	17/07/30	16:47:46	16:57:10	00:02:23	-----	275-	16-	175-	16292
T1 (118)	17/07/30	16:50:22	17:02:46	00:05:36	-----	255-	76-	69-	16173
B8 (20)	17/07/30	16:53:13	17:03:38	00:00:52	-----	274-	18-	169-	99113
C7 (27)	17/07/30	17:05:28	17:18:47	00:13:18	00:01:49	255-	87-	76-	98455
B4 (16)	17/07/30	17:06:38	17:16:42	00:02:04	-----	273-	17-	173-	99102
S1 (116)	17/07/30	17:14:31	17:21:36	00:04:53	-----	264-	10-	195-	16293
G2 (04)	17/07/30	17:15:24	17:27:45	00:06:09	-----	24-	77-	213-	1260
B3 (15)	17/07/30	17:20:52	17:30:02	00:02:16	-----	269-	14-	181-	99102
T2 (110)	17/07/30	17:25:09	17:37:29	00:07:27	-----	265-	62-	72-	16257
B2 (14)	17/07/30	17:37:19	17:44:59	00:07:29	-----	262-	10-	192-	99102
B1 (13)	17/07/30	17:54:10	18:00:01	00:05:51	00:09:11	254-	8-	204-	99015
T4 (114)	17/07/30	17:59:02	18:11:19	00:11:17	-----	274-	56-	76-	16260
T3 (105)	17/07/30	18:07:10	18:20:01	00:08:41	-----	250-	83-	69-	15422
C3 (23)	17/07/30	18:14:36	18:27:54	00:07:53	-----	272-	72-	85-	98459
C1 (21)	17/07/30	18:27:17	18:40:35	00:12:40	-----	275-	72-	87-	98417
T1 (118)	17/07/30	18:34:36	18:46:52	00:06:17	-----	281-	54-	83-	16174
C7 (27)	17/07/30	18:51:21	19:04:38	00:13:17	00:04:28	278-	73-	92-	98456
G2 (04)	17/07/30	18:54:51	19:03:46	00:00:05	-----	4-	15-	270-	1261
T2 (110)	17/07/30	19:09:23	19:21:42	00:12:18	00:05:37	286-	58-	91-	16258
K6 (106)	17/07/30	19:36:54	19:44:07	00:07:13	00:15:11	167-	10-	96-	16185
T4 (114)	17/07/30	19:43:12	19:55:34	00:11:26	-----	290-	68-	100-	16261
T3 (105)	17/07/30	19:52:13	20:04:55	00:09:21	-----	279-	55-	81-	15423
C3 (23)	17/07/30	20:00:26	20:13:45	00:08:49	-----	285-	85-	111-	98460
K3 (103)	17/07/30	20:02:16	20:11:35	00:02:01	-----	184-	16-	84-	15287
C1 (21)	17/07/30	20:13:04	20:26:21	00:13:16	00:01:29	286-	77-	115-	98418
T1 (118)	17/07/30	20:18:37	20:31:02	00:04:41	-----	291-	88-	112-	16175
K9 (109)	17/07/30	20:28:21	20:39:07	00:08:04	-----	197-	25-	76-	15287
C7 (27)	17/07/30	20:37:06	20:50:16	00:11:09	-----	286-	65-	122-	98457
K4 (104)	17/07/30	20:48:01	20:58:55	00:08:39	-----	201-	27-	75-	15459
K7 (107)	17/07/30	20:52:52	21:04:20	00:05:24	-----	210-	34-	73-	15287
T2 (110)	17/07/30	20:53:18	21:05:37	00:01:16	-----	291-	68-	125-	16259
K6 (106)	17/07/30	21:17:23	21:29:22	00:11:58	00:11:46	222-	46-	71-	16186
T4 (114)	17/07/30	21:27:06	21:39:04	00:09:42	-----	289-	46-	138-	16262

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
T3 (105)	17/07/30	21:37:08	21:50:00	00:10:55	-----	291-	81-	109-	15424
K3 (103)	17/07/30	21:43:53	21:56:08	00:06:07	-----	232-	63-	69-	15288
C3 (23)	17/07/30	21:46:16	21:58:26	00:02:18	-----	282-	32-	149-	98461
C1 (21)	17/07/30	21:59:00	22:10:44	00:11:43	00:00:33	280-	27-	155-	98419
T1 (118)	17/07/30	22:02:40	22:13:51	00:03:06	-----	284-	29-	154-	16176
K9 (109)	17/07/30	22:10:52	22:23:15	00:09:24	-----	244-	84-	69-	15288
C7 (27)	17/07/30	22:23:14	22:34:07	00:10:52	-----	276-	21-	165-	98458
K4 (104)	17/07/30	22:30:47	22:43:06	00:08:58	-----	246-	89-	69-	15460
K7 (107)	17/07/30	22:35:55	22:48:19	00:05:12	-----	252-	80-	69-	15288
T2 (110)	17/07/30	22:37:43	22:47:31	00:00:04	-----	277-	18-	172-	16260
K6 (106)	17/07/30	23:00:54	23:13:16	00:12:21	00:13:22	260-	68-	70-	16187
T4 (114)	17/07/30	23:12:20	23:19:35	00:06:18	-----	265-	10-	194-	16263
T3 (105)	17/07/30	23:21:58	23:33:54	00:11:56	00:02:22	286-	34-	148-	15425
K3 (103)	17/07/30	23:27:43	23:40:02	00:06:07	-----	267-	60-	73-	15289
C3 (23)	17/07/30	23:35:00	23:38:35	00:01:02	-----	243-	6-	219-	98462
K9 (109)	17/07/30	23:54:58	00:07:13	00:12:15	00:16:22	275-	55-	77-	15289
K4 (104)	17/07/31	00:15:01	00:27:12	00:12:10	00:07:47	276-	54-	78-	15461
K7 (107)	17/07/31	00:20:08	00:32:22	00:05:10	-----	280-	54-	81-	15289
D4 (32)	17/07/31	00:34:19	00:40:27	00:06:08	00:01:56	161-	8-	106-	92189
K6 (106)	17/07/31	00:45:09	00:57:25	00:12:15	00:04:41	284-	56-	87-	16188
T3 (105)	17/07/31	01:09:34	01:13:15	00:03:40	00:12:09	247-	6-	219-	15426
K3 (103)	17/07/31	01:11:57	01:24:15	00:11:00	-----	287-	60-	93-	15290
D7 (35)	17/07/31	01:16:59	01:24:06	00:00:09	-----	166-	9-	100-	92190
G2 (04)	17/07/31	01:18:25	01:28:45	00:04:38	-----	101-	20-	353-	1265
D8 (36)	17/07/31	01:36:12	01:45:47	00:09:34	00:07:27	183-	15-	87-	92146
K9 (109)	17/07/31	01:39:06	01:51:28	00:05:41	-----	290-	70-	102-	15290
D3 (31)	17/07/31	01:56:56	02:08:49	00:11:53	00:05:27	207-	29-	77-	92103
K4 (104)	17/07/31	01:59:13	02:11:33	00:02:44	-----	290-	73-	104-	15462
K7 (107)	17/07/31	02:04:10	02:16:34	00:05:01	-----	291-	82-	109-	15290
D4 (32)	17/07/31	02:15:43	02:28:11	00:11:36	-----	216-	37-	76-	92190
D2 (30)	17/07/31	02:16:57	02:28:53	00:00:42	-----	206-	30-	77-	92191
K6 (106)	17/07/31	02:29:07	02:41:29	00:12:22	00:00:13	291-	81-	118-	16189
D6 (34)	17/07/31	02:40:49	02:53:02	00:11:33	-----	211-	33-	76-	92194
G2 (04)	17/07/31	02:55:05	03:07:56	00:12:51	00:02:02	156-	79-	332-	1266
K3 (103)	17/07/31	02:55:51	03:08:06	00:00:09	-----	291-	63-	128-	15291
D7 (35)	17/07/31	02:58:51	03:11:26	00:03:20	-----	219-	40-	75-	92191
D8 (36)	17/07/31	03:19:19	03:32:18	00:12:58	00:07:52	230-	53-	74-	92147
K9 (109)	17/07/31	03:23:01	03:34:54	00:02:36	-----	288-	44-	140-	15291
D3 (31)	17/07/31	03:41:26	03:54:42	00:13:15	00:06:32	247-	80-	74-	92104
K4 (104)	17/07/31	03:43:13	03:54:59	00:00:16	-----	288-	40-	143-	15463
K7 (107)	17/07/31	03:48:10	03:59:34	00:04:35	-----	286-	32-	150-	15291
D4 (32)	17/07/31	04:00:42	04:14:00	00:13:17	00:01:07	253-	89-	75-	92191
D2 (30)	17/07/31	04:01:30	04:14:46	00:00:46	-----	248-	82-	74-	92192
K6 (106)	17/07/31	04:13:18	04:23:54	00:09:07	-----	281-	23-	162-	16190
D6 (34)	17/07/31	04:25:35	04:38:52	00:13:16	00:01:41	251-	87-	75-	92195
G2 (04)	17/07/31	04:36:40	04:44:37	00:05:45	-----	221-	11-	300-	1267
K3 (103)	17/07/31	04:40:24	04:49:41	00:05:03	-----	275-	16-	176-	15292
D7 (35)	17/07/31	04:43:53	04:57:11	00:07:30	-----	256-	86-	76-	92192
D8 (36)	17/07/31	05:04:44	05:18:02	00:13:18	00:07:32	263-	77-	79-	92148
K9 (109)	17/07/31	05:08:27	05:15:08	00:02:05	-----	262-	9-	198-	15292

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A1 (05)	17/07/31	05:24:02	05:29:52	00:05:49	00:08:53	160-	8-	107-	2565
D3 (31)	17/07/31	05:27:15	05:40:30	00:10:38	-----	274-	71-	86-	92105
K4 (104)	17/07/31	05:29:05	05:34:51	00:05:03	-----	257-	8-	205-	15464
A3 (07)	17/07/31	05:38:56	05:46:47	00:07:50	00:04:04	171-	11-	96-	2657
D4 (32)	17/07/31	05:46:36	05:59:52	00:13:05	-----	278-	73-	91-	92192
D2 (30)	17/07/31	05:47:19	06:00:34	00:00:41	-----	275-	71-	87-	92193
A4 (08)	17/07/31	05:53:05	06:02:31	00:01:57	-----	183-	15-	88-	2657
A8 (12)	17/07/31	06:03:55	06:13:57	00:10:02	00:01:23	188-	17-	85-	2638
D6 (34)	17/07/31	06:11:26	06:24:42	00:10:44	-----	276-	72-	89-	92196
A5 (09)	17/07/31	06:16:31	06:27:06	00:02:24	-----	194-	20-	82-	2657
A7 (11)	17/07/31	06:28:06	06:39:16	00:11:09	00:01:00	201-	24-	80-	2657
D7 (35)	17/07/31	06:29:46	06:43:03	00:03:46	-----	279-	73-	92-	92193
A6 (10)	17/07/31	06:41:22	06:52:54	00:09:51	-----	205-	27-	78-	20159
D8 (36)	17/07/31	06:50:37	07:03:55	00:11:01	-----	282-	79-	99-	92149
A2 (06)	17/07/31	06:57:01	07:09:03	00:05:07	-----	213-	33-	76-	2657
A1 (05)	17/07/31	07:04:54	07:17:07	00:08:04	-----	216-	36-	76-	2566
D3 (31)	17/07/31	07:13:03	07:26:17	00:09:10	-----	286-	80-	113-	92106
S4 (119)	17/07/31	07:14:55	07:20:52	00:05:02	-----	160-	8-	103-	16301
A3 (07)	17/07/31	07:20:49	07:33:19	00:12:27	-----	223-	43-	75-	2658
D4 (32)	17/07/31	07:32:24	07:45:34	00:12:15	-----	286-	68-	120-	92193
D2 (30)	17/07/31	07:33:07	07:46:21	00:00:46	-----	286-	78-	114-	92194
B8 (20)	17/07/31	07:34:15	07:40:29	00:05:05	-----	162-	8-	105-	99122
A4 (08)	17/07/31	07:35:48	07:48:33	00:08:04	-----	230-	53-	74-	2658
S1 (116)	17/07/31	07:39:03	07:47:51	00:00:04	-----	179-	14-	86-	16302
B4 (16)	17/07/31	07:46:58	07:54:09	00:06:17	-----	166-	10-	100-	99111
A8 (12)	17/07/31	07:46:58	07:59:48	00:05:38	-----	234-	58-	74-	2639
D6 (34)	17/07/31	07:57:12	08:10:25	00:10:37	-----	286-	73-	118-	92197
A5 (09)	17/07/31	07:59:54	08:12:47	00:02:21	-----	238-	64-	74-	2658
B3 (15)	17/07/31	08:00:05	08:08:35	00:04:01	-----	175-	12-	92-	99111
S2 (113)	17/07/31	08:03:39	08:13:55	00:05:20	-----	193-	21-	79-	16390
A7 (11)	17/07/31	08:11:50	08:24:48	00:10:52	-----	242-	72-	74-	2658
B2 (14)	17/07/31	08:15:10	08:24:56	00:00:07	-----	184-	16-	86-	99111
D7 (35)	17/07/31	08:15:31	08:28:39	00:03:43	-----	286-	64-	123-	92194
A6 (10)	17/07/31	08:25:21	08:38:21	00:09:41	-----	246-	78-	74-	20160
S3 (112)	17/07/31	08:29:17	08:40:30	00:02:08	-----	204-	29-	74-	16385
B1 (13)	17/07/31	08:30:44	08:41:19	00:00:49	-----	192-	19-	83-	99024
D8 (36)	17/07/31	08:36:21	08:49:15	00:07:56	-----	286-	49-	132-	92150
A2 (06)	17/07/31	08:41:21	08:54:24	00:05:08	-----	251-	87-	75-	2658
B6 (18)	17/07/31	08:45:05	08:56:45	00:02:20	-----	204-	26-	78-	99112
A1 (05)	17/07/31	08:49:22	09:02:26	00:05:40	-----	253-	89-	75-	2567
S4 (119)	17/07/31	08:54:45	09:06:34	00:04:08	-----	218-	41-	72-	16302
D3 (31)	17/07/31	08:58:56	09:10:49	00:04:14	-----	281-	28-	153-	92107
B7 (19)	17/07/31	08:59:24	09:11:28	00:00:39	-----	208-	31-	77-	99112
A3 (07)	17/07/31	09:05:32	09:18:35	00:07:07	-----	258-	83-	77-	2659
B8 (20)	17/07/31	09:15:40	09:28:08	00:09:32	-----	217-	37-	76-	99123
D4 (32)	17/07/31	09:18:32	09:29:35	00:01:27	-----	277-	22-	163-	92194
D2 (30)	17/07/31	09:19:01	09:30:48	00:01:12	-----	281-	27-	154-	92195
S1 (116)	17/07/31	09:20:22	09:32:35	00:01:46	-----	229-	57-	70-	16303
A4 (08)	17/07/31	09:20:46	09:33:48	00:01:13	-----	263-	77-	79-	2659
B4 (16)	17/07/31	09:28:52	09:41:28	00:07:39	-----	220-	40-	75-	99112

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A8 (12)	17/07/31	09:32:02	09:45:03	00:03:35	-----	266-	75-	80-	2640
B3 (15)	17/07/31	09:42:39	09:55:27	00:10:23	-----	225-	46-	74-	99112
D6 (34)	17/07/31	09:43:12	09:54:37	00:00:04	-----	279-	24-	159-	92198
A5 (09)	17/07/31	09:45:03	09:58:03	00:03:26	-----	268-	73-	81-	2659
S2 (113)	17/07/31	09:45:50	09:58:12	00:00:08	-----	239-	75-	69-	16391
A7 (11)	17/07/31	09:57:06	10:10:06	00:11:53	-----	271-	71-	84-	2659
B2 (14)	17/07/31	09:58:23	10:11:23	00:01:17	-----	231-	54-	74-	99112
D7 (35)	17/07/31	10:01:42	10:12:26	00:01:02	-----	276-	20-	167-	92195
A6 (10)	17/07/31	10:10:40	10:23:40	00:11:14	-----	273-	71-	86-	20161
S3 (112)	17/07/31	10:12:06	10:24:32	00:00:52	-----	248-	87-	69-	16386
B1 (13)	17/07/31	10:14:25	10:27:33	00:03:00	-----	236-	62-	74-	99025
D8 (36)	17/07/31	10:23:01	10:32:08	00:04:35	-----	269-	14-	181-	92151
A2 (06)	17/07/31	10:26:44	10:39:46	00:07:38	-----	277-	71-	89-	2659
B6 (18)	17/07/31	10:29:26	10:42:42	00:02:55	-----	245-	77-	74-	99113
A1 (05)	17/07/31	10:34:46	10:47:48	00:05:06	-----	278-	72-	91-	2568
S4 (119)	17/07/31	10:38:05	10:50:30	00:02:41	-----	256-	73-	70-	16303
B7 (19)	17/07/31	10:44:02	10:57:19	00:06:49	-----	249-	84-	75-	99113
A3 (07)	17/07/31	10:50:58	11:04:00	00:06:40	-----	280-	75-	94-	2660
B8 (20)	17/07/31	11:00:36	11:13:54	00:09:54	-----	254-	89-	75-	99124
S1 (116)	17/07/31	11:04:07	11:16:28	00:02:34	-----	265-	62-	72-	16304
A4 (08)	17/07/31	11:06:11	11:19:13	00:02:44	-----	282-	79-	99-	2660
B4 (16)	17/07/31	11:13:55	11:27:13	00:08:00	-----	256-	86-	76-	99113
A8 (12)	17/07/31	11:17:26	11:30:28	00:03:14	-----	283-	82-	102-	2641
B3 (15)	17/07/31	11:27:53	11:41:11	00:10:43	-----	259-	81-	77-	99113
S2 (113)	17/07/31	11:29:51	11:42:08	00:00:57	-----	272-	57-	75-	16392
A5 (09)	17/07/31	11:30:27	11:43:27	00:01:18	-----	284-	87-	105-	2660
A7 (11)	17/07/31	11:42:28	11:55:28	00:12:00	-----	285-	87-	109-	2660
B2 (14)	17/07/31	11:43:49	11:57:07	00:01:39	-----	264-	77-	79-	99113
A6 (10)	17/07/31	11:56:00	12:09:00	00:11:52	-----	286-	82-	112-	20162
S3 (112)	17/07/31	11:56:17	12:08:33	00:00:02	-----	278-	54-	79-	16387
B1 (13)	17/07/31	12:00:00	12:13:18	00:04:44	-----	267-	74-	81-	99026
A2 (06)	17/07/31	12:12:03	12:25:01	00:11:43	-----	286-	72-	118-	2660
B6 (18)	17/07/31	12:15:12	12:28:29	00:03:28	-----	273-	72-	85-	99114
A1 (05)	17/07/31	12:20:04	12:33:00	00:04:30	-----	286-	68-	120-	2569
S4 (119)	17/07/31	12:22:20	12:34:36	00:01:36	-----	282-	55-	84-	16304
B7 (19)	17/07/31	12:29:51	12:43:08	00:08:31	-----	275-	72-	88-	99114
A3 (07)	17/07/31	12:36:14	12:49:03	00:05:55	-----	286-	59-	126-	2661
B8 (20)	17/07/31	12:46:28	12:59:45	00:10:41	-----	278-	73-	91-	99125
S1 (116)	17/07/31	12:48:22	13:00:41	00:00:55	-----	286-	58-	91-	16305
A4 (08)	17/07/31	12:51:27	13:04:04	00:03:22	-----	285-	49-	133-	2661
B4 (16)	17/07/31	12:59:47	13:13:05	00:09:01	-----	279-	74-	93-	99114
A8 (12)	17/07/31	13:02:43	13:15:11	00:02:06	-----	285-	43-	137-	2642
T2 (110)	17/07/31	13:05:35	13:10:29	00:04:04	-----	151-	7-	104-	16269
B3 (15)	17/07/31	13:13:46	13:27:04	00:13:18	00:03:16	281-	76-	96-	99114
S2 (113)	17/07/31	13:14:01	13:26:23	00:00:04	-----	289-	65-	98-	16393
A5 (09)	17/07/31	13:15:45	13:28:01	00:01:37	-----	284-	39-	141-	2661
A7 (11)	17/07/31	13:27:49	13:39:48	00:11:46	-----	283-	33-	147-	2661
B2 (14)	17/07/31	13:29:42	13:43:01	00:03:12	-----	283-	80-	100-	99114
T4 (114)	17/07/31	13:37:00	13:45:41	00:02:40	-----	178-	14-	87-	16272
S3 (112)	17/07/31	13:40:22	13:52:47	00:07:05	-----	291-	76-	106-	16388

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A6 (10)	17/07/31	13:41:25	13:53:09	00:00:21	-----	281-	29-	152-	20163
B1 (13)	17/07/31	13:45:51	13:59:11	00:06:02	-----	284-	85-	104-	99027
A2 (06)	17/07/31	13:57:35	14:08:45	00:09:34	-----	279-	24-	159-	2661
B6 (18)	17/07/31	14:01:00	14:14:19	00:05:33	-----	286-	83-	111-	99115
A1 (05)	17/07/31	14:05:41	14:16:33	00:02:14	-----	277-	22-	163-	2570
S4 (119)	17/07/31	14:06:20	14:18:45	00:02:11	-----	291-	88-	114-	16305
C3 (23)	17/07/31	14:10:19	14:21:26	00:02:41	-----	197-	22-	81-	98471
T1 (118)	17/07/31	14:11:01	14:21:43	00:00:16	-----	199-	24-	77-	16186
B7 (19)	17/07/31	14:15:38	14:28:54	00:07:11	-----	286-	76-	116-	99115
A3 (07)	17/07/31	14:22:05	14:32:06	00:03:12	-----	274-	17-	171-	2662
C1 (21)	17/07/31	14:22:27	14:34:07	00:02:00	-----	204-	26-	78-	98429
B8 (20)	17/07/31	14:32:13	14:45:24	00:11:16	-----	286-	67-	121-	99126
S1 (116)	17/07/31	14:32:17	14:44:36	00:00:04	-----	291-	68-	125-	16306
A4 (08)	17/07/31	14:37:42	14:46:26	00:01:49	-----	268-	13-	183-	2662
T2 (110)	17/07/31	14:44:55	14:56:37	00:10:10	-----	215-	38-	72-	16270
B4 (16)	17/07/31	14:45:32	14:58:41	00:02:04	-----	286-	63-	123-	99115
C7 (27)	17/07/31	14:46:01	14:58:17	00:00:02	-----	213-	34-	76-	98468
A8 (12)	17/07/31	14:49:16	14:57:06	00:01:01	-----	264-	11-	190-	2643
S2 (113)	17/07/31	14:57:55	15:10:01	00:12:05	00:00:49	290-	51-	134-	16394
B3 (15)	17/07/31	14:59:29	15:12:33	00:02:31	-----	286-	56-	128-	99115
A5 (09)	17/07/31	15:02:43	15:09:19	00:03:01	-----	258-	9-	199-	2662
G2 (04)	17/07/31	15:11:55	15:15:41	00:03:46	00:02:35	78-	6-	114-	1273
B2 (14)	17/07/31	15:15:26	15:28:18	00:12:36	-----	285-	48-	134-	99115
A7 (11)	17/07/31	15:15:39	15:20:02	00:08:01	-----	247-	7-	213-	2662
T4 (114)	17/07/31	15:18:16	15:30:27	00:10:24	-----	229-	56-	70-	16273
S3 (112)	17/07/31	15:24:19	15:36:00	00:05:32	-----	287-	37-	145-	16389
B1 (13)	17/07/31	15:31:36	15:44:16	00:08:16	-----	284-	41-	139-	99028
T3 (105)	17/07/31	15:38:28	15:49:31	00:05:14	-----	196-	24-	77-	15435
B6 (18)	17/07/31	15:46:51	15:58:57	00:09:25	-----	282-	31-	150-	99116
S4 (119)	17/07/31	15:50:25	16:01:25	00:02:28	-----	283-	27-	157-	16306
T1 (118)	17/07/31	15:53:29	16:05:52	00:04:27	-----	243-	83-	69-	16187
C3 (23)	17/07/31	15:54:19	16:07:31	00:01:38	-----	240-	68-	74-	98472
B7 (19)	17/07/31	16:01:34	16:13:14	00:05:42	-----	280-	26-	156-	99116
C1 (21)	17/07/31	16:06:48	16:20:04	00:06:50	-----	245-	76-	74-	98430
S1 (116)	17/07/31	16:16:42	16:26:29	00:06:25	-----	277-	18-	172-	16307
B8 (20)	17/07/31	16:18:19	16:29:21	00:02:51	-----	277-	22-	163-	99127
T2 (110)	17/07/31	16:28:09	16:40:33	00:11:12	-----	255-	76-	69-	16271
C7 (27)	17/07/31	16:30:48	16:44:06	00:03:32	-----	251-	87-	75-	98469
B4 (16)	17/07/31	16:31:43	16:42:26	00:01:04	-----	276-	20-	166-	99116
S2 (113)	17/07/31	16:42:54	16:50:55	00:08:01	00:00:28	269-	12-	188-	16395
B3 (15)	17/07/31	16:45:52	16:55:54	00:04:59	-----	273-	17-	174-	99116
G2 (04)	17/07/31	16:47:03	16:59:17	00:03:22	-----	32-	57-	195-	1274
T4 (114)	17/07/31	17:02:00	17:14:20	00:12:20	00:02:43	264-	63-	72-	16274
B2 (14)	17/07/31	17:02:11	17:11:00	00:03:02	-----	268-	13-	183-	99116
S3 (112)	17/07/31	17:10:31	17:15:15	00:04:15	-----	253-	7-	211-	16390
B1 (13)	17/07/31	17:18:48	17:26:18	00:07:29	00:03:33	262-	10-	194-	99029
T3 (105)	17/07/31	17:21:43	17:34:32	00:08:13	-----	242-	82-	69-	15436
B6 (18)	17/07/31	17:36:08	17:38:33	00:02:25	00:01:35	245-	5-	218-	99117
T1 (118)	17/07/31	17:37:34	17:49:51	00:11:17	-----	274-	55-	77-	16188
C3 (23)	17/07/31	17:40:00	17:53:18	00:03:27	-----	270-	73-	83-	98473

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
C1 (21)	17/07/31	17:52:34	18:05:51	00:12:33	-----	273-	72-	85-	98431
T2 (110)	17/07/31	18:12:23	18:24:39	00:12:15	00:06:31	281-	54-	83-	16272
C7 (27)	17/07/31	18:16:39	18:29:56	00:05:17	-----	276-	72-	89-	98470
G2 (04)	17/07/31	18:25:58	18:36:38	00:06:42	-----	11-	24-	250-	1275
T4 (114)	17/07/31	18:46:14	18:58:32	00:12:17	00:09:35	286-	58-	91-	16275
T3 (105)	17/07/31	19:06:39	19:19:22	00:12:43	00:08:06	274-	57-	77-	15437
K3 (103)	17/07/31	19:07:25	19:13:32	00:05:05	-----	161-	9-	102-	15301
T1 (118)	17/07/31	19:21:43	19:34:06	00:12:23	00:08:11	290-	69-	101-	16189
C3 (23)	17/07/31	19:25:50	19:39:10	00:05:04	-----	285-	90-	107-	98474
K9 (109)	17/07/31	19:32:42	19:41:43	00:02:32	-----	181-	15-	85-	15301
C1 (21)	17/07/31	19:38:23	19:51:41	00:09:57	-----	286-	83-	111-	98432
K4 (104)	17/07/31	19:53:33	20:03:00	00:09:26	00:01:52	186-	17-	83-	15473
T2 (110)	17/07/31	19:56:24	20:08:49	00:05:49	-----	291-	88-	112-	16273
K7 (107)	17/07/31	19:56:49	20:07:10	00:01:03	-----	194-	21-	79-	15301
C7 (27)	17/07/31	20:02:25	20:15:39	00:08:29	-----	286-	72-	118-	98471
K6 (106)	17/07/31	20:21:06	20:32:19	00:11:12	00:05:27	205-	30-	74-	16200
T4 (114)	17/07/31	20:30:10	20:42:28	00:10:09	-----	291-	69-	124-	16276
K3 (103)	17/07/31	20:47:21	20:59:10	00:11:49	00:04:52	218-	41-	72-	15302
T3 (105)	17/07/31	20:51:39	21:04:29	00:05:18	-----	290-	70-	101-	15438
T1 (118)	17/07/31	21:05:37	21:17:34	00:11:57	00:01:07	289-	45-	139-	16190
C3 (23)	17/07/31	21:11:38	21:24:05	00:06:31	-----	284-	36-	144-	98475
K9 (109)	17/07/31	21:14:09	21:26:22	00:02:16	-----	231-	59-	69-	15302
C1 (21)	17/07/31	21:24:13	21:36:19	00:09:57	-----	282-	31-	150-	98433
K4 (104)	17/07/31	21:35:23	21:47:35	00:11:15	-----	234-	65-	69-	15474
K7 (107)	17/07/31	21:39:03	21:51:25	00:03:50	-----	240-	77-	69-	15302
T2 (110)	17/07/31	21:40:26	21:51:38	00:00:12	-----	284-	29-	154-	16274
C7 (27)	17/07/31	21:48:25	21:59:50	00:08:11	-----	279-	24-	159-	98472
K6 (106)	17/07/31	22:03:57	22:16:21	00:12:24	00:04:07	248-	86-	69-	16201
T4 (114)	17/07/31	22:14:33	22:24:24	00:08:02	-----	277-	18-	171-	16277
K3 (103)	17/07/31	22:30:42	22:43:05	00:12:23	00:06:18	257-	72-	70-	15303
T3 (105)	17/07/31	22:36:25	22:48:48	00:05:43	-----	289-	46-	139-	15439
T1 (118)	17/07/31	22:50:57	22:57:56	00:06:58	00:02:08	264-	10-	196-	16191
K9 (109)	17/07/31	22:57:56	23:10:15	00:12:19	-----	266-	61-	72-	15303
C3 (23)	17/07/31	22:59:23	23:05:26	00:04:04	-----	255-	8-	203-	98476
C1 (21)	17/07/31	23:13:24	23:16:01	00:02:37	00:07:58	245-	6-	218-	98434
K4 (104)	17/07/31	23:19:22	23:31:35	00:12:13	00:03:20	268-	59-	73-	15475
K7 (107)	17/07/31	23:23:05	23:35:21	00:03:46	-----	272-	56-	75-	15303
K6 (106)	17/07/31	23:48:08	00:00:22	00:12:14	00:12:46	278-	54-	79-	16202
K3 (103)	17/08/01	00:14:57	00:27:12	00:12:15	00:14:34	282-	55-	85-	15304
T3 (105)	17/08/01	00:22:33	00:30:01	00:02:49	-----	265-	10-	194-	15440
K9 (109)	17/08/01	00:42:10	00:54:28	00:12:17	00:12:09	287-	59-	92-	15304
D7 (35)	17/08/01	00:43:25	00:48:43	00:05:04	-----	154-	7-	106-	92204
G2 (04)	17/08/01	00:51:32	00:59:45	00:08:12	00:02:48	81-	12-	1-	1279
D8 (36)	17/08/01	01:02:11	01:10:49	00:08:37	00:02:26	175-	12-	92-	92160
K4 (104)	17/08/01	01:03:39	01:15:55	00:05:05	-----	288-	61-	94-	15476
K7 (107)	17/08/01	01:07:15	01:19:36	00:03:41	-----	289-	66-	99-	15304
D3 (31)	17/08/01	01:22:36	01:34:05	00:11:28	00:02:59	202-	25-	79-	92117
K6 (106)	17/08/01	01:32:13	01:44:36	00:10:31	-----	291-	77-	106-	16203
D4 (32)	17/08/01	01:41:50	01:54:01	00:09:24	-----	211-	32-	76-	92204
D2 (30)	17/08/01	01:42:35	01:54:10	00:00:09	-----	203-	26-	79-	92205

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
K3 (103)	17/08/01	01:58:56	02:11:20	00:12:23	00:04:46	291-	88-	115-	15305
D6 (34)	17/08/01	02:06:28	02:18:21	00:07:00	-----	206-	29-	77-	92208
D7 (35)	17/08/01	02:24:24	02:36:45	00:12:20	00:06:03	214-	35-	76-	92205
K9 (109)	17/08/01	02:26:05	02:38:22	00:01:37	-----	291-	66-	126-	15305
G2 (04)	17/08/01	02:26:51	02:39:28	00:01:06	-----	138-	58-	339-	1280
D8 (36)	17/08/01	02:44:49	02:57:38	00:12:49	00:05:20	225-	47-	74-	92161
K4 (104)	17/08/01	02:47:38	02:59:50	00:02:11	-----	290-	60-	129-	15477
K7 (107)	17/08/01	02:51:09	03:03:12	00:03:22	-----	289-	50-	135-	15305
D3 (31)	17/08/01	03:06:50	03:20:04	00:13:13	00:03:37	243-	74-	74-	92118
K6 (106)	17/08/01	03:16:09	03:27:48	00:07:43	-----	287-	37-	146-	16204
D4 (32)	17/08/01	03:26:36	03:39:53	00:12:05	-----	250-	85-	75-	92205
D2 (30)	17/08/01	03:26:54	03:40:07	00:00:14	-----	244-	75-	74-	92206
K3 (103)	17/08/01	03:43:02	03:54:00	00:10:57	00:02:54	283-	26-	158-	15306
D6 (34)	17/08/01	03:50:58	04:04:14	00:10:14	-----	247-	81-	74-	92209
G2 (04)	17/08/01	04:06:24	04:17:23	00:10:58	00:02:10	195-	22-	314-	1281
D7 (35)	17/08/01	04:09:15	04:22:32	00:05:09	-----	252-	89-	75-	92206
K9 (109)	17/08/01	04:10:33	04:20:06	00:02:02	-----	276-	17-	174-	15306
D8 (36)	17/08/01	04:30:04	04:43:23	00:13:18	00:09:57	260-	81-	77-	92162
K4 (104)	17/08/01	04:32:21	04:41:24	00:01:05	-----	273-	15-	179-	15478
K7 (107)	17/08/01	04:36:11	04:44:01	00:02:36	-----	268-	12-	190-	15306
D3 (31)	17/08/01	04:52:34	05:05:50	00:13:15	00:08:33	272-	72-	84-	92119
A3 (07)	17/08/01	04:59:33	05:05:00	00:00:05	-----	159-	8-	109-	2671
K6 (106)	17/08/01	05:02:25	05:06:58	00:01:58	-----	251-	7-	213-	16205
D4 (32)	17/08/01	05:12:29	05:25:45	00:13:16	00:05:30	276-	72-	88-	92206
D2 (30)	17/08/01	05:12:39	05:25:54	00:00:09	-----	272-	71-	85-	92207
A4 (08)	17/08/01	05:13:10	05:21:08	00:04:04	-----	172-	11-	95-	2671
A8 (12)	17/08/01	05:23:52	05:32:41	00:08:49	00:02:43	178-	13-	90-	2652
A5 (09)	17/08/01	05:36:21	05:45:55	00:09:34	00:03:40	184-	15-	87-	2671
D6 (34)	17/08/01	05:36:47	05:50:02	00:04:07	-----	274-	71-	86-	92210
A7 (11)	17/08/01	05:47:49	05:58:11	00:08:08	-----	192-	19-	83-	2671
D7 (35)	17/08/01	05:55:06	06:08:22	00:10:11	-----	277-	72-	90-	92207
A6 (10)	17/08/01	06:01:00	06:11:52	00:03:29	-----	197-	22-	81-	20173
D8 (36)	17/08/01	06:15:57	06:29:16	00:13:18	00:04:05	281-	76-	96-	92163
A2 (06)	17/08/01	06:16:33	06:28:04	00:01:01	-----	205-	27-	78-	2671
A1 (05)	17/08/01	06:24:24	06:36:08	00:08:03	-----	206-	29-	77-	2580
D3 (31)	17/08/01	06:38:24	06:51:40	00:13:16	00:02:16	285-	86-	110-	92120
A3 (07)	17/08/01	06:40:14	06:52:23	00:00:43	-----	215-	35-	76-	2672
S1 (116)	17/08/01	06:44:35	06:49:29	00:02:05	-----	151-	7-	104-	16316
A4 (08)	17/08/01	06:55:06	07:07:38	00:12:31	00:05:37	223-	44-	75-	2672
D4 (32)	17/08/01	06:58:18	07:11:31	00:03:53	-----	286-	74-	117-	92207
D2 (30)	17/08/01	06:58:28	07:11:44	00:00:12	-----	285-	85-	110-	92208
A8 (12)	17/08/01	07:06:15	07:18:54	00:07:09	-----	227-	49-	74-	2653
S2 (113)	17/08/01	07:08:16	07:16:19	00:02:03	-----	173-	12-	91-	16404
B4 (16)	17/08/01	07:13:19	07:18:43	00:02:23	-----	154-	7-	105-	99125
A5 (09)	17/08/01	07:19:09	07:31:54	00:12:45	00:00:25	231-	54-	74-	2672
D6 (34)	17/08/01	07:22:35	07:35:50	00:03:56	-----	286-	80-	114-	92211
B3 (15)	17/08/01	07:26:11	07:33:24	00:02:02	-----	167-	10-	100-	99125
A7 (11)	17/08/01	07:31:03	07:43:56	00:10:31	-----	236-	62-	74-	2672
S3 (112)	17/08/01	07:33:24	07:43:14	00:00:04	-----	189-	18-	81-	16399
D7 (35)	17/08/01	07:40:52	07:54:04	00:10:50	-----	286-	71-	119-	92208

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
B2 (14)	17/08/01	07:41:03	07:49:55	00:04:08	-----	177-	13-	90-	99125
A6 (10)	17/08/01	07:44:32	07:57:29	00:07:33	-----	240-	68-	74-	20174
B1 (13)	17/08/01	07:56:31	08:06:24	00:08:55	-----	185-	16-	86-	99038
S4 (119)	17/08/01	07:58:35	08:09:29	00:03:05	-----	199-	26-	76-	16316
A2 (06)	17/08/01	08:00:30	08:13:32	00:04:02	-----	245-	78-	74-	2672
D8 (36)	17/08/01	08:01:42	08:14:44	00:01:12	-----	286-	56-	128-	92164
A1 (05)	17/08/01	08:08:30	08:21:33	00:06:48	-----	248-	82-	74-	2581
B6 (18)	17/08/01	08:10:43	08:21:56	00:00:23	-----	198-	23-	80-	99126
S1 (116)	17/08/01	08:23:55	08:35:37	00:11:41	00:01:59	215-	37-	72-	16317
D3 (31)	17/08/01	08:24:14	08:36:25	00:00:47	-----	283-	33-	147-	92121
A3 (07)	17/08/01	08:24:39	08:37:43	00:01:17	-----	253-	90-	75-	2673
B7 (19)	17/08/01	08:24:57	08:36:40	00:01:02	-----	205-	27-	78-	99126
A4 (08)	17/08/01	08:39:50	08:52:54	00:13:03	00:03:09	258-	83-	77-	2673
B8 (20)	17/08/01	08:41:10	08:53:20	00:00:26	-----	211-	32-	76-	99137
D2 (30)	17/08/01	08:44:18	08:56:27	00:03:06	-----	282-	32-	149-	92209
D4 (32)	17/08/01	08:44:19	08:55:50	00:00:03	-----	279-	25-	157-	92208
S2 (113)	17/08/01	08:49:11	09:01:17	00:05:27	-----	225-	51-	70-	16405
A8 (12)	17/08/01	08:51:07	09:04:09	00:02:52	-----	261-	79-	78-	2654
B4 (16)	17/08/01	08:54:21	09:06:42	00:02:32	-----	215-	35-	76-	99126
A5 (09)	17/08/01	09:04:08	09:17:09	00:10:27	-----	264-	76-	79-	2673
B3 (15)	17/08/01	09:08:06	09:20:42	00:03:32	-----	220-	40-	75-	99126
D6 (34)	17/08/01	09:08:28	09:20:20	00:00:02	-----	281-	28-	153-	92212
S3 (112)	17/08/01	09:15:18	09:27:38	00:07:18	-----	236-	69-	69-	16400
A7 (11)	17/08/01	09:16:10	09:29:12	00:01:33	-----	267-	74-	81-	2673
B2 (14)	17/08/01	09:23:48	09:36:40	00:07:28	-----	226-	48-	74-	99126
D7 (35)	17/08/01	09:26:54	09:38:11	00:01:31	-----	278-	23-	161-	92209
A6 (10)	17/08/01	09:29:45	09:42:46	00:04:34	-----	270-	72-	82-	20175
B1 (13)	17/08/01	09:39:48	09:52:49	00:10:03	-----	231-	55-	74-	99039
S4 (119)	17/08/01	09:41:11	09:53:36	00:00:46	-----	245-	87-	69-	16317
A2 (06)	17/08/01	09:45:49	09:58:51	00:05:15	-----	273-	71-	85-	2673
D8 (36)	17/08/01	09:48:06	09:58:05	00:00:04	-----	272-	16-	174-	92165
A1 (05)	17/08/01	09:53:51	10:06:53	00:08:47	-----	275-	71-	87-	2582
B6 (18)	17/08/01	09:54:47	10:08:00	00:01:06	-----	241-	70-	74-	99127
S1 (116)	17/08/01	10:07:08	10:19:33	00:11:34	-----	254-	76-	69-	16318
B7 (19)	17/08/01	10:09:21	10:22:36	00:03:02	-----	245-	77-	74-	99127
A3 (07)	17/08/01	10:10:03	10:23:05	00:00:28	-----	277-	72-	90-	2674
D3 (31)	17/08/01	10:12:40	10:16:55	00:06:01	-----	246-	6-	215-	92122
A4 (08)	17/08/01	10:25:16	10:38:17	00:13:01	00:08:21	280-	75-	94-	2674
B8 (20)	17/08/01	10:25:53	10:39:10	00:00:52	-----	250-	85-	75-	99138
S2 (113)	17/08/01	10:32:48	10:45:11	00:06:00	-----	262-	65-	71-	16406
D2 (30)	17/08/01	10:33:08	10:36:28	00:08:04	-----	247-	6-	215-	92210
A8 (12)	17/08/01	10:36:33	10:49:34	00:13:01	00:00:04	281-	77-	97-	2655
B4 (16)	17/08/01	10:39:12	10:52:30	00:02:55	-----	252-	89-	75-	99127
A5 (09)	17/08/01	10:49:33	11:02:34	00:10:04	-----	283-	80-	100-	2674
B3 (15)	17/08/01	10:53:09	11:06:27	00:03:53	-----	256-	86-	76-	99127
S3 (112)	17/08/01	10:59:14	11:11:33	00:05:05	-----	269-	58-	74-	16401
A7 (11)	17/08/01	11:01:35	11:14:36	00:03:02	-----	284-	85-	103-	2674
B2 (14)	17/08/01	11:09:06	11:22:24	00:07:47	-----	260-	80-	78-	99127
A6 (10)	17/08/01	11:15:08	11:28:09	00:05:45	-----	285-	89-	107-	20176
B1 (13)	17/08/01	11:25:15	11:38:33	00:10:24	-----	264-	76-	79-	99040

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
S4 (119)	17/08/01	11:25:18	11:37:35	00:00:05	-----	275-	55-	78-	16318
A2 (06)	17/08/01	11:31:10	11:44:12	00:06:36	-----	286-	82-	112-	2674
A1 (05)	17/08/01	11:39:11	11:52:11	00:08:00	-----	286-	78-	114-	2583
B6 (18)	17/08/01	11:40:28	11:53:45	00:01:34	-----	270-	72-	83-	99128
S1 (116)	17/08/01	11:51:23	12:03:39	00:09:53	-----	281-	54-	83-	16319
B7 (19)	17/08/01	11:55:06	12:08:24	00:04:45	-----	273-	72-	85-	99128
A3 (07)	17/08/01	11:55:21	12:08:17	00:00:06	-----	286-	69-	119-	2675
A4 (08)	17/08/01	12:10:33	12:23:20	00:12:47	00:02:15	286-	58-	126-	2675
B8 (20)	17/08/01	12:11:43	12:25:00	00:01:39	-----	276-	72-	88-	99139
S2 (113)	17/08/01	12:17:04	12:29:21	00:04:21	-----	285-	57-	89-	16407
A8 (12)	17/08/01	12:21:49	12:34:31	00:05:09	-----	286-	53-	130-	2656
B4 (16)	17/08/01	12:25:03	12:38:20	00:03:49	-----	277-	72-	90-	99128
A5 (09)	17/08/01	12:34:49	12:47:23	00:09:02	-----	285-	47-	134-	2675
B3 (15)	17/08/01	12:39:02	12:52:19	00:04:56	-----	279-	74-	93-	99128
T4 (114)	17/08/01	12:42:40	12:47:11	00:05:08	-----	148-	7-	105-	16286
S3 (112)	17/08/01	12:43:27	12:55:48	00:08:36	-----	288-	62-	96-	16402
A7 (11)	17/08/01	12:46:52	12:59:14	00:03:25	-----	284-	41-	139-	2675
B2 (14)	17/08/01	12:54:59	13:08:17	00:09:03	-----	281-	77-	97-	99128
A6 (10)	17/08/01	13:00:27	13:12:36	00:04:19	-----	283-	36-	143-	20177
S4 (119)	17/08/01	13:09:26	13:21:50	00:09:13	-----	290-	72-	103-	16319
B1 (13)	17/08/01	13:11:07	13:24:27	00:02:37	-----	283-	81-	100-	99041
T1 (118)	17/08/01	13:15:24	13:24:16	00:00:01	-----	180-	14-	86-	16200
A2 (06)	17/08/01	13:16:34	13:28:20	00:04:03	-----	281-	30-	151-	2675
A1 (05)	17/08/01	13:24:38	13:36:11	00:07:51	-----	280-	27-	154-	2584
B6 (18)	17/08/01	13:26:18	13:39:37	00:03:25	-----	285-	89-	108-	99129
S1 (116)	17/08/01	13:35:24	13:47:49	00:08:12	-----	291-	87-	112-	16320
C3 (23)	17/08/01	13:36:08	13:46:41	00:01:07	-----	191-	19-	83-	98485
B7 (19)	17/08/01	13:40:55	13:54:13	00:07:31	-----	286-	82-	112-	99129
A3 (07)	17/08/01	13:40:57	13:51:54	00:02:01	-----	278-	22-	162-	2676
C1 (21)	17/08/01	13:48:07	13:59:19	00:07:25	-----	198-	23-	80-	98443
T2 (110)	17/08/01	13:48:48	13:59:29	00:00:10	-----	199-	24-	77-	16284
A4 (08)	17/08/01	13:56:24	14:06:22	00:06:53	-----	273-	17-	172-	2676
B8 (20)	17/08/01	13:57:29	14:10:44	00:04:21	-----	286-	74-	117-	99140
S2 (113)	17/08/01	14:01:00	14:13:22	00:02:38	-----	291-	75-	121-	16408
A8 (12)	17/08/01	14:07:52	14:17:10	00:03:47	-----	270-	15-	178-	2657
B4 (16)	17/08/01	14:10:48	14:24:02	00:06:51	-----	286-	70-	119-	99129
C7 (27)	17/08/01	14:11:37	14:23:32	00:00:02	-----	208-	29-	77-	98482
A5 (09)	17/08/01	14:21:07	14:29:38	00:06:06	-----	267-	12-	185-	2676
T4 (114)	17/08/01	14:21:49	14:33:28	00:03:49	-----	214-	37-	73-	16287
B3 (15)	17/08/01	14:24:46	14:37:55	00:04:27	-----	286-	63-	123-	99129
S3 (112)	17/08/01	14:27:21	14:39:32	00:01:37	-----	290-	57-	131-	16403
A7 (11)	17/08/01	14:33:38	14:40:49	00:01:16	-----	261-	10-	195-	2676
B2 (14)	17/08/01	14:40:42	14:53:43	00:12:53	-----	286-	54-	129-	99129
A6 (10)	17/08/01	14:47:44	14:53:30	00:00:01	-----	254-	8-	204-	20178
S4 (119)	17/08/01	14:53:21	15:05:12	00:11:42	-----	288-	42-	141-	16320
T3 (105)	17/08/01	14:53:48	15:03:43	00:01:02	-----	186-	17-	82-	15449
T1 (118)	17/08/01	14:56:46	15:08:58	00:05:14	-----	230-	58-	69-	16201
B1 (13)	17/08/01	14:56:51	15:09:43	00:00:44	-----	285-	47-	134-	99042
B6 (18)	17/08/01	15:12:05	15:24:29	00:12:23	00:02:22	283-	35-	145-	99130
S1 (116)	17/08/01	15:19:26	15:30:38	00:06:09	-----	284-	29-	154-	16321

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
C3 (23)	17/08/01	15:19:48	15:32:56	00:02:17	-----	235-	62-	74-	98486
B7 (19)	17/08/01	15:26:46	15:38:49	00:05:53	-----	282-	30-	150-	99130
T2 (110)	17/08/01	15:31:15	15:43:39	00:04:49	-----	243-	82-	69-	16285
C1 (21)	17/08/01	15:32:10	15:45:22	00:01:43	-----	240-	70-	74-	98444
B8 (20)	17/08/01	15:43:27	15:55:00	00:09:37	-----	279-	25-	157-	99141
S2 (113)	17/08/01	15:45:17	15:55:33	00:00:34	-----	279-	21-	167-	16409
C7 (27)	17/08/01	15:56:09	16:09:25	00:13:16	00:00:35	247-	81-	74-	98483
B4 (16)	17/08/01	15:56:50	16:08:07	00:01:01	-----	278-	23-	160-	99130
T4 (114)	17/08/01	16:05:00	16:17:25	00:09:17	-----	254-	77-	69-	16288
B3 (15)	17/08/01	16:10:57	16:21:41	00:04:16	-----	276-	20-	167-	99130
S3 (112)	17/08/01	16:12:05	16:20:48	00:00:05	-----	272-	14-	182-	16404
G2 (04)	17/08/01	16:18:58	16:30:15	00:09:26	-----	41-	30-	173-	1288
B2 (14)	17/08/01	16:27:10	16:36:55	00:06:40	-----	271-	16-	176-	99130
T3 (105)	17/08/01	16:36:21	16:49:04	00:12:08	-----	233-	65-	69-	15450
S4 (119)	17/08/01	16:38:57	16:45:13	00:03:05	-----	260-	9-	201-	16321
T1 (118)	17/08/01	16:40:32	16:52:52	00:07:38	-----	265-	62-	72-	16202
B1 (13)	17/08/01	16:43:39	16:52:20	00:00:03	-----	267-	13-	185-	99043
B6 (18)	17/08/01	17:00:00	17:05:37	00:05:37	00:07:38	254-	8-	205-	99131
C3 (23)	17/08/01	17:05:22	17:18:41	00:13:04	-----	267-	74-	81-	98487
T2 (110)	17/08/01	17:15:20	17:27:37	00:08:55	-----	274-	55-	77-	16286
C1 (21)	17/08/01	17:17:51	17:31:08	00:03:31	-----	270-	72-	83-	98445
C7 (27)	17/08/01	17:41:57	17:55:14	00:13:16	00:10:49	274-	72-	87-	98484
T4 (114)	17/08/01	17:49:14	18:01:29	00:06:15	-----	281-	54-	83-	16289
G2 (04)	17/08/01	17:57:15	18:09:03	00:07:34	-----	17-	41-	232-	1289
T3 (105)	17/08/01	18:21:05	18:33:50	00:12:45	00:12:01	268-	60-	74-	15451
T1 (118)	17/08/01	18:24:46	18:37:04	00:03:14	-----	287-	59-	91-	16203
K9 (109)	17/08/01	18:38:05	18:43:32	00:05:26	00:01:00	158-	8-	106-	15315
C3 (23)	17/08/01	18:51:15	19:04:35	00:13:20	00:07:43	284-	85-	103-	98488
T2 (110)	17/08/01	18:59:29	19:11:52	00:07:17	-----	290-	69-	101-	16287
K4 (104)	17/08/01	18:59:51	19:06:29	00:05:02	-----	164-	9-	99-	15487
K7 (107)	17/08/01	19:01:23	19:09:36	00:03:06	-----	174-	12-	90-	15315
C1 (21)	17/08/01	19:03:41	19:17:00	00:07:23	-----	285-	89-	108-	98446
K6 (106)	17/08/01	19:25:13	19:35:04	00:09:50	00:08:13	186-	18-	81-	16214
C7 (27)	17/08/01	19:27:45	19:41:01	00:05:57	-----	286-	79-	114-	98485
T4 (114)	17/08/01	19:33:16	19:45:40	00:04:38	-----	291-	86-	112-	16290
G2 (04)	17/08/01	19:37:24	19:43:31	00:02:08	-----	354-	9-	292-	1290
K3 (103)	17/08/01	19:51:09	20:02:05	00:10:55	00:07:37	200-	26-	76-	15316
T3 (105)	17/08/01	20:06:09	20:18:56	00:12:46	00:04:04	288-	62-	95-	15452
T1 (118)	17/08/01	20:08:41	20:21:00	00:02:03	-----	291-	67-	125-	16204
K9 (109)	17/08/01	20:17:40	20:29:25	00:08:25	-----	216-	39-	72-	15316
C3 (23)	17/08/01	20:37:00	20:49:42	00:12:41	00:07:35	285-	42-	139-	98489
K4 (104)	17/08/01	20:40:11	20:52:01	00:02:19	-----	220-	44-	71-	15488
K7 (107)	17/08/01	20:42:23	20:54:30	00:02:29	-----	226-	52-	70-	15316
T2 (110)	17/08/01	20:43:23	20:55:21	00:00:50	-----	289-	45-	139-	16288
C1 (21)	17/08/01	20:49:28	21:01:52	00:06:31	-----	283-	36-	144-	98447
K6 (106)	17/08/01	21:07:08	21:19:27	00:12:18	00:05:16	236-	69-	69-	16215
C7 (27)	17/08/01	21:13:39	21:25:29	00:06:01	-----	281-	28-	153-	98486
T4 (114)	17/08/01	21:17:17	21:28:31	00:03:02	-----	285-	30-	153-	16291
K3 (103)	17/08/01	21:33:47	21:46:11	00:12:23	00:05:15	245-	88-	69-	15317
T3 (105)	17/08/01	21:50:54	22:03:35	00:12:40	00:04:43	291-	60-	129-	15453

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
T1 (118)	17/08/01	21:53:07	22:02:52	00:00:04	-----	277-	18-	172-	16205
K9 (109)	17/08/01	22:00:57	22:13:20	00:10:28	-----	255-	74-	70-	15317
K4 (104)	17/08/01	22:23:43	22:36:01	00:12:17	00:10:22	259-	70-	70-	15489
C3 (23)	17/08/01	22:24:11	22:31:46	00:04:01	-----	262-	10-	192-	98490
K7 (107)	17/08/01	22:26:03	22:38:23	00:06:37	-----	263-	64-	71-	15317
T2 (110)	17/08/01	22:28:42	22:35:44	00:02:03	-----	264-	10-	195-	16289
C1 (21)	17/08/01	22:37:21	22:43:02	00:05:41	00:01:36	254-	8-	205-	98448
K6 (106)	17/08/01	22:51:05	23:03:22	00:12:17	00:08:03	270-	58-	74-	16216
K3 (103)	17/08/01	23:17:55	23:30:10	00:12:15	00:14:32	276-	55-	78-	15318
T3 (105)	17/08/01	23:36:23	23:45:54	00:09:30	00:06:13	274-	16-	178-	15454
K9 (109)	17/08/01	23:45:11	23:57:26	00:11:32	-----	282-	54-	84-	15318
K4 (104)	17/08/02	00:08:04	00:20:15	00:12:11	00:10:37	283-	55-	86-	15490
K7 (107)	17/08/02	00:10:18	00:22:34	00:02:19	-----	285-	57-	89-	15318
G2 (04)	17/08/02	00:25:28	00:30:18	00:04:50	00:02:53	56-	7-	12-	1293
D8 (36)	17/08/02	00:28:20	00:35:44	00:05:25	-----	167-	10-	99-	92174
K6 (106)	17/08/02	00:35:17	00:47:37	00:11:52	-----	288-	63-	96-	16217
D3 (31)	17/08/02	00:48:19	00:59:19	00:10:59	00:00:42	196-	21-	81-	92131
K3 (103)	17/08/02	01:02:02	01:14:25	00:12:22	00:02:43	290-	72-	103-	15319
D4 (32)	17/08/02	01:08:00	01:19:50	00:05:25	-----	206-	28-	78-	92218
D2 (30)	17/08/02	01:08:19	01:19:24	00:00:02	-----	195-	22-	81-	92219
K9 (109)	17/08/02	01:29:12	01:41:36	00:12:23	00:09:47	291-	89-	113-	15319
D6 (34)	17/08/02	01:32:08	01:43:38	00:02:02	-----	202-	25-	79-	92222
D7 (35)	17/08/02	01:50:01	02:02:02	00:12:00	00:06:23	207-	30-	77-	92219
K4 (104)	17/08/02	01:52:07	02:04:27	00:02:25	-----	291-	84-	117-	15491
K7 (107)	17/08/02	01:54:14	02:06:34	00:02:06	-----	291-	74-	122-	15319
G2 (04)	17/08/02	01:59:04	02:10:50	00:04:16	-----	120-	33-	345-	1294
D8 (36)	17/08/02	02:10:20	02:22:58	00:12:07	-----	220-	41-	75-	92175
K6 (106)	17/08/02	02:19:11	02:31:21	00:08:22	-----	290-	56-	131-	16218
D3 (31)	17/08/02	02:32:15	02:45:25	00:13:10	00:00:54	239-	67-	74-	92132
K3 (103)	17/08/02	02:45:57	02:57:46	00:11:49	00:00:31	288-	41-	142-	15320
D2 (30)	17/08/02	02:52:18	03:05:29	00:07:43	-----	240-	69-	74-	92220
D4 (32)	17/08/02	02:52:30	03:05:47	00:00:18	-----	246-	79-	74-	92219
K9 (109)	17/08/02	03:13:16	03:24:22	00:11:05	00:07:28	284-	28-	156-	15320
D6 (34)	17/08/02	03:16:23	03:29:37	00:05:15	-----	243-	74-	74-	92223
D7 (35)	17/08/02	03:34:36	03:47:53	00:13:16	00:05:00	248-	83-	74-	92220
K4 (104)	17/08/02	03:36:20	03:47:04	00:00:04	-----	282-	24-	160-	15492
G2 (04)	17/08/02	03:37:08	03:49:28	00:02:23	-----	175-	42-	324-	1295
K7 (107)	17/08/02	03:38:32	03:48:41	00:00:04	-----	279-	20-	168-	15320
D8 (36)	17/08/02	03:55:25	04:08:44	00:13:18	00:06:44	256-	85-	76-	92176
K6 (106)	17/08/02	04:03:56	04:12:36	00:03:52	-----	272-	14-	183-	16219
D3 (31)	17/08/02	04:17:54	04:31:10	00:13:16	00:05:18	269-	73-	82-	92133
K3 (103)	17/08/02	04:31:37	04:37:41	00:06:04	00:00:26	259-	8-	203-	15321
A4 (08)	17/08/02	04:33:43	04:39:21	00:01:40	-----	160-	8-	108-	2685
D2 (30)	17/08/02	04:37:59	04:51:14	00:11:53	-----	270-	72-	83-	92221
D4 (32)	17/08/02	04:38:21	04:51:37	00:00:22	-----	274-	71-	86-	92220
A8 (12)	17/08/02	04:44:07	04:51:09	00:00:02	-----	166-	10-	100-	2666
A5 (09)	17/08/02	04:56:24	05:04:36	00:08:11	00:05:14	173-	12-	94-	2685
D6 (34)	17/08/02	05:02:08	05:15:23	00:10:47	-----	272-	71-	84-	92224
A7 (11)	17/08/02	05:07:42	05:16:57	00:01:34	-----	182-	14-	88-	2685
D7 (35)	17/08/02	05:20:26	05:33:42	00:13:16	00:03:28	275-	71-	87-	92221

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A6 (10)	17/08/02	05:20:46	05:30:44	00:02:05	-----	188-	17-	85-	20187
A2 (06)	17/08/02	05:36:11	05:47:01	00:10:50	00:05:27	196-	21-	81-	2685
D8 (36)	17/08/02	05:41:18	05:54:36	00:07:34	-----	279-	74-	93-	92177
A1 (05)	17/08/02	05:43:58	05:55:06	00:00:30	-----	200-	23-	80-	2594
A3 (07)	17/08/02	05:59:44	06:11:25	00:11:41	00:04:37	207-	29-	77-	2686
D3 (31)	17/08/02	06:03:45	06:17:02	00:05:37	-----	285-	88-	106-	92134
A4 (08)	17/08/02	06:14:29	06:26:41	00:09:39	-----	216-	36-	76-	2686
D2 (30)	17/08/02	06:23:50	06:37:06	00:10:24	-----	285-	89-	107-	92222
D4 (32)	17/08/02	06:24:12	06:37:27	00:00:20	-----	286-	81-	113-	92221
A8 (12)	17/08/02	06:25:36	06:37:59	00:00:32	-----	220-	40-	75-	2667
S3 (112)	17/08/02	06:38:15	06:45:26	00:07:11	00:00:15	167-	10-	96-	16413
A5 (09)	17/08/02	06:38:27	06:51:00	00:05:32	-----	224-	45-	75-	2686
D6 (34)	17/08/02	06:47:57	07:01:14	00:10:14	-----	285-	86-	110-	92225
A7 (11)	17/08/02	06:50:19	07:03:02	00:01:48	-----	229-	52-	74-	2686
B3 (15)	17/08/02	06:52:32	06:57:59	00:05:03	-----	155-	7-	105-	99139
S4 (119)	17/08/02	07:02:51	07:12:07	00:09:16	00:04:52	183-	16-	84-	16330
A6 (10)	17/08/02	07:03:47	07:16:36	00:04:28	-----	233-	58-	74-	20188
D7 (35)	17/08/02	07:06:13	07:19:28	00:02:52	-----	286-	78-	115-	92222
B2 (14)	17/08/02	07:07:05	07:14:46	00:04:04	-----	169-	10-	97-	99139
A2 (06)	17/08/02	07:19:42	07:32:39	00:12:57	00:04:55	239-	67-	74-	2686
B1 (13)	17/08/02	07:22:23	07:31:24	00:01:01	-----	178-	13-	90-	99052
D8 (36)	17/08/02	07:27:03	07:40:11	00:08:47	-----	286-	63-	124-	92178
A1 (05)	17/08/02	07:27:40	07:40:39	00:00:28	-----	242-	72-	74-	2595
S1 (116)	17/08/02	07:27:49	07:38:30	00:02:09	-----	198-	24-	77-	16331
B6 (18)	17/08/02	07:36:25	07:47:04	00:08:34	-----	192-	19-	83-	99140
A3 (07)	17/08/02	07:43:48	07:56:50	00:09:45	-----	247-	81-	74-	2687
D3 (31)	17/08/02	07:49:32	08:02:00	00:05:09	-----	284-	38-	142-	92135
B7 (19)	17/08/02	07:50:35	08:01:51	00:00:08	-----	199-	23-	80-	99140
S2 (113)	17/08/02	07:52:49	08:04:17	00:02:25	-----	209-	33-	73-	16419
A4 (08)	17/08/02	07:58:56	08:12:00	00:07:43	-----	253-	90-	75-	2687
B8 (20)	17/08/02	08:06:43	08:18:32	00:06:32	-----	206-	28-	78-	99151
D2 (30)	17/08/02	08:09:37	08:22:01	00:03:28	-----	284-	36-	144-	92223
D4 (32)	17/08/02	08:10:07	08:22:01	00:00:00	-----	281-	29-	152-	92222
A8 (12)	17/08/02	08:10:13	08:23:16	00:01:15	-----	256-	86-	76-	2668
S3 (112)	17/08/02	08:18:43	08:30:42	00:07:26	-----	222-	46-	71-	16414
B4 (16)	17/08/02	08:19:53	08:31:54	00:01:11	-----	209-	30-	77-	99140
A5 (09)	17/08/02	08:23:13	08:36:15	00:04:20	-----	259-	82-	77-	2687
B3 (15)	17/08/02	08:33:36	08:45:56	00:09:41	-----	215-	35-	76-	99140
D6 (34)	17/08/02	08:33:47	08:45:59	00:00:02	-----	283-	32-	148-	92226
A7 (11)	17/08/02	08:35:15	08:48:18	00:02:18	-----	263-	78-	78-	2687
S4 (119)	17/08/02	08:44:26	08:56:42	00:08:24	-----	232-	62-	69-	16331
A6 (10)	17/08/02	08:48:50	09:01:52	00:05:09	-----	265-	75-	80-	20189
B2 (14)	17/08/02	08:49:15	09:01:55	00:00:03	-----	221-	42-	75-	99140
D7 (35)	17/08/02	08:52:09	09:03:53	00:01:58	-----	280-	27-	155-	92223
A2 (06)	17/08/02	09:04:54	09:17:56	00:13:02	00:01:00	269-	72-	82-	2687
B1 (13)	17/08/02	09:05:13	09:18:05	00:00:08	-----	227-	49-	74-	99053
S1 (116)	17/08/02	09:10:16	09:22:40	00:04:34	-----	243-	82-	69-	16332
A1 (05)	17/08/02	09:12:55	09:25:57	00:03:17	-----	271-	72-	84-	2596
D8 (36)	17/08/02	09:13:15	09:23:54	00:02:03	-----	276-	19-	167-	92179
B6 (18)	17/08/02	09:20:09	09:33:16	00:09:22	-----	236-	63-	74-	99141

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A3 (07)	17/08/02	09:29:08	09:42:10	00:08:53	-----	274-	71-	86-	2688
B7 (19)	17/08/02	09:34:41	09:47:53	00:05:43	-----	241-	71-	74-	99141
S2 (113)	17/08/02	09:35:50	09:48:16	00:00:22	-----	251-	81-	69-	16420
D3 (31)	17/08/02	09:37:07	09:43:32	00:04:04	-----	257-	8-	201-	92136
A4 (08)	17/08/02	09:44:20	09:57:22	00:13:01	00:00:47	277-	72-	90-	2688
B8 (20)	17/08/02	09:51:11	10:04:26	00:07:04	-----	246-	79-	74-	99152
A8 (12)	17/08/02	09:55:38	10:08:39	00:04:12	-----	279-	73-	93-	2669
D2 (30)	17/08/02	09:57:22	10:03:21	00:05:01	-----	255-	8-	204-	92224
S3 (112)	17/08/02	10:02:13	10:14:37	00:11:15	-----	260-	68-	70-	16415
B4 (16)	17/08/02	10:04:30	10:17:46	00:03:09	-----	248-	83-	74-	99141
A5 (09)	17/08/02	10:08:39	10:21:39	00:03:52	-----	281-	75-	95-	2688
B3 (15)	17/08/02	10:18:27	10:31:44	00:10:05	-----	252-	89-	75-	99141
A7 (11)	17/08/02	10:20:41	10:33:42	00:01:57	-----	282-	79-	98-	2688
D6 (34)	17/08/02	10:22:17	10:26:19	00:07:02	-----	245-	6-	212-	92227
S4 (119)	17/08/02	10:28:16	10:40:36	00:12:20	00:01:56	267-	60-	73-	16332
A6 (10)	17/08/02	10:34:15	10:47:16	00:06:39	-----	283-	82-	101-	20190
B2 (14)	17/08/02	10:34:22	10:47:40	00:00:24	-----	257-	84-	76-	99141
A2 (06)	17/08/02	10:50:17	11:03:20	00:13:03	00:02:36	285-	89-	106-	2688
B1 (13)	17/08/02	10:50:31	11:03:50	00:00:29	-----	261-	80-	78-	99054
S1 (116)	17/08/02	10:54:21	11:06:38	00:02:48	-----	274-	55-	77-	16333
A1 (05)	17/08/02	10:58:17	11:11:20	00:04:41	-----	285-	88-	108-	2597
B6 (18)	17/08/02	11:05:44	11:19:01	00:07:41	-----	267-	74-	81-	99142
A3 (07)	17/08/02	11:14:29	11:27:29	00:08:27	-----	286-	80-	113-	2689
S2 (113)	17/08/02	11:20:03	11:32:19	00:04:50	-----	279-	54-	81-	16421
B7 (19)	17/08/02	11:20:22	11:33:40	00:01:20	-----	270-	72-	83-	99142
A4 (08)	17/08/02	11:29:38	11:42:34	00:08:54	-----	286-	69-	120-	2689
B8 (20)	17/08/02	11:36:58	11:50:14	00:07:40	-----	274-	72-	86-	99153
A8 (12)	17/08/02	11:40:55	11:53:47	00:03:32	-----	286-	63-	123-	2670
S3 (112)	17/08/02	11:46:28	11:58:45	00:04:58	-----	284-	56-	87-	16416
B4 (16)	17/08/02	11:50:18	12:03:35	00:04:49	-----	275-	72-	87-	99142
A5 (09)	17/08/02	11:53:55	12:06:41	00:03:05	-----	286-	57-	127-	2689
B3 (15)	17/08/02	12:04:18	12:17:35	00:10:53	-----	277-	72-	90-	99142
A7 (11)	17/08/02	12:05:57	12:18:35	00:01:00	-----	285-	50-	132-	2689
S4 (119)	17/08/02	12:12:30	12:24:49	00:06:14	-----	287-	60-	93-	16333
A6 (10)	17/08/02	12:19:31	12:32:00	00:07:10	-----	285-	44-	136-	20191
B2 (14)	17/08/02	12:20:15	12:33:32	00:01:31	-----	280-	75-	94-	99142
A2 (06)	17/08/02	12:35:36	12:47:49	00:12:12	00:02:03	283-	37-	143-	2689
B1 (13)	17/08/02	12:36:24	12:49:43	00:01:54	-----	281-	78-	97-	99055
S1 (116)	17/08/02	12:38:30	12:50:53	00:01:10	-----	290-	69-	101-	16334
A1 (05)	17/08/02	12:43:38	12:55:41	00:04:47	-----	283-	34-	146-	2598
B6 (18)	17/08/02	12:51:35	13:04:54	00:09:13	-----	284-	86-	104-	99143
T2 (110)	17/08/02	12:53:12	13:02:02	00:02:05	-----	179-	14-	86-	16298
A3 (07)	17/08/02	12:59:55	13:11:32	00:09:30	-----	281-	28-	153-	2690
C3 (23)	17/08/02	13:02:03	13:11:53	00:00:21	-----	185-	16-	86-	98499
S2 (113)	17/08/02	13:04:06	13:16:32	00:04:38	-----	291-	82-	109-	16422
B7 (19)	17/08/02	13:06:12	13:19:31	00:02:59	-----	285-	88-	108-	99143
C1 (21)	17/08/02	13:13:50	13:24:28	00:04:56	-----	192-	19-	83-	98457
A4 (08)	17/08/02	13:15:15	13:26:09	00:01:40	-----	277-	22-	162-	2690
B8 (20)	17/08/02	13:22:46	13:36:02	00:09:53	-----	286-	81-	113-	99154
T4 (114)	17/08/02	13:25:44	13:36:19	00:00:17	-----	195-	23-	77-	16301

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A8 (12)	17/08/02	13:26:39	13:37:04	00:00:44	-----	275-	19-	167-	2671
S3 (112)	17/08/02	13:30:26	13:42:50	00:05:46	-----	291-	81-	118-	16417
B4 (16)	17/08/02	13:36:05	13:49:21	00:06:30	-----	286-	77-	115-	99143
C7 (27)	17/08/02	13:37:15	13:48:46	00:00:03	-----	202-	25-	79-	98496
A5 (09)	17/08/02	13:39:49	13:49:36	00:00:50	-----	273-	17-	173-	2690
B3 (15)	17/08/02	13:50:03	14:03:16	00:13:13	00:00:26	286-	70-	119-	99143
A7 (11)	17/08/02	13:52:08	14:01:02	00:02:01	-----	268-	13-	182-	2690
S4 (119)	17/08/02	13:56:24	14:08:41	00:07:38	-----	291-	63-	127-	16334
B2 (14)	17/08/02	14:06:00	14:19:06	00:10:25	-----	286-	61-	125-	99143
A6 (10)	17/08/02	14:06:01	14:14:00	00:05:06	-----	264-	11-	189-	20192
T3 (105)	17/08/02	14:09:29	14:17:39	00:03:39	-----	172-	12-	91-	15463
B1 (13)	17/08/02	14:22:08	14:35:08	00:13:00	00:04:28	286-	53-	130-	99056
S1 (116)	17/08/02	14:22:24	14:34:22	00:00:04	-----	289-	45-	138-	16335
A2 (06)	17/08/02	14:22:49	14:28:48	00:05:03	-----	255-	8-	202-	2690
A1 (05)	17/08/02	14:31:21	14:36:02	00:04:40	00:02:33	249-	7-	211-	2599
T2 (110)	17/08/02	14:34:32	14:46:44	00:10:41	-----	229-	58-	69-	16299
B6 (18)	17/08/02	14:37:20	14:49:59	00:03:14	-----	284-	40-	140-	99144
C3 (23)	17/08/02	14:45:19	14:58:20	00:08:21	-----	231-	55-	74-	98500
S2 (113)	17/08/02	14:48:05	14:59:33	00:01:12	-----	286-	33-	149-	16423
B7 (19)	17/08/02	14:52:00	15:04:21	00:04:48	-----	283-	35-	145-	99144
C1 (21)	17/08/02	14:57:32	15:10:40	00:06:18	-----	236-	63-	74-	98458
T4 (114)	17/08/02	15:08:07	15:20:31	00:09:50	-----	242-	81-	69-	16302
B8 (20)	17/08/02	15:08:38	15:20:34	00:00:03	-----	281-	29-	152-	99155
S3 (112)	17/08/02	15:14:37	15:25:17	00:04:42	-----	281-	23-	162-	16418
C7 (27)	17/08/02	15:21:31	15:34:45	00:09:28	-----	243-	75-	74-	98497
B4 (16)	17/08/02	15:22:01	15:33:44	00:01:00	-----	280-	27-	155-	99144
B3 (15)	17/08/02	15:36:05	15:47:21	00:11:15	00:02:21	278-	23-	161-	99144
S4 (119)	17/08/02	15:40:56	15:50:20	00:02:58	-----	275-	16-	176-	16335
T1 (118)	17/08/02	15:43:32	15:55:56	00:05:36	-----	255-	75-	69-	16216
T3 (105)	17/08/02	15:51:05	16:03:34	00:07:38	-----	224-	50-	70-	15464
G2 (04)	17/08/02	15:51:21	16:00:30	00:03:03	-----	53-	15-	150-	1302
B2 (14)	17/08/02	15:52:14	16:02:44	00:02:13	-----	275-	18-	169-	99144
S1 (116)	17/08/02	16:07:43	16:14:46	00:07:03	00:05:00	264-	10-	195-	16336
B1 (13)	17/08/02	16:08:38	16:18:16	00:03:29	-----	271-	15-	177-	99057
T2 (110)	17/08/02	16:18:18	16:30:38	00:12:20	00:00:01	265-	62-	72-	16300
B6 (18)	17/08/02	16:24:36	16:31:54	00:01:16	-----	261-	10-	194-	99145
C3 (23)	17/08/02	16:30:46	16:44:05	00:12:10	-----	264-	77-	79-	98501
B7 (19)	17/08/02	16:40:00	16:45:22	00:01:17	-----	252-	7-	208-	99145
C1 (21)	17/08/02	16:43:07	16:56:25	00:11:02	-----	267-	74-	81-	98459
T4 (114)	17/08/02	16:52:12	17:04:28	00:08:03	-----	274-	56-	76-	16303
C7 (27)	17/08/02	17:07:15	17:20:32	00:13:16	00:02:47	272-	72-	85-	98498
T1 (118)	17/08/02	17:27:46	17:40:02	00:12:15	00:07:14	281-	54-	83-	16217
G2 (04)	17/08/02	17:28:43	17:41:02	00:01:00	-----	24-	76-	214-	1303
T3 (105)	17/08/02	17:35:31	17:48:19	00:07:17	-----	261-	67-	71-	15465
T2 (110)	17/08/02	18:02:32	18:14:50	00:12:18	00:14:12	287-	59-	91-	16301
C3 (23)	17/08/02	18:16:39	18:29:59	00:13:19	00:01:48	283-	81-	100-	98502
C1 (21)	17/08/02	18:28:59	18:42:18	00:12:19	-----	284-	86-	104-	98460
K6 (106)	17/08/02	18:30:02	18:37:17	00:05:00	-----	168-	10-	95-	16228
T4 (114)	17/08/02	18:36:21	18:48:43	00:11:25	-----	290-	68-	100-	16304
C7 (27)	17/08/02	18:53:04	19:06:22	00:13:17	00:04:21	285-	85-	110-	98499

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
K3 (103)	17/08/02	18:55:23	19:04:43	00:01:03	-----	184-	16-	84-	15330
G2 (04)	17/08/02	19:08:13	19:17:01	00:08:47	00:03:29	3-	15-	270-	1304
T1 (118)	17/08/02	19:11:47	19:24:12	00:07:11	-----	291-	88-	113-	16218
T3 (105)	17/08/02	19:20:38	19:33:21	00:09:09	-----	285-	58-	89-	15466
K9 (109)	17/08/02	19:21:32	19:32:19	00:01:02	-----	198-	25-	76-	15330
K4 (104)	17/08/02	19:45:17	19:56:20	00:11:03	00:12:57	203-	28-	75-	15502
K7 (107)	17/08/02	19:46:00	19:57:30	00:01:09	-----	210-	34-	73-	15330
T2 (110)	17/08/02	19:46:27	19:58:46	00:01:16	-----	291-	68-	125-	16302
C3 (23)	17/08/02	20:02:24	20:15:16	00:12:52	00:03:37	285-	47-	134-	98503
K6 (106)	17/08/02	20:10:33	20:22:32	00:07:15	-----	222-	46-	71-	16229
C1 (21)	17/08/02	20:14:44	20:27:22	00:04:50	-----	284-	41-	140-	98461
T4 (114)	17/08/02	20:20:15	20:32:13	00:04:50	-----	289-	46-	138-	16305
K3 (103)	17/08/02	20:37:01	20:49:16	00:12:15	00:04:47	232-	63-	69-	15331
C7 (27)	17/08/02	20:38:54	20:51:05	00:01:48	-----	282-	32-	148-	98500
T1 (118)	17/08/02	20:55:50	21:07:00	00:11:10	00:04:44	284-	29-	154-	16219
K9 (109)	17/08/02	21:04:04	21:16:27	00:09:27	-----	244-	85-	69-	15331
T3 (105)	17/08/02	21:05:26	21:18:14	00:01:47	-----	291-	77-	121-	15467
K4 (104)	17/08/02	21:28:09	21:40:29	00:12:19	00:09:54	248-	88-	69-	15503
K7 (107)	17/08/02	21:29:04	21:41:28	00:01:00	-----	252-	80-	69-	15331
T2 (110)	17/08/02	21:30:52	21:40:39	00:00:04	-----	277-	18-	172-	16303
C3 (23)	17/08/02	21:49:10	21:57:57	00:08:46	00:08:31	267-	13-	184-	98504
K6 (106)	17/08/02	21:54:03	22:06:25	00:08:28	-----	260-	68-	70-	16230
C1 (21)	17/08/02	22:01:59	22:09:19	00:02:53	-----	261-	10-	194-	98462
T4 (114)	17/08/02	22:05:30	22:12:43	00:03:23	-----	265-	10-	194-	16306
K3 (103)	17/08/02	22:20:52	22:33:10	00:12:18	00:08:08	267-	60-	73-	15332
C7 (27)	17/08/02	22:27:30	22:31:22	00:01:04	-----	245-	6-	216-	98501
K9 (109)	17/08/02	22:48:10	23:00:26	00:12:15	00:16:48	275-	55-	77-	15332
T3 (105)	17/08/02	22:50:32	23:01:18	00:00:52	-----	281-	22-	165-	15468
K4 (104)	17/08/02	23:12:25	23:24:35	00:12:09	00:11:06	277-	54-	79-	15504
K7 (107)	17/08/02	23:13:17	23:25:32	00:00:56	-----	280-	54-	81-	15332
K6 (106)	17/08/02	23:38:19	23:50:34	00:12:15	00:12:46	284-	56-	87-	16231
D8 (36)	17/08/02	23:54:46	00:00:26	00:05:39	00:04:12	160-	8-	104-	92188
K3 (103)	17/08/03	00:05:05	00:17:24	00:12:18	00:04:39	287-	60-	93-	15333
D3 (31)	17/08/03	00:14:07	00:24:30	00:07:06	-----	190-	18-	84-	92145
K9 (109)	17/08/03	00:32:18	00:44:41	00:12:22	00:07:48	290-	70-	102-	15333
D2 (30)	17/08/03	00:34:05	00:44:37	00:00:04	-----	191-	19-	83-	92233
D4 (32)	17/08/03	00:34:11	00:45:39	00:01:02	-----	201-	24-	79-	92232
K4 (104)	17/08/03	00:56:36	01:08:55	00:12:19	00:10:56	291-	75-	105-	15505
K7 (107)	17/08/03	00:57:20	01:09:44	00:00:48	-----	291-	83-	110-	15333
D6 (34)	17/08/03	00:57:53	01:08:53	00:00:05	-----	194-	22-	81-	92236
D7 (35)	17/08/03	01:15:39	01:27:18	00:11:38	00:06:45	204-	26-	78-	92233
K6 (106)	17/08/03	01:22:16	01:34:39	00:07:20	-----	291-	81-	118-	16232
G2 (04)	17/08/03	01:31:43	01:42:03	00:07:24	-----	101-	20-	353-	1308
D8 (36)	17/08/03	01:35:54	01:48:17	00:06:14	-----	215-	36-	76-	92189
K3 (103)	17/08/03	01:49:00	02:01:14	00:12:14	00:00:41	291-	62-	128-	15334
D3 (31)	17/08/03	01:57:41	02:10:47	00:09:32	-----	234-	60-	74-	92146
K9 (109)	17/08/03	02:16:13	02:28:06	00:11:53	00:05:26	288-	43-	140-	15334
D2 (30)	17/08/03	02:17:44	02:30:50	00:02:44	-----	235-	62-	74-	92234
D4 (32)	17/08/03	02:18:26	02:31:41	00:00:50	-----	242-	73-	74-	92233
K4 (104)	17/08/03	02:40:37	02:52:16	00:11:39	00:08:56	287-	38-	145-	15506

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
K7 (107)	17/08/03	02:41:19	02:52:43	00:00:26	-----	286-	32-	150-	15334
D6 (34)	17/08/03	02:41:49	02:54:59	00:02:16	-----	239-	67-	74-	92237
D7 (35)	17/08/03	03:00:00	03:13:15	00:13:15	00:05:00	244-	76-	74-	92234
K6 (106)	17/08/03	03:06:27	03:17:03	00:03:48	-----	281-	23-	163-	16233
G2 (04)	17/08/03	03:08:24	03:21:14	00:04:11	-----	156-	78-	332-	1309
D8 (36)	17/08/03	03:20:47	03:34:05	00:12:50	-----	253-	90-	75-	92190
K3 (103)	17/08/03	03:33:33	03:42:50	00:08:45	-----	275-	16-	177-	15335
D3 (31)	17/08/03	03:43:14	03:56:31	00:13:16	00:00:23	266-	75-	80-	92147
K9 (109)	17/08/03	04:01:40	04:08:19	00:06:38	00:05:09	262-	9-	199-	15335
D2 (30)	17/08/03	04:03:19	04:16:35	00:08:15	-----	267-	74-	81-	92235
D4 (32)	17/08/03	04:04:13	04:17:29	00:00:54	-----	271-	72-	84-	92234
A5 (09)	17/08/03	04:16:51	04:22:52	00:05:22	-----	161-	8-	106-	2699
K4 (104)	17/08/03	04:26:46	04:31:46	00:05:00	00:03:54	253-	7-	210-	15507
D6 (34)	17/08/03	04:27:28	04:40:44	00:08:58	-----	269-	72-	82-	92238
A7 (11)	17/08/03	04:27:49	04:35:31	00:05:01	-----	170-	11-	96-	2699
A6 (10)	17/08/03	04:40:45	04:49:27	00:08:42	00:05:13	177-	13-	91-	20201
D7 (35)	17/08/03	04:45:45	04:59:01	00:09:34	-----	272-	71-	85-	92235
G2 (04)	17/08/03	04:50:02	04:57:53	00:01:07	-----	221-	11-	299-	1310
A2 (06)	17/08/03	04:55:59	05:05:53	00:07:59	-----	187-	17-	85-	2699
A1 (05)	17/08/03	05:03:40	05:14:00	00:08:06	-----	191-	19-	84-	2608
D8 (36)	17/08/03	05:06:38	05:19:56	00:05:56	-----	277-	72-	90-	92191
A3 (07)	17/08/03	05:19:20	05:30:23	00:10:27	-----	199-	23-	80-	2700
D3 (31)	17/08/03	05:29:06	05:42:24	00:12:00	-----	284-	83-	102-	92148
A4 (08)	17/08/03	05:33:57	05:45:42	00:03:18	-----	208-	29-	77-	2700
A8 (12)	17/08/03	05:45:04	05:57:02	00:11:19	-----	210-	32-	76-	2681
D2 (30)	17/08/03	05:49:11	06:02:28	00:05:26	-----	284-	84-	103-	92236
D4 (32)	17/08/03	05:50:05	06:03:22	00:00:54	-----	285-	87-	109-	92235
A5 (09)	17/08/03	05:57:50	06:10:04	00:06:41	-----	217-	37-	76-	2700
S4 (119)	17/08/03	06:08:04	06:14:03	00:04:00	-----	160-	8-	103-	16344
A7 (11)	17/08/03	06:09:39	06:22:08	00:08:04	-----	222-	43-	75-	2700
D6 (34)	17/08/03	06:13:19	06:26:37	00:04:28	-----	285-	89-	106-	92239
A6 (10)	17/08/03	06:23:04	06:35:42	00:09:05	-----	226-	48-	74-	20202
D7 (35)	17/08/03	06:31:34	06:44:51	00:09:08	-----	286-	84-	111-	92236
S1 (116)	17/08/03	06:32:13	06:41:04	00:03:04	-----	179-	14-	86-	16345
B2 (14)	17/08/03	06:33:21	06:39:30	00:01:03	-----	161-	8-	105-	99153
A2 (06)	17/08/03	06:38:57	06:51:46	00:12:16	-----	233-	57-	74-	2700
A1 (05)	17/08/03	06:46:53	06:59:46	00:08:00	-----	236-	61-	74-	2609
B1 (13)	17/08/03	06:48:24	06:56:17	00:03:02	-----	171-	11-	96-	99066
D8 (36)	17/08/03	06:52:24	07:05:37	00:09:20	-----	286-	70-	120-	92192
S2 (113)	17/08/03	06:56:48	07:07:05	00:01:28	-----	194-	21-	79-	16433
B6 (18)	17/08/03	07:02:12	07:12:09	00:05:04	-----	186-	16-	86-	99154
A3 (07)	17/08/03	07:03:00	07:15:58	00:03:48	-----	241-	70-	74-	2701
D3 (31)	17/08/03	07:14:51	07:27:33	00:11:35	-----	285-	43-	138-	92149
B7 (19)	17/08/03	07:16:17	07:27:00	00:00:03	-----	193-	20-	82-	99154
A4 (08)	17/08/03	07:18:03	07:31:07	00:04:06	-----	247-	81-	74-	2701
S3 (112)	17/08/03	07:22:27	07:33:40	00:02:33	-----	204-	30-	74-	16428
A8 (12)	17/08/03	07:29:20	07:42:23	00:08:43	-----	251-	86-	75-	2682
B8 (20)	17/08/03	07:32:19	07:43:42	00:01:19	-----	201-	24-	79-	99165
D2 (30)	17/08/03	07:34:56	07:47:34	00:03:51	-----	285-	42-	139-	92237
D4 (32)	17/08/03	07:35:57	07:48:10	00:00:35	-----	283-	33-	147-	92236

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A5 (09)	17/08/03	07:42:20	07:55:22	00:07:12	-----	254-	89-	75-	2701
B4 (16)	17/08/03	07:45:28	07:57:06	00:01:44	-----	204-	26-	78-	99154
S4 (119)	17/08/03	07:47:55	07:59:45	00:02:38	-----	218-	41-	72-	16345
A7 (11)	17/08/03	07:54:21	08:07:24	00:07:38	-----	258-	83-	77-	2701
D6 (34)	17/08/03	07:59:06	08:11:34	00:04:09	-----	284-	37-	143-	92240
B3 (15)	17/08/03	07:59:08	08:11:09	00:00:02	-----	209-	30-	77-	99154
A6 (10)	17/08/03	08:07:55	08:20:58	00:09:48	-----	261-	80-	78-	20203
S1 (116)	17/08/03	08:13:34	08:25:46	00:04:48	-----	229-	58-	69-	16346
B2 (14)	17/08/03	08:14:44	08:27:10	00:01:24	-----	217-	37-	76-	99154
D7 (35)	17/08/03	08:17:25	08:29:30	00:02:20	-----	282-	31-	149-	92237
A2 (06)	17/08/03	08:23:59	08:37:02	00:07:31	-----	265-	75-	80-	2701
B1 (13)	17/08/03	08:30:39	08:43:21	00:06:18	-----	222-	43-	75-	99067
A1 (05)	17/08/03	08:32:00	08:45:02	00:01:40	-----	267-	74-	81-	2610
D8 (36)	17/08/03	08:38:27	08:49:40	00:04:38	-----	278-	23-	161-	92193
S2 (113)	17/08/03	08:39:00	08:51:22	00:01:41	-----	239-	75-	69-	16434
B6 (18)	17/08/03	08:45:32	08:58:33	00:07:11	-----	232-	56-	74-	99155
A3 (07)	17/08/03	08:48:13	09:01:15	00:02:41	-----	270-	72-	83-	2702
B7 (19)	17/08/03	09:00:02	09:13:11	00:11:55	-----	237-	64-	74-	99155
D3 (31)	17/08/03	09:01:55	09:09:48	00:03:02	-----	264-	11-	191-	92150
A4 (08)	17/08/03	09:03:24	09:16:26	00:06:37	-----	274-	71-	87-	2702
S3 (112)	17/08/03	09:05:16	09:17:42	00:01:16	-----	248-	87-	69-	16429
A8 (12)	17/08/03	09:14:43	09:27:44	00:10:01	-----	276-	71-	89-	2683
B8 (20)	17/08/03	09:16:30	09:29:43	00:01:58	-----	242-	72-	74-	99166
D2 (30)	17/08/03	09:22:06	09:29:40	00:00:02	-----	262-	10-	193-	92238
D4 (32)	17/08/03	09:24:20	09:28:48	00:00:05	-----	248-	7-	212-	92237
A5 (09)	17/08/03	09:27:44	09:40:44	00:11:55	-----	278-	72-	91-	2702
B4 (16)	17/08/03	09:29:48	09:43:03	00:02:18	-----	244-	76-	74-	99155
S4 (119)	17/08/03	09:31:16	09:43:40	00:00:37	-----	257-	73-	70-	16346
A7 (11)	17/08/03	09:39:46	09:52:47	00:09:07	-----	280-	74-	94-	2702
B3 (15)	17/08/03	09:43:45	09:57:01	00:04:13	-----	249-	83-	74-	99155
D6 (34)	17/08/03	09:46:44	09:53:03	00:03:05	-----	256-	8-	202-	92241
A6 (10)	17/08/03	09:53:21	10:06:22	00:13:01	00:00:18	281-	77-	97-	20204
S1 (116)	17/08/03	09:57:19	10:09:40	00:03:17	-----	265-	62-	72-	16347
B2 (14)	17/08/03	09:59:39	10:12:57	00:03:17	-----	254-	89-	75-	99155
D7 (35)	17/08/03	10:06:27	10:09:20	00:03:03	-----	246-	6-	216-	92238
A2 (06)	17/08/03	10:09:24	10:22:27	00:13:03	00:00:03	283-	82-	101-	2702
B1 (13)	17/08/03	10:15:48	10:29:06	00:06:38	-----	258-	84-	77-	99068
A1 (05)	17/08/03	10:17:23	10:30:27	00:01:20	-----	284-	84-	103-	2611
S2 (113)	17/08/03	10:23:00	10:35:18	00:04:51	-----	272-	57-	75-	16435
B6 (18)	17/08/03	10:31:00	10:44:18	00:08:59	-----	264-	76-	79-	99156
A3 (07)	17/08/03	10:33:36	10:46:38	00:02:20	-----	285-	89-	108-	2703
B7 (19)	17/08/03	10:45:38	10:58:56	00:12:17	-----	268-	74-	81-	99156
A4 (08)	17/08/03	10:48:44	11:01:44	00:02:48	-----	286-	79-	114-	2703
S3 (112)	17/08/03	10:49:27	11:01:43	00:00:01	-----	278-	54-	79-	16430
A8 (12)	17/08/03	11:00:02	11:13:00	00:11:16	-----	286-	73-	117-	2684
B8 (20)	17/08/03	11:02:12	11:15:29	00:02:29	-----	271-	72-	84-	99167
A5 (09)	17/08/03	11:13:01	11:25:55	00:10:26	-----	286-	67-	121-	2703
S4 (119)	17/08/03	11:15:31	11:27:47	00:01:51	-----	282-	55-	84-	16347
B4 (16)	17/08/03	11:15:33	11:28:50	00:01:03	-----	273-	72-	85-	99156
A7 (11)	17/08/03	11:25:03	11:37:52	00:09:01	-----	286-	60-	125-	2703

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B3 (15)	17/08/03	11:29:33	11:42:50	00:04:58	-----	275-	72-	88-	99156
A6 (10)	17/08/03	11:38:37	11:51:20	00:08:30	-----	286-	54-	129-	20205
S1 (116)	17/08/03	11:41:34	11:53:53	00:02:32	-----	286-	58-	91-	16348
B2 (14)	17/08/03	11:45:31	11:58:48	00:04:55	-----	278-	73-	91-	99156
A2 (06)	17/08/03	11:54:40	12:07:13	00:08:24	-----	285-	45-	136-	2703
T2 (110)	17/08/03	11:58:42	12:03:39	00:03:03	-----	151-	7-	104-	16312
B1 (13)	17/08/03	12:01:40	12:14:58	00:11:19	-----	280-	75-	94-	99069
A1 (05)	17/08/03	12:02:41	12:15:06	00:00:07	-----	284-	41-	139-	2612
S2 (113)	17/08/03	12:07:11	12:19:33	00:04:27	-----	289-	65-	98-	16436
B6 (18)	17/08/03	12:16:52	12:30:11	00:10:37	-----	283-	81-	101-	99157
A3 (07)	17/08/03	12:18:56	12:31:01	00:00:49	-----	283-	34-	145-	2704
C3 (23)	17/08/03	12:28:03	12:37:01	00:06:00	-----	178-	13-	90-	98513
T4 (114)	17/08/03	12:30:08	12:38:51	00:01:50	-----	178-	14-	87-	16315
B7 (19)	17/08/03	12:31:29	12:44:48	00:05:57	-----	284-	86-	104-	99157
S3 (112)	17/08/03	12:33:32	12:45:57	00:01:08	-----	291-	77-	106-	16431
A4 (08)	17/08/03	12:34:11	12:45:46	00:00:01	-----	281-	28-	154-	2704
C1 (21)	17/08/03	12:39:37	12:49:34	00:03:47	-----	186-	16-	86-	98471
A8 (12)	17/08/03	12:45:33	12:56:47	00:07:13	-----	279-	24-	158-	2685
B8 (20)	17/08/03	12:48:02	13:01:19	00:04:32	-----	285-	87-	109-	99168
A5 (09)	17/08/03	12:58:39	13:09:25	00:08:05	-----	277-	21-	164-	2704
S4 (119)	17/08/03	12:59:30	13:11:56	00:02:30	-----	291-	88-	115-	16348
B4 (16)	17/08/03	13:01:22	13:14:40	00:02:44	-----	286-	83-	111-	99157
C7 (27)	17/08/03	13:02:56	13:13:59	00:00:04	-----	197-	22-	81-	98510
T1 (118)	17/08/03	13:04:10	13:14:52	00:00:53	-----	199-	24-	77-	16229
A7 (11)	17/08/03	13:10:52	13:20:57	00:06:04	-----	274-	18-	171-	2704
B3 (15)	17/08/03	13:15:20	13:28:36	00:07:38	-----	286-	77-	115-	99157
A6 (10)	17/08/03	13:24:38	13:34:03	00:05:26	-----	271-	15-	177-	20206
S1 (116)	17/08/03	13:25:29	13:37:48	00:03:45	-----	291-	68-	125-	16349
T3 (105)	17/08/03	13:25:52	13:31:02	00:06:04	-----	151-	7-	103-	15477
B2 (14)	17/08/03	13:31:16	13:44:28	00:13:11	00:00:14	286-	68-	121-	99157
T2 (110)	17/08/03	13:38:04	13:49:45	00:05:17	-----	215-	38-	72-	16313
A2 (06)	17/08/03	13:41:07	13:49:15	00:00:03	-----	265-	12-	187-	2704
B1 (13)	17/08/03	13:47:24	14:00:31	00:11:15	-----	286-	60-	125-	99070
A1 (05)	17/08/03	13:49:23	13:56:45	00:03:04	-----	262-	10-	194-	2613
S2 (113)	17/08/03	13:51:05	14:03:11	00:06:25	-----	290-	51-	135-	16437
B6 (18)	17/08/03	14:02:36	14:15:26	00:12:15	-----	285-	46-	135-	99158
A3 (07)	17/08/03	14:06:30	14:11:35	00:03:05	-----	251-	7-	209-	2705
C3 (23)	17/08/03	14:10:51	14:23:44	00:12:09	-----	227-	49-	74-	98514
T4 (114)	17/08/03	14:11:24	14:23:36	00:00:08	-----	229-	56-	70-	16316
B7 (19)	17/08/03	14:17:15	14:29:51	00:06:15	-----	284-	40-	140-	99158
S3 (112)	17/08/03	14:17:29	14:29:09	00:00:04	-----	287-	37-	145-	16432
C1 (21)	17/08/03	14:22:56	14:35:58	00:06:48	-----	232-	56-	74-	98472
B8 (20)	17/08/03	14:33:50	14:46:06	00:10:08	-----	283-	34-	147-	99169
S4 (119)	17/08/03	14:43:36	14:54:35	00:08:29	-----	283-	27-	157-	16349
T1 (118)	17/08/03	14:46:39	14:59:02	00:04:26	-----	243-	83-	69-	16230
C7 (27)	17/08/03	14:46:54	15:00:04	00:01:02	-----	239-	68-	74-	98511
B4 (16)	17/08/03	14:47:13	14:59:18	00:00:04	-----	282-	31-	150-	99158
B3 (15)	17/08/03	15:01:16	15:12:58	00:11:42	00:01:57	280-	27-	155-	99158
T3 (105)	17/08/03	15:05:57	15:18:02	00:05:03	-----	214-	38-	72-	15478
S1 (116)	17/08/03	15:09:54	15:19:40	00:01:38	-----	277-	18-	172-	16350

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B2 (14)	17/08/03	15:17:21	15:28:25	00:08:45	-----	277-	22-	163-	99158
T2 (110)	17/08/03	15:21:18	15:33:42	00:05:16	-----	255-	76-	69-	16314
G2 (04)	17/08/03	15:25:10	15:29:04	00:04:03	-----	77-	6-	114-	1316
B1 (13)	17/08/03	15:33:41	15:44:05	00:10:24	00:04:37	274-	18-	170-	99071
S2 (113)	17/08/03	15:36:04	15:44:04	00:00:01	-----	268-	12-	188-	16438
B6 (18)	17/08/03	15:49:26	15:58:01	00:08:34	00:05:22	266-	12-	185-	99159
T4 (114)	17/08/03	15:55:09	16:07:29	00:09:28	-----	265-	63-	72-	16317
C3 (23)	17/08/03	15:56:10	16:09:29	00:01:59	-----	261-	80-	78-	98515
S3 (112)	17/08/03	16:03:42	16:08:23	00:01:05	-----	252-	7-	212-	16433
B7 (19)	17/08/03	16:04:34	16:11:44	00:03:21	-----	260-	10-	196-	99159
C1 (21)	17/08/03	16:08:24	16:21:42	00:09:57	-----	264-	76-	79-	98473
B8 (20)	17/08/03	16:22:06	16:26:49	00:04:42	00:00:23	249-	7-	211-	99170
T1 (118)	17/08/03	16:30:44	16:43:00	00:12:16	00:03:55	274-	55-	77-	16231
C7 (27)	17/08/03	16:32:33	16:45:50	00:02:49	-----	269-	73-	82-	98512
B4 (16)	17/08/03	16:36:21	16:39:02	00:06:04	-----	245-	6-	218-	99159
T3 (105)	17/08/03	16:50:00	17:02:50	00:12:50	00:10:57	254-	77-	69-	15479
G2 (04)	17/08/03	17:00:22	17:12:34	00:09:44	-----	32-	58-	195-	1317
T2 (110)	17/08/03	17:05:32	17:17:47	00:05:13	-----	281-	54-	83-	16315
T4 (114)	17/08/03	17:39:23	17:51:41	00:12:17	00:21:36	286-	58-	91-	16318
C3 (23)	17/08/03	17:42:03	17:55:22	00:03:41	-----	281-	77-	97-	98516
C1 (21)	17/08/03	17:54:17	18:07:36	00:12:13	-----	283-	81-	101-	98474
K3 (103)	17/08/03	18:00:32	18:06:41	00:00:05	-----	161-	9-	102-	15344
T1 (118)	17/08/03	18:14:52	18:27:16	00:12:23	00:08:11	290-	69-	101-	16232
C7 (27)	17/08/03	18:18:24	18:31:42	00:04:26	-----	285-	89-	107-	98513
K9 (109)	17/08/03	18:25:53	18:34:55	00:03:13	-----	181-	15-	85-	15344
T3 (105)	17/08/03	18:35:05	18:47:47	00:12:42	00:00:09	281-	55-	83-	15480
G2 (04)	17/08/03	18:39:17	18:49:54	00:02:07	-----	11-	24-	251-	1318
T2 (110)	17/08/03	18:49:32	19:01:58	00:12:03	-----	291-	88-	112-	16316
K7 (107)	17/08/03	18:49:58	19:00:19	00:01:03	-----	194-	21-	79-	15344
K4 (104)	17/08/03	18:50:45	19:00:27	00:00:07	-----	185-	18-	82-	15516
K6 (106)	17/08/03	19:14:16	19:25:29	00:11:13	00:13:48	205-	30-	74-	16243
T4 (114)	17/08/03	19:23:19	19:35:38	00:10:08	-----	291-	69-	124-	16319
C3 (23)	17/08/03	19:27:47	19:40:48	00:05:10	-----	286-	54-	130-	98517
C1 (21)	17/08/03	19:40:01	19:52:51	00:12:02	-----	285-	46-	135-	98475
K3 (103)	17/08/03	19:40:29	19:52:19	00:00:03	-----	218-	41-	72-	15345
T1 (118)	17/08/03	19:58:47	20:10:44	00:11:56	00:06:27	289-	45-	139-	16233
C7 (27)	17/08/03	20:04:10	20:16:38	00:05:54	-----	284-	37-	143-	98514
K9 (109)	17/08/03	20:07:20	20:19:34	00:02:55	-----	231-	60-	69-	15345
T3 (105)	17/08/03	20:19:58	20:32:49	00:12:51	00:00:23	291-	88-	112-	15481
K7 (107)	17/08/03	20:32:12	20:44:34	00:11:45	-----	240-	77-	69-	15345
K4 (104)	17/08/03	20:32:44	20:44:57	00:00:22	-----	235-	68-	69-	15517
T2 (110)	17/08/03	20:33:35	20:44:46	00:00:01	-----	284-	29-	154-	16317
K6 (106)	17/08/03	20:57:06	21:09:31	00:12:24	00:12:20	249-	86-	69-	16244
T4 (114)	17/08/03	21:07:43	21:17:32	00:08:01	-----	277-	18-	171-	16320
C3 (23)	17/08/03	21:14:17	21:24:00	00:06:27	-----	271-	15-	177-	98518
K3 (103)	17/08/03	21:23:51	21:36:14	00:12:13	-----	257-	72-	70-	15346
C1 (21)	17/08/03	21:26:50	21:35:27	00:00:04	-----	267-	12-	185-	98476
T1 (118)	17/08/03	21:44:08	21:51:04	00:06:56	00:08:41	263-	10-	196-	16234
K9 (109)	17/08/03	21:51:08	22:03:28	00:12:19	00:00:04	266-	61-	72-	15346
C7 (27)	17/08/03	21:51:51	21:58:04	00:05:02	-----	256-	8-	202-	98515

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
T3 (105)	17/08/03	22:04:51	22:16:29	00:11:38	00:06:46	285-	30-	153-	15482
K7 (107)	17/08/03	22:16:14	22:28:31	00:12:01	-----	272-	56-	75-	15346
K4 (104)	17/08/03	22:16:45	22:28:58	00:00:26	-----	269-	58-	74-	15518
K6 (106)	17/08/03	22:41:17	22:53:32	00:12:14	00:12:19	278-	54-	80-	16245
K3 (103)	17/08/03	23:08:05	23:20:21	00:12:15	00:14:33	283-	55-	85-	15347
K9 (109)	17/08/03	23:35:22	23:47:40	00:12:17	00:15:01	287-	59-	92-	15347
D3 (31)	17/08/03	23:40:00	23:49:38	00:01:57	-----	183-	15-	87-	92159
D2 (30)	17/08/03	23:59:56	00:09:45	00:09:49	00:10:18	185-	16-	86-	92247
K7 (107)	17/08/04	00:00:24	00:12:46	00:03:00	-----	289-	66-	99-	15347
D4 (32)	17/08/04	00:00:26	00:11:25	00:01:02	-----	195-	21-	81-	92246
K4 (104)	17/08/04	00:01:03	00:13:18	00:01:52	-----	288-	62-	95-	15519
D6 (34)	17/08/04	00:23:40	00:34:06	00:10:25	00:10:22	190-	18-	84-	92250
K6 (106)	17/08/04	00:25:22	00:37:46	00:03:40	-----	291-	77-	106-	16246
D7 (35)	17/08/04	00:41:21	00:52:32	00:11:11	00:03:34	198-	22-	80-	92247
K3 (103)	17/08/04	00:52:05	01:04:28	00:11:56	-----	291-	87-	115-	15348
D8 (36)	17/08/04	01:01:30	01:13:35	00:09:06	-----	210-	31-	76-	92203
G2 (04)	17/08/04	01:04:49	01:13:04	00:00:03	-----	81-	12-	1-	1322
K9 (109)	17/08/04	01:19:17	01:31:34	00:12:16	00:06:13	291-	65-	126-	15348
D3 (31)	17/08/04	01:23:08	01:36:08	00:04:33	-----	230-	53-	74-	92160
D2 (30)	17/08/04	01:43:12	01:56:12	00:13:00	00:07:04	231-	55-	74-	92248
K7 (107)	17/08/04	01:44:18	01:56:21	00:00:09	-----	289-	50-	135-	15348
D4 (32)	17/08/04	01:44:23	01:57:34	00:01:12	-----	238-	66-	74-	92247
K4 (104)	17/08/04	01:45:01	01:57:09	00:00:02	-----	290-	57-	131-	15520
D6 (34)	17/08/04	02:07:16	02:20:21	00:13:05	00:10:06	235-	61-	74-	92251
K6 (106)	17/08/04	02:09:19	02:20:57	00:00:35	-----	287-	36-	146-	16247
D7 (35)	17/08/04	02:25:23	02:38:36	00:13:12	00:04:26	240-	69-	74-	92248
K3 (103)	17/08/04	02:36:11	02:47:07	00:08:31	-----	283-	26-	158-	15349
G2 (04)	17/08/04	02:40:10	02:52:46	00:05:39	-----	138-	59-	339-	1323
D8 (36)	17/08/04	02:46:09	02:59:26	00:06:39	-----	249-	84-	74-	92204
K9 (109)	17/08/04	03:03:46	03:13:18	00:09:31	00:04:19	276-	17-	174-	15349
D3 (31)	17/08/04	03:08:34	03:21:51	00:08:33	-----	263-	77-	79-	92161
D2 (30)	17/08/04	03:28:39	03:41:55	00:13:16	00:06:47	264-	76-	79-	92249
K7 (107)	17/08/04	03:29:21	03:37:09	00:04:04	-----	268-	12-	190-	15349
K4 (104)	17/08/04	03:29:51	03:38:33	00:01:23	-----	272-	14-	182-	15521
D4 (32)	17/08/04	03:30:04	03:43:22	00:04:48	-----	269-	73-	82-	92248
A7 (11)	17/08/04	03:48:26	03:53:41	00:05:15	00:05:03	154-	7-	106-	2713
D6 (34)	17/08/04	03:52:49	04:06:06	00:12:24	-----	266-	74-	80-	92252
K6 (106)	17/08/04	03:55:36	04:00:06	00:05:05	-----	251-	7-	213-	16248
A6 (10)	17/08/04	04:01:02	04:07:54	00:06:52	00:00:55	165-	9-	101-	20215
D7 (35)	17/08/04	04:11:04	04:24:21	00:13:16	00:03:10	270-	72-	83-	92249
A2 (06)	17/08/04	04:15:58	04:24:35	00:00:13	-----	177-	13-	91-	2713
G2 (04)	17/08/04	04:19:45	04:30:40	00:06:04	-----	196-	22-	314-	1324
A1 (05)	17/08/04	04:23:33	04:32:45	00:02:05	-----	181-	14-	89-	2622
D8 (36)	17/08/04	04:31:58	04:45:15	00:12:30	-----	275-	71-	88-	92205
A3 (07)	17/08/04	04:39:04	04:49:17	00:04:01	-----	190-	18-	84-	2714
A4 (08)	17/08/04	04:53:32	05:04:39	00:11:07	00:04:15	199-	23-	80-	2714
D3 (31)	17/08/04	04:54:27	05:07:44	00:03:05	-----	282-	79-	99-	92162
A8 (12)	17/08/04	05:04:34	05:16:02	00:08:17	-----	204-	26-	78-	2695
D2 (30)	17/08/04	05:14:32	05:27:49	00:11:46	-----	283-	80-	100-	92250
D4 (32)	17/08/04	05:15:58	05:29:16	00:01:27	-----	284-	88-	106-	92249

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A5 (09)	17/08/04	05:17:20	05:29:05	00:00:01	-----	207-	30-	77-	2714
A7 (11)	17/08/04	05:29:03	05:41:12	00:12:06	-----	215-	35-	76-	2714
S1 (116)	17/08/04	05:37:45	05:42:42	00:01:30	-----	151-	7-	104-	16359
D6 (34)	17/08/04	05:38:42	05:51:59	00:09:17	-----	284-	84-	103-	92253
A6 (10)	17/08/04	05:42:26	05:54:48	00:02:48	-----	219-	39-	75-	20216
D7 (35)	17/08/04	05:56:55	06:10:13	00:13:17	00:02:07	285-	90-	107-	92250
A2 (06)	17/08/04	05:58:15	06:10:52	00:00:39	-----	226-	47-	74-	2714
S2 (113)	17/08/04	06:01:25	06:09:29	00:01:02	-----	173-	12-	91-	16447
A1 (05)	17/08/04	06:06:08	06:18:52	00:09:22	-----	229-	51-	74-	2623
B1 (13)	17/08/04	06:14:37	06:21:01	00:02:09	-----	162-	9-	104-	99080
D8 (36)	17/08/04	06:17:46	06:31:01	00:10:00	-----	286-	76-	116-	92206
A3 (07)	17/08/04	06:22:13	06:35:05	00:04:03	-----	235-	60-	74-	2715
S3 (112)	17/08/04	06:26:33	06:36:24	00:01:19	-----	189-	18-	81-	16442
B6 (18)	17/08/04	06:28:04	06:37:10	00:00:46	-----	179-	14-	89-	99168
A4 (08)	17/08/04	06:37:13	06:50:13	00:13:00	00:00:02	241-	71-	74-	2715
D3 (31)	17/08/04	06:40:12	06:53:03	00:02:50	-----	286-	49-	133-	92163
B7 (19)	17/08/04	06:42:02	06:52:05	00:00:05	-----	187-	17-	85-	99168
A8 (12)	17/08/04	06:48:29	07:01:30	00:09:25	-----	245-	77-	74-	2696
S4 (119)	17/08/04	06:51:45	07:02:40	00:01:09	-----	199-	26-	76-	16359
B8 (20)	17/08/04	06:57:58	07:08:51	00:06:10	-----	195-	21-	82-	99179
D2 (30)	17/08/04	07:00:16	07:13:05	00:04:14	-----	285-	47-	134-	92251
A5 (09)	17/08/04	07:01:27	07:14:29	00:01:23	-----	248-	82-	74-	2715
D4 (32)	17/08/04	07:01:47	07:14:16	00:00:01	-----	284-	38-	142-	92250
B4 (16)	17/08/04	07:11:06	07:22:16	00:08:00	-----	198-	23-	80-	99168
A7 (11)	17/08/04	07:13:28	07:26:31	00:04:14	-----	252-	89-	75-	2715
S1 (116)	17/08/04	07:17:06	07:28:49	00:02:17	-----	215-	38-	72-	16360
D6 (34)	17/08/04	07:24:26	07:37:07	00:08:18	-----	285-	43-	138-	92254
B3 (15)	17/08/04	07:24:43	07:36:21	00:00:04	-----	204-	26-	78-	99168
A6 (10)	17/08/04	07:27:02	07:40:05	00:03:43	-----	256-	86-	76-	20217
B2 (14)	17/08/04	07:40:16	07:52:24	00:12:07	00:00:11	209-	32-	76-	99168
S2 (113)	17/08/04	07:42:20	07:54:27	00:02:03	-----	226-	51-	70-	16448
D7 (35)	17/08/04	07:42:43	07:55:06	00:00:38	-----	284-	36-	144-	92251
A2 (06)	17/08/04	07:43:04	07:56:08	00:01:02	-----	260-	80-	77-	2715
A1 (05)	17/08/04	07:51:04	08:04:07	00:07:58	-----	262-	78-	78-	2624
B1 (13)	17/08/04	07:56:08	08:08:36	00:04:28	-----	217-	38-	76-	99081
D8 (36)	17/08/04	08:03:42	08:15:22	00:06:46	-----	280-	26-	156-	92207
A3 (07)	17/08/04	08:07:18	08:20:21	00:04:58	-----	266-	74-	80-	2716
S3 (112)	17/08/04	08:08:28	08:20:48	00:00:27	-----	236-	69-	69-	16443
B6 (18)	17/08/04	08:10:57	08:23:50	00:03:01	-----	227-	50-	74-	99169
A4 (08)	17/08/04	08:22:27	08:35:30	00:11:40	-----	271-	72-	83-	2716
B7 (19)	17/08/04	08:25:25	08:38:27	00:02:57	-----	232-	57-	74-	99169
D3 (31)	17/08/04	08:26:53	08:35:53	00:02:03	-----	268-	13-	183-	92164
A8 (12)	17/08/04	08:33:48	08:46:49	00:10:56	-----	273-	71-	85-	2697
S4 (119)	17/08/04	08:34:21	08:46:46	00:00:02	-----	245-	87-	69-	16360
B8 (20)	17/08/04	08:41:49	08:54:59	00:08:12	-----	238-	65-	74-	99180
A5 (09)	17/08/04	08:46:49	08:59:49	00:04:49	-----	275-	71-	87-	2716
D2 (30)	17/08/04	08:47:02	08:55:47	00:04:01	-----	267-	13-	185-	92252
D4 (32)	17/08/04	08:49:23	08:55:53	00:00:06	-----	258-	9-	200-	92251
B4 (16)	17/08/04	08:55:08	09:08:20	00:12:26	-----	240-	69-	74-	99169
A7 (11)	17/08/04	08:58:52	09:11:53	00:03:32	-----	277-	72-	90-	2716

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
S1 (116)	17/08/04	09:00:20	09:12:45	00:00:52	-----	255-	76-	69-	16361
B3 (15)	17/08/04	09:09:04	09:22:18	00:09:32	-----	245-	77-	74-	99169
D6 (34)	17/08/04	09:11:32	09:19:20	00:02:05	-----	263-	11-	192-	92255
A6 (10)	17/08/04	09:12:27	09:25:28	00:06:07	-----	279-	73-	92-	20218
B2 (14)	17/08/04	09:24:57	09:38:14	00:12:46	-----	250-	85-	75-	99169
S2 (113)	17/08/04	09:25:58	09:38:21	00:00:06	-----	262-	65-	71-	16449
A2 (06)	17/08/04	09:28:30	09:41:33	00:03:12	-----	281-	76-	96-	2716
D7 (35)	17/08/04	09:30:32	09:36:20	00:05:01	-----	254-	8-	205-	92252
A1 (05)	17/08/04	09:36:29	09:49:32	00:13:03	00:00:08	282-	78-	98-	2625
B1 (13)	17/08/04	09:41:05	09:54:23	00:04:50	-----	254-	88-	76-	99082
S3 (112)	17/08/04	09:52:24	10:04:43	00:10:20	-----	269-	58-	74-	16444
A3 (07)	17/08/04	09:52:43	10:05:46	00:01:02	-----	284-	83-	103-	2717
B6 (18)	17/08/04	09:56:16	10:09:34	00:03:48	-----	261-	79-	78-	99170
A4 (08)	17/08/04	10:07:50	10:20:53	00:11:18	-----	285-	89-	108-	2717
B7 (19)	17/08/04	10:10:54	10:24:12	00:03:19	-----	265-	76-	80-	99170
S4 (119)	17/08/04	10:18:29	10:30:46	00:06:34	-----	276-	55-	78-	16361
A8 (12)	17/08/04	10:19:09	10:32:10	00:01:23	-----	286-	83-	111-	2698
B8 (20)	17/08/04	10:27:27	10:40:44	00:08:34	-----	268-	73-	82-	99181
A5 (09)	17/08/04	10:32:08	10:45:07	00:04:22	-----	286-	78-	115-	2717
B4 (16)	17/08/04	10:40:49	10:54:05	00:08:58	-----	270-	72-	83-	99170
A7 (11)	17/08/04	10:44:10	10:57:06	00:03:00	-----	286-	70-	119-	2717
S1 (116)	17/08/04	10:44:34	10:56:51	00:00:01	-----	281-	54-	83-	16362
B3 (15)	17/08/04	10:54:49	11:08:05	00:11:14	-----	273-	72-	85-	99170
A6 (10)	17/08/04	10:57:44	11:10:36	00:02:30	-----	286-	64-	123-	20219
S2 (113)	17/08/04	11:10:13	11:22:31	00:11:55	-----	285-	57-	89-	16450
B2 (14)	17/08/04	11:10:47	11:24:04	00:01:32	-----	276-	72-	88-	99170
A2 (06)	17/08/04	11:13:46	11:26:32	00:02:28	-----	286-	54-	129-	2717
A1 (05)	17/08/04	11:21:45	11:34:26	00:07:54	-----	286-	50-	132-	2626
B1 (13)	17/08/04	11:26:56	11:40:14	00:05:47	-----	278-	73-	91-	99083
T4 (114)	17/08/04	11:35:46	11:40:22	00:00:08	-----	149-	7-	105-	16329
S3 (112)	17/08/04	11:36:37	11:48:58	00:08:35	-----	288-	63-	96-	16445
A3 (07)	17/08/04	11:38:00	11:50:26	00:01:28	-----	285-	42-	138-	2718
B6 (18)	17/08/04	11:42:09	11:55:28	00:05:01	-----	282-	78-	98-	99171
A4 (08)	17/08/04	11:53:11	12:05:15	00:09:47	-----	283-	34-	145-	2718
C3 (23)	17/08/04	11:54:11	12:02:00	00:03:01	-----	170-	11-	96-	98527
B7 (19)	17/08/04	11:56:46	12:10:05	00:08:04	-----	283-	82-	101-	99171
S4 (119)	17/08/04	12:02:36	12:15:01	00:04:55	-----	290-	72-	103-	16362
A8 (12)	17/08/04	12:04:32	12:16:22	00:01:21	-----	282-	30-	150-	2699
C1 (21)	17/08/04	12:05:30	12:14:35	00:01:04	-----	179-	14-	89-	98485
T1 (118)	17/08/04	12:08:33	12:17:26	00:02:50	-----	180-	14-	86-	16243
B8 (20)	17/08/04	12:13:18	12:26:36	00:09:09	-----	284-	88-	105-	99182
A5 (09)	17/08/04	12:17:36	12:29:05	00:02:28	-----	280-	27-	155-	2718
B4 (16)	17/08/04	12:26:39	12:39:57	00:10:52	-----	285-	89-	107-	99171
S1 (116)	17/08/04	12:28:35	12:41:01	00:01:03	-----	291-	88-	112-	16363
C7 (27)	17/08/04	12:28:42	12:39:08	00:01:05	-----	190-	18-	83-	98524
A7 (11)	17/08/04	12:29:45	12:40:44	00:01:35	-----	278-	23-	161-	2718
B3 (15)	17/08/04	12:40:37	12:53:55	00:13:11	-----	286-	83-	111-	99171
T2 (110)	17/08/04	12:41:56	12:52:37	00:01:01	-----	199-	24-	77-	16327
A6 (10)	17/08/04	12:43:26	12:53:56	00:01:18	-----	276-	20-	167-	20220
S2 (113)	17/08/04	12:54:10	13:06:32	00:12:22	00:00:13	291-	75-	121-	16451

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B2 (14)	17/08/04	12:56:33	13:09:48	00:03:16	-----	286-	74-	117-	99171
A2 (06)	17/08/04	12:59:46	13:09:21	00:00:02	-----	271-	15-	176-	2718
A1 (05)	17/08/04	13:07:54	13:16:56	00:07:35	-----	269-	14-	181-	2627
B1 (13)	17/08/04	13:12:41	13:25:53	00:08:56	-----	286-	67-	121-	99084
T4 (114)	17/08/04	13:14:57	13:26:37	00:00:44	-----	214-	37-	73-	16330
S3 (112)	17/08/04	13:20:30	13:32:42	00:06:05	-----	290-	56-	131-	16446
A3 (07)	17/08/04	13:24:38	13:32:13	00:00:02	-----	263-	10-	192-	2719
B6 (18)	17/08/04	13:27:53	13:40:52	00:08:38	-----	286-	52-	130-	99172
C3 (23)	17/08/04	13:36:25	13:49:07	00:08:15	-----	222-	43-	75-	98528
A4 (08)	17/08/04	13:40:48	13:45:44	00:03:02	-----	250-	7-	210-	2719
B7 (19)	17/08/04	13:42:30	13:55:19	00:09:34	-----	285-	45-	135-	99172
S4 (119)	17/08/04	13:46:31	13:58:23	00:03:04	-----	288-	42-	141-	16363
C1 (21)	17/08/04	13:48:22	14:01:15	00:02:52	-----	227-	49-	74-	98486
T1 (118)	17/08/04	13:49:56	14:02:08	00:00:52	-----	230-	58-	69-	16244
B8 (20)	17/08/04	13:59:04	14:11:36	00:09:27	-----	284-	38-	141-	99183
C7 (27)	17/08/04	14:12:18	14:25:24	00:13:05	00:00:42	235-	61-	74-	98525
B4 (16)	17/08/04	14:12:26	14:24:49	00:00:03	-----	283-	36-	144-	99172
S1 (116)	17/08/04	14:12:38	14:23:50	00:00:05	-----	284-	29-	154-	16364
T3 (105)	17/08/04	14:21:00	14:32:26	00:08:36	-----	201-	28-	75-	15492
T2 (110)	17/08/04	14:24:24	14:36:47	00:04:21	-----	243-	83-	69-	16328
B3 (15)	17/08/04	14:26:28	14:38:33	00:01:45	-----	282-	31-	150-	99172
S2 (113)	17/08/04	14:38:27	14:48:42	00:10:09	-----	279-	21-	167-	16452
B2 (14)	17/08/04	14:42:31	14:54:04	00:05:21	-----	280-	25-	157-	99172
T4 (114)	17/08/04	14:58:09	15:10:34	00:12:24	00:04:04	254-	77-	69-	16331
B1 (13)	17/08/04	14:58:48	15:09:50	00:00:04	-----	277-	21-	164-	99085
S3 (112)	17/08/04	15:05:16	15:13:57	00:04:07	-----	272-	14-	182-	16447
B6 (18)	17/08/04	15:14:24	15:23:58	00:09:33	00:00:27	271-	15-	178-	99173
C3 (23)	17/08/04	15:21:34	15:34:53	00:10:54	-----	257-	84-	77-	98529
B7 (19)	17/08/04	15:29:23	15:37:50	00:02:57	-----	266-	12-	187-	99173
S4 (119)	17/08/04	15:32:09	15:38:22	00:00:32	-----	260-	9-	201-	16364
C1 (21)	17/08/04	15:33:41	15:47:00	00:08:37	-----	261-	79-	78-	98487
T1 (118)	17/08/04	15:33:42	15:46:02	00:00:05	-----	265-	62-	72-	16245
B8 (20)	17/08/04	15:46:32	15:53:17	00:06:44	00:00:30	259-	9-	198-	99184
C7 (27)	17/08/04	15:57:51	16:11:08	00:13:17	00:04:34	266-	74-	81-	98526
B4 (16)	17/08/04	16:00:18	16:06:00	00:05:08	-----	254-	8-	205-	99173
T3 (105)	17/08/04	16:04:31	16:17:21	00:11:21	-----	246-	89-	69-	15493
T2 (110)	17/08/04	16:08:29	16:20:46	00:03:24	-----	274-	55-	77-	16329
B3 (15)	17/08/04	16:15:44	16:18:08	00:02:03	-----	246-	5-	217-	99173
G2 (04)	17/08/04	16:32:16	16:43:33	00:11:16	00:14:07	40-	30-	174-	1331
T4 (114)	17/08/04	16:42:23	16:54:39	00:11:05	-----	281-	54-	83-	16332
C3 (23)	17/08/04	17:07:27	17:20:46	00:13:18	00:12:48	280-	75-	94-	98530
T1 (118)	17/08/04	17:17:56	17:30:14	00:09:28	-----	287-	59-	92-	16246
C1 (21)	17/08/04	17:19:34	17:32:53	00:02:38	-----	282-	78-	97-	98488
K9 (109)	17/08/04	17:31:15	17:36:45	00:03:52	-----	158-	8-	106-	15358
C7 (27)	17/08/04	17:43:43	17:57:02	00:13:18	00:06:58	284-	84-	103-	98527
T3 (105)	17/08/04	17:49:31	18:02:13	00:05:11	-----	276-	56-	79-	15494
T2 (110)	17/08/04	17:52:38	18:05:01	00:02:47	-----	290-	69-	101-	16330
K7 (107)	17/08/04	17:54:32	18:02:46	00:02:01	-----	175-	13-	90-	15358
K4 (104)	17/08/04	17:56:54	18:04:04	00:01:17	-----	167-	10-	96-	15530
G2 (04)	17/08/04	18:10:35	18:22:20	00:11:45	00:06:30	17-	41-	232-	1332

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K6 (106)	17/08/04	18:18:22	18:28:14	00:05:54	-----	186-	19-	81-	16257
T4 (114)	17/08/04	18:26:24	18:38:49	00:10:35	-----	291-	86-	112-	16333
K3 (103)	17/08/04	18:44:17	18:55:13	00:10:56	00:05:27	200-	26-	76-	15359
C3 (23)	17/08/04	18:53:12	19:06:19	00:11:05	-----	286-	60-	125-	98531
T1 (118)	17/08/04	19:01:50	19:14:09	00:07:49	-----	291-	67-	125-	16247
C1 (21)	17/08/04	19:05:18	19:18:17	00:04:07	-----	286-	53-	130-	98489
K9 (109)	17/08/04	19:10:52	19:22:37	00:04:19	-----	216-	39-	72-	15359
C7 (27)	17/08/04	19:29:28	19:42:09	00:12:41	00:06:50	285-	42-	138-	98528
T3 (105)	17/08/04	19:34:29	19:47:20	00:05:10	-----	290-	75-	105-	15495
K7 (107)	17/08/04	19:35:32	19:47:39	00:00:19	-----	226-	52-	70-	15359
T2 (110)	17/08/04	19:36:32	19:48:29	00:00:49	-----	289-	45-	139-	16331
K4 (104)	17/08/04	19:37:30	19:49:24	00:00:54	-----	222-	46-	71-	15531
G2 (04)	17/08/04	19:50:45	19:56:45	00:06:00	00:01:20	354-	9-	293-	1333
K6 (106)	17/08/04	20:00:18	20:12:37	00:12:19	00:03:33	236-	70-	69-	16258
T4 (114)	17/08/04	20:10:26	20:21:40	00:09:02	-----	285-	30-	153-	16334
K3 (103)	17/08/04	20:26:55	20:39:19	00:12:24	00:05:14	245-	88-	69-	15360
C3 (23)	17/08/04	20:39:28	20:49:56	00:10:27	00:00:09	275-	18-	170-	98532
T1 (118)	17/08/04	20:46:17	20:56:00	00:06:04	-----	277-	18-	172-	16248
C1 (21)	17/08/04	20:51:49	21:01:24	00:05:23	-----	271-	15-	178-	98490
K9 (109)	17/08/04	20:54:09	21:06:33	00:05:08	-----	256-	74-	70-	15360
C7 (27)	17/08/04	21:16:35	21:24:19	00:07:43	00:10:02	263-	11-	191-	98529
K7 (107)	17/08/04	21:19:12	21:31:33	00:07:14	-----	263-	64-	71-	15360
T3 (105)	17/08/04	21:19:16	21:31:28	00:00:04	-----	288-	40-	143-	15496
K4 (104)	17/08/04	21:21:06	21:33:23	00:01:55	-----	260-	68-	70-	15532
T2 (110)	17/08/04	21:21:52	21:28:52	00:04:03	-----	264-	10-	196-	16332
K6 (106)	17/08/04	21:44:15	21:56:32	00:12:17	00:15:22	270-	58-	74-	16259
K3 (103)	17/08/04	22:11:03	22:23:18	00:12:15	00:14:30	276-	55-	78-	15361
K9 (109)	17/08/04	22:38:24	22:50:39	00:12:14	00:15:05	282-	54-	84-	15361
K7 (107)	17/08/04	23:03:27	23:15:44	00:12:16	00:12:48	285-	57-	89-	15361
K4 (104)	17/08/04	23:05:27	23:17:38	00:01:54	-----	284-	55-	87-	15533
T3 (105)	17/08/04	23:05:55	23:12:00	00:05:03	-----	259-	8-	204-	15497
D3 (31)	17/08/04	23:05:58	23:14:41	00:02:40	-----	176-	13-	91-	92173
D2 (30)	17/08/04	23:25:53	23:34:50	00:08:56	00:11:12	178-	13-	90-	92261
D4 (32)	17/08/04	23:26:45	23:37:09	00:02:19	-----	190-	18-	84-	92260
K6 (106)	17/08/04	23:28:27	23:40:47	00:03:37	-----	288-	63-	96-	16260
D6 (34)	17/08/04	23:49:33	23:59:15	00:09:41	00:08:46	184-	15-	87-	92264
K3 (103)	17/08/04	23:55:10	00:07:33	00:08:18	-----	290-	72-	103-	15362
D7 (35)	17/08/05	00:07:07	00:17:44	00:10:11	-----	192-	19-	83-	92261
K9 (109)	17/08/05	00:22:24	00:34:48	00:12:23	00:04:39	291-	90-	113-	15362
D8 (36)	17/08/05	00:27:09	00:38:52	00:04:03	-----	205-	27-	78-	92217
G2 (04)	17/08/05	00:38:44	00:43:37	00:04:45	-----	56-	7-	12-	1336
K7 (107)	17/08/05	00:47:23	00:59:43	00:12:20	00:03:45	291-	73-	122-	15362
D3 (31)	17/08/05	00:48:38	01:01:28	00:01:45	-----	225-	47-	74-	92174
K4 (104)	17/08/05	00:49:30	01:01:48	00:00:20	-----	291-	81-	118-	15534
D2 (30)	17/08/05	01:08:41	01:21:32	00:12:51	00:06:52	227-	48-	74-	92262
D4 (32)	17/08/05	01:10:21	01:23:28	00:01:55	-----	234-	60-	74-	92261
K6 (106)	17/08/05	01:12:20	01:24:30	00:01:02	-----	290-	56-	131-	16261
D6 (34)	17/08/05	01:32:44	01:45:43	00:12:58	00:08:14	230-	54-	74-	92265
K3 (103)	17/08/05	01:39:05	01:50:54	00:05:10	-----	288-	41-	142-	15363
D7 (35)	17/08/05	01:50:48	02:03:57	00:13:02	-----	236-	62-	73-	92262

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
K9 (109)	17/08/05	02:06:28	02:17:33	00:11:05	00:02:31	284-	28-	156-	15363
D8 (36)	17/08/05	02:11:32	02:24:48	00:07:14	-----	245-	78-	74-	92218
G2 (04)	17/08/05	02:12:22	02:24:08	00:00:03	-----	120-	33-	345-	1337
K7 (107)	17/08/05	02:31:41	02:41:49	00:10:07	00:07:32	279-	20-	168-	15363
K4 (104)	17/08/05	02:33:46	02:44:17	00:02:28	-----	281-	23-	163-	15535
D3 (31)	17/08/05	02:33:54	02:47:12	00:02:55	-----	260-	81-	77-	92175
D2 (30)	17/08/05	02:54:00	03:07:16	00:13:16	00:06:47	261-	80-	78-	92263
D4 (32)	17/08/05	02:55:56	03:09:14	00:01:58	-----	266-	75-	80-	92262
K6 (106)	17/08/05	02:57:07	03:05:45	00:03:02	-----	272-	14-	183-	16262
D6 (34)	17/08/05	03:18:10	03:31:27	00:13:16	00:12:25	263-	77-	79-	92266
K3 (103)	17/08/05	03:24:46	03:30:48	00:00:03	-----	259-	8-	203-	15364
A2 (06)	17/08/05	03:36:17	03:43:01	00:06:43	00:05:29	165-	9-	102-	2727
D7 (35)	17/08/05	03:36:24	03:49:41	00:06:40	-----	267-	74-	81-	92263
A1 (05)	17/08/05	03:43:42	03:51:17	00:01:35	-----	170-	10-	97-	2636
G2 (04)	17/08/05	03:50:28	04:02:46	00:11:28	-----	175-	41-	324-	1338
D8 (36)	17/08/05	03:57:18	04:10:35	00:07:49	-----	273-	71-	85-	92219
A3 (07)	17/08/05	03:59:00	04:08:02	00:02:03	-----	180-	14-	89-	2728
A4 (08)	17/08/05	04:13:15	04:23:32	00:10:16	00:05:13	190-	18-	84-	2728
D3 (31)	17/08/05	04:19:48	04:33:05	00:09:32	-----	281-	76-	96-	92176
A8 (12)	17/08/05	04:24:13	04:34:59	00:01:53	-----	195-	21-	82-	2709
A5 (09)	17/08/05	04:36:53	04:48:04	00:11:11	00:01:54	201-	24-	80-	2728
D2 (30)	17/08/05	04:39:53	04:53:09	00:05:04	-----	281-	77-	97-	92264
D4 (32)	17/08/05	04:41:52	04:55:09	00:02:00	-----	284-	83-	102-	92263
A7 (11)	17/08/05	04:48:33	05:00:13	00:05:03	-----	207-	28-	78-	2728
A6 (10)	17/08/05	05:01:54	05:13:50	00:11:56	00:01:41	210-	32-	76-	20230
D6 (34)	17/08/05	05:04:03	05:17:21	00:03:30	-----	283-	80-	99-	92267
A2 (06)	17/08/05	05:17:37	05:29:57	00:12:20	00:00:16	219-	39-	76-	2728
D7 (35)	17/08/05	05:22:16	05:35:34	00:05:36	-----	284-	85-	104-	92264
A1 (05)	17/08/05	05:25:28	05:37:57	00:02:22	-----	222-	42-	75-	2637
S3 (112)	17/08/05	05:31:24	05:38:37	00:00:40	-----	167-	10-	96-	16456
A3 (07)	17/08/05	05:41:30	05:54:11	00:12:41	00:02:52	228-	50-	74-	2729
D8 (36)	17/08/05	05:43:07	05:56:25	00:02:13	-----	286-	83-	112-	92220
B6 (18)	17/08/05	05:54:04	06:02:05	00:05:40	-----	171-	11-	95-	99182
S4 (119)	17/08/05	05:56:01	06:05:18	00:03:13	-----	183-	16-	84-	16373
A4 (08)	17/08/05	05:56:25	06:09:19	00:04:00	-----	235-	60-	74-	2729
D3 (31)	17/08/05	06:05:32	06:18:32	00:09:13	-----	286-	55-	128-	92177
A8 (12)	17/08/05	06:07:41	06:20:38	00:02:05	-----	239-	66-	74-	2710
B7 (19)	17/08/05	06:07:54	06:17:07	00:03:03	-----	180-	14-	89-	99182
A5 (09)	17/08/05	06:20:37	06:33:36	00:12:58	00:03:30	242-	72-	74-	2729
S1 (116)	17/08/05	06:21:01	06:31:42	00:01:05	-----	196-	24-	77-	16374
B8 (20)	17/08/05	06:23:42	06:33:56	00:02:14	-----	188-	17-	84-	99193
D2 (30)	17/08/05	06:25:37	06:38:35	00:04:38	-----	286-	54-	130-	92265
D4 (32)	17/08/05	06:27:39	06:40:21	00:01:46	-----	285-	43-	137-	92264
A7 (11)	17/08/05	06:32:36	06:45:38	00:05:17	-----	247-	80-	74-	2729
B4 (16)	17/08/05	06:36:47	06:47:24	00:01:45	-----	192-	19-	83-	99182
S2 (113)	17/08/05	06:45:59	06:57:27	00:10:02	-----	209-	33-	73-	16462
A6 (10)	17/08/05	06:46:09	06:59:12	00:01:45	-----	250-	86-	75-	20231
D6 (34)	17/08/05	06:49:48	07:02:39	00:03:26	-----	286-	48-	133-	92268
B3 (15)	17/08/05	06:50:21	07:01:32	00:01:07	-----	198-	23-	80-	99182
A2 (06)	17/08/05	07:02:11	07:15:15	00:13:04	00:00:39	255-	87-	76-	2729

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B2 (14)	17/08/05	07:05:49	07:17:37	00:02:21	-----	206-	28-	78-	99182
D7 (35)	17/08/05	07:08:01	07:20:39	00:03:02	-----	285-	41-	139-	92265
A1 (05)	17/08/05	07:10:09	07:23:13	00:02:34	-----	257-	84-	76-	2638
S3 (112)	17/08/05	07:11:53	07:23:52	00:00:39	-----	222-	46-	71-	16457
B1 (13)	17/08/05	07:21:40	07:33:49	00:09:57	-----	210-	33-	76-	99095
A3 (07)	17/08/05	07:26:24	07:39:27	00:05:37	-----	262-	78-	78-	2730
D8 (36)	17/08/05	07:28:59	07:41:02	00:01:34	-----	282-	30-	150-	92221
B6 (18)	17/08/05	07:36:23	07:49:06	00:08:04	-----	223-	44-	75-	99183
S4 (119)	17/08/05	07:37:37	07:49:53	00:00:46	-----	232-	62-	69-	16374
A4 (08)	17/08/05	07:41:31	07:54:35	00:04:42	-----	266-	74-	80-	2730
B7 (19)	17/08/05	07:50:49	08:03:44	00:09:08	-----	228-	50-	74-	99183
D3 (31)	17/08/05	07:51:58	08:01:47	00:01:05	-----	272-	16-	175-	92178
A8 (12)	17/08/05	07:52:52	08:05:54	00:04:06	-----	269-	72-	82-	2711
S1 (116)	17/08/05	08:03:27	08:15:52	00:09:57	-----	243-	82-	69-	16375
A5 (09)	17/08/05	08:05:53	08:18:54	00:03:02	-----	271-	71-	84-	2730
B8 (20)	17/08/05	08:07:11	08:20:15	00:01:21	-----	234-	58-	74-	99194
D2 (30)	17/08/05	08:12:06	08:21:45	00:01:30	-----	271-	15-	177-	92266
D4 (32)	17/08/05	08:14:45	08:22:38	00:00:52	-----	264-	11-	190-	92265
A7 (11)	17/08/05	08:17:56	08:30:58	00:08:19	-----	274-	71-	86-	2730
B4 (16)	17/08/05	08:20:29	08:33:36	00:02:38	-----	236-	62-	74-	99183
S2 (113)	17/08/05	08:29:00	08:41:26	00:07:49	-----	251-	81-	69-	16463
A6 (10)	17/08/05	08:31:32	08:44:33	00:03:07	-----	276-	71-	88-	20232
B3 (15)	17/08/05	08:34:24	08:47:35	00:03:01	-----	240-	70-	74-	99183
D6 (34)	17/08/05	08:36:31	08:45:26	00:02:08	-----	268-	13-	184-	92269
A2 (06)	17/08/05	08:47:36	09:00:38	00:13:02	00:02:09	279-	73-	92-	2730
B2 (14)	17/08/05	08:50:16	09:03:31	00:02:52	-----	246-	79-	74-	99183
D7 (35)	17/08/05	08:55:14	09:02:41	00:00:04	-----	262-	10-	194-	92266
S3 (112)	17/08/05	08:55:23	09:07:46	00:05:05	-----	260-	68-	70-	16458
A1 (05)	17/08/05	08:55:34	09:08:37	00:00:50	-----	280-	74-	94-	2639
B1 (13)	17/08/05	09:06:22	09:19:39	00:11:02	-----	250-	86-	75-	99096