

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

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A2 (06)	17/07/28	08:56:33	09:09:35	00:13:02	11:53:27	243-	75-	57-	2615
B7 (19)	17/07/28	08:56:48	09:06:52	00:02:04	-----	182-	17-	82-	99069
D3 (31)	17/07/28	08:56:49	09:09:45	00:02:53	-----	305-	46-	99-	92064
A1 (05)	17/07/28	09:04:38	09:17:38	00:07:52	-----	246-	68-	56-	2524
S2 (113)	17/07/28	09:07:25	09:18:34	00:00:56	-----	199-	29-	69-	16347
B8 (20)	17/07/28	09:12:49	09:23:51	00:05:16	-----	191-	22-	76-	99080
D4 (32)	17/07/28	09:14:35	09:27:40	00:03:49	-----	305-	56-	107-	92151
D2 (30)	17/07/28	09:16:54	09:29:50	00:02:09	-----	305-	47-	101-	92152
A3 (07)	17/07/28	09:20:51	09:33:44	00:03:53	-----	252-	57-	55-	2616
B4 (16)	17/07/28	09:25:51	09:37:15	00:03:31	-----	195-	24-	74-	99069
S3 (112)	17/07/28	09:33:12	09:45:07	00:07:52	-----	212-	44-	63-	16342
A4 (08)	17/07/28	09:36:15	09:48:58	00:03:50	-----	260-	47-	55-	2616
B3 (15)	17/07/28	09:39:26	09:51:22	00:02:23	-----	201-	29-	71-	99069
D6 (34)	17/07/28	09:40:57	09:54:00	00:02:37	-----	305-	52-	104-	92155
A8 (12)	17/07/28	09:47:34	10:00:09	00:06:10	-----	263-	43-	55-	2597
B2 (14)	17/07/28	09:54:57	10:07:26	00:07:16	-----	209-	38-	67-	99069
S4 (119)	17/07/28	09:58:51	10:11:08	00:03:42	-----	224-	67-	58-	16259
D7 (35)	17/07/28	09:59:19	10:12:28	00:01:19	-----	304-	61-	110-	92152
A5 (09)	17/07/28	10:00:42	10:13:09	00:00:40	-----	267-	39-	55-	2616
B1 (13)	17/07/28	10:10:52	10:23:40	00:10:31	-----	216-	46-	65-	98982
A7 (11)	17/07/28	10:12:52	10:25:11	00:01:30	-----	272-	36-	55-	2616
D8 (36)	17/07/28	10:20:05	10:33:22	00:08:11	-----	302-	83-	121-	92108
S1 (116)	17/07/28	10:24:41	10:37:05	00:03:42	-----	237-	81-	54-	16260
B6 (18)	17/07/28	10:25:42	10:38:53	00:01:47	-----	227-	68-	61-	99070
A6 (10)	17/07/28	10:26:32	10:38:44	00:00:08	-----	275-	33-	56-	20118
B7 (19)	17/07/28	10:40:16	10:53:31	00:13:15	00:01:32	233-	81-	59-	99070
D3 (31)	17/07/28	10:42:33	10:55:27	00:01:56	-----	296-	51-	141-	92065
A2 (06)	17/07/28	10:42:48	10:54:51	00:00:03	-----	281-	30-	57-	2616
S2 (113)	17/07/28	10:50:24	11:02:41	00:07:50	-----	248-	57-	51-	16348
A1 (05)	17/07/28	10:50:58	11:02:56	00:00:15	-----	283-	29-	57-	2525
B8 (20)	17/07/28	10:56:53	11:10:09	00:07:13	-----	239-	84-	58-	99081
D4 (32)	17/07/28	11:00:27	11:12:56	00:02:46	-----	292-	38-	150-	92152
D2 (30)	17/07/28	11:02:37	11:15:29	00:02:33	-----	295-	49-	142-	92153
A3 (07)	17/07/28	11:07:19	11:19:08	00:03:39	-----	287-	28-	59-	2617
B4 (16)	17/07/28	11:10:10	11:23:26	00:04:17	-----	242-	77-	57-	99070
S3 (112)	17/07/28	11:16:58	11:28:58	00:05:31	-----	258-	42-	49-	16343
A4 (08)	17/07/28	11:22:49	11:34:32	00:05:34	-----	292-	27-	62-	2617
B3 (15)	17/07/28	11:24:09	11:37:22	00:02:50	-----	247-	67-	56-	99070
D6 (34)	17/07/28	11:26:43	11:39:24	00:02:01	-----	294-	42-	147-	92156
A8 (12)	17/07/28	11:34:08	11:45:49	00:06:25	-----	294-	27-	64-	2598
B2 (14)	17/07/28	11:40:09	11:53:16	00:07:26	-----	253-	56-	56-	99070
S4 (119)	17/07/28	11:43:14	11:54:51	00:01:35	-----	268-	33-	48-	16260
D7 (35)	17/07/28	11:45:14	11:57:27	00:02:35	-----	290-	33-	154-	92153
A5 (09)	17/07/28	11:47:16	11:58:56	00:01:28	-----	296-	26-	66-	2617
B1 (13)	17/07/28	11:56:25	12:09:25	00:10:29	-----	259-	49-	55-	98983
A7 (11)	17/07/28	11:59:24	12:11:06	00:01:40	-----	299-	27-	69-	2617
D8 (36)	17/07/28	12:06:22	12:17:30	00:06:24	-----	283-	22-	168-	92109
S1 (116)	17/07/28	12:09:37	12:20:47	00:03:17	-----	279-	26-	49-	16261

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
B6 (18)	17/07/28	12:11:49	12:24:33	00:03:45	-----	268-	39-	55-	99071
A6 (10)	17/07/28	12:13:01	12:24:45	00:00:12	-----	300-	27-	71-	20119
B7 (19)	17/07/28	12:26:37	12:39:12	00:12:34	00:01:51	272-	36-	56-	99071
A2 (06)	17/07/28	12:29:10	12:41:03	00:01:51	-----	303-	29-	76-	2617
D3 (31)	17/07/28	12:30:35	12:37:01	00:04:01	-----	259-	9-	204-	92066
S2 (113)	17/07/28	12:35:42	12:46:30	00:09:28	-----	288-	23-	50-	16349
A1 (05)	17/07/28	12:37:16	12:49:13	00:02:42	-----	303-	29-	78-	2526
B8 (20)	17/07/28	12:43:28	12:55:52	00:06:39	-----	277-	33-	57-	99082
D2 (30)	17/07/28	12:50:51	12:56:48	00:00:56	-----	256-	8-	207-	92154
A3 (07)	17/07/28	12:53:27	13:05:33	00:08:44	-----	305-	32-	83-	2618
B4 (16)	17/07/28	12:56:51	13:09:11	00:03:38	-----	280-	32-	57-	99071
S3 (112)	17/07/28	13:02:29	13:12:59	00:03:47	-----	295-	21-	53-	16344
A4 (08)	17/07/28	13:08:45	13:21:02	00:08:03	-----	306-	35-	89-	2618
B3 (15)	17/07/28	13:10:58	13:23:11	00:02:09	-----	283-	30-	58-	99071
D6 (34)	17/07/28	13:16:04	13:19:27	00:03:04	-----	250-	6-	215-	92157
A8 (12)	17/07/28	13:19:58	13:32:22	00:12:24	00:00:31	306-	38-	92-	2599
B2 (14)	17/07/28	13:27:06	13:39:12	00:06:49	-----	288-	28-	60-	99071
S4 (119)	17/07/28	13:28:48	13:39:09	00:00:02	-----	301-	20-	56-	16261
A5 (09)	17/07/28	13:32:59	13:45:29	00:06:19	-----	306-	41-	96-	2618
B1 (13)	17/07/28	13:43:25	13:55:28	00:09:58	-----	291-	28-	62-	98984
A7 (11)	17/07/28	13:45:00	13:57:38	00:02:10	-----	306-	46-	100-	2618
S1 (116)	17/07/28	13:55:04	14:05:28	00:07:49	-----	307-	20-	63-	16262
A6 (10)	17/07/28	13:58:30	14:11:16	00:05:48	-----	305-	51-	104-	20120
B6 (18)	17/07/28	13:58:50	14:10:51	00:00:02	-----	297-	27-	67-	99072
C3 (23)	17/07/28	14:08:23	14:15:34	00:04:42	-----	160-	9-	96-	98428
T2 (110)	17/07/28	14:08:47	14:15:24	00:00:01	-----	158-	9-	94-	16226
B7 (19)	17/07/28	14:13:35	14:25:38	00:10:14	-----	299-	28-	70-	99072
A2 (06)	17/07/28	14:14:32	14:27:27	00:01:48	-----	304-	62-	111-	2618
C1 (21)	17/07/28	14:20:15	14:29:07	00:01:39	-----	172-	13-	87-	98386
S2 (113)	17/07/28	14:20:54	14:31:31	00:02:24	-----	310-	22-	69-	16350
A1 (05)	17/07/28	14:22:35	14:35:33	00:04:02	-----	304-	68-	114-	2527
B8 (20)	17/07/28	14:30:21	14:42:28	00:06:54	-----	301-	29-	74-	99083
A3 (07)	17/07/28	14:38:41	14:51:42	00:09:13	-----	303-	82-	120-	2619
T4 (114)	17/07/28	14:40:36	14:50:23	00:01:01	-----	183-	18-	77-	16229
C7 (27)	17/07/28	14:43:11	14:53:42	00:03:18	-----	185-	19-	79-	98425
B4 (16)	17/07/28	14:43:41	14:55:51	00:02:09	-----	302-	29-	76-	99072
S3 (112)	17/07/28	14:47:21	14:58:18	00:02:26	-----	312-	24-	78-	16345
A4 (08)	17/07/28	14:53:57	15:06:54	00:08:35	-----	300-	79-	128-	2619
B3 (15)	17/07/28	14:57:41	15:09:58	00:03:04	-----	303-	31-	79-	99072
A8 (12)	17/07/28	15:05:09	15:18:03	00:08:04	-----	299-	69-	132-	2600
S4 (119)	17/07/28	15:13:19	15:24:40	00:06:36	-----	312-	29-	86-	16262
B2 (14)	17/07/28	15:13:40	15:26:06	00:01:26	-----	304-	33-	84-	99072
T1 (118)	17/07/28	15:14:51	15:26:21	00:00:14	-----	204-	34-	66-	16143
A5 (09)	17/07/28	15:18:11	15:30:58	00:04:36	-----	297-	59-	137-	2619
B1 (13)	17/07/28	15:29:51	15:42:27	00:11:29	-----	305-	36-	89-	98985
A7 (11)	17/07/28	15:30:14	15:42:49	00:00:21	-----	295-	48-	143-	2619
S1 (116)	17/07/28	15:39:14	15:51:01	00:08:12	-----	312-	36-	97-	16263
A6 (10)	17/07/28	15:43:49	15:56:11	00:05:09	-----	293-	41-	147-	20121
B6 (18)	17/07/28	15:45:00	15:57:53	00:01:42	-----	305-	44-	97-	99073
T2 (110)	17/07/28	15:49:00	16:01:14	00:03:20	-----	221-	60-	59-	16227

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
C3 (23)	17/07/28	15:50:17	16:03:18	00:02:04	-----	220-	54-	63-	98429
B7 (19)	17/07/28	15:59:38	16:12:39	00:09:21	-----	305-	49-	102-	99073
A2 (06)	17/07/28	16:00:00	16:11:54	00:00:04	-----	289-	31-	155-	2619
C1 (21)	17/07/28	16:03:02	16:16:13	00:04:18	-----	227-	67-	61-	98387
S2 (113)	17/07/28	16:04:49	16:16:57	00:00:44	-----	310-	48-	107-	16351
A1 (05)	17/07/28	16:08:08	16:19:47	00:02:49	-----	287-	28-	160-	2528
T3 (105)	17/07/28	16:08:13	16:18:29	00:01:01	-----	184-	19-	76-	15392
B8 (20)	17/07/28	16:16:16	16:29:24	00:10:54	-----	305-	57-	108-	99084
T4 (114)	17/07/28	16:22:36	16:35:00	00:05:36	-----	236-	83-	54-	16230
A3 (07)	17/07/28	16:24:30	16:35:22	00:00:22	-----	283-	22-	168-	2620
C7 (27)	17/07/28	16:26:55	16:40:12	00:04:49	-----	236-	88-	59-	98426
B4 (16)	17/07/28	16:29:32	16:42:44	00:02:32	-----	304-	62-	111-	99073
S3 (112)	17/07/28	16:31:06	16:43:27	00:00:42	-----	308-	67-	118-	16346
G2 (04)	17/07/28	16:36:26	16:48:29	00:05:02	-----	33-	50-	189-	1231
A4 (08)	17/07/28	16:40:12	16:49:49	00:01:19	-----	276-	16-	180-	2620
B3 (15)	17/07/28	16:43:28	16:56:44	00:06:55	-----	303-	71-	115-	99073
A8 (12)	17/07/28	16:51:43	17:00:29	00:03:44	-----	271-	13-	187-	2601
S4 (119)	17/07/28	16:57:01	17:09:24	00:08:54	-----	305-	86-	128-	16263
T1 (118)	17/07/28	16:58:10	17:10:20	00:00:56	-----	252-	50-	50-	16144
B2 (14)	17/07/28	16:59:22	17:12:40	00:02:20	-----	302-	86-	122-	99073
A5 (09)	17/07/28	17:05:11	17:12:47	00:00:07	-----	265-	10-	195-	2620
B1 (13)	17/07/28	17:15:31	17:28:48	00:13:17	00:02:43	300-	80-	128-	98986
A7 (11)	17/07/28	17:18:04	17:23:37	00:05:01	-----	255-	8-	208-	2620
S1 (116)	17/07/28	17:23:00	17:35:08	00:11:31	-----	300-	55-	141-	16264
B6 (18)	17/07/28	17:30:41	17:43:44	00:08:36	-----	297-	56-	138-	99074
T2 (110)	17/07/28	17:33:15	17:44:58	00:01:13	-----	266-	35-	49-	16228
C3 (23)	17/07/28	17:36:06	17:49:00	00:04:02	-----	263-	44-	55-	98430
B7 (19)	17/07/28	17:45:22	17:58:11	00:09:10	-----	295-	46-	144-	99074
S2 (113)	17/07/28	17:48:46	18:00:23	00:02:11	-----	294-	36-	153-	16352
C1 (21)	17/07/28	17:49:09	18:01:53	00:01:29	-----	268-	39-	55-	98388
T3 (105)	17/07/28	17:51:06	18:03:55	00:02:02	-----	236-	82-	54-	15393
B8 (20)	17/07/28	18:02:07	18:14:32	00:10:36	-----	291-	36-	151-	99085
T4 (114)	17/07/28	18:07:31	18:18:42	00:04:09	-----	278-	27-	48-	16231
C7 (27)	17/07/28	18:13:23	18:25:53	00:07:11	-----	275-	34-	56-	98427
S3 (112)	17/07/28	18:15:24	18:26:03	00:00:10	-----	287-	23-	167-	16347
B4 (16)	17/07/28	18:15:27	18:27:41	00:01:37	-----	290-	33-	155-	99074
G2 (04)	17/07/28	18:15:31	18:25:38	00:02:02	-----	2-	21-	249-	1232
B3 (15)	17/07/28	18:29:32	18:41:18	00:11:45	00:03:53	287-	27-	161-	99074
S4 (119)	17/07/28	18:41:54	18:50:55	00:09:01	00:00:36	277-	15-	183-	16264
T1 (118)	17/07/28	18:43:35	18:54:13	00:03:17	-----	291-	22-	51-	16145
B2 (14)	17/07/28	18:45:43	18:56:40	00:02:27	-----	282-	21-	170-	99074
B1 (13)	17/07/28	19:02:12	19:12:13	00:10:01	00:05:31	277-	16-	178-	98987
S1 (116)	17/07/28	19:09:11	19:14:55	00:02:41	-----	259-	8-	207-	16265
B6 (18)	17/07/28	19:18:20	19:25:47	00:07:27	00:03:24	264-	10-	197-	99075
T2 (110)	17/07/28	19:18:49	19:29:11	00:03:23	-----	300-	20-	55-	16229
C3 (23)	17/07/28	19:23:08	19:35:10	00:05:58	-----	294-	27-	64-	98431
B7 (19)	17/07/28	19:33:57	19:39:05	00:03:55	-----	252-	7-	212-	99075
C1 (21)	17/07/28	19:36:10	19:48:11	00:09:05	-----	296-	27-	67-	98389
T3 (105)	17/07/28	19:36:53	19:48:30	00:00:19	-----	278-	28-	49-	15394
T4 (114)	17/07/28	19:52:58	20:03:21	00:10:22	00:04:27	307-	20-	62-	16232

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
C7 (27)	17/07/28	20:00:20	20:12:24	00:09:03	-----	300-	28-	72-	98428
K3 (103)	17/07/28	20:10:47	20:18:19	00:05:55	-----	167-	11-	91-	15258
T1 (118)	17/07/28	20:28:38	20:39:23	00:10:44	00:10:18	311-	22-	73-	16146
K9 (109)	17/07/28	20:36:17	20:46:21	00:06:58	-----	184-	20-	75-	15258
K4 (104)	17/07/28	20:53:11	21:03:23	00:10:12	00:06:49	187-	21-	74-	15430
K7 (107)	17/07/28	21:00:37	21:11:49	00:08:26	-----	198-	29-	68-	15258
T2 (110)	17/07/28	21:03:25	21:14:40	00:02:50	-----	312-	27-	84-	16230
C3 (23)	17/07/28	21:09:28	21:22:12	00:07:31	-----	305-	39-	92-	98432
C1 (21)	17/07/28	21:22:20	21:35:13	00:12:53	00:00:08	305-	43-	97-	98390
T3 (105)	17/07/28	21:23:10	21:34:05	00:01:08	-----	306-	21-	64-	15395
K6 (106)	17/07/28	21:25:03	21:36:57	00:02:51	-----	212-	44-	62-	16157
T4 (114)	17/07/28	21:37:09	21:48:54	00:11:44	00:00:12	312-	36-	96-	16233
C7 (27)	17/07/28	21:46:18	21:59:23	00:10:29	-----	305-	52-	105-	98429
K3 (103)	17/07/28	21:51:30	22:03:47	00:04:23	-----	225-	68-	58-	15259
T1 (118)	17/07/28	22:12:28	22:24:43	00:12:14	00:08:41	309-	55-	111-	16147
K9 (109)	17/07/28	22:18:29	22:30:51	00:06:08	-----	238-	78-	54-	15259
K4 (104)	17/07/28	22:35:37	22:47:53	00:12:16	00:04:45	240-	73-	53-	15431
K7 (107)	17/07/28	22:43:40	22:55:54	00:08:01	-----	248-	56-	51-	15259
T2 (110)	17/07/28	22:47:07	22:59:31	00:03:36	-----	305-	87-	126-	16231
C3 (23)	17/07/28	22:55:08	23:08:22	00:08:50	-----	299-	70-	132-	98433
C1 (21)	17/07/28	23:08:01	23:21:05	00:12:43	-----	297-	56-	138-	98391
T3 (105)	17/07/28	23:08:12	23:20:30	00:00:03	-----	311-	39-	98-	15396
K6 (106)	17/07/28	23:08:49	23:20:47	00:00:17	-----	259-	42-	49-	16158
T4 (114)	17/07/28	23:20:54	23:33:03	00:12:09	00:00:07	300-	57-	140-	16234
C7 (27)	17/07/28	23:32:06	23:44:46	00:11:42	-----	293-	41-	147-	98430
K3 (103)	17/07/28	23:35:55	23:47:29	00:02:43	-----	269-	32-	48-	15260
T1 (118)	17/07/28	23:56:32	00:07:50	00:11:17	00:09:02	291-	30-	159-	16148
K9 (109)	17/07/29	00:03:28	00:14:34	00:06:44	-----	280-	26-	49-	15260
K4 (104)	17/07/29	00:20:46	00:31:43	00:10:56	00:06:12	282-	25-	49-	15432
K7 (107)	17/07/29	00:29:00	00:39:44	00:08:01	-----	288-	23-	50-	15260
T2 (110)	17/07/29	00:31:49	00:41:21	00:01:37	-----	280-	17-	178-	16232
C3 (23)	17/07/29	00:42:09	00:51:17	00:09:07	00:00:47	272-	14-	185-	98434
T3 (105)	17/07/29	00:52:50	01:05:24	00:12:34	00:01:33	299-	54-	142-	15397
K6 (106)	17/07/29	00:54:20	01:04:48	00:00:03	-----	296-	21-	53-	16159
C1 (21)	17/07/29	00:55:39	01:03:09	00:01:03	-----	264-	10-	196-	98392
T4 (114)	17/07/29	01:06:59	01:12:58	00:05:59	00:03:49	261-	8-	206-	16235
D3 (31)	17/07/29	01:20:26	01:28:43	00:08:16	00:07:27	170-	12-	91-	92074
K3 (103)	17/07/29	01:21:28	01:31:48	00:03:05	-----	302-	20-	57-	15261
C7 (27)	17/07/29	01:21:35	01:24:40	00:07:07	-----	248-	6-	218-	98431
D4 (32)	17/07/29	01:37:25	01:47:34	00:10:09	00:12:44	183-	17-	81-	92161
D2 (30)	17/07/29	01:40:18	01:48:55	00:01:20	-----	172-	12-	89-	92162
K9 (109)	17/07/29	01:48:53	01:59:17	00:10:21	-----	307-	20-	63-	15261
D6 (34)	17/07/29	02:03:47	02:13:21	00:09:33	00:04:30	179-	15-	84-	92165
K4 (104)	17/07/29	02:06:13	02:16:36	00:03:15	-----	308-	20-	64-	15433
G2 (04)	17/07/29	02:13:13	02:24:02	00:07:25	-----	113-	23-	358-	1237
K7 (107)	17/07/29	02:14:09	02:24:46	00:00:44	-----	310-	22-	70-	15261
D7 (35)	17/07/29	02:21:26	02:32:08	00:07:21	-----	188-	20-	78-	92162
K6 (106)	17/07/29	02:39:11	02:50:08	00:10:56	00:07:03	312-	24-	78-	16160
T3 (105)	17/07/29	02:39:57	02:45:53	00:04:01	-----	260-	8-	207-	15398
D8 (36)	17/07/29	02:41:22	02:53:20	00:07:26	-----	200-	30-	70-	92118

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
D3 (31)	17/07/29	03:02:56	03:16:02	00:13:06	00:09:35	225-	62-	62-	92075
K3 (103)	17/07/29	03:05:58	03:17:19	00:01:16	-----	312-	29-	87-	15262
D4 (32)	17/07/29	03:20:58	03:34:14	00:13:15	00:03:39	233-	82-	59-	92162
D2 (30)	17/07/29	03:22:58	03:36:06	00:01:51	-----	226-	65-	61-	92163
K9 (109)	17/07/29	03:33:01	03:44:50	00:08:44	-----	312-	38-	98-	15262
D6 (34)	17/07/29	03:46:58	04:00:11	00:13:12	00:02:07	230-	75-	60-	92166
K4 (104)	17/07/29	03:50:22	04:02:16	00:02:04	-----	312-	39-	100-	15434
G2 (04)	17/07/29	03:50:30	04:03:01	00:00:45	-----	171-	48-	327-	1238
K7 (107)	17/07/29	03:58:03	04:10:11	00:07:10	-----	310-	49-	108-	15262
D7 (35)	17/07/29	04:05:17	04:18:33	00:08:22	-----	237-	90-	58-	92163
K6 (106)	17/07/29	04:22:56	04:35:16	00:12:19	00:04:22	308-	68-	118-	16161
D8 (36)	17/07/29	04:26:07	04:39:20	00:04:03	-----	247-	66-	56-	92119
D3 (31)	17/07/29	04:48:56	05:01:42	00:12:46	00:09:36	266-	41-	55-	92076
K3 (103)	17/07/29	04:49:39	05:02:01	00:00:19	-----	304-	84-	129-	15263
D4 (32)	17/07/29	05:07:24	05:19:56	00:12:32	00:05:22	273-	35-	56-	92163
D2 (30)	17/07/29	05:09:02	05:21:46	00:01:49	-----	267-	40-	55-	92164
K9 (109)	17/07/29	05:16:47	05:28:52	00:07:06	-----	299-	52-	143-	15263
D6 (34)	17/07/29	05:33:13	05:45:50	00:12:37	00:04:21	270-	37-	55-	92167
K4 (104)	17/07/29	05:34:15	05:46:18	00:00:27	-----	298-	49-	145-	15435
K7 (107)	17/07/29	05:42:01	05:53:34	00:07:15	-----	294-	35-	154-	15263
D7 (35)	17/07/29	05:51:47	06:04:14	00:10:40	-----	276-	34-	56-	92164
A5 (09)	17/07/29	05:53:28	05:59:21	00:04:05	-----	158-	8-	105-	2628
A7 (11)	17/07/29	06:04:19	06:12:10	00:07:51	00:04:57	168-	11-	93-	2628
K6 (106)	17/07/29	06:07:15	06:17:49	00:05:39	-----	287-	23-	168-	16162
D8 (36)	17/07/29	06:12:57	06:25:09	00:07:19	-----	284-	30-	58-	92120
A6 (10)	17/07/29	06:17:10	06:26:10	00:01:01	-----	176-	14-	87-	20130
A2 (06)	17/07/29	06:32:22	06:42:41	00:10:18	00:06:12	186-	18-	79-	2628
K3 (103)	17/07/29	06:34:35	06:43:31	00:00:49	-----	276-	15-	184-	15264
D3 (31)	17/07/29	06:35:59	06:47:56	00:04:25	-----	295-	27-	66-	92077
A1 (05)	17/07/29	06:40:08	06:50:54	00:02:57	-----	190-	21-	76-	2537
D4 (32)	17/07/29	06:54:25	07:06:26	00:12:00	00:03:31	299-	28-	70-	92164
A3 (07)	17/07/29	06:55:46	07:07:16	00:00:50	-----	197-	27-	72-	2629
D2 (30)	17/07/29	06:56:05	07:08:02	00:00:45	-----	296-	27-	66-	92165
K9 (109)	17/07/29	07:03:14	07:08:21	00:00:18	-----	256-	7-	212-	15264
A4 (08)	17/07/29	07:10:31	07:22:43	00:12:11	00:02:10	207-	36-	68-	2629
D6 (34)	17/07/29	07:20:14	07:32:13	00:09:30	-----	298-	27-	68-	92168
K4 (104)	17/07/29	07:21:12	07:25:24	00:06:04	-----	255-	7-	213-	15436
A8 (12)	17/07/29	07:21:34	07:33:59	00:08:34	-----	212-	42-	66-	2610
A5 (09)	17/07/29	07:34:23	07:47:02	00:12:38	00:00:24	218-	49-	64-	2629
D7 (35)	17/07/29	07:38:44	07:50:46	00:03:44	-----	300-	28-	72-	92165
A7 (11)	17/07/29	07:46:15	07:59:06	00:08:19	-----	224-	60-	62-	2629
S1 (116)	17/07/29	07:47:46	07:54:19	00:04:04	-----	161-	9-	97-	16273
D8 (36)	17/07/29	07:59:40	08:11:57	00:12:16	00:05:20	303-	31-	79-	92121
A6 (10)	17/07/29	07:59:42	08:12:39	00:00:41	-----	228-	71-	61-	20131
B6 (18)	17/07/29	08:09:02	08:16:31	00:03:52	-----	165-	10-	96-	99083
S2 (113)	17/07/29	08:11:47	08:21:02	00:04:31	-----	179-	16-	81-	16361
A2 (06)	17/07/29	08:15:40	08:28:42	00:07:40	-----	236-	88-	59-	2629
D3 (31)	17/07/29	08:22:12	08:34:58	00:06:15	-----	306-	41-	95-	92078
B7 (19)	17/07/29	08:22:44	08:31:48	00:03:01	-----	175-	13-	87-	99083
A1 (05)	17/07/29	08:23:43	08:36:45	00:04:57	-----	239-	84-	58-	2538

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
S3 (112)	17/07/29	08:37:07	08:47:53	00:10:46	00:00:21	192-	25-	71-	16356
B8 (20)	17/07/29	08:38:35	08:48:51	00:00:58	-----	184-	18-	80-	99094
A3 (07)	17/07/29	08:39:52	08:52:52	00:04:00	-----	245-	70-	57-	2630
D4 (32)	17/07/29	08:40:29	08:53:28	00:00:36	-----	305-	49-	103-	92165
D2 (30)	17/07/29	08:42:16	08:55:04	00:01:35	-----	306-	42-	96-	92166
B4 (16)	17/07/29	08:51:35	09:02:18	00:07:14	-----	188-	20-	77-	99083
A4 (08)	17/07/29	08:55:12	09:08:06	00:05:47	-----	253-	57-	55-	2630
S4 (119)	17/07/29	09:02:26	09:14:06	00:06:00	-----	206-	37-	64-	16273
B3 (15)	17/07/29	09:05:05	09:16:29	00:02:22	-----	195-	24-	74-	99083
D6 (34)	17/07/29	09:06:20	09:19:15	00:02:46	-----	305-	46-	100-	92169
A8 (12)	17/07/29	09:06:30	09:19:17	00:00:02	-----	257-	51-	55-	2611
A5 (09)	17/07/29	09:19:37	09:32:16	00:12:39	00:00:19	261-	46-	55-	2630
B2 (14)	17/07/29	09:20:32	09:32:36	00:00:20	-----	202-	31-	69-	99083
D7 (35)	17/07/29	09:24:41	09:37:45	00:05:08	-----	305-	53-	106-	92166
S1 (116)	17/07/29	09:27:57	09:40:11	00:02:26	-----	221-	60-	59-	16274
A7 (11)	17/07/29	09:31:46	09:44:17	00:04:06	-----	265-	41-	55-	2630
B1 (13)	17/07/29	09:36:23	09:48:53	00:04:35	-----	209-	39-	67-	98996
A6 (10)	17/07/29	09:45:25	09:57:50	00:08:57	-----	269-	37-	55-	20132
D8 (36)	17/07/29	09:45:27	09:58:43	00:00:53	-----	303-	72-	116-	92122
B6 (18)	17/07/29	09:51:07	10:04:08	00:05:25	-----	222-	57-	63-	99084
S2 (113)	17/07/29	09:53:26	10:05:50	00:01:41	-----	232-	88-	55-	16362
A2 (06)	17/07/29	10:01:41	10:13:55	00:08:04	-----	275-	34-	56-	2630
B7 (19)	17/07/29	10:05:37	10:18:48	00:04:53	-----	228-	69-	61-	99084
D3 (31)	17/07/29	10:07:53	10:20:57	00:02:08	-----	298-	61-	136-	92079
A1 (05)	17/07/29	10:09:50	10:21:59	00:01:02	-----	277-	32-	56-	2539
S3 (112)	17/07/29	10:19:48	10:32:08	00:10:09	-----	244-	65-	52-	16357
B8 (20)	17/07/29	10:22:10	10:35:26	00:03:17	-----	234-	84-	59-	99095
A3 (07)	17/07/29	10:26:11	10:38:10	00:02:44	-----	282-	30-	57-	2631
D4 (32)	17/07/29	10:26:17	10:39:02	00:00:51	-----	294-	45-	145-	92166
D2 (30)	17/07/29	10:27:57	10:41:00	00:01:57	-----	297-	59-	137-	92167
B4 (16)	17/07/29	10:35:27	10:48:43	00:07:44	-----	237-	89-	58-	99084
A4 (08)	17/07/29	10:41:41	10:53:30	00:04:46	-----	288-	28-	59-	2631
S4 (119)	17/07/29	10:45:55	10:58:02	00:04:31	-----	254-	47-	50-	16274
B3 (15)	17/07/29	10:49:24	11:02:40	00:04:38	-----	242-	77-	57-	99084
D6 (34)	17/07/29	10:52:02	11:04:57	00:02:17	-----	296-	50-	142-	92170
A8 (12)	17/07/29	10:53:02	11:04:47	00:00:09	-----	290-	27-	61-	2612
B2 (14)	17/07/29	11:05:22	11:18:34	00:13:11	00:00:34	249-	64-	56-	99084
A5 (09)	17/07/29	11:06:10	11:17:52	00:00:04	-----	293-	27-	62-	2631
D7 (35)	17/07/29	11:10:29	11:23:03	00:05:11	-----	293-	40-	148-	92167
S1 (116)	17/07/29	11:12:11	11:23:55	00:00:51	-----	266-	35-	49-	16275
A7 (11)	17/07/29	11:18:20	11:30:01	00:06:05	-----	296-	26-	65-	2631
B1 (13)	17/07/29	11:21:36	11:34:43	00:04:41	-----	254-	55-	56-	98997
D8 (36)	17/07/29	11:31:32	11:43:15	00:08:32	-----	287-	27-	161-	92123
A6 (10)	17/07/29	11:31:59	11:43:40	00:00:24	-----	298-	27-	67-	20133
B6 (18)	17/07/29	11:36:58	11:49:50	00:06:10	-----	264-	43-	55-	99085
S2 (113)	17/07/29	11:38:13	11:49:32	00:00:01	-----	276-	28-	48-	16363
A2 (06)	17/07/29	11:48:10	11:59:56	00:10:24	-----	300-	27-	71-	2631
B7 (19)	17/07/29	11:51:45	12:04:28	00:04:31	-----	268-	39-	55-	99085
D3 (31)	17/07/29	11:55:15	12:03:22	00:01:06	-----	267-	11-	193-	92080
A1 (05)	17/07/29	11:56:16	12:08:05	00:04:43	-----	301-	28-	73-	2540

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
S3 (112)	17/07/29	12:05:00	12:15:54	00:07:49	-----	285-	24-	49-	16358
B8 (20)	17/07/29	12:08:34	12:21:06	00:05:12	-----	274-	35-	56-	99096
A3 (07)	17/07/29	12:12:30	12:24:25	00:03:18	-----	303-	29-	77-	2632
D4 (32)	17/07/29	12:15:02	12:19:49	00:04:03	-----	251-	7-	213-	92167
D2 (30)	17/07/29	12:15:27	12:23:13	00:03:24	-----	266-	11-	195-	92168
B4 (16)	17/07/29	12:21:58	12:34:25	00:11:11	-----	276-	34-	56-	99085
A4 (08)	17/07/29	12:27:49	12:39:54	00:05:28	-----	305-	32-	83-	2632
S4 (119)	17/07/29	12:31:22	12:41:58	00:02:03	-----	293-	21-	51-	16275
B3 (15)	17/07/29	12:36:05	12:48:25	00:06:27	-----	280-	31-	57-	99085
A8 (12)	17/07/29	12:39:04	12:51:15	00:02:50	-----	305-	34-	86-	2613
D6 (34)	17/07/29	12:40:07	12:46:27	00:04:04	-----	258-	8-	205-	92171
A5 (09)	17/07/29	12:52:05	13:04:23	00:12:18	00:05:37	306-	36-	89-	2632
B2 (14)	17/07/29	12:52:13	13:04:24	00:00:01	-----	284-	29-	59-	99085
S1 (116)	17/07/29	12:57:45	13:08:08	00:03:43	-----	300-	20-	55-	16276
A7 (11)	17/07/29	13:04:06	13:16:34	00:08:25	-----	306-	40-	94-	2632
B1 (13)	17/07/29	13:08:33	13:20:39	00:04:05	-----	288-	28-	60-	98998
A6 (10)	17/07/29	13:17:38	13:30:13	00:09:34	-----	306-	43-	98-	20134
S2 (113)	17/07/29	13:23:43	13:34:05	00:03:51	-----	305-	20-	60-	16364
B6 (18)	17/07/29	13:24:00	13:36:01	00:01:56	-----	294-	27-	65-	99086
A2 (06)	17/07/29	13:33:40	13:46:27	00:10:26	-----	305-	51-	104-	2632
C3 (23)	17/07/29	13:35:05	13:39:58	00:06:02	-----	148-	7-	104-	98442
B7 (19)	17/07/29	13:38:46	13:50:47	00:10:49	-----	297-	27-	67-	99086
A1 (05)	17/07/29	13:41:42	13:54:34	00:03:46	-----	305-	55-	107-	2541
T4 (114)	17/07/29	13:45:49	13:52:07	00:02:02	-----	159-	9-	99-	16243
C1 (21)	17/07/29	13:46:24	13:53:51	00:01:43	-----	165-	10-	96-	98400
S3 (112)	17/07/29	13:50:17	14:00:48	00:06:57	-----	309-	21-	67-	16359
B8 (20)	17/07/29	13:55:32	14:07:35	00:06:46	-----	299-	28-	71-	99097
A3 (07)	17/07/29	13:57:50	14:10:46	00:03:11	-----	304-	66-	113-	2633
B4 (16)	17/07/29	14:08:53	14:20:58	00:10:11	-----	300-	28-	73-	99086
C7 (27)	17/07/29	14:09:04	14:18:42	00:02:01	-----	179-	15-	83-	98439
A4 (08)	17/07/29	14:13:03	14:26:02	00:07:19	-----	302-	82-	120-	2633
S4 (119)	17/07/29	14:16:22	14:27:11	00:01:08	-----	311-	23-	74-	16276
T1 (118)	17/07/29	14:19:01	14:28:57	00:01:46	-----	185-	19-	76-	16157
B3 (15)	17/07/29	14:22:55	14:35:05	00:06:08	-----	302-	29-	76-	99086
A8 (12)	17/07/29	14:24:16	14:37:15	00:02:09	-----	301-	87-	125-	2614
A5 (09)	17/07/29	14:37:16	14:50:12	00:12:56	00:00:01	300-	77-	129-	2633
B2 (14)	17/07/29	14:38:55	14:51:14	00:01:01	-----	304-	31-	81-	99086
S1 (116)	17/07/29	14:42:22	14:53:36	00:02:22	-----	312-	27-	84-	16277
A7 (11)	17/07/29	14:49:18	15:02:08	00:08:31	-----	298-	63-	135-	2633
T2 (110)	17/07/29	14:52:40	15:04:08	00:02:00	-----	203-	34-	66-	16241
B1 (13)	17/07/29	14:55:06	15:07:35	00:03:26	-----	304-	33-	85-	98999
A6 (10)	17/07/29	15:02:52	15:15:34	00:07:59	-----	296-	54-	139-	20135
S2 (113)	17/07/29	15:08:00	15:19:38	00:04:04	-----	312-	33-	93-	16365
B6 (18)	17/07/29	15:10:17	15:23:03	00:03:24	-----	305-	40-	93-	99087
C3 (23)	17/07/29	15:15:52	15:28:40	00:05:36	-----	215-	45-	65-	98443
A2 (06)	17/07/29	15:18:59	15:31:24	00:02:44	-----	293-	42-	147-	2633
T3 (105)	17/07/29	15:23:56	15:32:18	00:00:54	-----	170-	12-	88-	15406
B7 (19)	17/07/29	15:24:55	15:37:49	00:05:31	-----	305-	44-	98-	99087
T4 (114)	17/07/29	15:25:52	15:38:05	00:00:15	-----	220-	58-	59-	16244
A1 (05)	17/07/29	15:27:05	15:39:18	00:01:13	-----	292-	37-	150-	2542

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
C1 (21)	17/07/29	15:28:27	15:41:29	00:02:10	-----	222-	56-	63-	98401
S3 (112)	17/07/29	15:34:17	15:46:18	00:04:48	-----	311-	43-	103-	16360
B8 (20)	17/07/29	15:41:32	15:54:34	00:08:16	-----	305-	51-	103-	99098
A3 (07)	17/07/29	15:43:22	15:55:05	00:00:30	-----	288-	29-	158-	2634
C7 (27)	17/07/29	15:52:17	16:05:31	00:10:26	-----	230-	76-	60-	98440
B4 (16)	17/07/29	15:54:49	16:07:56	00:02:25	-----	305-	54-	106-	99087
A4 (08)	17/07/29	15:58:53	16:09:41	00:01:44	-----	282-	21-	168-	2634
S4 (119)	17/07/29	16:00:10	16:12:27	00:02:46	-----	309-	59-	114-	16277
T1 (118)	17/07/29	16:01:07	16:13:30	00:01:03	-----	237-	80-	54-	16158
G2 (04)	17/07/29	16:08:35	16:19:17	00:05:47	-----	45-	24-	166-	1245
B3 (15)	17/07/29	16:08:46	16:21:58	00:02:41	-----	304-	62-	111-	99087
A8 (12)	17/07/29	16:10:18	16:20:29	00:01:02	-----	279-	18-	174-	2615
A5 (09)	17/07/29	16:23:35	16:33:01	00:09:25	00:03:05	275-	15-	182-	2634
B2 (14)	17/07/29	16:24:40	16:37:57	00:04:55	-----	303-	75-	117-	99087
S1 (116)	17/07/29	16:26:04	16:38:28	00:00:31	-----	305-	87-	126-	16278
T2 (110)	17/07/29	16:35:57	16:48:08	00:09:39	-----	252-	50-	50-	16242
A7 (11)	17/07/29	16:36:06	16:44:15	00:03:05	-----	268-	12-	191-	2634
B1 (13)	17/07/29	16:40:48	16:54:07	00:09:51	-----	302-	88-	123-	99000
A6 (10)	17/07/29	16:50:11	16:57:00	00:02:52	-----	261-	9-	200-	20136
S2 (113)	17/07/29	16:51:43	17:03:59	00:06:59	-----	301-	64-	137-	16366
B6 (18)	17/07/29	16:55:57	17:09:09	00:05:10	-----	299-	67-	133-	99088
C3 (23)	17/07/29	17:01:24	17:14:25	00:05:16	-----	258-	49-	55-	98444
T3 (105)	17/07/29	17:05:42	17:18:27	00:04:01	-----	226-	72-	57-	15407
A2 (06)	17/07/29	17:07:59	17:10:55	00:07:03	-----	247-	6-	218-	2634
T4 (114)	17/07/29	17:10:05	17:21:49	00:10:54	-----	265-	35-	49-	16245
B7 (19)	17/07/29	17:10:37	17:23:38	00:01:49	-----	297-	55-	139-	99088
C1 (21)	17/07/29	17:14:19	17:27:11	00:03:32	-----	263-	43-	55-	98402
S3 (112)	17/07/29	17:18:08	17:30:00	00:02:48	-----	296-	42-	149-	16361
B8 (20)	17/07/29	17:27:18	17:40:02	00:10:02	-----	294-	44-	146-	99099
C7 (27)	17/07/29	17:38:33	17:51:11	00:11:09	-----	271-	37-	55-	98441
B4 (16)	17/07/29	17:40:38	17:53:13	00:02:01	-----	293-	39-	149-	99088
S4 (119)	17/07/29	17:44:19	17:55:22	00:02:09	-----	290-	28-	162-	16278
T1 (118)	17/07/29	17:46:05	17:57:13	00:01:50	-----	279-	26-	49-	16159
G2 (04)	17/07/29	17:46:37	17:58:16	00:01:03	-----	12-	39-	229-	1246
B3 (15)	17/07/29	17:54:41	18:06:54	00:08:37	-----	290-	32-	155-	99088
S1 (116)	17/07/29	18:10:46	18:20:18	00:09:31	00:03:52	280-	17-	178-	16279
B2 (14)	17/07/29	18:10:48	18:22:22	00:02:03	-----	286-	25-	163-	99088
T2 (110)	17/07/29	18:21:21	18:32:01	00:09:38	-----	291-	22-	51-	16243
B1 (13)	17/07/29	18:27:11	18:38:03	00:06:02	-----	281-	20-	171-	99001
S2 (113)	17/07/29	18:37:20	18:44:28	00:06:25	-----	267-	10-	198-	16367
B6 (18)	17/07/29	18:43:03	18:51:54	00:07:25	-----	271-	13-	187-	99089
C3 (23)	17/07/29	18:48:24	19:00:28	00:08:33	-----	291-	28-	62-	98445
T3 (105)	17/07/29	18:51:02	19:03:01	00:02:33	-----	270-	33-	49-	15408
T4 (114)	17/07/29	18:55:38	19:06:01	00:02:59	-----	300-	20-	55-	16246
B7 (19)	17/07/29	18:58:20	19:05:35	00:00:02	-----	263-	10-	198-	99089
C1 (21)	17/07/29	19:01:20	19:13:21	00:07:45	-----	294-	27-	65-	98403
B8 (20)	17/07/29	19:16:13	19:20:32	00:04:19	00:02:51	248-	6-	216-	99100
C7 (27)	17/07/29	19:25:33	19:37:34	00:12:01	00:05:01	298-	27-	69-	98442
T1 (118)	17/07/29	19:31:30	19:41:54	00:04:20	-----	307-	20-	63-	16160
K9 (109)	17/07/29	19:41:18	19:48:17	00:06:22	-----	163-	10-	94-	15272

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K4 (104)	17/07/29	19:59:19	20:06:51	00:07:32	00:11:01	167-	11-	91-	15444
K7 (107)	17/07/29	20:04:56	20:14:18	00:07:26	-----	180-	16-	80-	15272
T2 (110)	17/07/29	20:06:25	20:17:10	00:02:51	-----	311-	22-	72-	16244
K6 (106)	17/07/29	20:28:56	20:39:44	00:10:47	00:11:46	192-	25-	71-	16171
C3 (23)	17/07/29	20:34:52	20:47:27	00:07:43	-----	305-	36-	88-	98446
T3 (105)	17/07/29	20:37:26	20:48:17	00:00:49	-----	302-	21-	59-	15409
T4 (114)	17/07/29	20:40:16	20:51:28	00:03:11	-----	312-	27-	83-	16247
C1 (21)	17/07/29	20:47:38	21:00:23	00:08:54	-----	305-	39-	93-	98404
K3 (103)	17/07/29	20:55:03	21:06:44	00:06:21	-----	207-	38-	64-	15273
C7 (27)	17/07/29	21:11:38	21:24:36	00:12:57	00:04:53	305-	47-	100-	98443
T1 (118)	17/07/29	21:15:39	21:27:28	00:02:51	-----	312-	37-	97-	16161
K9 (109)	17/07/29	21:21:43	21:33:58	00:06:29	-----	223-	63-	59-	15273
K4 (104)	17/07/29	21:40:10	21:52:22	00:12:12	00:06:11	225-	69-	58-	15445
K7 (107)	17/07/29	21:46:41	21:59:04	00:06:41	-----	233-	90-	55-	15273
T2 (110)	17/07/29	21:50:16	22:02:30	00:03:26	-----	309-	55-	111-	16245
K6 (106)	17/07/29	22:11:39	22:23:58	00:12:18	00:09:08	244-	64-	52-	16172
C3 (23)	17/07/29	22:20:32	22:33:50	00:09:52	-----	301-	82-	127-	98447
T3 (105)	17/07/29	22:22:45	22:34:41	00:00:51	-----	312-	31-	89-	15410
T4 (114)	17/07/29	22:23:58	22:36:21	00:01:39	-----	306-	85-	125-	16248
C1 (21)	17/07/29	22:33:18	22:46:29	00:10:08	-----	299-	67-	133-	98405
K3 (103)	17/07/29	22:38:34	22:50:39	00:04:09	-----	255-	46-	50-	15274
C7 (27)	17/07/29	22:57:21	23:10:16	00:12:54	00:06:42	296-	50-	142-	98444
T1 (118)	17/07/29	22:59:25	23:11:33	00:01:17	-----	299-	54-	142-	16162
K9 (109)	17/07/29	23:06:02	23:17:41	00:06:07	-----	267-	34-	48-	15274
K4 (104)	17/07/29	23:24:42	23:36:10	00:11:28	00:07:00	269-	32-	48-	15446
K7 (107)	17/07/29	23:31:29	23:42:45	00:06:34	-----	276-	28-	48-	15274
T2 (110)	17/07/29	23:34:19	23:45:38	00:02:52	-----	291-	31-	158-	16246
K6 (106)	17/07/29	23:56:51	00:07:44	00:10:52	00:11:13	285-	24-	49-	16173
C3 (23)	17/07/30	00:07:11	00:17:20	00:09:36	-----	277-	17-	177-	98448
T3 (105)	17/07/30	00:07:19	00:20:08	00:02:47	-----	303-	78-	132-	15411
T4 (114)	17/07/30	00:08:38	00:18:15	00:01:05	-----	281-	17-	177-	16249
C1 (21)	17/07/30	00:20:23	00:29:16	00:08:53	00:02:08	271-	13-	186-	98406
K3 (103)	17/07/30	00:24:02	00:34:35	00:05:18	-----	293-	21-	51-	15275
C7 (27)	17/07/30	00:45:30	00:51:42	00:06:11	00:10:54	258-	8-	205-	98445
T1 (118)	17/07/30	00:45:41	00:51:14	00:00:02	-----	259-	8-	208-	16163
D3 (31)	17/07/30	00:46:44	00:53:26	00:02:11	-----	161-	9-	100-	92088
K9 (109)	17/07/30	00:51:36	01:01:57	00:08:30	-----	301-	20-	56-	15275
D4 (32)	17/07/30	01:03:54	01:13:07	00:09:12	00:01:57	176-	14-	86-	92175
D2 (30)	17/07/30	01:06:33	01:13:41	00:00:33	-----	163-	9-	98-	92176
K4 (104)	17/07/30	01:10:21	01:20:36	00:06:55	-----	302-	20-	57-	15447
K7 (107)	17/07/30	01:16:58	01:27:19	00:06:43	-----	306-	20-	61-	15275
D6 (34)	17/07/30	01:29:52	01:38:15	00:08:23	00:02:33	171-	12-	90-	92179
K6 (106)	17/07/30	01:42:08	01:52:38	00:10:30	00:03:52	309-	21-	67-	16174
G2 (04)	17/07/30	01:46:33	01:54:45	00:02:07	-----	90-	12-	11-	1251
D7 (35)	17/07/30	01:47:19	01:57:11	00:02:25	-----	181-	16-	82-	92176
T3 (105)	17/07/30	01:53:16	02:02:10	00:05:00	-----	275-	14-	186-	15412
D8 (36)	17/07/30	02:07:04	02:18:32	00:11:28	00:04:53	196-	25-	73-	92132
K3 (103)	17/07/30	02:09:00	02:19:49	00:01:16	-----	311-	23-	75-	15276
D3 (31)	17/07/30	02:28:25	02:41:22	00:12:56	00:08:35	219-	52-	64-	92089
K9 (109)	17/07/30	02:36:10	02:47:26	00:06:04	-----	312-	28-	85-	15276

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
D4 (32)	17/07/30	02:46:55	03:00:07	00:12:41	-----	228-	71-	61-	92176
D2 (30)	17/07/30	02:48:27	03:01:26	00:01:18	-----	221-	55-	63-	92177
K4 (104)	17/07/30	02:54:54	03:06:14	00:04:48	-----	313-	29-	87-	15448
K7 (107)	17/07/30	03:01:13	03:12:53	00:06:38	-----	312-	34-	94-	15276
D6 (34)	17/07/30	03:12:25	03:25:32	00:12:39	-----	225-	63-	62-	92180
G2 (04)	17/07/30	03:21:56	03:34:46	00:09:14	-----	152-	84-	337-	1252
K6 (106)	17/07/30	03:26:07	03:38:08	00:03:21	-----	311-	44-	104-	16175
D7 (35)	17/07/30	03:30:40	03:43:54	00:05:46	-----	232-	78-	60-	92177
D8 (36)	17/07/30	03:51:26	04:04:42	00:13:16	00:07:31	243-	76-	57-	92133
K3 (103)	17/07/30	03:52:48	04:05:04	00:00:22	-----	309-	60-	114-	15277
D3 (31)	17/07/30	04:14:10	04:27:04	00:12:54	00:09:05	261-	45-	55-	92090
K9 (109)	17/07/30	04:19:51	04:32:14	00:05:10	-----	305-	89-	127-	15277
D4 (32)	17/07/30	04:33:08	04:45:49	00:12:40	00:00:54	269-	38-	55-	92177
D2 (30)	17/07/30	04:34:16	04:47:07	00:01:17	-----	263-	44-	55-	92178
K4 (104)	17/07/30	04:38:40	04:51:03	00:03:55	-----	304-	83-	130-	15449
K7 (107)	17/07/30	04:44:57	04:57:11	00:06:07	-----	301-	63-	138-	15277
D6 (34)	17/07/30	04:58:27	05:11:12	00:12:45	00:01:16	266-	40-	55-	92181
G2 (04)	17/07/30	05:03:21	05:11:07	00:00:05	-----	220-	11-	297-	1253
K6 (106)	17/07/30	05:09:59	05:21:48	00:10:40	-----	296-	41-	149-	16176
D7 (35)	17/07/30	05:16:59	05:29:34	00:07:46	-----	272-	36-	55-	92178
A7 (11)	17/07/30	05:25:06	05:30:03	00:00:28	-----	150-	7-	105-	2642
K3 (103)	17/07/30	05:36:57	05:47:58	00:11:00	00:06:54	289-	27-	163-	15278
A6 (10)	17/07/30	05:37:32	05:44:26	00:03:03	-----	163-	9-	99-	20144
D8 (36)	17/07/30	05:38:08	05:50:27	00:06:01	-----	280-	31-	57-	92134
A2 (06)	17/07/30	05:52:23	06:01:18	00:08:55	00:01:56	175-	13-	87-	2642
A1 (05)	17/07/30	06:00:02	06:09:34	00:08:15	-----	180-	15-	83-	2551
D3 (31)	17/07/30	06:01:12	06:13:10	00:03:36	-----	293-	27-	63-	92091
K9 (109)	17/07/30	06:04:39	06:13:56	00:00:45	-----	279-	16-	181-	15278
A3 (07)	17/07/30	06:15:28	06:26:06	00:10:37	00:01:32	189-	20-	77-	2643
D4 (32)	17/07/30	06:20:12	06:32:11	00:06:04	-----	297-	27-	68-	92178
D2 (30)	17/07/30	06:21:18	06:33:16	00:01:04	-----	294-	27-	64-	92179
K4 (104)	17/07/30	06:23:43	06:32:36	00:00:03	-----	276-	14-	185-	15450
A4 (08)	17/07/30	06:30:04	06:41:38	00:09:02	-----	197-	27-	72-	2643
K7 (107)	17/07/30	06:30:40	06:37:33	00:04:04	-----	265-	10-	200-	15278
A8 (12)	17/07/30	06:41:03	06:52:58	00:11:55	00:03:29	203-	32-	69-	2624
D6 (34)	17/07/30	06:45:29	06:57:27	00:04:29	-----	296-	27-	66-	92182
A5 (09)	17/07/30	06:53:49	07:06:03	00:08:35	-----	208-	37-	67-	2643
D7 (35)	17/07/30	07:03:59	07:15:58	00:09:55	-----	298-	27-	69-	92179
A7 (11)	17/07/30	07:05:35	07:18:09	00:02:10	-----	216-	46-	65-	2643
S2 (113)	17/07/30	07:17:27	07:22:20	00:04:10	-----	149-	7-	102-	16375
A6 (10)	17/07/30	07:18:59	07:31:44	00:09:24	-----	221-	54-	63-	20145
D8 (36)	17/07/30	07:24:58	07:37:08	00:05:24	-----	302-	29-	76-	92135
A2 (06)	17/07/30	07:34:52	07:47:49	00:10:40	-----	228-	70-	61-	2643
B6 (18)	17/07/30	07:35:28	07:40:57	00:06:05	-----	153-	7-	103-	99097
S3 (112)	17/07/30	07:41:42	07:50:10	00:08:28	00:00:44	173-	13-	86-	16370
A1 (05)	17/07/30	07:42:52	07:55:52	00:05:42	-----	231-	77-	60-	2552
D3 (31)	17/07/30	07:47:33	08:00:11	00:04:19	-----	305-	38-	91-	92092
B7 (19)	17/07/30	07:48:50	07:56:31	00:03:04	-----	166-	10-	95-	99097
A3 (07)	17/07/30	07:58:58	08:12:01	00:13:02	00:02:27	238-	87-	58-	2644
B8 (20)	17/07/30	08:04:27	08:13:46	00:01:45	-----	177-	14-	85-	99108

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D4 (32)	17/07/30	08:06:23	08:19:15	00:05:28	-----	306-	44-	98-	92179
S4 (119)	17/07/30	08:06:29	08:16:47	00:02:02	-----	189-	21-	74-	16287
D2 (30)	17/07/30	08:07:37	08:20:17	00:03:30	-----	305-	38-	92-	92180
A4 (08)	17/07/30	08:14:12	08:27:13	00:06:56	-----	245-	70-	56-	2644
B4 (16)	17/07/30	08:17:24	08:27:17	00:00:04	-----	181-	16-	82-	99097
A8 (12)	17/07/30	08:25:30	08:38:26	00:11:08	-----	250-	62-	56-	2625
B3 (15)	17/07/30	08:30:48	08:41:33	00:03:07	-----	188-	20-	77-	99097
S1 (116)	17/07/30	08:31:37	08:43:06	00:01:33	-----	203-	34-	66-	16288
D6 (34)	17/07/30	08:31:42	08:44:30	00:01:23	-----	306-	42-	96-	92183
A5 (09)	17/07/30	08:38:34	08:51:24	00:06:54	-----	254-	55-	55-	2644
B2 (14)	17/07/30	08:46:08	08:57:45	00:06:20	-----	197-	26-	72-	99097
D7 (35)	17/07/30	08:50:03	09:03:00	00:05:14	-----	305-	47-	101-	92180
A7 (11)	17/07/30	08:50:41	09:03:25	00:00:25	-----	259-	48-	55-	2644
S2 (113)	17/07/30	08:56:48	09:08:53	00:05:28	-----	217-	51-	61-	16376
B1 (13)	17/07/30	09:01:56	09:14:03	00:05:09	-----	202-	32-	69-	99010
A6 (10)	17/07/30	09:04:20	09:16:57	00:02:53	-----	263-	43-	55-	20146
D8 (36)	17/07/30	09:10:49	09:24:01	00:07:04	-----	304-	63-	111-	92136
B6 (18)	17/07/30	09:16:33	09:29:23	00:05:21	-----	216-	47-	65-	99098
A2 (06)	17/07/30	09:20:34	09:33:01	00:03:37	-----	269-	38-	55-	2644
S3 (112)	17/07/30	09:22:54	09:35:16	00:02:15	-----	228-	78-	56-	16371
A1 (05)	17/07/30	09:28:42	09:41:03	00:05:46	-----	271-	36-	55-	2553
B7 (19)	17/07/30	09:31:01	09:44:04	00:03:00	-----	222-	58-	63-	99098
D3 (31)	17/07/30	09:33:13	09:46:24	00:02:20	-----	300-	73-	131-	92093
A3 (07)	17/07/30	09:45:04	09:57:14	00:10:49	-----	277-	33-	56-	2645
B8 (20)	17/07/30	09:47:30	10:00:42	00:03:28	-----	229-	72-	60-	99109
S4 (119)	17/07/30	09:48:49	10:01:12	00:00:30	-----	240-	74-	53-	16288
D4 (32)	17/07/30	09:52:07	10:05:05	00:03:52	-----	296-	54-	140-	92180
D2 (30)	17/07/30	09:53:17	10:06:27	00:01:22	-----	299-	70-	132-	92181
A4 (08)	17/07/30	10:00:32	10:12:31	00:06:03	-----	282-	30-	57-	2645
B4 (16)	17/07/30	10:00:46	10:14:00	00:01:29	-----	232-	79-	60-	99098
A8 (12)	17/07/30	10:11:55	10:23:47	00:09:47	-----	285-	29-	58-	2626
B3 (15)	17/07/30	10:14:41	10:27:57	00:04:10	-----	237-	88-	58-	99098
S1 (116)	17/07/30	10:14:55	10:27:06	00:00:05	-----	252-	51-	50-	16289
D6 (34)	17/07/30	10:17:23	10:30:28	00:03:21	-----	298-	60-	136-	92184
A5 (09)	17/07/30	10:25:04	10:36:50	00:06:22	-----	288-	28-	60-	2645
B2 (14)	17/07/30	10:30:37	10:43:52	00:07:01	-----	244-	73-	57-	99098
D7 (35)	17/07/30	10:35:46	10:48:36	00:04:44	-----	295-	48-	143-	92181
A7 (11)	17/07/30	10:37:15	10:48:58	00:00:21	-----	292-	27-	62-	2645
S2 (113)	17/07/30	10:40:48	10:52:40	00:03:42	-----	262-	38-	49-	16377
B1 (13)	17/07/30	10:46:49	11:00:00	00:07:19	-----	249-	63-	56-	99011
A6 (10)	17/07/30	10:50:54	11:02:36	00:02:35	-----	294-	27-	63-	20147
D8 (36)	17/07/30	10:56:45	11:08:56	00:06:19	-----	290-	32-	155-	92137
B6 (18)	17/07/30	11:02:08	11:15:08	00:06:11	-----	259-	48-	55-	99099
A2 (06)	17/07/30	11:07:07	11:18:51	00:03:43	-----	297-	27-	67-	2645
S3 (112)	17/07/30	11:07:30	11:18:58	00:00:07	-----	272-	30-	48-	16372
A1 (05)	17/07/30	11:15:14	11:26:58	00:08:00	-----	299-	27-	68-	2554
B7 (19)	17/07/30	11:16:54	11:29:45	00:02:46	-----	264-	43-	55-	99099
D3 (31)	17/07/30	11:20:07	11:29:28	00:00:01	-----	274-	14-	184-	92094
A3 (07)	17/07/30	11:31:31	11:43:18	00:11:47	00:02:02	301-	28-	72-	2646
B8 (20)	17/07/30	11:33:41	11:46:21	00:03:03	-----	269-	38-	55-	99110

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
S4 (119)	17/07/30	11:33:52	11:44:56	00:01:02	-----	281-	25-	49-	16289
D4 (32)	17/07/30	11:40:00	11:46:56	00:02:00	-----	262-	9-	200-	92181
D2 (30)	17/07/30	11:40:17	11:49:22	00:02:26	-----	272-	14-	186-	92182
A4 (08)	17/07/30	11:46:51	11:58:46	00:09:23	-----	303-	29-	77-	2646
B4 (16)	17/07/30	11:47:05	11:59:40	00:00:54	-----	272-	36-	56-	99099
A8 (12)	17/07/30	11:58:07	12:10:08	00:10:27	-----	304-	30-	80-	2627
S1 (116)	17/07/30	12:00:19	12:10:59	00:00:51	-----	291-	22-	51-	16290
B3 (15)	17/07/30	12:01:12	12:13:39	00:02:40	-----	276-	33-	56-	99099
D6 (34)	17/07/30	12:04:47	12:12:49	00:00:04	-----	267-	11-	194-	92185
A5 (09)	17/07/30	12:11:10	12:23:16	00:10:26	-----	305-	32-	84-	2646
B2 (14)	17/07/30	12:17:21	12:29:38	00:06:21	-----	281-	31-	57-	99099
A7 (11)	17/07/30	12:23:12	12:35:28	00:05:49	-----	305-	35-	88-	2646
D7 (35)	17/07/30	12:24:06	12:29:48	00:05:03	-----	255-	8-	208-	92182
S2 (113)	17/07/30	12:26:21	12:36:47	00:06:59	-----	298-	20-	54-	16378
B1 (13)	17/07/30	12:33:40	12:45:51	00:09:04	-----	285-	29-	59-	99012
A6 (10)	17/07/30	12:36:45	12:49:08	00:03:16	-----	306-	37-	91-	20148
B6 (18)	17/07/30	12:49:09	13:01:11	00:12:02	-----	291-	28-	63-	99100
A2 (06)	17/07/30	12:52:48	13:05:24	00:04:13	-----	306-	43-	97-	2646
S3 (112)	17/07/30	12:53:03	13:03:24	00:02:00	-----	304-	20-	58-	16373
A1 (05)	17/07/30	13:00:50	13:13:31	00:10:07	-----	306-	46-	100-	2555
B7 (19)	17/07/30	13:03:56	13:15:56	00:02:25	-----	294-	27-	65-	99100
C1 (21)	17/07/30	13:12:52	13:18:17	00:02:20	-----	152-	7-	103-	98414
A3 (07)	17/07/30	13:16:58	13:29:47	00:11:30	-----	305-	54-	106-	2647
S4 (119)	17/07/30	13:19:15	13:29:42	00:00:05	-----	308-	20-	64-	16290
B8 (20)	17/07/30	13:20:42	13:32:42	00:03:00	-----	297-	27-	68-	99111
T1 (118)	17/07/30	13:24:07	13:30:48	00:01:05	-----	161-	9-	97-	16171
A4 (08)	17/07/30	13:32:11	13:45:06	00:12:55	00:01:22	304-	66-	113-	2647
B4 (16)	17/07/30	13:34:04	13:46:06	00:01:00	-----	299-	28-	70-	99100
C7 (27)	17/07/30	13:35:06	13:43:33	00:02:03	-----	171-	12-	90-	98453
A8 (12)	17/07/30	13:43:24	13:56:22	00:12:48	-----	303-	75-	117-	2628
S1 (116)	17/07/30	13:45:23	13:56:07	00:00:01	-----	311-	22-	72-	16291
B3 (15)	17/07/30	13:48:07	14:00:12	00:04:05	-----	300-	28-	73-	99100
A5 (09)	17/07/30	13:56:23	14:09:22	00:09:09	-----	302-	85-	121-	2647
T2 (110)	17/07/30	13:56:49	14:06:43	00:02:03	-----	185-	19-	76-	16255
B2 (14)	17/07/30	14:04:08	14:16:21	00:09:37	-----	302-	30-	77-	99100
A7 (11)	17/07/30	14:08:24	14:21:22	00:05:00	-----	301-	81-	127-	2647
S2 (113)	17/07/30	14:11:06	14:22:11	00:00:49	-----	312-	26-	81-	16379
B1 (13)	17/07/30	14:20:21	14:32:42	00:10:30	-----	304-	31-	81-	99013
A6 (10)	17/07/30	14:21:57	14:34:51	00:02:09	-----	299-	71-	131-	20149
T4 (114)	17/07/30	14:29:33	14:40:59	00:06:07	-----	202-	33-	66-	16258
B6 (18)	17/07/30	14:35:34	14:48:11	00:07:12	-----	305-	36-	89-	99101
S3 (112)	17/07/30	14:37:26	14:48:57	00:00:45	-----	312-	31-	90-	16374
A2 (06)	17/07/30	14:38:01	14:50:46	00:01:49	-----	297-	55-	139-	2647
T3 (105)	17/07/30	14:40:34	14:45:17	00:05:02	-----	146-	7-	102-	15420
C3 (23)	17/07/30	14:41:31	14:54:00	00:08:42	-----	208-	38-	67-	98457
A1 (05)	17/07/30	14:46:05	14:58:43	00:04:43	-----	295-	49-	142-	2556
B7 (19)	17/07/30	14:50:12	15:02:58	00:04:15	-----	305-	40-	94-	99101
C1 (21)	17/07/30	14:53:55	15:06:44	00:03:46	-----	216-	47-	65-	98415
A3 (07)	17/07/30	15:02:19	15:14:36	00:07:51	-----	292-	38-	149-	2648
S4 (119)	17/07/30	15:03:21	15:15:15	00:00:38	-----	312-	39-	100-	16291

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
T1 (118)	17/07/30	15:04:22	15:16:35	00:01:20	-----	221-	61-	59-	16172
B8 (20)	17/07/30	15:06:49	15:19:44	00:03:08	-----	305-	45-	99-	99112
C7 (27)	17/07/30	15:17:42	15:30:49	00:11:05	-----	225-	64-	62-	98454
A4 (08)	17/07/30	15:17:43	15:29:23	00:01:02	-----	288-	29-	159-	2648
B4 (16)	17/07/30	15:20:07	15:33:07	00:03:44	-----	305-	48-	102-	99101
A8 (12)	17/07/30	15:29:05	15:40:18	00:07:11	-----	285-	24-	164-	2629
S1 (116)	17/07/30	15:29:14	15:41:28	00:01:09	-----	309-	54-	111-	16292
B3 (15)	17/07/30	15:34:03	15:47:10	00:05:42	-----	305-	55-	106-	99101
T2 (110)	17/07/30	15:38:54	15:51:17	00:04:06	-----	237-	80-	54-	16256
G2 (04)	17/07/30	15:41:34	15:49:02	00:02:01	-----	63-	11-	139-	1259
A5 (09)	17/07/30	15:42:15	15:52:55	00:03:52	-----	282-	21-	170-	2648
B2 (14)	17/07/30	15:49:58	16:03:11	00:10:16	-----	304-	65-	112-	99101
A7 (11)	17/07/30	15:54:35	16:04:23	00:01:11	-----	277-	16-	178-	2648
S2 (113)	17/07/30	15:54:49	16:07:12	00:02:49	-----	307-	76-	122-	16380
B1 (13)	17/07/30	16:06:05	16:19:24	00:12:11	-----	303-	76-	118-	99014
A6 (10)	17/07/30	16:08:28	16:17:22	00:02:01	-----	272-	13-	186-	20150
T4 (114)	17/07/30	16:12:48	16:25:00	00:07:37	-----	251-	52-	51-	16259
T3 (105)	17/07/30	16:20:28	16:32:55	00:07:55	-----	215-	49-	61-	15421
S3 (112)	17/07/30	16:21:08	16:33:29	00:00:33	-----	303-	74-	133-	16375
B6 (18)	17/07/30	16:21:14	16:34:30	00:01:01	-----	300-	79-	128-	99102
A2 (06)	17/07/30	16:25:17	16:32:16	00:02:01	-----	262-	9-	198-	2648
C3 (23)	17/07/30	16:26:43	16:39:50	00:07:34	-----	254-	56-	56-	98458
A1 (05)	17/07/30	16:33:50	16:39:37	00:00:01	-----	256-	8-	207-	2557
B7 (19)	17/07/30	16:35:52	16:49:02	00:09:25	-----	299-	66-	134-	99102
C1 (21)	17/07/30	16:39:30	16:52:29	00:03:26	-----	259-	48-	55-	98416
S4 (119)	17/07/30	16:47:09	16:59:11	00:06:42	-----	298-	49-	144-	16292
T1 (118)	17/07/30	16:48:38	17:00:19	00:01:08	-----	266-	34-	49-	16173
B8 (20)	17/07/30	16:52:31	17:05:28	00:05:09	-----	296-	52-	140-	99113
C7 (27)	17/07/30	17:03:44	17:16:30	00:11:01	-----	266-	40-	55-	98455
B4 (16)	17/07/30	17:05:51	17:18:42	00:02:12	-----	295-	47-	143-	99102
S1 (116)	17/07/30	17:13:18	17:24:36	00:05:54	-----	292-	31-	158-	16293
G2 (04)	17/07/30	17:18:01	17:30:19	00:05:42	-----	22-	78-	210-	1260
B3 (15)	17/07/30	17:19:52	17:32:27	00:02:07	-----	292-	39-	149-	99102
T2 (110)	17/07/30	17:23:51	17:35:00	00:02:33	-----	279-	26-	49-	16257
B2 (14)	17/07/30	17:35:56	17:48:00	00:12:03	00:00:56	289-	30-	157-	99102
S2 (113)	17/07/30	17:39:18	17:49:26	00:01:26	-----	284-	20-	173-	16381
B1 (13)	17/07/30	17:52:15	18:03:47	00:11:31	00:02:48	285-	25-	164-	99015
T4 (114)	17/07/30	17:58:11	18:08:51	00:05:04	-----	290-	22-	50-	16260
T3 (105)	17/07/30	18:05:14	18:17:35	00:08:43	-----	260-	41-	50-	15422
S3 (112)	17/07/30	18:06:22	18:14:31	00:03:03	-----	272-	12-	190-	16376
B6 (18)	17/07/30	18:07:56	18:17:53	00:03:22	-----	276-	16-	179-	99103
C3 (23)	17/07/30	18:13:40	18:25:47	00:07:53	-----	288-	28-	60-	98459
B7 (19)	17/07/30	18:23:02	18:31:45	00:05:57	-----	270-	13-	189-	99103
C1 (21)	17/07/30	18:26:30	18:38:32	00:06:47	-----	291-	28-	62-	98417
S4 (119)	17/07/30	18:33:55	18:38:16	00:00:01	-----	252-	7-	216-	16293
T1 (118)	17/07/30	18:34:12	18:44:34	00:06:17	-----	300-	20-	55-	16174
B8 (20)	17/07/30	18:40:25	18:47:11	00:02:37	-----	261-	9-	201-	99114
C7 (27)	17/07/30	18:50:46	19:02:45	00:12:00	00:03:34	296-	27-	66-	98456
B4 (16)	17/07/30	18:54:15	18:59:47	00:02:05	-----	255-	7-	208-	99103
G2 (04)	17/07/30	18:58:15	19:05:27	00:05:39	-----	348-	11-	274-	1261

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
T2 (110)	17/07/30	19:09:17	19:19:41	00:10:24	00:03:49	307-	20-	63-	16258
K7 (107)	17/07/30	19:10:31	19:15:43	00:03:05	-----	154-	7-	100-	15286
K6 (106)	17/07/30	19:33:29	19:42:01	00:08:31	00:17:46	174-	13-	86-	16185
T4 (114)	17/07/30	19:43:17	19:53:58	00:10:41	00:01:15	311-	22-	72-	16261
T3 (105)	17/07/30	19:51:38	20:02:34	00:08:35	-----	296-	21-	55-	15423
K3 (103)	17/07/30	19:59:05	20:09:25	00:06:51	-----	187-	21-	74-	15287
C3 (23)	17/07/30	20:00:15	20:12:42	00:03:17	-----	304-	33-	84-	98460
C1 (21)	17/07/30	20:12:55	20:25:32	00:12:36	00:00:12	305-	36-	89-	98418
T1 (118)	17/07/30	20:18:47	20:30:03	00:04:30	-----	312-	27-	84-	16175
K9 (109)	17/07/30	20:25:21	20:36:55	00:06:52	-----	204-	35-	65-	15287
C7 (27)	17/07/30	20:36:58	20:49:48	00:12:50	00:00:02	305-	42-	96-	98457
K4 (104)	17/07/30	20:45:04	20:56:44	00:06:55	-----	208-	39-	64-	15459
K7 (107)	17/07/30	20:50:01	21:02:07	00:05:23	-----	217-	53-	61-	15287
T2 (110)	17/07/30	20:53:26	21:05:15	00:03:07	-----	312-	37-	97-	16259
K6 (106)	17/07/30	21:14:45	21:27:06	00:12:21	00:09:30	229-	79-	56-	16186
T4 (114)	17/07/30	21:27:08	21:39:20	00:12:11	00:00:02	310-	53-	110-	16262
T3 (105)	17/07/30	21:37:16	21:48:49	00:09:29	-----	311-	27-	81-	15424
K3 (103)	17/07/30	21:41:27	21:53:49	00:05:00	-----	240-	73-	53-	15288
C3 (23)	17/07/30	21:45:57	21:59:16	00:05:27	-----	302-	86-	122-	98461
C1 (21)	17/07/30	21:58:35	22:11:52	00:12:35	-----	300-	79-	128-	98419
T1 (118)	17/07/30	22:02:29	22:14:53	00:03:00	-----	305-	88-	126-	16176
K9 (109)	17/07/30	22:08:44	22:20:52	00:05:59	-----	253-	49-	50-	15288
C7 (27)	17/07/30	22:22:39	22:35:44	00:13:05	00:01:46	298-	60-	137-	98458
K4 (104)	17/07/30	22:28:45	22:40:42	00:04:58	-----	256-	45-	50-	15460
K7 (107)	17/07/30	22:34:04	22:45:53	00:05:10	-----	263-	37-	49-	15288
T2 (110)	17/07/30	22:37:12	22:49:21	00:03:27	-----	300-	55-	141-	16260
K6 (106)	17/07/30	22:59:22	23:10:47	00:11:25	00:10:00	273-	30-	48-	16187
T4 (114)	17/07/30	23:11:10	23:22:31	00:11:20	00:00:22	292-	31-	157-	16263
T3 (105)	17/07/30	23:21:52	23:34:42	00:12:10	-----	307-	77-	122-	15425
K3 (103)	17/07/30	23:26:32	23:37:32	00:02:50	-----	282-	25-	49-	15289
C3 (23)	17/07/30	23:32:19	23:43:17	00:05:44	-----	282-	21-	170-	98462
C1 (21)	17/07/30	23:45:17	23:55:16	00:09:58	00:02:00	277-	16-	178-	98420
T1 (118)	17/07/30	23:47:12	23:56:41	00:01:25	-----	280-	17-	179-	16177
K9 (109)	17/07/30	23:54:10	00:04:46	00:08:05	-----	292-	22-	51-	15289
C7 (27)	17/07/31	00:10:05	00:18:00	00:07:55	00:05:18	267-	11-	193-	98459
D3 (31)	17/07/31	00:13:30	00:17:40	00:00:02	-----	148-	6-	110-	92102
K4 (104)	17/07/31	00:14:19	00:24:46	00:07:06	-----	294-	21-	52-	15461
K7 (107)	17/07/31	00:19:37	00:30:01	00:05:15	-----	298-	20-	54-	15289
T2 (110)	17/07/31	00:23:25	00:29:04	00:00:05	-----	259-	8-	208-	16261
D4 (32)	17/07/31	00:30:32	00:38:32	00:08:00	00:01:27	168-	11-	93-	92189
D2 (30)	17/07/31	00:33:10	00:38:04	00:00:02	-----	149-	7-	105-	92190
K6 (106)	17/07/31	00:44:54	00:55:13	00:10:19	00:06:49	304-	20-	58-	16188
D6 (34)	17/07/31	00:56:10	01:03:00	00:06:49	00:00:57	161-	9-	99-	92193
T3 (105)	17/07/31	01:07:11	01:17:48	00:10:37	00:04:10	285-	21-	171-	15426
K3 (103)	17/07/31	01:11:54	01:22:19	00:04:31	-----	308-	20-	65-	15290
D7 (35)	17/07/31	01:13:20	01:22:08	00:00:01	-----	173-	13-	88-	92190
D8 (36)	17/07/31	01:32:51	01:43:41	00:10:49	00:10:43	189-	20-	77-	92146
K9 (109)	17/07/31	01:39:12	01:49:57	00:06:15	-----	311-	23-	73-	15290
D3 (31)	17/07/31	01:53:56	02:06:40	00:12:43	00:03:59	214-	43-	66-	92103
K4 (104)	17/07/31	01:59:20	02:10:08	00:03:28	-----	312-	23-	76-	15462

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K7 (107)	17/07/31	02:04:20	02:15:26	00:05:17	-----	312-	26-	81-	15290
D4 (32)	17/07/31	02:12:54	02:26:00	00:10:34	-----	223-	60-	62-	92190
D2 (30)	17/07/31	02:13:58	02:26:44	00:00:44	-----	215-	45-	65-	92191
K6 (106)	17/07/31	02:29:16	02:40:46	00:11:30	00:02:31	312-	31-	90-	16189
D6 (34)	17/07/31	02:37:55	02:50:53	00:10:06	-----	220-	53-	63-	92194
G2 (04)	17/07/31	02:53:56	03:06:12	00:12:15	00:03:03	133-	43-	347-	1266
K3 (103)	17/07/31	02:55:58	03:07:52	00:01:39	-----	311-	39-	100-	15291
D7 (35)	17/07/31	02:56:05	03:09:15	00:01:23	-----	226-	66-	61-	92191
D8 (36)	17/07/31	03:16:47	03:30:04	00:13:16	00:07:32	238-	87-	58-	92147
K9 (109)	17/07/31	03:23:01	03:35:16	00:05:11	-----	309-	57-	112-	15291
D3 (31)	17/07/31	03:39:24	03:52:26	00:13:01	00:04:08	257-	51-	55-	92104
K4 (104)	17/07/31	03:43:12	03:55:29	00:03:03	-----	308-	62-	115-	15463
K7 (107)	17/07/31	03:48:03	04:00:25	00:04:55	-----	306-	78-	122-	15291
D4 (32)	17/07/31	03:58:54	04:11:43	00:11:17	-----	265-	42-	55-	92191
D2 (30)	17/07/31	03:59:30	04:12:29	00:00:46	-----	258-	49-	55-	92192
K6 (106)	17/07/31	04:12:58	04:25:17	00:12:19	00:00:29	303-	73-	133-	16190
D6 (34)	17/07/31	04:23:41	04:36:35	00:11:17	-----	262-	45-	55-	92195
G2 (04)	17/07/31	04:33:02	04:44:08	00:07:33	-----	193-	24-	315-	1267
K3 (103)	17/07/31	04:39:46	04:51:46	00:07:38	-----	298-	48-	145-	15292
D7 (35)	17/07/31	04:42:11	04:54:54	00:03:07	-----	267-	39-	55-	92192
D8 (36)	17/07/31	05:03:20	05:15:46	00:12:26	00:08:25	276-	33-	56-	92148
K9 (109)	17/07/31	05:07:07	05:18:18	00:02:32	-----	291-	29-	160-	15292
A2 (06)	17/07/31	05:12:48	05:19:32	00:01:14	-----	162-	9-	100-	2656
A1 (05)	17/07/31	05:20:14	05:27:59	00:07:45	00:00:41	167-	11-	94-	2565
D3 (31)	17/07/31	05:26:24	05:38:26	00:10:26	-----	290-	28-	61-	92105
K4 (104)	17/07/31	05:27:28	05:38:23	00:00:02	-----	289-	26-	164-	15464
K7 (107)	17/07/31	05:32:33	05:42:34	00:04:10	-----	283-	19-	174-	15292
A3 (07)	17/07/31	05:35:24	05:44:46	00:02:12	-----	178-	15-	84-	2657
D4 (32)	17/07/31	05:45:59	05:57:57	00:11:58	00:01:12	295-	27-	65-	92192
D2 (30)	17/07/31	05:46:31	05:58:31	00:00:33	-----	291-	28-	62-	92193
A4 (08)	17/07/31	05:49:45	06:00:27	00:01:56	-----	190-	20-	77-	2657
K6 (106)	17/07/31	05:58:14	06:06:17	00:05:49	-----	272-	12-	191-	16191
A8 (12)	17/07/31	06:00:39	06:11:52	00:05:34	-----	195-	24-	74-	2638
D6 (34)	17/07/31	06:10:44	06:22:42	00:10:50	-----	293-	27-	64-	92196
A5 (09)	17/07/31	06:13:21	06:25:00	00:02:17	-----	199-	28-	71-	2657
A7 (11)	17/07/31	06:25:02	06:37:09	00:12:06	00:00:02	206-	35-	68-	2657
K3 (103)	17/07/31	06:26:44	06:30:39	00:06:02	-----	254-	6-	215-	15293
D7 (35)	17/07/31	06:29:13	06:41:11	00:10:31	-----	296-	27-	67-	92193
A6 (10)	17/07/31	06:38:23	06:50:46	00:09:35	-----	211-	41-	66-	20159
D8 (36)	17/07/31	06:50:15	07:02:20	00:11:33	-----	301-	28-	73-	92149
A2 (06)	17/07/31	06:54:09	07:06:54	00:04:34	-----	220-	53-	63-	2657
A1 (05)	17/07/31	07:02:06	07:14:57	00:08:02	-----	223-	60-	62-	2566
S4 (119)	17/07/31	07:11:22	07:18:49	00:03:51	-----	166-	11-	92-	16301
D3 (31)	17/07/31	07:12:53	07:25:23	00:06:34	-----	305-	35-	87-	92106
B7 (19)	17/07/31	07:15:16	07:21:00	00:04:02	-----	157-	8-	102-	99111
A3 (07)	17/07/31	07:18:09	07:31:08	00:10:08	-----	230-	75-	60-	2658
B8 (20)	17/07/31	07:30:29	07:38:33	00:07:25	-----	169-	11-	93-	99122
D4 (32)	17/07/31	07:32:17	07:45:01	00:06:27	-----	306-	40-	94-	92193
D2 (30)	17/07/31	07:32:58	07:45:29	00:00:28	-----	305-	35-	88-	92194
A4 (08)	17/07/31	07:33:17	07:46:21	00:00:51	-----	238-	86-	58-	2658

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
S1 (116)	17/07/31	07:35:48	07:45:42	00:00:03	-----	185-	19-	76-	16302
B4 (16)	17/07/31	07:43:20	07:52:10	00:06:27	-----	173-	13-	88-	99111
A8 (12)	17/07/31	07:44:33	07:57:34	00:05:23	-----	242-	76-	57-	2639
B3 (15)	17/07/31	07:56:37	08:06:32	00:08:57	-----	181-	16-	82-	99111
D6 (34)	17/07/31	07:57:04	08:09:43	00:03:11	-----	305-	38-	91-	92197
A5 (09)	17/07/31	07:57:35	08:10:33	00:00:49	-----	247-	67-	56-	2658
S2 (113)	17/07/31	08:00:35	08:11:44	00:01:11	-----	197-	29-	68-	16390
A7 (11)	17/07/31	08:09:40	08:22:33	00:10:48	-----	252-	58-	56-	2658
B2 (14)	17/07/31	08:11:50	08:22:50	00:00:16	-----	191-	21-	76-	99111
D7 (35)	17/07/31	08:15:24	08:28:13	00:05:22	-----	306-	43-	97-	92194
A6 (10)	17/07/31	08:23:17	08:36:05	00:07:52	-----	256-	52-	55-	20160
S3 (112)	17/07/31	08:26:22	08:38:17	00:02:11	-----	211-	44-	62-	16385
B1 (13)	17/07/31	08:27:31	08:39:12	00:00:55	-----	198-	27-	72-	99024
D8 (36)	17/07/31	08:36:11	08:49:18	00:10:05	-----	305-	55-	106-	92150
A2 (06)	17/07/31	08:39:29	08:52:08	00:02:49	-----	262-	44-	55-	2658
B6 (18)	17/07/31	08:42:04	08:54:36	00:02:28	-----	209-	39-	66-	99112
A1 (05)	17/07/31	08:47:35	09:00:09	00:05:33	-----	265-	41-	55-	2567
S4 (119)	17/07/31	08:52:01	09:04:19	00:04:09	-----	224-	67-	58-	16302
B7 (19)	17/07/31	08:56:27	09:09:18	00:04:59	-----	217-	48-	64-	99112
D3 (31)	17/07/31	08:58:34	09:11:48	00:02:30	-----	301-	85-	126-	92107
A3 (07)	17/07/31	09:03:56	09:16:19	00:04:30	-----	271-	36-	55-	2659
B8 (20)	17/07/31	09:12:52	09:25:57	00:09:37	-----	224-	61-	62-	99123
S1 (116)	17/07/31	09:17:52	09:30:17	00:04:19	-----	237-	81-	54-	16303
D4 (32)	17/07/31	09:18:00	09:31:05	00:00:48	-----	298-	64-	135-	92194
D2 (30)	17/07/31	09:18:38	09:31:52	00:00:46	-----	301-	82-	127-	92195
A4 (08)	17/07/31	09:19:23	09:31:33	00:00:01	-----	277-	32-	56-	2659
B4 (16)	17/07/31	09:26:07	09:39:16	00:07:42	-----	227-	67-	61-	99112
A8 (12)	17/07/31	09:30:47	09:42:49	00:03:33	-----	280-	31-	57-	2640
B3 (15)	17/07/31	09:40:00	09:53:14	00:10:24	-----	232-	79-	60-	99112
D6 (34)	17/07/31	09:42:44	09:55:56	00:02:41	-----	299-	72-	131-	92198
S2 (113)	17/07/31	09:43:34	09:55:51	00:00:04	-----	248-	57-	51-	16391
A5 (09)	17/07/31	09:43:56	09:55:51	00:00:00	-----	283-	29-	57-	2659
B2 (14)	17/07/31	09:55:53	10:09:09	00:13:16	00:00:01	239-	84-	58-	99112
A7 (11)	17/07/31	09:56:07	10:07:57	00:01:01	-----	287-	28-	59-	2659
D7 (35)	17/07/31	10:01:05	10:14:06	00:06:09	-----	297-	58-	138-	92195
A6 (10)	17/07/31	10:09:48	10:21:34	00:07:27	-----	290-	27-	60-	20161
S3 (112)	17/07/31	10:10:08	10:22:08	00:00:33	-----	258-	42-	49-	16386
B1 (13)	17/07/31	10:12:03	10:25:18	00:03:10	-----	244-	72-	57-	99025
D8 (36)	17/07/31	10:22:01	10:34:33	00:09:15	-----	292-	39-	149-	92151
A2 (06)	17/07/31	10:26:03	10:37:47	00:03:13	-----	294-	27-	63-	2659
B6 (18)	17/07/31	10:27:20	10:40:25	00:02:38	-----	254-	54-	55-	99113
A1 (05)	17/07/31	10:34:10	10:45:53	00:05:27	-----	295-	27-	65-	2568
S4 (119)	17/07/31	10:36:25	10:48:02	00:02:09	-----	268-	33-	48-	16303
B7 (19)	17/07/31	10:42:04	10:55:02	00:07:00	-----	260-	48-	55-	99113
D3 (31)	17/07/31	10:45:08	10:55:25	00:00:22	-----	279-	18-	176-	92108
A3 (07)	17/07/31	10:50:29	11:02:12	00:06:46	-----	298-	27-	68-	2660
B8 (20)	17/07/31	10:58:49	11:11:37	00:09:25	-----	265-	42-	55-	99124
S1 (116)	17/07/31	11:02:49	11:14:00	00:02:22	-----	279-	26-	49-	16304
D2 (30)	17/07/31	11:05:16	11:15:21	00:01:22	-----	277-	17-	178-	92196
D4 (32)	17/07/31	11:05:17	11:13:41	00:01:04	-----	269-	12-	190-	92195

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A4 (08)	17/07/31	11:05:50	11:17:38	00:03:57	-----	301-	28-	72-	2660
B4 (16)	17/07/31	11:12:13	11:24:56	00:07:18	-----	268-	39-	55-	99113
A8 (12)	17/07/31	11:17:09	11:29:00	00:04:04	-----	302-	28-	75-	2641
B3 (15)	17/07/31	11:26:20	11:38:54	00:09:54	-----	272-	36-	56-	99113
S2 (113)	17/07/31	11:28:53	11:39:40	00:00:45	-----	288-	23-	50-	16392
D6 (34)	17/07/31	11:29:40	11:38:57	00:00:04	-----	273-	14-	185-	92199
A5 (09)	17/07/31	11:30:12	11:42:08	00:03:10	-----	303-	29-	78-	2660
A7 (11)	17/07/31	11:42:17	11:54:20	00:12:03	00:00:08	304-	31-	82-	2660
B2 (14)	17/07/31	11:42:28	11:54:52	00:00:31	-----	277-	33-	56-	99113
D7 (35)	17/07/31	11:48:39	11:56:15	00:01:22	-----	265-	10-	196-	92196
S3 (112)	17/07/31	11:55:39	12:06:09	00:09:53	-----	295-	21-	53-	16387
A6 (10)	17/07/31	11:55:51	12:08:02	00:01:52	-----	305-	33-	85-	20162
B1 (13)	17/07/31	11:58:48	12:11:04	00:03:02	-----	281-	31-	58-	99026
A2 (06)	17/07/31	12:11:55	12:24:19	00:12:24	00:00:50	306-	37-	91-	2660
B6 (18)	17/07/31	12:14:17	12:26:23	00:02:03	-----	289-	28-	61-	99114
A1 (05)	17/07/31	12:19:57	12:32:26	00:06:03	-----	306-	39-	94-	2569
S4 (119)	17/07/31	12:21:59	12:32:20	00:00:05	-----	302-	20-	57-	16304
B7 (19)	17/07/31	12:29:05	12:41:06	00:08:46	-----	292-	28-	63-	99114
A3 (07)	17/07/31	12:36:06	12:48:45	00:07:38	-----	306-	45-	99-	2661
B8 (20)	17/07/31	12:45:51	12:57:50	00:09:04	-----	295-	27-	66-	99125
S1 (116)	17/07/31	12:48:16	12:58:40	00:00:49	-----	307-	20-	63-	16305
A4 (08)	17/07/31	12:51:18	13:04:06	00:05:26	-----	305-	54-	106-	2661
B4 (16)	17/07/31	12:59:14	13:11:14	00:07:07	-----	296-	27-	67-	99114
C7 (27)	17/07/31	13:01:21	13:08:17	00:02:05	-----	162-	9-	99-	98467
T2 (110)	17/07/31	13:01:56	13:08:33	00:00:15	-----	161-	9-	97-	16269
A8 (12)	17/07/31	13:02:32	13:15:25	00:06:52	-----	305-	61-	110-	2642
B3 (15)	17/07/31	13:13:18	13:25:20	00:09:55	-----	299-	28-	70-	99114
S2 (113)	17/07/31	13:14:04	13:24:41	00:00:03	-----	310-	22-	69-	16393
A5 (09)	17/07/31	13:15:31	13:28:27	00:03:46	-----	304-	69-	114-	2661
A7 (11)	17/07/31	13:27:31	13:40:30	00:12:02	-----	303-	80-	120-	2661
B2 (14)	17/07/31	13:29:21	13:41:28	00:00:57	-----	301-	29-	74-	99114
T4 (114)	17/07/31	13:33:44	13:43:33	00:02:04	-----	184-	18-	77-	16272
S3 (112)	17/07/31	13:40:31	13:51:28	00:07:55	-----	312-	24-	78-	16388
A6 (10)	17/07/31	13:41:04	13:54:03	00:02:34	-----	302-	89-	124-	20163
B1 (13)	17/07/31	13:45:34	13:57:48	00:03:45	-----	303-	30-	78-	99027
A2 (06)	17/07/31	13:57:06	14:10:03	00:12:14	-----	299-	72-	131-	2661
B6 (18)	17/07/31	14:00:50	14:13:19	00:03:15	-----	305-	34-	85-	99115
A1 (05)	17/07/31	14:05:08	14:18:01	00:04:42	-----	298-	64-	134-	2570
S4 (119)	17/07/31	14:06:30	14:17:51	00:00:01	-----	312-	29-	86-	16305
C3 (23)	17/07/31	14:07:12	14:19:18	00:01:26	-----	202-	31-	69-	98471
T1 (118)	17/07/31	14:08:01	14:19:31	00:00:12	-----	203-	34-	66-	16186
B7 (19)	17/07/31	14:15:29	14:28:06	00:08:35	-----	305-	37-	90-	99115
C1 (21)	17/07/31	14:19:27	14:31:58	00:03:51	-----	209-	39-	66-	98429
A3 (07)	17/07/31	14:21:21	14:34:00	00:02:02	-----	296-	51-	141-	2662
B8 (20)	17/07/31	14:32:05	14:44:52	00:10:51	-----	305-	41-	95-	99126
S1 (116)	17/07/31	14:32:25	14:44:13	00:00:03	-----	312-	37-	97-	16306
A4 (08)	17/07/31	14:36:39	14:48:53	00:04:39	-----	292-	38-	150-	2662
T2 (110)	17/07/31	14:42:09	14:54:22	00:05:29	-----	221-	61-	59-	16270
C7 (27)	17/07/31	14:43:09	14:56:07	00:01:44	-----	220-	53-	63-	98468
B4 (16)	17/07/31	14:45:24	14:58:16	00:02:09	-----	305-	43-	97-	99115

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A8 (12)	17/07/31	14:47:59	14:59:56	00:01:40	-----	290-	32-	155-	2643
S2 (113)	17/07/31	14:58:00	15:10:07	00:10:10	-----	310-	48-	107-	16394
B3 (15)	17/07/31	14:59:21	15:12:21	00:02:14	-----	305-	48-	102-	99115
A5 (09)	17/07/31	15:01:05	15:12:38	00:00:17	-----	287-	27-	160-	2662
A7 (11)	17/07/31	15:13:19	15:24:13	00:10:54	00:00:40	283-	22-	167-	2662
B2 (14)	17/07/31	15:15:16	15:28:24	00:04:10	-----	305-	57-	108-	99115
T4 (114)	17/07/31	15:15:45	15:28:09	00:00:01	-----	236-	83-	54-	16273
S3 (112)	17/07/31	15:24:16	15:36:37	00:08:27	-----	308-	68-	118-	16389
A6 (10)	17/07/31	15:27:04	15:37:21	00:00:44	-----	280-	19-	173-	20164
B1 (13)	17/07/31	15:31:23	15:44:38	00:07:17	-----	304-	66-	113-	99028
T3 (105)	17/07/31	15:35:26	15:47:17	00:02:39	-----	202-	34-	66-	15435
A2 (06)	17/07/31	15:43:35	15:52:38	00:05:20	-----	273-	14-	184-	2662
B6 (18)	17/07/31	15:46:31	15:59:50	00:07:11	-----	302-	89-	123-	99116
S4 (119)	17/07/31	15:50:11	16:02:35	00:02:44	-----	304-	85-	129-	16306
T1 (118)	17/07/31	15:51:20	16:03:30	00:00:55	-----	252-	50-	50-	16187
A1 (05)	17/07/31	15:51:53	16:00:12	00:03:01	-----	269-	12-	190-	2571
C3 (23)	17/07/31	15:52:03	16:05:16	00:05:04	-----	249-	63-	56-	98472
B7 (19)	17/07/31	16:01:09	16:14:24	00:09:08	-----	300-	77-	129-	99116
C1 (21)	17/07/31	16:04:42	16:17:48	00:03:23	-----	254-	54-	55-	98430
A3 (07)	17/07/31	16:08:56	16:15:06	00:02:04	-----	258-	8-	205-	2663
S1 (116)	17/07/31	16:16:11	16:28:20	00:12:08	00:01:05	300-	55-	141-	16307
B8 (20)	17/07/31	16:17:45	16:30:52	00:02:32	-----	298-	63-	135-	99127
T2 (110)	17/07/31	16:26:24	16:38:06	00:07:13	-----	266-	35-	49-	16271
C7 (27)	17/07/31	16:28:55	16:41:49	00:03:42	-----	262-	45-	55-	98469
B4 (16)	17/07/31	16:31:05	16:44:08	00:02:18	-----	297-	57-	138-	99116
S2 (113)	17/07/31	16:41:56	16:53:33	00:09:24	-----	294-	36-	153-	16395
B3 (15)	17/07/31	16:45:05	16:57:56	00:04:23	-----	295-	47-	144-	99116
G2 (04)	17/07/31	16:49:45	17:01:47	00:03:50	-----	32-	50-	189-	1274
T4 (114)	17/07/31	17:00:40	17:11:51	00:10:04	-----	278-	27-	48-	16274
B2 (14)	17/07/31	17:01:07	17:13:34	00:01:42	-----	292-	37-	151-	99116
S3 (112)	17/07/31	17:08:34	17:19:12	00:05:38	-----	287-	23-	167-	16390
B1 (13)	17/07/31	17:17:23	17:29:24	00:10:11	-----	288-	30-	158-	99029
T3 (105)	17/07/31	17:19:32	17:32:09	00:02:45	-----	251-	53-	51-	15436
B6 (18)	17/07/31	17:32:56	17:43:44	00:10:47	00:00:47	281-	20-	171-	99117
S4 (119)	17/07/31	17:35:05	17:44:05	00:00:21	-----	277-	15-	183-	16307
T1 (118)	17/07/31	17:36:45	17:47:23	00:03:18	-----	291-	22-	51-	16188
C3 (23)	17/07/31	17:38:55	17:51:07	00:03:43	-----	285-	29-	59-	98473
B7 (19)	17/07/31	17:47:54	17:57:41	00:06:33	-----	276-	16-	180-	99117
C1 (21)	17/07/31	17:51:39	18:03:45	00:06:03	-----	288-	28-	61-	98431
S1 (116)	17/07/31	18:02:24	18:08:05	00:04:20	-----	259-	8-	208-	16308
B8 (20)	17/07/31	18:05:02	18:13:22	00:05:16	-----	269-	12-	190-	99128
T2 (110)	17/07/31	18:11:58	18:22:20	00:08:58	-----	300-	20-	55-	16272
C7 (27)	17/07/31	18:15:57	18:27:57	00:05:37	-----	293-	27-	64-	98470
B4 (16)	17/07/31	18:18:41	18:26:13	00:01:04	-----	264-	10-	196-	99117
G2 (04)	17/07/31	18:28:51	18:38:54	00:10:02	00:02:38	1-	20-	250-	1275
B3 (15)	17/07/31	18:33:31	18:39:00	00:00:05	-----	254-	7-	209-	99117
T4 (114)	17/07/31	18:46:07	18:56:30	00:10:22	00:07:07	307-	20-	62-	16275
K3 (103)	17/07/31	19:03:54	19:11:29	00:07:34	00:07:23	167-	11-	91-	15301
T3 (105)	17/07/31	19:05:46	19:16:55	00:05:26	-----	290-	23-	52-	15437
T1 (118)	17/07/31	19:21:48	19:32:33	00:10:44	00:04:53	311-	22-	73-	16189

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
C3 (23)	17/07/31	19:25:37	19:37:57	00:05:24	-----	304-	31-	81-	98474
K9 (109)	17/07/31	19:29:28	19:39:34	00:01:36	-----	187-	20-	75-	15301
C1 (21)	17/07/31	19:38:12	19:50:40	00:11:06	-----	305-	34-	85-	98432
K4 (104)	17/07/31	19:50:23	20:00:50	00:10:09	-----	189-	22-	73-	15473
K7 (107)	17/07/31	19:53:46	20:04:59	00:04:08	-----	198-	30-	68-	15301
T2 (110)	17/07/31	19:56:33	20:07:49	00:02:50	-----	312-	27-	84-	16273
C7 (27)	17/07/31	20:02:17	20:14:59	00:07:09	-----	305-	38-	92-	98471
K6 (106)	17/07/31	20:18:12	20:30:07	00:11:54	00:03:13	212-	45-	62-	16200
T4 (114)	17/07/31	20:30:18	20:42:04	00:11:45	00:00:11	312-	36-	96-	16276
K3 (103)	17/07/31	20:44:38	20:56:55	00:12:17	00:02:34	225-	68-	58-	15302
T3 (105)	17/07/31	20:51:43	21:02:56	00:06:01	-----	310-	24-	74-	15438
T1 (118)	17/07/31	21:05:38	21:17:53	00:12:14	00:02:41	309-	55-	111-	16190
C3 (23)	17/07/31	21:11:22	21:24:40	00:06:47	-----	303-	75-	117-	98475
K9 (109)	17/07/31	21:11:41	21:24:03	00:00:03	-----	238-	77-	54-	15302
C1 (21)	17/07/31	21:23:54	21:37:12	00:13:08	-----	302-	89-	123-	98433
K4 (104)	17/07/31	21:33:00	21:45:15	00:08:03	-----	242-	69-	53-	15474
K7 (107)	17/07/31	21:36:49	21:49:04	00:03:48	-----	248-	56-	51-	15302
T2 (110)	17/07/31	21:40:15	21:52:39	00:03:35	-----	305-	88-	126-	16274
C7 (27)	17/07/31	21:47:57	22:01:10	00:08:30	-----	299-	71-	131-	98472
K6 (106)	17/07/31	22:02:00	22:13:57	00:11:57	00:00:49	259-	41-	49-	16201
T4 (114)	17/07/31	22:14:03	22:26:12	00:12:09	00:00:06	300-	56-	141-	16277
K3 (103)	17/07/31	22:29:03	22:40:38	00:11:34	00:02:50	269-	32-	48-	15303
T3 (105)	17/07/31	22:36:26	22:49:08	00:08:30	-----	309-	57-	112-	15439
T1 (118)	17/07/31	22:49:42	23:01:00	00:11:16	00:00:34	291-	30-	159-	16191
K9 (109)	17/07/31	22:56:41	23:07:46	00:06:47	-----	280-	26-	49-	15303
C3 (23)	17/07/31	22:57:32	23:09:05	00:01:18	-----	285-	25-	163-	98476
C1 (21)	17/07/31	23:10:18	23:21:07	00:10:48	00:01:13	281-	20-	171-	98434
K4 (104)	17/07/31	23:18:13	23:29:05	00:07:58	-----	283-	24-	49-	15475
K7 (107)	17/07/31	23:22:09	23:32:53	00:03:47	-----	288-	23-	50-	15303
T2 (110)	17/07/31	23:24:58	23:34:29	00:01:36	-----	280-	17-	179-	16275
C7 (27)	17/07/31	23:34:55	23:44:08	00:09:13	00:00:25	273-	14-	184-	98473
K6 (106)	17/07/31	23:47:30	23:57:58	00:10:27	00:03:21	296-	21-	53-	16202
D4 (32)	17/07/31	23:57:24	00:03:45	00:05:46	-----	159-	8-	103-	92203
T4 (114)	17/08/01	00:00:09	00:06:06	00:02:20	-----	260-	8-	206-	16278
K3 (103)	17/08/01	00:14:37	00:24:57	00:10:19	00:08:30	302-	20-	57-	15304
T3 (105)	17/08/01	00:21:22	00:33:04	00:08:07	-----	292-	31-	159-	15440
D6 (34)	17/08/01	00:22:58	00:27:16	00:05:04	-----	144-	7-	106-	92207
D7 (35)	17/08/01	00:39:33	00:46:54	00:07:20	00:12:16	164-	10-	97-	92204
K9 (109)	17/08/01	00:42:06	00:52:29	00:05:35	-----	307-	20-	63-	15304
D8 (36)	17/08/01	00:58:44	01:08:45	00:10:01	00:06:14	182-	17-	81-	92160
K4 (104)	17/08/01	01:03:38	01:14:02	00:05:16	-----	309-	20-	65-	15476
K7 (107)	17/08/01	01:07:19	01:17:56	00:03:53	-----	310-	22-	70-	15304
D3 (31)	17/08/01	01:19:32	01:31:56	00:12:23	00:01:36	207-	36-	67-	92117
K6 (106)	17/08/01	01:32:21	01:43:18	00:10:56	00:00:24	312-	24-	78-	16203
D4 (32)	17/08/01	01:38:55	01:51:51	00:08:33	-----	218-	50-	64-	92204
D2 (30)	17/08/01	01:39:33	01:52:01	00:00:09	-----	208-	38-	67-	92205
K3 (103)	17/08/01	01:59:06	02:10:27	00:11:21	00:07:05	312-	29-	87-	15305
D6 (34)	17/08/01	02:03:28	02:16:12	00:05:44	-----	214-	44-	65-	92208
D7 (35)	17/08/01	02:21:33	02:34:34	00:13:01	00:05:20	221-	56-	63-	92205
K9 (109)	17/08/01	02:26:13	02:38:02	00:03:28	-----	312-	38-	98-	15305

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
G2 (04)	17/08/01	02:26:31	02:37:21	00:00:04	-----	113-	23-	358-	1280
D8 (36)	17/08/01	02:42:10	02:55:26	00:13:15	00:04:49	233-	81-	59-	92161
K4 (104)	17/08/01	02:47:45	02:59:40	00:04:14	-----	311-	41-	102-	15477
K7 (107)	17/08/01	02:51:13	03:03:21	00:03:40	-----	310-	49-	108-	15305
D3 (31)	17/08/01	03:04:40	03:17:48	00:13:07	00:01:19	252-	57-	56-	92118
K6 (106)	17/08/01	03:16:06	03:28:26	00:10:38	-----	308-	68-	118-	16204
D4 (32)	17/08/01	03:24:40	03:37:36	00:09:10	-----	261-	46-	55-	92205
D2 (30)	17/08/01	03:24:46	03:37:51	00:00:14	-----	254-	55-	55-	92206
K3 (103)	17/08/01	03:42:48	03:55:10	00:12:21	00:04:56	304-	84-	129-	15306
D6 (34)	17/08/01	03:48:57	04:01:57	00:06:47	-----	257-	50-	55-	92209
G2 (04)	17/08/01	04:03:49	04:16:19	00:12:30	00:01:51	172-	48-	327-	1281
D7 (35)	17/08/01	04:07:23	04:20:15	00:03:56	-----	263-	44-	55-	92206
K9 (109)	17/08/01	04:10:00	04:22:04	00:01:48	-----	299-	52-	143-	15306
D8 (36)	17/08/01	04:28:32	04:41:06	00:12:34	00:06:27	272-	36-	56-	92162
K4 (104)	17/08/01	04:31:39	04:43:36	00:02:29	-----	297-	45-	147-	15478
K7 (107)	17/08/01	04:35:10	04:46:43	00:03:07	-----	294-	35-	154-	15306
A1 (05)	17/08/01	04:41:05	04:45:46	00:00:05	-----	148-	7-	105-	2579
D3 (31)	17/08/01	04:51:36	05:03:42	00:12:05	00:05:49	287-	28-	60-	92119
A3 (07)	17/08/01	04:55:40	05:03:09	00:00:03	-----	166-	10-	95-	2671
K6 (106)	17/08/01	05:00:25	05:10:58	00:07:49	-----	286-	23-	168-	16205
A4 (08)	17/08/01	05:09:39	05:19:07	00:08:08	-----	179-	15-	84-	2671
D2 (30)	17/08/01	05:11:43	05:23:47	00:04:39	-----	288-	28-	60-	92207
D4 (32)	17/08/01	05:11:44	05:23:44	00:00:02	-----	292-	27-	63-	92206
A8 (12)	17/08/01	05:20:27	05:30:38	00:06:53	-----	185-	18-	80-	2652
K3 (103)	17/08/01	05:27:44	05:36:38	00:06:00	-----	276-	15-	185-	15307
A5 (09)	17/08/01	05:33:01	05:43:51	00:07:12	-----	191-	21-	76-	2671
D6 (34)	17/08/01	05:35:57	05:47:58	00:04:07	-----	290-	28-	62-	92210
A7 (11)	17/08/01	05:44:37	05:56:05	00:08:06	-----	196-	26-	72-	2671
D7 (35)	17/08/01	05:54:26	06:06:24	00:10:19	-----	294-	27-	64-	92207
K9 (109)	17/08/01	05:56:28	06:01:30	00:04:05	-----	255-	7-	212-	15307
A6 (10)	17/08/01	05:57:53	06:09:45	00:08:14	-----	202-	31-	70-	20173
A2 (06)	17/08/01	06:13:34	06:25:56	00:12:22	00:03:48	211-	40-	66-	2671
D8 (36)	17/08/01	06:15:31	06:27:32	00:01:36	-----	299-	28-	70-	92163
A1 (05)	17/08/01	06:21:26	06:34:00	00:06:27	-----	215-	45-	65-	2580
A3 (07)	17/08/01	06:37:24	06:50:14	00:12:49	00:03:24	222-	58-	63-	2672
D3 (31)	17/08/01	06:38:13	06:50:35	00:00:21	-----	304-	32-	83-	92120
S1 (116)	17/08/01	06:40:56	06:47:32	00:03:02	-----	161-	9-	97-	16316
A4 (08)	17/08/01	06:52:26	07:05:27	00:13:01	00:04:53	231-	76-	60-	2672
B8 (20)	17/08/01	06:56:47	07:03:07	00:02:01	-----	159-	8-	103-	99136
D4 (32)	17/08/01	06:58:10	07:10:47	00:07:39	-----	305-	37-	90-	92207
D2 (30)	17/08/01	06:58:18	07:10:41	00:00:05	-----	304-	33-	84-	92208
A8 (12)	17/08/01	07:03:40	07:16:42	00:06:00	-----	235-	86-	59-	2653
S2 (113)	17/08/01	07:04:56	07:14:13	00:02:02	-----	179-	16-	81-	16404
B4 (16)	17/08/01	07:09:28	07:16:53	00:02:40	-----	165-	10-	96-	99125
A5 (09)	17/08/01	07:16:39	07:29:41	00:12:48	-----	239-	83-	58-	2672
D6 (34)	17/08/01	07:22:25	07:34:57	00:05:15	-----	305-	35-	87-	92211
B3 (15)	17/08/01	07:22:34	07:31:26	00:03:03	-----	174-	13-	88-	99125
A7 (11)	17/08/01	07:28:41	07:41:42	00:10:16	-----	245-	71-	57-	2672
S3 (112)	17/08/01	07:30:17	07:41:04	00:00:03	-----	192-	25-	71-	16399
B2 (14)	17/08/01	07:37:37	07:47:51	00:06:47	-----	184-	17-	80-	99125

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D7 (35)	17/08/01	07:40:45	07:53:26	00:05:34	-----	305-	39-	92-	92208
A6 (10)	17/08/01	07:42:17	07:55:14	00:01:48	-----	249-	63-	56-	20174
B1 (13)	17/08/01	07:53:12	08:04:18	00:09:03	-----	192-	22-	75-	99038
S4 (119)	17/08/01	07:55:36	08:07:17	00:02:59	-----	206-	38-	64-	16316
A2 (06)	17/08/01	07:58:26	08:11:16	00:03:58	-----	256-	52-	55-	2672
D8 (36)	17/08/01	08:01:33	08:14:34	00:03:17	-----	305-	49-	102-	92164
A1 (05)	17/08/01	08:06:31	08:19:16	00:04:42	-----	258-	48-	55-	2581
B6 (18)	17/08/01	08:07:38	08:19:48	00:00:31	-----	203-	33-	69-	99126
S1 (116)	17/08/01	08:21:08	08:33:22	00:12:14	00:01:20	221-	60-	59-	16317
B7 (19)	17/08/01	08:21:57	08:34:31	00:01:08	-----	210-	40-	66-	99126
A3 (07)	17/08/01	08:22:51	08:35:26	00:00:54	-----	264-	42-	55-	2673
D3 (31)	17/08/01	08:23:56	08:37:11	00:01:44	-----	302-	83-	121-	92121
A4 (08)	17/08/01	08:38:14	08:50:38	00:12:23	00:01:03	271-	36-	55-	2673
B8 (20)	17/08/01	08:38:16	08:51:11	00:00:33	-----	218-	51-	64-	99137
D4 (32)	17/08/01	08:43:52	08:57:04	00:05:53	-----	300-	75-	130-	92208
D2 (30)	17/08/01	08:44:00	08:57:15	00:00:11	-----	302-	86-	122-	92209
S2 (113)	17/08/01	08:46:36	08:59:00	00:01:45	-----	233-	88-	55-	16405
A8 (12)	17/08/01	08:49:39	09:01:54	00:02:53	-----	274-	34-	55-	2654
B4 (16)	17/08/01	08:51:30	09:04:31	00:02:37	-----	221-	56-	63-	99126
A5 (09)	17/08/01	09:02:47	09:14:54	00:10:23	-----	278-	32-	56-	2673
B3 (15)	17/08/01	09:05:21	09:18:30	00:03:36	-----	227-	67-	61-	99126
D6 (34)	17/08/01	09:08:06	09:21:21	00:02:50	-----	301-	84-	126-	92212
S3 (112)	17/08/01	09:12:58	09:25:18	00:03:56	-----	244-	65-	52-	16400
A7 (11)	17/08/01	09:15:00	09:26:59	00:01:40	-----	282-	30-	57-	2673
B2 (14)	17/08/01	09:21:11	09:34:27	00:07:28	-----	234-	84-	59-	99126
D7 (35)	17/08/01	09:26:24	09:39:34	00:05:06	-----	299-	69-	132-	92209
A6 (10)	17/08/01	09:28:41	09:40:35	00:01:00	-----	285-	29-	58-	20175
B1 (13)	17/08/01	09:37:19	09:50:35	00:10:00	-----	240-	83-	58-	99039
S4 (119)	17/08/01	09:39:06	09:51:12	00:00:37	-----	255-	47-	50-	16317
A2 (06)	17/08/01	09:44:57	09:56:45	00:05:32	-----	289-	27-	60-	2673
D8 (36)	17/08/01	09:47:18	10:00:07	00:03:22	-----	295-	46-	144-	92165
B6 (18)	17/08/01	09:52:33	10:05:43	00:05:36	-----	250-	62-	56-	99127
A1 (05)	17/08/01	09:53:03	10:04:49	00:00:05	-----	291-	27-	61-	2582
S1 (116)	17/08/01	10:05:23	10:17:07	00:11:43	00:00:34	266-	35-	49-	16318
B7 (19)	17/08/01	10:07:15	10:20:20	00:03:13	-----	255-	53-	55-	99127
A3 (07)	17/08/01	10:09:25	10:21:08	00:00:47	-----	295-	27-	64-	2674
D3 (31)	17/08/01	10:10:14	10:21:15	00:00:07	-----	283-	22-	169-	92122
B8 (20)	17/08/01	10:23:57	10:36:53	00:12:56	00:02:42	261-	46-	55-	99138
A4 (08)	17/08/01	10:24:47	10:36:31	00:00:02	-----	298-	27-	68-	2674
D2 (30)	17/08/01	10:30:21	10:41:12	00:04:41	-----	282-	21-	170-	92210
D4 (32)	17/08/01	10:30:45	10:40:17	00:00:05	-----	275-	15-	182-	92209
S2 (113)	17/08/01	10:31:23	10:42:42	00:02:25	-----	276-	28-	48-	16406
A8 (12)	17/08/01	10:36:09	10:47:53	00:05:11	-----	300-	27-	70-	2655
B4 (16)	17/08/01	10:37:21	10:50:13	00:02:19	-----	263-	43-	55-	99127
A5 (09)	17/08/01	10:49:13	11:01:00	00:10:47	-----	301-	28-	73-	2674
B3 (15)	17/08/01	10:51:28	11:04:10	00:03:10	-----	268-	39-	55-	99127
D6 (34)	17/08/01	10:54:41	11:04:56	00:00:45	-----	278-	17-	177-	92213
S3 (112)	17/08/01	10:58:09	11:09:04	00:04:08	-----	285-	24-	49-	16401
A7 (11)	17/08/01	11:01:19	11:13:13	00:04:08	-----	303-	29-	77-	2674
B2 (14)	17/08/01	11:07:35	11:20:07	00:06:54	-----	273-	35-	56-	99127

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
D7 (35)	17/08/01	11:13:27	11:22:25	00:02:17	-----	272-	13-	187-	92210
A6 (10)	17/08/01	11:14:55	11:26:55	00:04:29	-----	304-	30-	80-	20176
B1 (13)	17/08/01	11:23:55	11:36:19	00:09:23	-----	278-	32-	57-	99040
S4 (119)	17/08/01	11:24:33	11:35:09	00:01:09	-----	293-	21-	51-	16318
A2 (06)	17/08/01	11:31:00	11:43:12	00:08:03	-----	305-	33-	85-	2674
D8 (36)	17/08/01	11:35:49	11:41:05	00:02:07	-----	254-	7-	210-	92166
A1 (05)	17/08/01	11:39:02	11:51:19	00:10:14	-----	305-	35-	88-	2583
B6 (18)	17/08/01	11:39:25	11:51:35	00:00:16	-----	285-	29-	59-	99128
S1 (116)	17/08/01	11:50:57	12:01:20	00:09:45	-----	300-	20-	55-	16319
B7 (19)	17/08/01	11:54:13	12:06:18	00:04:57	-----	289-	28-	61-	99128
A3 (07)	17/08/01	11:55:14	12:07:41	00:01:23	-----	306-	39-	93-	2675
A4 (08)	17/08/01	12:10:25	12:23:03	00:12:38	00:02:43	306-	45-	100-	2675
B8 (20)	17/08/01	12:10:59	12:23:00	00:00:04	-----	292-	27-	63-	99139
S2 (113)	17/08/01	12:16:53	12:27:15	00:04:15	-----	305-	20-	60-	16407
A8 (12)	17/08/01	12:21:40	12:34:25	00:07:09	-----	305-	50-	103-	2656
B4 (16)	17/08/01	12:24:23	12:36:23	00:01:58	-----	294-	27-	65-	99128
C7 (27)	17/08/01	12:28:08	12:32:31	00:03:05	-----	144-	7-	104-	98481
A5 (09)	17/08/01	12:34:39	12:47:29	00:12:49	00:02:08	305-	56-	107-	2675
B3 (15)	17/08/01	12:38:29	12:50:28	00:03:00	-----	296-	27-	67-	99128
T4 (114)	17/08/01	12:38:56	12:45:18	00:05:01	-----	159-	9-	98-	16286
S3 (112)	17/08/01	12:43:27	12:53:59	00:08:40	-----	309-	21-	67-	16402
A7 (11)	17/08/01	12:46:39	12:59:34	00:05:35	-----	304-	65-	112-	2675
B2 (14)	17/08/01	12:54:33	13:06:36	00:07:01	-----	299-	28-	71-	99128
A6 (10)	17/08/01	13:00:12	13:13:10	00:06:34	-----	303-	74-	117-	20177
S4 (119)	17/08/01	13:09:32	13:20:22	00:07:11	-----	311-	23-	74-	16319
B1 (13)	17/08/01	13:10:47	13:22:56	00:02:33	-----	301-	29-	74-	99041
T1 (118)	17/08/01	13:12:10	13:22:07	00:00:04	-----	186-	19-	76-	16200
A2 (06)	17/08/01	13:16:13	13:29:14	00:07:07	-----	302-	90-	123-	2675
A1 (05)	17/08/01	13:24:14	13:37:14	00:08:00	-----	301-	82-	127-	2584
B6 (18)	17/08/01	13:26:05	13:38:26	00:01:12	-----	304-	32-	81-	99129
C3 (23)	17/08/01	13:32:55	13:44:34	00:06:08	-----	198-	26-	72-	98485
S1 (116)	17/08/01	13:35:34	13:46:49	00:02:14	-----	312-	27-	84-	16320
A3 (07)	17/08/01	13:40:25	13:53:19	00:06:30	-----	299-	66-	133-	2676
B7 (19)	17/08/01	13:40:45	13:53:14	00:00:04	-----	305-	34-	86-	99129
C1 (21)	17/08/01	13:45:01	13:57:10	00:03:56	-----	203-	32-	69-	98443
T2 (110)	17/08/01	13:45:48	13:57:17	00:00:06	-----	203-	34-	66-	16284
A4 (08)	17/08/01	13:55:40	14:08:17	00:11:00	-----	296-	50-	141-	2676
B8 (20)	17/08/01	13:57:21	14:10:00	00:01:42	-----	305-	37-	91-	99140
S2 (113)	17/08/01	14:01:09	14:12:49	00:02:49	-----	312-	33-	93-	16408
A8 (12)	17/08/01	14:06:58	14:19:24	00:06:35	-----	294-	43-	146-	2657
C7 (27)	17/08/01	14:08:39	14:21:23	00:01:59	-----	215-	45-	65-	98482
B4 (16)	17/08/01	14:10:40	14:23:24	00:02:01	-----	305-	39-	93-	99129
T4 (114)	17/08/01	14:19:01	14:31:14	00:07:49	-----	220-	59-	59-	16287
A5 (09)	17/08/01	14:20:02	14:32:13	00:00:58	-----	291-	36-	151-	2676
B3 (15)	17/08/01	14:24:38	14:37:31	00:05:18	-----	305-	43-	97-	99129
S3 (112)	17/08/01	14:27:26	14:39:28	00:01:57	-----	311-	43-	104-	16403
A7 (11)	17/08/01	14:32:10	14:43:55	00:04:26	-----	288-	30-	158-	2676
B2 (14)	17/08/01	14:40:33	14:53:36	00:09:40	-----	305-	50-	103-	99129
A6 (10)	17/08/01	14:45:52	14:57:09	00:03:33	-----	285-	25-	163-	20178
T3 (105)	17/08/01	14:50:37	15:01:31	00:04:22	-----	191-	23-	72-	15449

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
S4 (119)	17/08/01	14:53:21	15:05:38	00:04:06	-----	309-	59-	114-	16320
T1 (118)	17/08/01	14:54:17	15:06:40	00:01:01	-----	237-	80-	54-	16201
B1 (13)	17/08/01	14:56:41	15:09:51	00:03:11	-----	305-	58-	108-	99042
A2 (06)	17/08/01	15:02:12	15:12:37	00:02:45	-----	280-	19-	172-	2676
A1 (05)	17/08/01	15:10:24	15:20:18	00:07:41	-----	277-	17-	178-	2585
B6 (18)	17/08/01	15:11:49	15:25:07	00:04:49	-----	303-	78-	118-	99130
C3 (23)	17/08/01	15:17:25	15:30:41	00:05:34	-----	244-	73-	57-	98486
S1 (116)	17/08/01	15:19:16	15:31:39	00:00:58	-----	305-	87-	126-	16321
B7 (19)	17/08/01	15:26:26	15:39:44	00:08:04	-----	302-	90-	124-	99130
A3 (07)	17/08/01	15:27:05	15:35:37	00:04:07	-----	270-	12-	189-	2677
T2 (110)	17/08/01	15:29:06	15:41:16	00:05:39	-----	252-	50-	50-	16285
C1 (21)	17/08/01	15:29:55	15:43:06	00:01:50	-----	250-	62-	56-	98444
B8 (20)	17/08/01	15:43:01	15:56:14	00:13:07	-----	300-	74-	130-	99141
A4 (08)	17/08/01	15:43:18	15:49:18	00:06:05	-----	257-	8-	205-	2677
S2 (113)	17/08/01	15:44:53	15:57:08	00:07:50	-----	301-	64-	137-	16409
C7 (27)	17/08/01	15:54:08	16:07:09	00:10:00	-----	258-	50-	55-	98483
A8 (12)	17/08/01	15:55:39	15:59:14	00:07:05	-----	250-	6-	215-	2658
B4 (16)	17/08/01	15:56:20	16:09:31	00:10:17	-----	299-	67-	133-	99130
T4 (114)	17/08/01	16:03:14	16:14:58	00:05:26	-----	265-	35-	49-	16288
B3 (15)	17/08/01	16:10:19	16:23:22	00:08:24	-----	297-	56-	138-	99130
S3 (112)	17/08/01	16:11:18	16:23:09	00:00:01	-----	296-	42-	149-	16404
G2 (04)	17/08/01	16:21:53	16:32:35	00:09:26	-----	45-	24-	167-	1288
B2 (14)	17/08/01	16:26:19	16:39:04	00:06:28	-----	294-	44-	145-	99130
T3 (105)	17/08/01	16:33:56	16:46:43	00:07:39	-----	241-	71-	53-	15450
S4 (119)	17/08/01	16:37:29	16:48:33	00:01:49	-----	290-	27-	162-	16321
T1 (118)	17/08/01	16:39:15	16:50:22	00:01:49	-----	279-	26-	49-	16202
B1 (13)	17/08/01	16:42:33	16:54:58	00:04:35	-----	291-	36-	152-	99043
B6 (18)	17/08/01	16:58:00	17:09:26	00:11:26	00:03:02	285-	24-	164-	99131
S1 (116)	17/08/01	17:03:58	17:13:28	00:04:02	-----	280-	17-	179-	16322
C3 (23)	17/08/01	17:04:10	17:16:28	00:02:59	-----	281-	31-	58-	98487
B7 (19)	17/08/01	17:12:53	17:23:32	00:07:04	-----	280-	19-	172-	99131
T2 (110)	17/08/01	17:14:30	17:25:09	00:01:36	-----	291-	22-	51-	16286
C1 (21)	17/08/01	17:16:48	17:28:58	00:03:48	-----	285-	29-	59-	98445
B8 (20)	17/08/01	17:29:51	17:39:23	00:09:31	00:00:53	274-	15-	182-	99142
S2 (113)	17/08/01	17:30:31	17:37:37	00:01:04	-----	267-	10-	198-	16410
C7 (27)	17/08/01	17:41:08	17:53:10	00:12:02	00:03:30	291-	28-	62-	98484
B4 (16)	17/08/01	17:43:25	17:52:19	00:00:05	-----	271-	13-	186-	99131
T4 (114)	17/08/01	17:48:48	17:59:10	00:06:51	-----	300-	20-	55-	16289
B3 (15)	17/08/01	17:57:57	18:05:26	00:06:15	-----	264-	10-	197-	99131
G2 (04)	17/08/01	17:59:56	18:11:33	00:06:07	-----	12-	38-	229-	1289
B2 (14)	17/08/01	18:15:10	18:19:39	00:04:29	00:03:37	249-	7-	215-	99131
T3 (105)	17/08/01	18:19:53	18:31:21	00:11:27	00:00:14	282-	26-	50-	15451
T1 (118)	17/08/01	18:24:40	18:35:04	00:03:43	-----	307-	20-	63-	16203
K9 (109)	17/08/01	18:34:28	18:41:30	00:06:26	-----	163-	10-	94-	15315
C3 (23)	17/08/01	18:50:58	19:03:12	00:12:13	00:09:27	302-	30-	77-	98488
K4 (104)	17/08/01	18:56:23	19:04:26	00:01:13	-----	170-	12-	88-	15487
K7 (107)	17/08/01	18:58:05	19:07:27	00:03:01	-----	180-	16-	80-	15315
T2 (110)	17/08/01	18:59:34	19:10:18	00:02:51	-----	311-	22-	73-	16287
C1 (21)	17/08/01	19:03:28	19:15:48	00:05:29	-----	304-	32-	81-	98446
K6 (106)	17/08/01	19:22:05	19:32:54	00:10:48	00:06:16	193-	25-	71-	16214

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
C7 (27)	17/08/01	19:27:35	19:40:09	00:07:15	-----	305-	35-	88-	98485
T4 (114)	17/08/01	19:33:25	19:44:38	00:04:28	-----	312-	27-	83-	16290
K3 (103)	17/08/01	19:48:11	19:59:53	00:11:41	00:03:33	207-	38-	64-	15316
T3 (105)	17/08/01	20:06:05	20:17:04	00:10:58	00:06:12	307-	22-	67-	15452
T1 (118)	17/08/01	20:08:49	20:20:38	00:03:33	-----	312-	37-	98-	16204
K9 (109)	17/08/01	20:14:55	20:27:10	00:06:32	-----	223-	64-	59-	15316
C3 (23)	17/08/01	20:36:48	20:50:03	00:13:14	00:09:37	304-	66-	113-	98489
K4 (104)	17/08/01	20:37:30	20:49:45	00:00:01	-----	227-	74-	57-	15488
K7 (107)	17/08/01	20:39:50	20:52:13	00:02:27	-----	233-	89-	55-	15316
T2 (110)	17/08/01	20:43:24	20:55:39	00:03:26	-----	309-	55-	111-	16288
C1 (21)	17/08/01	20:49:12	21:02:30	00:06:50	-----	303-	77-	118-	98447
K6 (106)	17/08/01	21:04:48	21:17:07	00:12:18	00:02:18	244-	64-	52-	16215
C7 (27)	17/08/01	21:13:16	21:26:32	00:09:25	-----	301-	83-	126-	98486
T4 (114)	17/08/01	21:17:07	21:29:30	00:02:57	-----	306-	85-	125-	16291
K3 (103)	17/08/01	21:31:43	21:43:47	00:12:04	00:02:12	255-	46-	50-	15317
T3 (105)	17/08/01	21:51:01	22:03:27	00:12:26	00:07:13	311-	43-	103-	15453
T1 (118)	17/08/01	21:52:34	22:04:43	00:01:16	-----	299-	54-	142-	16205
K9 (109)	17/08/01	21:59:14	22:10:53	00:06:10	-----	267-	34-	48-	15317
K4 (104)	17/08/01	22:22:08	22:33:32	00:11:24	00:11:15	271-	31-	48-	15489
C3 (23)	17/08/01	22:22:47	22:34:50	00:01:17	-----	289-	30-	157-	98490
K7 (107)	17/08/01	22:24:39	22:35:54	00:01:04	-----	276-	28-	48-	15317
T2 (110)	17/08/01	22:27:28	22:38:46	00:02:51	-----	291-	30-	158-	16289
C1 (21)	17/08/01	22:35:23	22:46:50	00:08:03	-----	285-	24-	164-	98448
K6 (106)	17/08/01	22:50:01	23:00:53	00:10:52	00:03:11	285-	24-	49-	16216
C7 (27)	17/08/01	22:59:52	23:10:06	00:09:12	-----	278-	17-	176-	98487
T4 (114)	17/08/01	23:01:47	23:11:23	00:01:16	-----	281-	17-	178-	16292
K3 (103)	17/08/01	23:17:11	23:27:44	00:10:33	00:05:47	293-	21-	51-	15318
T3 (105)	17/08/01	23:35:42	23:48:04	00:12:21	00:07:58	297-	45-	147-	15454
T1 (118)	17/08/01	23:38:52	23:44:22	00:03:04	-----	258-	8-	208-	16206
K9 (109)	17/08/01	23:44:48	23:55:09	00:10:20	00:00:26	301-	20-	56-	15318
D7 (35)	17/08/02	00:06:05	00:11:21	00:05:15	00:10:56	151-	7-	104-	92218
K4 (104)	17/08/02	00:07:47	00:18:01	00:06:40	-----	303-	20-	58-	15490
K7 (107)	17/08/02	00:10:08	00:20:29	00:02:27	-----	306-	20-	61-	15318
D8 (36)	17/08/02	00:24:44	00:33:45	00:09:00	00:04:15	174-	13-	87-	92174
K6 (106)	17/08/02	00:35:18	00:45:48	00:10:30	00:01:32	309-	21-	67-	16217
D3 (31)	17/08/02	00:45:11	00:57:11	00:11:22	-----	200-	30-	70-	92131
K3 (103)	17/08/02	01:02:09	01:12:57	00:10:48	00:04:57	311-	23-	75-	15319
D4 (32)	17/08/02	01:05:00	01:17:41	00:04:43	-----	212-	42-	65-	92218
D2 (30)	17/08/02	01:05:11	01:17:17	00:00:02	-----	202-	31-	69-	92219
T3 (105)	17/08/02	01:24:03	01:27:10	00:03:07	00:06:46	250-	6-	220-	15455
D6 (34)	17/08/02	01:29:05	01:41:29	00:12:24	00:01:54	207-	37-	67-	92222
K9 (109)	17/08/02	01:29:22	01:40:38	00:00:05	-----	312-	28-	85-	15319
D7 (35)	17/08/02	01:47:03	01:59:52	00:12:49	00:06:24	216-	46-	65-	92219
K4 (104)	17/08/02	01:52:17	02:03:40	00:03:47	-----	313-	30-	89-	15491
K7 (107)	17/08/02	01:54:23	02:06:02	00:02:22	-----	312-	34-	94-	15319
G2 (04)	17/08/02	01:59:49	02:08:05	00:02:02	-----	90-	12-	11-	1294
D8 (36)	17/08/02	02:07:36	02:20:46	00:12:41	-----	227-	69-	61-	92175
K6 (106)	17/08/02	02:19:16	02:31:17	00:10:30	-----	311-	44-	104-	16218
D3 (31)	17/08/02	02:29:57	02:43:10	00:11:52	-----	248-	66-	56-	92132
K3 (103)	17/08/02	02:45:56	02:58:13	00:12:16	00:02:46	309-	60-	114-	15320

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D2 (30)	17/08/02	02:50:03	03:03:13	00:05:00	-----	249-	63-	56-	92220
D4 (32)	17/08/02	02:50:27	03:03:30	00:00:17	-----	256-	52-	55-	92219
K9 (109)	17/08/02	03:13:03	03:25:26	00:12:22	00:09:32	305-	89-	127-	15320
D6 (34)	17/08/02	03:14:14	03:27:20	00:01:54	-----	253-	57-	55-	92223
D7 (35)	17/08/02	03:32:37	03:45:37	00:13:00	00:05:16	259-	49-	55-	92220
G2 (04)	17/08/02	03:35:14	03:48:05	00:02:28	-----	153-	86-	337-	1295
K4 (104)	17/08/02	03:36:03	03:48:23	00:00:18	-----	303-	78-	132-	15492
K7 (107)	17/08/02	03:38:06	03:50:20	00:01:56	-----	301-	62-	138-	15320
D8 (36)	17/08/02	03:53:44	04:06:26	00:12:42	00:03:24	268-	39-	55-	92176
K6 (106)	17/08/02	04:03:08	04:14:57	00:08:30	-----	296-	41-	150-	16219
A3 (07)	17/08/02	04:16:41	04:20:48	00:04:07	00:01:44	148-	6-	110-	2685
D3 (31)	17/08/02	04:16:48	04:28:59	00:08:10	-----	284-	30-	58-	92133
A4 (08)	17/08/02	04:29:52	04:37:29	00:07:36	00:00:53	167-	10-	95-	2685
K3 (103)	17/08/02	04:30:06	04:41:05	00:03:36	-----	289-	27-	163-	15321
D2 (30)	17/08/02	04:36:55	04:49:03	00:07:58	-----	285-	29-	59-	92221
D4 (32)	17/08/02	04:37:29	04:49:32	00:00:28	-----	290-	28-	61-	92220
A8 (12)	17/08/02	04:40:29	04:49:13	00:00:01	-----	174-	13-	88-	2666
A5 (09)	17/08/02	04:52:54	05:02:32	00:09:37	00:03:41	181-	16-	83-	2685
K9 (109)	17/08/02	04:57:52	05:07:07	00:04:34	-----	278-	16-	181-	15321
D6 (34)	17/08/02	05:01:10	05:13:15	00:06:08	-----	287-	28-	60-	92224
A7 (11)	17/08/02	05:04:20	05:14:54	00:01:38	-----	188-	20-	78-	2685
G2 (04)	17/08/02	05:16:44	05:24:23	00:07:39	00:01:49	220-	11-	296-	1296
A6 (10)	17/08/02	05:17:30	05:28:39	00:04:15	-----	194-	23-	74-	20187
D7 (35)	17/08/02	05:19:38	05:31:39	00:03:00	-----	291-	27-	62-	92221
K4 (104)	17/08/02	05:21:15	05:29:42	00:01:05	-----	274-	13-	188-	15493
K7 (107)	17/08/02	05:23:50	05:30:41	00:00:59	-----	265-	10-	200-	15321
A2 (06)	17/08/02	05:33:04	05:44:55	00:11:50	00:02:23	201-	31-	70-	2685
D8 (36)	17/08/02	05:40:46	05:52:45	00:07:50	-----	297-	27-	67-	92177
A1 (05)	17/08/02	05:40:54	05:52:59	00:00:13	-----	205-	34-	68-	2594
A3 (07)	17/08/02	05:56:46	06:09:17	00:12:31	00:03:46	214-	44-	66-	2686
D3 (31)	17/08/02	06:03:31	06:15:46	00:06:29	-----	303-	31-	80-	92134
S2 (113)	17/08/02	06:10:35	06:15:31	00:00:01	-----	150-	7-	101-	16418
A4 (08)	17/08/02	06:11:40	06:24:32	00:09:00	-----	223-	58-	62-	2686
A8 (12)	17/08/02	06:22:52	06:35:48	00:11:16	-----	227-	68-	61-	2667
D2 (30)	17/08/02	06:23:37	06:35:53	00:00:04	-----	304-	31-	80-	92222
D4 (32)	17/08/02	06:24:02	06:36:31	00:00:38	-----	305-	34-	87-	92221
S3 (112)	17/08/02	06:34:50	06:43:20	00:06:49	-----	173-	13-	86-	16413
A5 (09)	17/08/02	06:35:48	06:48:48	00:05:27	-----	232-	78-	60-	2686
B4 (16)	17/08/02	06:35:55	06:41:16	00:07:03	-----	152-	7-	103-	99139
D6 (34)	17/08/02	06:47:46	07:00:09	00:12:23	00:06:29	304-	33-	84-	92225
A7 (11)	17/08/02	06:47:47	07:00:50	00:00:40	-----	237-	88-	58-	2686
B3 (15)	17/08/02	06:48:41	06:56:08	00:04:04	-----	165-	10-	96-	99139
S4 (119)	17/08/02	06:59:39	07:09:58	00:10:18	00:03:30	189-	21-	74-	16330
A6 (10)	17/08/02	07:01:20	07:14:23	00:04:24	-----	242-	78-	57-	20188
B2 (14)	17/08/02	07:03:31	07:12:47	00:01:03	-----	176-	14-	85-	99139
D7 (35)	17/08/02	07:06:05	07:18:38	00:05:50	-----	305-	36-	88-	92222
A2 (06)	17/08/02	07:17:26	07:30:24	00:11:46	-----	249-	64-	56-	2686
B1 (13)	17/08/02	07:18:59	07:29:19	00:01:04	-----	185-	18-	80-	99052
S1 (116)	17/08/02	07:24:49	07:36:18	00:06:58	-----	203-	34-	66-	16331
A1 (05)	17/08/02	07:25:29	07:38:24	00:02:05	-----	251-	58-	56-	2595

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D8 (36)	17/08/02	07:26:55	07:39:48	00:01:23	-----	306-	44-	98-	92178
B6 (18)	17/08/02	07:33:13	07:44:57	00:05:09	-----	199-	27-	72-	99140
A3 (07)	17/08/02	07:41:47	07:54:34	00:09:37	-----	258-	49-	55-	2687
B7 (19)	17/08/02	07:47:30	07:59:43	00:05:08	-----	204-	33-	69-	99140
D3 (31)	17/08/02	07:49:18	08:02:31	00:02:48	-----	303-	72-	116-	92135
S2 (113)	17/08/02	07:49:57	08:02:03	00:00:02	-----	217-	51-	61-	16419
A4 (08)	17/08/02	07:57:07	08:09:44	00:07:40	-----	264-	42-	55-	2687
B8 (20)	17/08/02	08:03:44	08:16:23	00:06:39	-----	212-	42-	66-	99151
A8 (12)	17/08/02	08:08:32	08:21:00	00:04:36	-----	268-	38-	55-	2668
D2 (30)	17/08/02	08:09:21	08:22:36	00:01:36	-----	303-	75-	117-	92223
D4 (32)	17/08/02	08:09:45	08:23:00	00:00:24	-----	301-	86-	125-	92222
S3 (112)	17/08/02	08:16:04	08:28:26	00:05:26	-----	229-	78-	56-	16414
B4 (16)	17/08/02	08:16:57	08:29:45	00:01:18	-----	216-	47-	65-	99140
A5 (09)	17/08/02	08:21:40	08:33:59	00:04:13	-----	272-	36-	55-	2687
B3 (15)	17/08/02	08:30:45	08:43:46	00:09:46	-----	222-	56-	63-	99140
D6 (34)	17/08/02	08:33:28	08:46:45	00:02:59	-----	302-	84-	121-	92226
A7 (11)	17/08/02	08:33:51	08:46:02	00:00:04	-----	276-	33-	56-	2687
S4 (119)	17/08/02	08:42:00	08:54:23	00:08:20	-----	240-	74-	53-	16331
B2 (14)	17/08/02	08:46:32	08:59:43	00:05:20	-----	229-	71-	61-	99140
A6 (10)	17/08/02	08:47:33	08:59:37	00:00:06	-----	280-	31-	56-	20189
D7 (35)	17/08/02	08:51:45	09:04:59	00:05:21	-----	301-	81-	127-	92223
B1 (13)	17/08/02	09:02:37	09:15:52	00:10:53	-----	235-	85-	59-	99053
A2 (06)	17/08/02	09:03:50	09:15:45	00:00:07	-----	285-	29-	58-	2687
S1 (116)	17/08/02	09:08:07	09:20:18	00:04:32	-----	252-	51-	50-	16332
A1 (05)	17/08/02	09:11:56	09:23:48	00:03:30	-----	287-	28-	59-	2596
D8 (36)	17/08/02	09:12:36	09:25:38	00:01:50	-----	297-	56-	139-	92179
B6 (18)	17/08/02	09:17:47	09:31:02	00:05:23	-----	245-	71-	57-	99141
A3 (07)	17/08/02	09:28:20	09:40:05	00:09:03	-----	291-	27-	61-	2688
B7 (19)	17/08/02	09:32:27	09:45:38	00:05:32	-----	250-	61-	56-	99141
S2 (113)	17/08/02	09:33:58	09:45:50	00:00:12	-----	262-	38-	49-	16420
D3 (31)	17/08/02	09:35:24	09:47:02	00:01:11	-----	286-	26-	162-	92136
A4 (08)	17/08/02	09:43:42	09:55:25	00:08:23	-----	295-	27-	64-	2688
B8 (20)	17/08/02	09:49:07	10:02:10	00:06:44	-----	256-	52-	55-	99152
A8 (12)	17/08/02	09:55:06	10:06:48	00:04:37	-----	297-	27-	66-	2669
D2 (30)	17/08/02	09:55:30	10:07:00	00:00:11	-----	285-	25-	164-	92224
D4 (32)	17/08/02	09:56:19	10:06:45	00:00:01	-----	279-	18-	174-	92223
S3 (112)	17/08/02	10:00:40	10:12:08	00:05:23	-----	272-	30-	48-	16415
B4 (16)	17/08/02	10:02:31	10:15:29	00:03:21	-----	259-	48-	55-	99141
A5 (09)	17/08/02	10:08:12	10:19:54	00:04:24	-----	299-	27-	69-	2688
B3 (15)	17/08/02	10:16:36	10:29:27	00:09:33	-----	263-	43-	55-	99141
D6 (34)	17/08/02	10:19:48	10:30:46	00:01:19	-----	282-	21-	169-	92227
A7 (11)	17/08/02	10:20:19	10:32:05	00:01:19	-----	301-	27-	72-	2688
S4 (119)	17/08/02	10:27:03	10:38:07	00:06:01	-----	281-	25-	49-	16332
B2 (14)	17/08/02	10:32:43	10:45:23	00:07:16	-----	269-	38-	55-	99141
A6 (10)	17/08/02	10:33:57	10:45:47	00:00:23	-----	302-	28-	75-	20190
D7 (35)	17/08/02	10:38:25	10:48:25	00:02:37	-----	277-	16-	179-	92224
B1 (13)	17/08/02	10:49:02	11:01:33	00:12:31	00:00:37	274-	35-	56-	99054
A2 (06)	17/08/02	10:50:04	11:02:05	00:00:31	-----	304-	30-	80-	2688
S1 (116)	17/08/02	10:53:31	11:04:11	00:02:05	-----	291-	22-	51-	16333
A1 (05)	17/08/02	10:58:06	11:10:11	00:06:00	-----	304-	31-	82-	2597

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D8 (36)	17/08/02	11:00:18	11:07:38	00:02:03	-----	264-	10-	198-	92180
B6 (18)	17/08/02	11:04:33	11:16:49	00:09:11	-----	282-	31-	58-	99142
A3 (07)	17/08/02	11:14:20	11:26:35	00:09:45	-----	305-	34-	87-	2689
B7 (19)	17/08/02	11:19:21	11:31:30	00:04:55	-----	286-	29-	59-	99142
S2 (113)	17/08/02	11:19:31	11:29:57	00:01:03	-----	298-	20-	54-	16421
A4 (08)	17/08/02	11:29:31	11:41:58	00:12:00	-----	306-	39-	93-	2689
B8 (20)	17/08/02	11:36:06	11:48:09	00:06:11	-----	290-	28-	61-	99153
A8 (12)	17/08/02	11:40:48	11:53:21	00:05:12	-----	306-	42-	97-	2670
S3 (112)	17/08/02	11:46:13	11:56:34	00:03:12	-----	304-	20-	58-	16416
B4 (16)	17/08/02	11:49:31	12:01:33	00:04:58	-----	291-	28-	62-	99142
A5 (09)	17/08/02	11:53:47	12:06:27	00:04:54	-----	306-	46-	101-	2689
B3 (15)	17/08/02	12:03:38	12:15:38	00:09:10	-----	294-	27-	65-	99142
A7 (11)	17/08/02	12:05:48	12:18:35	00:02:57	-----	305-	53-	105-	2689
S4 (119)	17/08/02	12:12:26	12:22:53	00:04:18	-----	308-	20-	64-	16333
T1 (118)	17/08/02	12:17:15	12:23:58	00:01:05	-----	162-	9-	96-	16214
A6 (10)	17/08/02	12:19:20	12:32:13	00:08:14	-----	305-	60-	110-	20191
B2 (14)	17/08/02	12:19:44	12:31:44	00:00:02	-----	297-	27-	68-	99142
A2 (06)	17/08/02	12:35:21	12:48:21	00:13:00	00:03:37	303-	73-	116-	2689
B1 (13)	17/08/02	12:36:00	12:48:03	00:00:01	-----	299-	28-	71-	99055
S1 (116)	17/08/02	12:38:35	12:49:19	00:01:16	-----	311-	22-	72-	16334
A1 (05)	17/08/02	12:43:21	12:56:22	00:07:02	-----	303-	79-	119-	2598
T2 (110)	17/08/02	12:49:57	12:59:53	00:03:30	-----	185-	19-	76-	16298
B6 (18)	17/08/02	12:51:19	13:03:33	00:03:40	-----	303-	30-	78-	99143
C3 (23)	17/08/02	12:58:44	13:09:47	00:06:13	-----	191-	22-	76-	98499
A3 (07)	17/08/02	12:59:32	13:12:32	00:02:44	-----	301-	85-	126-	2690
S2 (113)	17/08/02	13:04:15	13:15:21	00:02:49	-----	312-	26-	81-	16422
B7 (19)	17/08/02	13:06:00	13:18:21	00:03:00	-----	304-	32-	82-	99143
C1 (21)	17/08/02	13:10:37	13:22:20	00:03:59	-----	199-	27-	72-	98457
A4 (08)	17/08/02	13:14:43	13:27:35	00:05:14	-----	299-	66-	133-	2690
B8 (20)	17/08/02	13:22:36	13:35:06	00:07:31	-----	305-	34-	87-	99154
T4 (114)	17/08/02	13:22:42	13:34:08	00:00:05	-----	202-	33-	66-	16301
A8 (12)	17/08/02	13:26:00	13:38:46	00:04:37	-----	297-	57-	138-	2671
S3 (112)	17/08/02	13:30:36	13:42:07	00:03:21	-----	312-	31-	90-	16417
C7 (27)	17/08/02	13:34:12	13:46:38	00:04:30	-----	207-	37-	67-	98496
B4 (16)	17/08/02	13:35:56	13:48:32	00:01:54	-----	305-	36-	89-	99143
A5 (09)	17/08/02	13:39:02	13:51:37	00:03:04	-----	295-	48-	143-	2690
B3 (15)	17/08/02	13:49:55	14:02:39	00:11:02	-----	305-	39-	93-	99143
A7 (11)	17/08/02	13:51:08	14:03:25	00:00:45	-----	293-	39-	149-	2690
S4 (119)	17/08/02	13:56:32	14:08:26	00:05:00	-----	311-	39-	100-	16334
T1 (118)	17/08/02	13:57:32	14:09:45	00:01:19	-----	222-	61-	59-	16215
A6 (10)	17/08/02	14:04:46	14:16:47	00:07:01	-----	290-	33-	154-	20192
B2 (14)	17/08/02	14:05:51	14:18:46	00:01:59	-----	305-	45-	99-	99143
T3 (105)	17/08/02	14:06:08	14:15:32	00:03:01	-----	177-	15-	82-	15463
A2 (06)	17/08/02	14:21:00	14:32:22	00:11:22	00:05:28	286-	25-	162-	2690
B1 (13)	17/08/02	14:21:59	14:35:03	00:02:40	-----	305-	51-	104-	99056
S1 (116)	17/08/02	14:22:26	14:34:40	00:00:02	-----	309-	54-	111-	16335
A1 (05)	17/08/02	14:29:07	14:40:08	00:05:27	-----	284-	23-	167-	2599
T2 (110)	17/08/02	14:32:03	14:44:26	00:04:18	-----	237-	80-	54-	16299
B6 (18)	17/08/02	14:37:07	14:50:22	00:05:56	-----	304-	67-	114-	99144
C3 (23)	17/08/02	14:42:49	14:56:06	00:05:43	-----	239-	84-	58-	98500

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A3 (07)	17/08/02	14:45:38	14:55:41	00:00:02	-----	278-	17-	176-	2691
S2 (113)	17/08/02	14:47:59	15:00:22	00:04:40	-----	307-	77-	122-	16423
B7 (19)	17/08/02	14:51:43	15:05:01	00:04:39	-----	303-	79-	119-	99144
C1 (21)	17/08/02	14:55:11	15:08:25	00:03:24	-----	245-	71-	57-	98458
A4 (08)	17/08/02	15:01:25	15:09:50	00:01:24	-----	270-	12-	189-	2691
T4 (114)	17/08/02	15:05:57	15:18:08	00:08:18	-----	251-	52-	51-	16302
B8 (20)	17/08/02	15:08:17	15:21:33	00:03:24	-----	301-	86-	125-	99155
A8 (12)	17/08/02	15:13:10	15:20:24	00:01:09	-----	264-	10-	198-	2672
S3 (112)	17/08/02	15:14:18	15:26:38	00:06:14	-----	303-	74-	133-	16418
C7 (27)	17/08/02	15:19:22	15:32:29	00:05:50	-----	253-	56-	56-	98497
B4 (16)	17/08/02	15:21:36	15:34:52	00:02:23	-----	300-	79-	128-	99144
A5 (09)	17/08/02	15:26:53	15:32:24	00:02:02	-----	255-	8-	209-	2691
B3 (15)	17/08/02	15:35:35	15:48:46	00:13:10	00:03:11	299-	67-	133-	99144
S4 (119)	17/08/02	15:40:19	15:52:22	00:03:36	-----	298-	49-	144-	16335
T1 (118)	17/08/02	15:41:48	15:53:29	00:01:07	-----	266-	34-	49-	16216
T3 (105)	17/08/02	15:48:28	16:01:16	00:07:47	-----	231-	84-	56-	15464
B2 (14)	17/08/02	15:51:33	16:04:32	00:03:15	-----	296-	53-	140-	99144
G2 (04)	17/08/02	15:54:51	16:02:22	00:02:01	-----	63-	11-	139-	1302
S1 (116)	17/08/02	16:06:29	16:17:47	00:11:18	00:04:07	292-	30-	158-	16336
B1 (13)	17/08/02	16:07:45	16:20:29	00:02:41	-----	294-	43-	146-	99057
T2 (110)	17/08/02	16:17:00	16:28:09	00:07:39	-----	279-	26-	49-	16300
B6 (18)	17/08/02	16:23:08	16:35:05	00:06:56	-----	288-	29-	158-	99145
C3 (23)	17/08/02	16:29:25	16:41:50	00:06:44	-----	278-	33-	57-	98501
S2 (113)	17/08/02	16:32:28	16:42:36	00:00:45	-----	284-	20-	173-	16424
B7 (19)	17/08/02	16:37:56	16:49:18	00:06:41	-----	284-	24-	166-	99145
C1 (21)	17/08/02	16:41:56	16:54:12	00:04:54	-----	282-	31-	58-	98459
T4 (114)	17/08/02	16:51:20	17:02:00	00:07:48	-----	290-	22-	50-	16303
B8 (20)	17/08/02	16:54:47	17:05:15	00:03:15	-----	279-	18-	174-	99156
S3 (112)	17/08/02	16:59:33	17:07:40	00:02:24	-----	272-	12-	191-	16419
C7 (27)	17/08/02	17:06:18	17:18:24	00:10:44	-----	288-	28-	60-	98498
B4 (16)	17/08/02	17:08:18	17:18:16	00:00:07	-----	277-	16-	178-	99145
B3 (15)	17/08/02	17:22:40	17:31:31	00:08:50	00:04:23	271-	13-	187-	99145
S4 (119)	17/08/02	17:27:08	17:31:24	00:00:06	-----	251-	7-	217-	16336
T1 (118)	17/08/02	17:27:22	17:37:43	00:06:19	-----	300-	20-	56-	16217
G2 (04)	17/08/02	17:31:20	17:43:36	00:05:52	-----	22-	77-	210-	1303
T3 (105)	17/08/02	17:34:01	17:45:50	00:02:14	-----	274-	30-	49-	15465
B2 (14)	17/08/02	17:39:25	17:46:17	00:00:26	-----	261-	9-	201-	99145
B1 (13)	17/08/02	17:56:47	18:00:51	00:04:04	00:10:29	247-	6-	218-	99058
T2 (110)	17/08/02	18:02:26	18:12:50	00:10:24	00:01:34	307-	20-	63-	16301
K7 (107)	17/08/02	18:03:38	18:08:54	00:03:05	-----	155-	8-	100-	15329
C3 (23)	17/08/02	18:16:19	18:28:27	00:12:08	00:07:24	301-	29-	74-	98502
K6 (106)	17/08/02	18:26:38	18:35:12	00:06:44	-----	174-	13-	86-	16228
C1 (21)	17/08/02	18:28:43	18:40:57	00:05:44	-----	303-	30-	78-	98460
T4 (114)	17/08/02	18:36:26	18:47:08	00:06:11	-----	311-	22-	72-	16304
K3 (103)	17/08/02	18:52:13	19:02:34	00:10:21	00:05:05	187-	21-	74-	15330
C7 (27)	17/08/02	18:52:53	19:05:19	00:02:44	-----	304-	33-	84-	98499
G2 (04)	17/08/02	19:11:35	19:18:41	00:07:05	00:06:16	348-	10-	274-	1304
T1 (118)	17/08/02	19:11:57	19:23:12	00:04:31	-----	312-	28-	84-	16218
K9 (109)	17/08/02	19:18:33	19:30:07	00:06:54	-----	205-	36-	65-	15330
T3 (105)	17/08/02	19:20:23	19:31:15	00:01:07	-----	304-	21-	61-	15466

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
K4 (104)	17/08/02	19:42:21	19:54:08	00:11:46	00:11:06	210-	42-	63-	15502
K7 (107)	17/08/02	19:43:10	19:55:16	00:01:08	-----	218-	53-	60-	15330
T2 (110)	17/08/02	19:46:35	19:58:23	00:03:07	-----	312-	37-	97-	16302
C3 (23)	17/08/02	20:02:13	20:15:23	00:13:10	00:03:49	305-	57-	108-	98503
K6 (106)	17/08/02	20:07:54	20:20:16	00:04:52	-----	229-	79-	56-	16229
C1 (21)	17/08/02	20:14:31	20:27:46	00:07:30	-----	304-	67-	113-	98461
T4 (114)	17/08/02	20:20:17	20:32:29	00:04:43	-----	310-	53-	110-	16305
K3 (103)	17/08/02	20:34:36	20:46:57	00:12:21	00:02:06	240-	72-	53-	15331
C7 (27)	17/08/02	20:38:35	20:51:53	00:04:55	-----	302-	85-	122-	98500
T1 (118)	17/08/02	20:55:38	21:08:02	00:12:23	00:03:45	305-	88-	126-	16219
K9 (109)	17/08/02	21:01:57	21:14:04	00:06:01	-----	253-	48-	50-	15331
T3 (105)	17/08/02	21:05:34	21:17:40	00:03:35	-----	312-	34-	94-	15467
K4 (104)	17/08/02	21:26:10	21:38:04	00:11:54	00:08:29	258-	42-	49-	15503
K7 (107)	17/08/02	21:27:13	21:39:02	00:00:57	-----	263-	37-	49-	15331
T2 (110)	17/08/02	21:30:20	21:42:29	00:03:26	-----	299-	54-	142-	16303
C3 (23)	17/08/02	21:48:05	22:00:32	00:12:26	00:05:35	291-	36-	151-	98504
K6 (106)	17/08/02	21:52:32	22:03:57	00:03:25	-----	273-	30-	48-	16230
C1 (21)	17/08/02	22:00:31	22:12:29	00:08:32	-----	288-	29-	158-	98462
T4 (114)	17/08/02	22:04:19	22:15:41	00:03:11	-----	292-	31-	158-	16306
K3 (103)	17/08/02	22:19:40	22:30:41	00:11:00	00:03:59	282-	25-	49-	15332
C7 (27)	17/08/02	22:24:56	22:35:55	00:05:13	-----	282-	21-	169-	98501
T1 (118)	17/08/02	22:40:23	22:49:50	00:09:27	00:04:28	280-	17-	179-	16220
K9 (109)	17/08/02	22:47:23	22:57:59	00:08:08	-----	292-	22-	51-	15332
T3 (105)	17/08/02	22:50:09	23:02:53	00:04:53	-----	302-	66-	137-	15468
K4 (104)	17/08/02	23:11:46	23:22:10	00:10:23	00:08:53	295-	21-	52-	15504
K7 (107)	17/08/02	23:12:47	23:23:10	00:01:00	-----	298-	20-	54-	15332
T2 (110)	17/08/02	23:16:36	23:22:11	00:00:05	-----	259-	8-	208-	16304
K6 (106)	17/08/02	23:38:04	23:48:23	00:10:19	00:15:52	304-	20-	59-	16231
D8 (36)	17/08/02	23:50:54	23:58:33	00:07:38	00:02:30	166-	10-	95-	92188
K3 (103)	17/08/03	00:05:02	00:15:28	00:10:25	00:06:29	308-	20-	65-	15333
D3 (31)	17/08/03	00:10:53	00:22:23	00:06:55	-----	194-	25-	73-	92145
D2 (30)	17/08/03	00:30:52	00:42:30	00:11:37	00:08:28	195-	26-	72-	92233
D4 (32)	17/08/03	00:31:07	00:43:30	00:01:00	-----	206-	36-	68-	92232
K9 (109)	17/08/03	00:32:24	00:43:10	00:00:02	-----	311-	23-	73-	15333
T3 (105)	17/08/03	00:36:33	00:44:18	00:01:07	-----	269-	11-	195-	15469
D6 (34)	17/08/03	00:54:44	01:06:45	00:12:01	00:10:26	201-	31-	70-	92236
K4 (104)	17/08/03	00:56:44	01:07:34	00:00:49	-----	312-	24-	77-	15505
K7 (107)	17/08/03	00:57:29	01:08:35	00:01:01	-----	312-	26-	81-	15333
D7 (35)	17/08/03	01:12:37	01:25:09	00:12:31	00:04:02	209-	39-	67-	92233
K6 (106)	17/08/03	01:22:26	01:33:56	00:08:47	-----	312-	31-	90-	16232
D8 (36)	17/08/03	01:33:04	01:46:06	00:12:10	-----	222-	58-	62-	92189
K3 (103)	17/08/03	01:49:06	02:01:00	00:11:53	00:03:00	311-	40-	100-	15334
D3 (31)	17/08/03	01:55:16	02:08:32	00:07:32	-----	243-	75-	57-	92146
D2 (30)	17/08/03	02:15:21	02:28:36	00:13:14	00:06:49	244-	73-	57-	92234
K9 (109)	17/08/03	02:16:13	02:28:28	00:00:07	-----	309-	57-	112-	15334
D4 (32)	17/08/03	02:16:15	02:29:25	00:00:56	-----	252-	58-	56-	92233
D6 (34)	17/08/03	02:39:32	02:52:44	00:13:11	00:10:06	248-	65-	56-	92237
K4 (104)	17/08/03	02:40:34	02:52:51	00:00:07	-----	308-	66-	117-	15506
K7 (107)	17/08/03	02:41:12	02:53:34	00:00:42	-----	306-	79-	122-	15334
D7 (35)	17/08/03	02:57:52	03:10:58	00:13:06	00:04:17	254-	55-	55-	92234

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K6 (106)	17/08/03	03:06:08	03:18:27	00:07:28	-----	303-	73-	133-	16233
G2 (04)	17/08/03	03:07:14	03:19:30	00:01:03	-----	134-	43-	347-	1309
D8 (36)	17/08/03	03:18:57	03:31:48	00:12:17	-----	264-	43-	55-	92190
K3 (103)	17/08/03	03:32:54	03:44:54	00:12:00	00:01:06	298-	48-	145-	15335
D3 (31)	17/08/03	03:42:00	03:54:17	00:09:22	-----	280-	31-	57-	92147
A4 (08)	17/08/03	03:50:54	03:55:09	00:00:52	-----	144-	7-	105-	2699
K9 (109)	17/08/03	04:00:20	04:11:30	00:11:10	00:05:10	291-	29-	161-	15335
A8 (12)	17/08/03	04:00:57	04:07:24	00:04:05	-----	160-	9-	101-	2680
D2 (30)	17/08/03	04:02:06	04:14:21	00:06:57	-----	281-	31-	57-	92235
D4 (32)	17/08/03	04:03:14	04:15:21	00:00:59	-----	287-	29-	60-	92234
A5 (09)	17/08/03	04:13:05	04:20:59	00:05:38	-----	168-	11-	93-	2699
A7 (11)	17/08/03	04:24:17	04:33:33	00:09:15	00:03:17	178-	14-	85-	2699
K4 (104)	17/08/03	04:24:55	04:35:35	00:02:02	-----	287-	24-	167-	15507
K7 (107)	17/08/03	04:25:43	04:35:42	00:00:06	-----	283-	19-	174-	15335
D6 (34)	17/08/03	04:26:23	04:38:33	00:02:50	-----	284-	29-	58-	92238
A6 (10)	17/08/03	04:37:19	04:47:24	00:08:51	-----	184-	17-	80-	20201
D7 (35)	17/08/03	04:44:50	04:56:54	00:09:29	-----	288-	28-	60-	92235
G2 (04)	17/08/03	04:46:22	04:57:26	00:00:31	-----	193-	23-	314-	1310
K6 (106)	17/08/03	04:51:24	04:59:26	00:02:00	-----	272-	12-	192-	16234
A2 (06)	17/08/03	04:52:42	05:03:48	00:04:22	-----	194-	23-	75-	2699
A1 (05)	17/08/03	05:00:28	05:11:54	00:08:06	-----	195-	26-	73-	2608
D8 (36)	17/08/03	05:06:00	05:17:59	00:06:05	-----	294-	27-	65-	92191
A3 (07)	17/08/03	05:16:15	05:28:16	00:10:17	-----	204-	33-	69-	2700
K3 (103)	17/08/03	05:19:54	05:23:45	00:04:03	-----	253-	6-	215-	15336
D3 (31)	17/08/03	05:28:49	05:40:58	00:12:08	00:05:03	302-	29-	76-	92148
A4 (08)	17/08/03	05:31:00	05:43:34	00:02:35	-----	215-	44-	65-	2700
A8 (12)	17/08/03	05:42:09	05:54:53	00:11:19	-----	219-	52-	64-	2681
D2 (30)	17/08/03	05:48:55	06:01:04	00:06:11	-----	302-	30-	77-	92236
D4 (32)	17/08/03	05:49:53	06:02:15	00:01:11	-----	304-	32-	83-	92235
A5 (09)	17/08/03	05:55:02	06:07:54	00:05:38	-----	224-	61-	62-	2700
S4 (119)	17/08/03	06:04:31	06:12:01	00:04:06	-----	166-	11-	92-	16344
A7 (11)	17/08/03	06:06:57	06:19:57	00:07:56	-----	230-	73-	60-	2700
D6 (34)	17/08/03	06:13:06	06:25:22	00:05:24	-----	303-	31-	80-	92239
B3 (15)	17/08/03	06:15:08	06:20:33	00:04:04	-----	152-	7-	103-	99153
A6 (10)	17/08/03	06:20:28	06:33:31	00:12:57	-----	234-	84-	59-	20202
S1 (116)	17/08/03	06:28:59	06:38:54	00:05:23	-----	185-	19-	76-	16345
B2 (14)	17/08/03	06:29:35	06:37:34	00:01:02	-----	168-	11-	93-	99153
D7 (35)	17/08/03	06:31:24	06:43:49	00:06:14	-----	305-	33-	85-	92236
A2 (06)	17/08/03	06:36:30	06:49:33	00:05:43	-----	241-	79-	57-	2700
A1 (05)	17/08/03	06:44:30	06:57:32	00:07:58	-----	244-	72-	57-	2609
B1 (13)	17/08/03	06:44:51	06:54:16	00:03:01	-----	178-	14-	85-	99066
D8 (36)	17/08/03	06:52:16	07:05:01	00:10:45	-----	306-	40-	93-	92192
S2 (113)	17/08/03	06:53:45	07:04:54	00:00:06	-----	198-	29-	68-	16433
B6 (18)	17/08/03	06:58:54	07:10:03	00:05:08	-----	192-	22-	75-	99154
A3 (07)	17/08/03	07:00:46	07:13:42	00:03:39	-----	251-	60-	56-	2701
B7 (19)	17/08/03	07:13:06	07:24:52	00:11:09	-----	197-	28-	71-	99154
D3 (31)	17/08/03	07:14:40	07:27:50	00:02:57	-----	304-	63-	111-	92149
A4 (08)	17/08/03	07:16:02	07:28:51	00:01:00	-----	258-	49-	55-	2701
S3 (112)	17/08/03	07:19:32	07:31:27	00:02:36	-----	212-	44-	62-	16428
A8 (12)	17/08/03	07:27:26	07:40:07	00:08:39	-----	262-	45-	55-	2682

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B8 (20)	17/08/03	07:29:15	07:41:34	00:01:27	-----	205-	35-	68-	99165
D2 (30)	17/08/03	07:34:44	07:47:55	00:06:20	-----	304-	65-	112-	92237
D4 (32)	17/08/03	07:35:39	07:48:55	00:01:00	-----	302-	82-	120-	92236
A5 (09)	17/08/03	07:40:33	07:53:05	00:04:10	-----	265-	41-	55-	2701
B4 (16)	17/08/03	07:42:27	07:54:57	00:01:51	-----	209-	39-	66-	99154
S4 (119)	17/08/03	07:45:12	07:57:30	00:02:32	-----	224-	67-	58-	16345
A7 (11)	17/08/03	07:52:44	08:05:08	00:07:37	-----	270-	37-	55-	2701
B3 (15)	17/08/03	07:56:12	08:09:00	00:03:52	-----	216-	47-	65-	99154
D6 (34)	17/08/03	07:58:51	08:12:06	00:03:06	-----	303-	73-	116-	92240
A6 (10)	17/08/03	08:06:26	08:18:42	00:06:35	-----	274-	34-	55-	20203
S1 (116)	17/08/03	08:11:04	08:23:28	00:04:46	-----	237-	80-	54-	16346
B2 (14)	17/08/03	08:11:55	08:25:00	00:01:31	-----	223-	60-	62-	99154
D7 (35)	17/08/03	08:17:06	08:30:21	00:05:22	-----	302-	87-	122-	92237
A2 (06)	17/08/03	08:22:42	08:34:48	00:04:26	-----	279-	31-	56-	2701
B1 (13)	17/08/03	08:27:57	08:41:09	00:06:21	-----	229-	73-	60-	99067
A1 (05)	17/08/03	08:30:47	08:42:49	00:01:39	-----	282-	30-	57-	2610
S2 (113)	17/08/03	08:36:44	08:49:01	00:06:11	-----	248-	57-	51-	16434
D8 (36)	17/08/03	08:37:56	08:51:06	00:02:05	-----	299-	66-	134-	92193
B6 (18)	17/08/03	08:43:03	08:56:19	00:05:13	-----	240-	82-	58-	99155
A3 (07)	17/08/03	08:47:13	08:59:05	00:02:45	-----	286-	28-	59-	2702
B7 (19)	17/08/03	08:57:41	09:10:56	00:11:50	-----	246-	70-	57-	99155
D3 (31)	17/08/03	09:00:37	09:12:44	00:01:47	-----	289-	32-	156-	92150
A4 (08)	17/08/03	09:02:35	09:14:22	00:01:38	-----	291-	27-	61-	2702
S3 (112)	17/08/03	09:03:18	09:15:17	00:00:55	-----	259-	42-	49-	16429
A8 (12)	17/08/03	09:14:01	09:25:44	00:10:26	-----	293-	27-	63-	2683
B8 (20)	17/08/03	09:14:18	09:27:27	00:01:43	-----	252-	59-	56-	99166
D2 (30)	17/08/03	09:20:42	09:32:43	00:05:15	-----	289-	30-	158-	92238
D4 (32)	17/08/03	09:21:58	09:33:04	00:00:21	-----	283-	22-	167-	92237
A5 (09)	17/08/03	09:27:08	09:38:49	00:05:44	-----	295-	26-	65-	2702
B4 (16)	17/08/03	09:27:42	09:40:47	00:01:57	-----	254-	54-	55-	99155
S4 (119)	17/08/03	09:29:36	09:41:13	00:00:26	-----	269-	33-	48-	16346
A7 (11)	17/08/03	09:39:17	09:51:00	00:09:46	-----	298-	27-	68-	2702
B3 (15)	17/08/03	09:41:46	09:54:44	00:03:44	-----	259-	48-	55-	99155
D6 (34)	17/08/03	09:44:58	09:56:34	00:01:49	-----	286-	26-	163-	92241
A6 (10)	17/08/03	09:52:56	10:04:41	00:08:06	-----	300-	27-	70-	20204
S1 (116)	17/08/03	09:56:01	10:07:11	00:02:30	-----	279-	26-	49-	16347
B2 (14)	17/08/03	09:57:52	10:10:40	00:03:29	-----	265-	42-	55-	99155
D7 (35)	17/08/03	10:03:29	10:14:16	00:03:36	-----	281-	20-	171-	92238
A2 (06)	17/08/03	10:09:05	10:20:58	00:06:41	-----	302-	28-	75-	2702
B1 (13)	17/08/03	10:14:10	10:26:49	00:05:51	-----	270-	38-	55-	99068
A1 (05)	17/08/03	10:17:07	10:29:03	00:02:13	-----	303-	29-	77-	2611
S2 (113)	17/08/03	10:22:03	10:32:50	00:03:47	-----	288-	23-	50-	16435
D8 (36)	17/08/03	10:25:05	10:33:49	00:00:59	-----	271-	13-	187-	92194
B6 (18)	17/08/03	10:29:40	10:42:03	00:08:13	-----	278-	32-	57-	99156
A3 (07)	17/08/03	10:33:24	10:45:27	00:03:24	-----	304-	31-	81-	2703
B7 (19)	17/08/03	10:44:28	10:56:43	00:11:15	-----	282-	30-	58-	99156
A4 (08)	17/08/03	10:48:35	11:00:51	00:04:07	-----	305-	34-	87-	2703
S3 (112)	17/08/03	10:48:49	10:59:19	00:01:03	-----	295-	21-	53-	16430
A8 (12)	17/08/03	10:59:54	11:12:16	00:12:21	00:00:34	306-	37-	90-	2684
B8 (20)	17/08/03	11:01:13	11:13:20	00:01:04	-----	287-	29-	60-	99167

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A5 (09)	17/08/03	11:12:54	11:25:22	00:12:01	-----	306-	40-	94-	2703
B4 (16)	17/08/03	11:14:39	11:26:43	00:01:21	-----	288-	28-	61-	99156
S4 (119)	17/08/03	11:15:10	11:25:31	00:01:01	-----	302-	20-	57-	16347
A7 (11)	17/08/03	11:24:55	11:37:33	00:12:01	-----	306-	44-	99-	2703
B3 (15)	17/08/03	11:28:47	11:40:48	00:03:14	-----	291-	28-	62-	99156
A6 (10)	17/08/03	11:38:29	11:51:12	00:10:24	-----	305-	49-	103-	20205
S1 (116)	17/08/03	11:41:27	11:51:52	00:00:39	-----	307-	20-	63-	16348
B2 (14)	17/08/03	11:44:54	11:56:53	00:05:01	-----	295-	27-	65-	99156
A2 (06)	17/08/03	11:54:29	12:07:24	00:10:30	-----	305-	59-	109-	2703
T2 (110)	17/08/03	11:55:03	12:01:42	00:05:04	-----	161-	9-	97-	16312
B1 (13)	17/08/03	12:01:10	12:13:11	00:11:28	-----	298-	27-	68-	99069
A1 (05)	17/08/03	12:02:28	12:15:25	00:02:14	-----	304-	64-	112-	2612
S2 (113)	17/08/03	12:07:14	12:17:51	00:02:26	-----	310-	22-	70-	16436
B6 (18)	17/08/03	12:16:32	12:28:41	00:10:49	-----	301-	29-	75-	99157
A3 (07)	17/08/03	12:18:40	12:31:40	00:02:58	-----	303-	77-	118-	2704
C3 (23)	17/08/03	12:24:38	12:34:56	00:03:16	-----	184-	18-	80-	98513
T4 (114)	17/08/03	12:26:53	12:36:42	00:01:45	-----	184-	18-	77-	16315
B7 (19)	17/08/03	12:31:14	12:43:28	00:06:46	-----	303-	30-	78-	99157
S3 (112)	17/08/03	12:33:40	12:44:38	00:01:10	-----	312-	24-	78-	16431
A4 (08)	17/08/03	12:33:48	12:46:47	00:02:08	-----	301-	84-	126-	2704
C1 (21)	17/08/03	12:36:19	12:47:28	00:00:40	-----	192-	22-	75-	98471
A8 (12)	17/08/03	12:45:06	12:58:02	00:10:34	-----	300-	74-	130-	2685
B8 (20)	17/08/03	12:47:50	13:00:12	00:02:10	-----	304-	32-	83-	99168
A5 (09)	17/08/03	12:58:06	13:10:56	00:10:43	-----	298-	63-	135-	2704
S4 (119)	17/08/03	12:59:40	13:11:02	00:00:06	-----	312-	29-	87-	16348
C7 (27)	17/08/03	12:59:49	13:11:51	00:00:48	-----	201-	31-	70-	98510
T1 (118)	17/08/03	13:01:11	13:12:41	00:00:50	-----	203-	34-	66-	16229
B4 (16)	17/08/03	13:01:11	13:13:39	00:00:58	-----	305-	34-	85-	99157
A7 (11)	17/08/03	13:10:10	13:22:49	00:09:10	-----	296-	52-	141-	2704
B3 (15)	17/08/03	13:15:11	13:27:47	00:04:57	-----	305-	36-	89-	99157
T3 (105)	17/08/03	13:22:13	13:29:02	00:01:14	-----	160-	9-	97-	15477
A6 (10)	17/08/03	13:23:46	13:36:14	00:07:12	-----	294-	44-	145-	20206
S1 (116)	17/08/03	13:25:37	13:37:25	00:01:11	-----	312-	37-	97-	16349
B2 (14)	17/08/03	13:31:08	13:43:55	00:06:29	-----	305-	41-	95-	99157
T2 (110)	17/08/03	13:35:18	13:47:31	00:03:35	-----	221-	61-	59-	16313
A2 (06)	17/08/03	13:39:55	13:51:58	00:04:27	-----	290-	34-	153-	2704
B1 (13)	17/08/03	13:47:16	14:00:13	00:08:14	-----	305-	46-	99-	99070
A1 (05)	17/08/03	13:47:59	13:59:48	00:00:02	-----	289-	30-	157-	2613
S2 (113)	17/08/03	13:51:09	14:03:17	00:03:29	-----	310-	48-	107-	16437
B6 (18)	17/08/03	14:02:25	14:15:36	00:12:18	-----	305-	59-	109-	99158
A3 (07)	17/08/03	14:04:24	14:15:30	00:00:05	-----	284-	23-	166-	2705
C3 (23)	17/08/03	14:08:15	14:21:31	00:06:00	-----	234-	85-	59-	98514
T4 (114)	17/08/03	14:08:54	14:21:18	00:00:01	-----	236-	82-	54-	16316
B7 (19)	17/08/03	14:17:01	14:30:16	00:08:58	-----	304-	68-	114-	99158
S3 (112)	17/08/03	14:17:26	14:29:47	00:00:02	-----	308-	68-	118-	16432
A4 (08)	17/08/03	14:19:55	14:29:52	00:00:05	-----	278-	17-	176-	2705
C1 (21)	17/08/03	14:20:28	14:33:44	00:03:51	-----	240-	82-	58-	98472
A8 (12)	17/08/03	14:31:30	14:40:41	00:06:57	-----	274-	14-	184-	2686
B8 (20)	17/08/03	14:33:33	14:46:50	00:06:08	-----	302-	82-	120-	99169
S4 (119)	17/08/03	14:43:22	14:55:45	00:08:55	-----	304-	85-	129-	16349

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
T1 (118)	17/08/03	14:44:30	14:56:39	00:00:53	-----	252-	50-	50-	16230
C7 (27)	17/08/03	14:44:37	14:57:49	00:01:09	-----	248-	64-	56-	98511
A5 (09)	17/08/03	14:44:54	14:53:02	00:04:04	-----	268-	12-	191-	2705
B4 (16)	17/08/03	14:46:53	15:00:10	00:07:08	-----	302-	89-	123-	99158
A7 (11)	17/08/03	14:57:40	15:04:01	00:03:50	-----	259-	9-	203-	2705
B3 (15)	17/08/03	15:00:51	15:14:07	00:10:06	-----	300-	79-	128-	99158
T3 (105)	17/08/03	15:03:09	15:15:46	00:01:39	-----	220-	59-	59-	15478
S1 (116)	17/08/03	15:09:23	15:21:31	00:05:45	-----	300-	55-	141-	16350
A6 (10)	17/08/03	15:12:14	15:16:18	00:05:01	-----	251-	6-	213-	20207
B2 (14)	17/08/03	15:16:48	15:29:56	00:13:08	00:00:29	298-	63-	135-	99158
T2 (110)	17/08/03	15:19:33	15:31:15	00:01:18	-----	266-	34-	49-	16314
B1 (13)	17/08/03	15:32:59	15:45:56	00:12:57	00:01:43	296-	52-	141-	99071
S2 (113)	17/08/03	15:35:06	15:46:42	00:00:45	-----	294-	36-	154-	16438
B6 (18)	17/08/03	15:48:18	16:00:40	00:12:22	00:01:35	291-	35-	152-	99159
T4 (114)	17/08/03	15:53:50	16:05:00	00:04:19	-----	279-	27-	48-	16317
C3 (23)	17/08/03	15:54:40	16:07:12	00:02:12	-----	274-	35-	56-	98515
S3 (112)	17/08/03	16:01:44	16:12:22	00:05:09	-----	287-	23-	168-	16433
B7 (19)	17/08/03	16:03:03	16:14:58	00:02:36	-----	288-	28-	159-	99159
C1 (21)	17/08/03	16:07:05	16:19:27	00:04:29	-----	278-	32-	57-	98473
B8 (20)	17/08/03	16:19:49	16:31:00	00:11:10	00:00:21	283-	22-	167-	99170
S4 (119)	17/08/03	16:28:16	16:37:15	00:06:15	-----	277-	15-	183-	16350
T1 (118)	17/08/03	16:29:55	16:40:33	00:03:18	-----	291-	22-	51-	16231
C7 (27)	17/08/03	16:31:28	16:43:39	00:03:06	-----	284-	30-	59-	98512
B4 (16)	17/08/03	16:33:17	16:44:06	00:00:27	-----	281-	20-	171-	99159
B3 (15)	17/08/03	16:47:33	16:57:29	00:09:55	00:03:27	276-	16-	179-	99159
T3 (105)	17/08/03	16:48:12	17:00:23	00:02:53	-----	265-	36-	49-	15479
S1 (116)	17/08/03	16:55:37	17:01:15	00:00:51	-----	259-	8-	208-	16351
G2 (04)	17/08/03	17:03:03	17:15:04	00:12:00	00:01:48	32-	51-	190-	1317
B2 (14)	17/08/03	17:04:04	17:12:30	00:02:03	-----	269-	12-	190-	99159
T2 (110)	17/08/03	17:05:07	17:15:29	00:02:59	-----	300-	20-	55-	16315
B1 (13)	17/08/03	17:20:57	17:27:34	00:06:36	00:05:28	260-	9-	202-	99072
T4 (114)	17/08/03	17:39:16	17:49:40	00:10:23	00:11:42	307-	20-	62-	16318
C3 (23)	17/08/03	17:41:38	17:53:42	00:04:02	-----	299-	28-	71-	98516
C1 (21)	17/08/03	17:53:57	18:06:05	00:12:07	00:00:14	301-	29-	74-	98474
K3 (103)	17/08/03	17:57:01	18:04:38	00:01:02	-----	167-	11-	91-	15344
T1 (118)	17/08/03	18:14:58	18:25:43	00:10:44	00:10:20	311-	23-	73-	16232
C7 (27)	17/08/03	18:18:10	18:30:28	00:04:45	-----	303-	31-	80-	98513
K9 (109)	17/08/03	18:22:40	18:32:46	00:02:18	-----	184-	20-	75-	15344
T3 (105)	17/08/03	18:34:37	18:45:29	00:10:52	00:01:50	299-	21-	56-	15480
G2 (04)	17/08/03	18:42:11	18:52:09	00:06:40	-----	1-	20-	250-	1318
K7 (107)	17/08/03	18:46:55	18:58:08	00:05:58	-----	199-	30-	68-	15344
K4 (104)	17/08/03	18:47:36	18:58:17	00:00:09	-----	192-	24-	71-	15516
T2 (110)	17/08/03	18:49:42	19:00:58	00:02:40	-----	312-	27-	84-	16316
K6 (106)	17/08/03	19:11:21	19:23:16	00:11:55	00:10:23	212-	45-	62-	16243
T4 (114)	17/08/03	19:23:27	19:35:13	00:11:45	00:00:10	312-	36-	96-	16319
C3 (23)	17/08/03	19:27:39	19:40:43	00:05:29	-----	305-	51-	104-	98517
K3 (103)	17/08/03	19:37:46	19:50:04	00:09:21	-----	225-	69-	58-	15345
C1 (21)	17/08/03	19:39:50	19:53:00	00:02:56	-----	305-	59-	109-	98475
T1 (118)	17/08/03	19:58:48	20:11:03	00:12:14	00:05:47	309-	55-	112-	16233
C7 (27)	17/08/03	20:03:55	20:17:12	00:06:09	-----	303-	74-	117-	98514

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K9 (109)	17/08/03	20:04:53	20:17:15	00:00:03	-----	238-	77-	53-	15345
T3 (105)	17/08/03	20:20:06	20:31:50	00:11:43	00:02:50	312-	29-	85-	15481
K7 (107)	17/08/03	20:29:58	20:42:13	00:10:23	-----	249-	56-	51-	15345
K4 (104)	17/08/03	20:30:23	20:42:37	00:00:24	-----	244-	65-	52-	15517
T2 (110)	17/08/03	20:33:24	20:45:48	00:03:10	-----	305-	88-	126-	16317
K6 (106)	17/08/03	20:55:09	21:07:06	00:11:57	00:09:20	259-	41-	49-	16244
T4 (114)	17/08/03	21:07:12	21:19:21	00:12:09	00:00:05	300-	56-	141-	16320
C3 (23)	17/08/03	21:13:25	21:26:10	00:06:48	-----	294-	43-	146-	98518
K3 (103)	17/08/03	21:22:12	21:33:46	00:07:35	-----	269-	32-	48-	15346
C1 (21)	17/08/03	21:25:42	21:38:05	00:04:19	-----	291-	35-	152-	98476
T1 (118)	17/08/03	21:42:52	21:54:08	00:11:16	00:04:46	291-	30-	159-	16234
K9 (109)	17/08/03	21:49:53	22:00:58	00:06:50	-----	280-	26-	49-	15346
C7 (27)	17/08/03	21:50:03	22:01:39	00:00:40	-----	286-	26-	163-	98515
T3 (105)	17/08/03	22:04:41	22:17:31	00:12:50	00:03:01	305-	88-	126-	15482
K7 (107)	17/08/03	22:15:18	22:26:02	00:08:31	-----	288-	23-	50-	15346
K4 (104)	17/08/03	22:15:40	22:26:28	00:00:25	-----	285-	24-	49-	15518
T2 (110)	17/08/03	22:18:07	22:27:37	00:01:08	-----	280-	17-	179-	16318
K6 (106)	17/08/03	22:40:40	22:51:08	00:10:27	00:13:03	296-	21-	53-	16245
T4 (114)	17/08/03	22:53:19	22:59:13	00:05:53	00:02:11	260-	8-	206-	16321
C3 (23)	17/08/03	23:02:22	23:06:39	00:04:16	00:03:09	248-	6-	216-	98519
K3 (103)	17/08/03	23:07:45	23:18:05	00:10:19	00:01:06	302-	20-	57-	15347
D8 (36)	17/08/03	23:17:25	23:23:06	00:05:00	-----	157-	8-	102-	92202
K9 (109)	17/08/03	23:35:18	23:45:42	00:10:24	00:12:12	307-	20-	63-	15347
D3 (31)	17/08/03	23:36:38	23:47:32	00:01:50	-----	190-	21-	77-	92159
T3 (105)	17/08/03	23:50:15	00:00:10	00:09:55	00:02:42	281-	17-	178-	15483
D2 (30)	17/08/03	23:56:37	00:07:40	00:07:29	-----	191-	22-	76-	92247
D4 (32)	17/08/03	23:57:17	00:09:17	00:01:37	-----	200-	30-	70-	92246
K7 (107)	17/08/04	00:00:28	00:11:05	00:01:47	-----	310-	22-	70-	15347
K4 (104)	17/08/04	00:01:03	00:11:28	00:00:22	-----	309-	21-	67-	15519
D6 (34)	17/08/04	00:20:27	00:31:59	00:11:32	00:08:58	194-	25-	73-	92250
K6 (106)	17/08/04	00:25:31	00:36:28	00:04:29	-----	312-	24-	78-	16246
D7 (35)	17/08/04	00:38:14	00:50:24	00:12:09	00:01:46	203-	32-	69-	92247
K3 (103)	17/08/04	00:52:15	01:03:36	00:11:21	00:01:50	312-	29-	87-	15348
D8 (36)	17/08/04	00:58:34	01:11:25	00:07:49	-----	217-	48-	64-	92203
K9 (109)	17/08/04	01:19:25	01:31:15	00:11:49	00:08:00	312-	38-	98-	15348
D3 (31)	17/08/04	01:20:37	01:33:54	00:02:39	-----	238-	87-	58-	92160
D2 (30)	17/08/04	01:40:42	01:53:58	00:13:16	00:06:47	239-	84-	58-	92248
D4 (32)	17/08/04	01:42:05	01:55:19	00:01:21	-----	247-	66-	56-	92247
K7 (107)	17/08/04	01:44:22	01:56:30	00:01:10	-----	310-	49-	108-	15348
K4 (104)	17/08/04	01:45:07	01:57:04	00:00:34	-----	311-	43-	103-	15520
D6 (34)	17/08/04	02:04:52	02:18:07	00:13:15	00:07:47	243-	74-	57-	92251
K6 (106)	17/08/04	02:09:15	02:21:36	00:03:28	-----	308-	69-	118-	16247
D7 (35)	17/08/04	02:23:08	02:36:20	00:13:12	00:01:32	249-	62-	56-	92248
K3 (103)	17/08/04	02:35:56	02:48:18	00:11:57	-----	304-	84-	129-	15349
G2 (04)	17/08/04	02:39:48	02:50:39	00:02:21	-----	114-	23-	358-	1323
D8 (36)	17/08/04	02:44:11	02:57:09	00:06:29	-----	259-	47-	55-	92204
K9 (109)	17/08/04	03:03:11	03:15:16	00:12:04	00:06:02	299-	52-	143-	15349
D3 (31)	17/08/04	03:07:10	03:19:36	00:04:19	-----	276-	33-	56-	92161
D2 (30)	17/08/04	03:27:18	03:39:40	00:12:22	00:07:41	277-	32-	56-	92249
K7 (107)	17/08/04	03:28:20	03:39:53	00:00:12	-----	294-	35-	155-	15349

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D4 (32)	17/08/04	03:28:58	03:41:10	00:01:17	-----	284-	30-	58-	92248
K4 (104)	17/08/04	03:29:04	03:40:54	00:00:01	-----	296-	42-	149-	15521
A5 (09)	17/08/04	03:33:52	03:38:52	00:02:02	-----	150-	7-	104-	2713
A7 (11)	17/08/04	03:44:34	03:51:53	00:07:19	00:05:42	165-	10-	96-	2713
D6 (34)	17/08/04	03:51:35	04:03:52	00:11:58	-----	281-	31-	57-	92252
K6 (106)	17/08/04	03:53:35	04:04:07	00:00:15	-----	286-	23-	168-	16248
A6 (10)	17/08/04	03:57:23	04:05:57	00:01:50	-----	173-	12-	89-	20215
D7 (35)	17/08/04	04:10:01	04:22:11	00:12:09	00:04:03	285-	29-	59-	92249
A2 (06)	17/08/04	04:12:32	04:22:32	00:00:21	-----	184-	17-	81-	2713
G2 (04)	17/08/04	04:17:08	04:29:37	00:07:04	-----	172-	47-	326-	1324
A1 (05)	17/08/04	04:20:11	04:30:42	00:01:04	-----	188-	19-	78-	2622
K3 (103)	17/08/04	04:20:53	04:29:46	00:00:05	-----	276-	14-	185-	15350
D8 (36)	17/08/04	04:31:13	04:43:13	00:12:00	00:01:26	292-	27-	63-	92205
A3 (07)	17/08/04	04:35:51	04:47:11	00:03:57	-----	194-	25-	73-	2714
K9 (109)	17/08/04	04:49:42	04:54:40	00:04:58	00:02:30	255-	7-	213-	15350
A4 (08)	17/08/04	04:50:27	05:02:32	00:07:52	-----	204-	34-	68-	2714
D3 (31)	17/08/04	04:54:06	05:06:10	00:03:37	-----	301-	28-	73-	92162
A8 (12)	17/08/04	05:01:34	05:13:54	00:07:44	-----	210-	39-	66-	2695
D2 (30)	17/08/04	05:14:12	05:26:16	00:12:04	00:00:17	301-	28-	74-	92250
A5 (09)	17/08/04	05:14:22	05:26:57	00:00:41	-----	216-	46-	65-	2714
D4 (32)	17/08/04	05:15:44	05:28:00	00:01:02	-----	303-	31-	79-	92249
A7 (11)	17/08/04	05:26:13	05:39:02	00:11:02	-----	222-	57-	63-	2714
S1 (116)	17/08/04	05:34:06	05:40:45	00:01:42	-----	161-	9-	97-	16359
D6 (34)	17/08/04	05:38:25	05:50:34	00:09:49	-----	302-	29-	76-	92253
A6 (10)	17/08/04	05:39:41	05:52:37	00:02:03	-----	227-	66-	61-	20216
A2 (06)	17/08/04	05:55:38	06:08:41	00:13:02	00:03:00	234-	83-	59-	2714
B2 (14)	17/08/04	05:55:54	06:02:09	00:06:03	-----	159-	8-	103-	99167
D7 (35)	17/08/04	05:56:42	06:09:00	00:06:51	-----	304-	31-	81-	92250
S2 (113)	17/08/04	05:58:05	06:07:23	00:01:03	-----	179-	16-	81-	16447
A1 (05)	17/08/04	06:03:36	06:16:39	00:09:16	-----	237-	89-	58-	2623
B1 (13)	17/08/04	06:10:53	06:19:04	00:02:25	-----	169-	11-	92-	99080
D8 (36)	17/08/04	06:17:37	06:30:13	00:11:08	-----	305-	36-	89-	92206
A3 (07)	17/08/04	06:19:49	06:32:51	00:02:37	-----	243-	74-	57-	2715
S3 (112)	17/08/04	06:23:26	06:34:14	00:01:22	-----	192-	25-	71-	16442
B6 (18)	17/08/04	06:24:40	06:35:06	00:00:52	-----	186-	18-	79-	99168
A4 (08)	17/08/04	06:35:00	06:47:58	00:12:51	-----	251-	60-	56-	2715
B7 (19)	17/08/04	06:38:45	06:49:59	00:02:00	-----	193-	23-	75-	99168
D3 (31)	17/08/04	06:40:02	06:53:07	00:03:08	-----	305-	55-	107-	92163
A8 (12)	17/08/04	06:46:24	06:59:15	00:06:07	-----	255-	53-	55-	2696
S4 (119)	17/08/04	06:48:47	07:00:28	00:01:13	-----	207-	38-	64-	16359
B8 (20)	17/08/04	06:54:49	07:06:43	00:06:15	-----	199-	29-	71-	99179
A5 (09)	17/08/04	06:59:29	07:12:13	00:05:29	-----	259-	48-	55-	2715
D2 (30)	17/08/04	07:00:06	07:13:12	00:00:59	-----	305-	57-	108-	92251
D4 (32)	17/08/04	07:01:33	07:14:47	00:01:34	-----	303-	72-	116-	92250
B4 (16)	17/08/04	07:08:00	07:20:08	00:05:20	-----	203-	32-	69-	99168
A7 (11)	17/08/04	07:11:38	07:24:14	00:04:06	-----	264-	42-	55-	2715
S1 (116)	17/08/04	07:14:20	07:26:34	00:02:19	-----	221-	61-	59-	16360
B3 (15)	17/08/04	07:21:42	07:34:12	00:07:38	-----	209-	39-	66-	99168
D6 (34)	17/08/04	07:24:15	07:37:26	00:03:13	-----	304-	64-	112-	92254
A6 (10)	17/08/04	07:25:19	07:37:48	00:00:22	-----	268-	39-	55-	20217

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
B2 (14)	17/08/04	07:37:21	07:50:14	00:12:25	-----	218-	50-	64-	99168
S2 (113)	17/08/04	07:39:46	07:52:10	00:01:55	-----	233-	89-	55-	16448
A2 (06)	17/08/04	07:41:34	07:53:52	00:01:42	-----	273-	35-	55-	2715
D7 (35)	17/08/04	07:42:27	07:55:42	00:01:49	-----	303-	76-	118-	92251
A1 (05)	17/08/04	07:49:39	08:01:52	00:06:09	-----	276-	33-	56-	2624
B1 (13)	17/08/04	07:53:20	08:06:25	00:04:33	-----	224-	62-	62-	99081
D8 (36)	17/08/04	08:03:17	08:16:32	00:10:07	-----	300-	78-	128-	92207
A3 (07)	17/08/04	08:06:05	08:18:07	00:01:35	-----	281-	30-	57-	2716
S3 (112)	17/08/04	08:06:08	08:18:28	00:00:20	-----	244-	64-	52-	16443
B6 (18)	17/08/04	08:08:22	08:21:37	00:03:09	-----	235-	87-	59-	99169
A4 (08)	17/08/04	08:21:27	08:33:21	00:11:43	-----	286-	28-	59-	2716
B7 (19)	17/08/04	08:22:57	08:36:13	00:02:52	-----	241-	80-	58-	99169
D3 (31)	17/08/04	08:25:52	08:38:20	00:02:06	-----	292-	38-	150-	92164
S4 (119)	17/08/04	08:32:17	08:44:23	00:06:02	-----	255-	47-	50-	16360
A8 (12)	17/08/04	08:32:54	08:44:42	00:00:19	-----	289-	27-	60-	2697
B8 (20)	17/08/04	08:39:31	08:52:44	00:08:01	-----	247-	67-	56-	99180
D2 (30)	17/08/04	08:45:57	08:58:22	00:05:38	-----	292-	36-	152-	92252
A5 (09)	17/08/04	08:46:02	08:57:46	00:00:03	-----	292-	27-	62-	2716
D4 (32)	17/08/04	08:47:41	08:59:21	00:01:34	-----	286-	26-	161-	92251
B4 (16)	17/08/04	08:52:54	09:06:04	00:06:43	-----	250-	62-	56-	99169
A7 (11)	17/08/04	08:58:13	09:09:55	00:03:50	-----	294-	27-	64-	2716
S1 (116)	17/08/04	08:58:35	09:10:18	00:00:23	-----	266-	35-	49-	16361
B3 (15)	17/08/04	09:06:57	09:20:02	00:09:43	-----	254-	54-	55-	99169
D6 (34)	17/08/04	09:10:12	09:22:18	00:02:16	-----	289-	31-	157-	92255
A6 (10)	17/08/04	09:11:53	09:23:36	00:01:18	-----	297-	27-	66-	20218
B2 (14)	17/08/04	09:23:01	09:35:57	00:12:21	-----	261-	46-	55-	99169
S2 (113)	17/08/04	09:24:33	09:35:52	00:00:05	-----	276-	28-	48-	16449
A2 (06)	17/08/04	09:28:05	09:39:51	00:03:59	-----	300-	27-	70-	2716
D7 (35)	17/08/04	09:28:37	09:40:04	00:00:12	-----	285-	25-	164-	92252
A1 (05)	17/08/04	09:36:07	09:47:55	00:07:51	-----	301-	27-	72-	2625
B1 (13)	17/08/04	09:39:18	09:52:06	00:04:10	-----	266-	41-	55-	99082
D8 (36)	17/08/04	09:50:01	09:59:52	00:07:46	-----	276-	16-	179-	92208
S3 (112)	17/08/04	09:51:20	10:02:14	00:02:21	-----	285-	24-	49-	16444
A3 (07)	17/08/04	09:52:26	10:04:20	00:02:05	-----	303-	29-	76-	2717
B6 (18)	17/08/04	09:54:48	10:07:18	00:02:58	-----	274-	34-	56-	99170
A4 (08)	17/08/04	10:07:38	10:19:43	00:12:04	00:00:20	304-	31-	81-	2717
B7 (19)	17/08/04	10:09:35	10:21:57	00:02:14	-----	279-	32-	57-	99170
S4 (119)	17/08/04	10:17:44	10:28:19	00:06:22	-----	293-	21-	51-	16361
A8 (12)	17/08/04	10:18:59	10:31:09	00:02:49	-----	305-	33-	84-	2698
B8 (20)	17/08/04	10:26:19	10:38:32	00:07:23	-----	283-	30-	58-	99181
A5 (09)	17/08/04	10:32:00	10:44:16	00:05:43	-----	305-	35-	88-	2717
B4 (16)	17/08/04	10:39:46	10:51:55	00:07:39	-----	285-	29-	59-	99170
A7 (11)	17/08/04	10:44:02	10:56:28	00:04:32	-----	306-	38-	92-	2717
S1 (116)	17/08/04	10:44:09	10:54:32	00:01:05	-----	300-	20-	55-	16362
B3 (15)	17/08/04	10:53:55	11:05:59	00:11:26	-----	288-	28-	61-	99170
A6 (10)	17/08/04	10:57:36	11:10:09	00:04:10	-----	306-	42-	96-	20219
B2 (14)	17/08/04	11:10:03	11:22:03	00:11:53	-----	292-	27-	63-	99170
S2 (113)	17/08/04	11:10:03	11:20:25	00:01:03	-----	305-	20-	60-	16450
A2 (06)	17/08/04	11:13:38	11:26:23	00:05:57	-----	305-	49-	102-	2717
A1 (05)	17/08/04	11:21:36	11:34:25	00:08:02	-----	305-	53-	105-	2626

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B1 (13)	17/08/04	11:26:20	11:38:20	00:03:54	-----	295-	27-	66-	99083
T4 (114)	17/08/04	11:32:04	11:38:28	00:00:08	-----	160-	9-	98-	16329
S3 (112)	17/08/04	11:36:37	11:47:09	00:08:40	-----	309-	21-	67-	16445
A3 (07)	17/08/04	11:37:48	11:50:44	00:03:34	-----	304-	63-	111-	2718
B6 (18)	17/08/04	11:41:45	11:53:49	00:03:05	-----	300-	28-	71-	99171
C3 (23)	17/08/04	11:50:39	12:00:00	00:06:11	-----	177-	14-	85-	98527
A4 (08)	17/08/04	11:52:54	12:05:54	00:05:53	-----	303-	78-	119-	2718
B7 (19)	17/08/04	11:56:27	12:08:36	00:02:41	-----	301-	29-	75-	99171
C1 (21)	17/08/04	12:02:06	12:12:31	00:03:55	-----	186-	18-	79-	98485
S4 (119)	17/08/04	12:02:43	12:13:33	00:01:02	-----	311-	23-	75-	16362
A8 (12)	17/08/04	12:04:12	12:17:12	00:03:39	-----	302-	88-	123-	2699
T1 (118)	17/08/04	12:05:19	12:15:17	00:01:05	-----	186-	19-	76-	16243
B8 (20)	17/08/04	12:13:03	12:25:19	00:10:01	-----	303-	31-	79-	99182
A5 (09)	17/08/04	12:17:12	12:30:09	00:04:50	-----	301-	81-	127-	2718
C7 (27)	17/08/04	12:25:27	12:37:01	00:06:51	-----	197-	26-	73-	98524
B4 (16)	17/08/04	12:26:26	12:38:46	00:01:44	-----	304-	31-	81-	99171
S1 (116)	17/08/04	12:28:45	12:40:01	00:01:14	-----	312-	27-	84-	16363
A7 (11)	17/08/04	12:29:14	12:42:07	00:02:06	-----	299-	68-	133-	2718
T2 (110)	17/08/04	12:38:57	12:50:26	00:08:18	-----	203-	34-	66-	16327
B3 (15)	17/08/04	12:40:27	12:52:54	00:02:28	-----	305-	34-	85-	99171
A6 (10)	17/08/04	12:42:49	12:55:35	00:02:41	-----	297-	58-	137-	20220
S2 (113)	17/08/04	12:54:19	13:05:59	00:10:23	-----	312-	34-	94-	16451
B2 (14)	17/08/04	12:56:25	13:09:03	00:03:04	-----	305-	37-	90-	99171
A2 (06)	17/08/04	12:58:55	13:11:26	00:02:22	-----	294-	45-	145-	2718
A1 (05)	17/08/04	13:06:56	13:19:17	00:07:50	-----	293-	40-	148-	2627
T4 (114)	17/08/04	13:12:10	13:24:23	00:05:05	-----	221-	59-	59-	16330
B1 (13)	17/08/04	13:12:33	13:25:22	00:00:59	-----	305-	41-	95-	99084
S3 (112)	17/08/04	13:20:36	13:32:38	00:07:16	-----	311-	44-	104-	16446
A3 (07)	17/08/04	13:23:17	13:35:10	00:02:31	-----	289-	31-	156-	2719
B6 (18)	17/08/04	13:27:44	13:40:48	00:05:38	-----	305-	52-	104-	99172
C3 (23)	17/08/04	13:33:43	13:46:55	00:06:07	-----	229-	73-	60-	98528
A4 (08)	17/08/04	13:38:39	13:49:43	00:02:47	-----	284-	23-	166-	2719
B7 (19)	17/08/04	13:42:19	13:55:30	00:05:47	-----	304-	60-	109-	99172
C1 (21)	17/08/04	13:45:47	13:59:02	00:03:32	-----	235-	86-	59-	98486
S4 (119)	17/08/04	13:46:31	13:58:49	00:00:01	-----	309-	60-	114-	16363
T1 (118)	17/08/04	13:47:27	13:59:49	00:01:00	-----	237-	79-	54-	16244
A8 (12)	17/08/04	13:50:09	14:00:38	00:00:48	-----	281-	20-	172-	2700
B8 (20)	17/08/04	13:58:50	14:12:05	00:11:26	-----	303-	71-	115-	99183
A5 (09)	17/08/04	14:03:23	14:13:10	00:01:05	-----	277-	16-	179-	2719
C7 (27)	17/08/04	14:09:54	14:23:09	00:09:59	-----	243-	74-	57-	98525
B4 (16)	17/08/04	14:12:10	14:25:27	00:02:17	-----	303-	77-	118-	99172
S1 (116)	17/08/04	14:12:27	14:24:51	00:00:03	-----	305-	88-	126-	16364
A7 (11)	17/08/04	14:15:51	14:24:29	00:00:02	-----	271-	13-	188-	2719
T3 (105)	17/08/04	14:18:02	14:30:12	00:05:42	-----	208-	40-	63-	15492
T2 (110)	17/08/04	14:22:15	14:34:25	00:04:13	-----	252-	50-	50-	16328
B3 (15)	17/08/04	14:26:08	14:39:26	00:05:00	-----	302-	89-	123-	99172
A6 (10)	17/08/04	14:29:54	14:37:20	00:02:06	-----	265-	10-	196-	20221
S2 (113)	17/08/04	14:38:02	14:50:18	00:12:15	00:00:42	301-	64-	137-	16452
B2 (14)	17/08/04	14:42:04	14:55:18	00:05:00	-----	300-	75-	130-	99172
A2 (06)	17/08/04	14:47:13	14:51:41	00:03:03	-----	250-	7-	214-	2719

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
T4 (114)	17/08/04	14:56:23	15:08:07	00:11:44	00:04:41	265-	35-	49-	16331
B1 (13)	17/08/04	14:58:13	15:11:21	00:03:14	-----	298-	62-	136-	99085
S3 (112)	17/08/04	15:04:28	15:16:19	00:04:57	-----	296-	41-	149-	16447
B6 (18)	17/08/04	15:13:30	15:26:12	00:09:53	-----	293-	42-	147-	99173
C3 (23)	17/08/04	15:19:56	15:32:36	00:06:23	-----	270-	38-	55-	98529
B7 (19)	17/08/04	15:28:13	15:40:32	00:07:56	-----	291-	34-	153-	99173
S4 (119)	17/08/04	15:30:40	15:41:45	00:01:12	-----	290-	27-	162-	16364
C1 (21)	17/08/04	15:32:13	15:44:43	00:02:58	-----	274-	34-	56-	98487
T1 (118)	17/08/04	15:32:25	15:43:32	00:01:01	-----	280-	26-	49-	16245
B8 (20)	17/08/04	15:44:54	15:56:39	00:11:44	00:01:21	287-	27-	161-	99184
C7 (27)	17/08/04	15:56:38	16:08:55	00:12:16	-----	281-	31-	57-	98526
S1 (116)	17/08/04	15:57:10	16:06:39	00:02:01	-----	280-	17-	179-	16365
B4 (16)	17/08/04	15:58:21	16:09:47	00:03:08	-----	285-	24-	164-	99173
T3 (105)	17/08/04	16:02:27	16:14:57	00:05:09	-----	255-	46-	50-	15493
T2 (110)	17/08/04	16:07:40	16:18:18	00:03:21	-----	291-	22-	51-	16329
B3 (15)	17/08/04	16:12:33	16:23:19	00:05:01	-----	281-	20-	171-	99173
S2 (113)	17/08/04	16:23:42	16:30:46	00:07:04	00:00:22	267-	10-	198-	16453
B2 (14)	17/08/04	16:28:54	16:38:28	00:07:42	-----	275-	15-	181-	99173
G2 (04)	17/08/04	16:35:11	16:45:54	00:07:25	-----	44-	24-	167-	1331
T4 (114)	17/08/04	16:41:57	16:52:20	00:06:25	-----	300-	20-	55-	16332
B1 (13)	17/08/04	16:45:33	16:53:49	00:01:29	-----	268-	11-	192-	99086
B6 (18)	17/08/04	17:02:48	17:06:22	00:03:34	00:08:58	249-	6-	220-	99174
C3 (23)	17/08/04	17:06:56	17:18:58	00:12:01	00:00:34	297-	27-	68-	98530
T1 (118)	17/08/04	17:17:50	17:28:14	00:09:16	-----	307-	20-	63-	16246
C1 (21)	17/08/04	17:19:10	17:31:13	00:02:59	-----	300-	28-	71-	98488
K9 (109)	17/08/04	17:27:38	17:34:44	00:03:30	-----	164-	10-	94-	15358
C7 (27)	17/08/04	17:43:26	17:55:37	00:12:11	00:08:42	302-	30-	77-	98527
T3 (105)	17/08/04	17:48:47	17:59:48	00:04:10	-----	293-	22-	53-	15494
K7 (107)	17/08/04	17:51:13	18:00:39	00:00:50	-----	180-	16-	80-	15358
T2 (110)	17/08/04	17:52:43	18:03:27	00:02:48	-----	311-	22-	73-	16330
K4 (104)	17/08/04	17:53:29	18:01:59	00:01:02	-----	174-	13-	86-	15530
G2 (04)	17/08/04	18:13:15	18:24:49	00:11:33	00:11:16	12-	37-	230-	1332
K6 (106)	17/08/04	18:15:14	18:26:04	00:01:14	-----	193-	25-	71-	16257
T4 (114)	17/08/04	18:26:34	18:37:47	00:11:12	00:00:30	312-	27-	84-	16333
K3 (103)	17/08/04	18:41:19	18:53:01	00:11:42	00:03:31	207-	38-	64-	15359
C3 (23)	17/08/04	18:53:04	19:06:00	00:12:56	00:00:02	305-	45-	99-	98531
T1 (118)	17/08/04	19:01:59	19:13:48	00:07:47	-----	312-	37-	98-	16247
C1 (21)	17/08/04	19:05:09	19:18:13	00:04:25	-----	305-	52-	104-	98489
K9 (109)	17/08/04	19:08:07	19:20:22	00:02:09	-----	223-	64-	58-	15359
C7 (27)	17/08/04	19:29:16	19:42:29	00:13:12	00:08:53	304-	65-	112-	98528
K7 (107)	17/08/04	19:32:59	19:45:22	00:02:53	-----	234-	89-	55-	15359
T3 (105)	17/08/04	19:34:35	19:45:57	00:00:34	-----	311-	25-	77-	15495
K4 (104)	17/08/04	19:34:51	19:47:08	00:01:11	-----	229-	79-	56-	15531
T2 (110)	17/08/04	19:36:33	19:48:48	00:01:39	-----	309-	55-	111-	16331
K6 (106)	17/08/04	19:57:58	20:10:17	00:12:18	00:09:10	244-	63-	52-	16258
T4 (114)	17/08/04	20:10:16	20:22:39	00:12:22	-----	306-	86-	125-	16334
K3 (103)	17/08/04	20:24:51	20:36:55	00:12:04	00:02:11	255-	46-	50-	15360
C3 (23)	17/08/04	20:38:47	20:51:45	00:12:58	00:01:51	296-	52-	141-	98532
T1 (118)	17/08/04	20:45:44	20:57:52	00:06:07	-----	299-	54-	142-	16248
C1 (21)	17/08/04	20:50:55	21:03:37	00:05:45	-----	294-	42-	147-	98490

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K9 (109)	17/08/04	20:52:27	21:04:05	00:00:27	-----	267-	33-	48-	15360
C7 (27)	17/08/04	21:15:14	21:27:19	00:12:05	00:11:08	289-	31-	156-	98529
K7 (107)	17/08/04	21:17:48	21:29:04	00:01:45	-----	276-	28-	48-	15360
T3 (105)	17/08/04	21:19:14	21:32:00	00:02:56	-----	308-	65-	116-	15496
K4 (104)	17/08/04	21:19:35	21:30:55	00:01:05	-----	273-	30-	48-	15532
T2 (110)	17/08/04	21:20:37	21:31:54	00:01:00	-----	291-	30-	159-	16332
K6 (106)	17/08/04	21:43:11	21:54:03	00:10:52	00:11:16	285-	24-	49-	16259
T4 (114)	17/08/04	21:54:57	22:04:31	00:09:34	00:00:53	280-	17-	178-	16335
K3 (103)	17/08/04	22:10:19	22:20:52	00:10:33	00:05:47	293-	21-	51-	15361
C3 (23)	17/08/04	22:26:43	22:33:26	00:06:43	00:05:50	261-	9-	201-	98533
T1 (118)	17/08/04	22:32:03	22:37:30	00:04:03	-----	258-	8-	209-	16249
K9 (109)	17/08/04	22:38:01	22:48:21	00:10:20	00:00:30	301-	20-	56-	15361
C1 (21)	17/08/04	22:40:05	22:43:50	00:04:03	-----	245-	6-	220-	98491
D3 (31)	17/08/04	23:02:31	23:12:37	00:10:06	00:18:40	183-	17-	81-	92173
K7 (107)	17/08/04	23:03:17	23:13:38	00:01:01	-----	306-	20-	61-	15361
T3 (105)	17/08/04	23:04:19	23:15:34	00:01:55	-----	289-	26-	164-	15497
K4 (104)	17/08/04	23:05:13	23:15:27	00:00:07	-----	304-	20-	58-	15533
D2 (30)	17/08/04	23:22:28	23:32:46	00:10:18	00:07:00	184-	18-	80-	92261
D4 (32)	17/08/04	23:23:30	23:35:02	00:02:16	-----	196-	25-	73-	92260
K6 (106)	17/08/04	23:28:27	23:38:58	00:03:55	-----	309-	21-	67-	16260
D6 (34)	17/08/04	23:46:13	23:57:09	00:10:56	00:07:14	190-	21-	76-	92264
K3 (103)	17/08/04	23:55:17	00:06:06	00:08:57	-----	311-	23-	75-	15362
D7 (35)	17/08/05	00:03:55	00:15:37	00:09:30	-----	196-	27-	72-	92261
K9 (109)	17/08/05	00:22:34	00:33:51	00:11:17	00:06:57	312-	28-	85-	15362
D8 (36)	17/08/05	00:24:09	00:36:43	00:02:51	-----	210-	40-	66-	92217
D3 (31)	17/08/05	00:46:00	00:59:16	00:13:16	00:09:17	233-	81-	59-	92174
K7 (107)	17/08/05	00:47:32	00:59:12	00:00:03	-----	312-	34-	94-	15362
K4 (104)	17/08/05	00:49:40	01:01:06	00:01:54	-----	312-	31-	90-	15534
D2 (30)	17/08/05	01:06:04	01:19:20	00:13:15	00:04:58	234-	84-	59-	92262
D4 (32)	17/08/05	01:07:56	01:21:14	00:01:54	-----	243-	76-	57-	92261
K6 (106)	17/08/05	01:12:26	01:24:27	00:03:13	-----	311-	44-	104-	16261
D6 (34)	17/08/05	01:30:13	01:43:30	00:13:16	00:05:46	238-	85-	58-	92265
K3 (103)	17/08/05	01:39:04	01:51:21	00:07:51	-----	309-	60-	114-	15363
D7 (35)	17/08/05	01:48:26	02:01:42	00:10:20	-----	244-	72-	57-	92262
K9 (109)	17/08/05	02:06:16	02:18:38	00:12:22	00:04:33	305-	89-	127-	15363
D8 (36)	17/08/05	02:09:26	02:22:31	00:03:53	-----	255-	53-	55-	92218
G2 (04)	17/08/05	02:13:06	02:21:24	00:01:07	-----	91-	12-	10-	1337
K7 (107)	17/08/05	02:31:15	02:43:29	00:12:13	00:09:51	301-	62-	138-	15363
D3 (31)	17/08/05	02:32:22	02:44:56	00:01:26	-----	273-	36-	56-	92175
K4 (104)	17/08/05	02:33:26	02:45:43	00:00:47	-----	303-	72-	133-	15535
D2 (30)	17/08/05	02:52:29	03:05:00	00:12:30	00:06:46	274-	35-	56-	92263
D4 (32)	17/08/05	02:54:41	03:07:01	00:02:00	-----	280-	31-	57-	92262
K6 (106)	17/08/05	02:56:18	03:08:08	00:01:07	-----	296-	41-	150-	16262
D6 (34)	17/08/05	03:16:48	03:29:12	00:12:23	00:08:39	277-	33-	56-	92266
A6 (10)	17/08/05	03:17:55	03:24:07	00:05:04	-----	159-	8-	103-	20229
K3 (103)	17/08/05	03:23:14	03:34:13	00:10:06	-----	289-	27-	163-	15364
A2 (06)	17/08/05	03:32:37	03:41:02	00:06:49	-----	172-	12-	90-	2727
D7 (35)	17/08/05	03:35:12	03:47:28	00:06:25	-----	282-	31-	57-	92263
A1 (05)	17/08/05	03:40:09	03:49:20	00:01:52	-----	177-	14-	86-	2636
G2 (04)	17/08/05	03:48:33	04:01:23	00:12:02	-----	153-	87-	337-	1338

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
K9 (109)	17/08/05	03:51:04	04:00:18	00:01:04	-----	278-	16-	182-	15364
A3 (07)	17/08/05	03:55:37	04:05:59	00:05:40	-----	187-	19-	79-	2728
D8 (36)	17/08/05	03:56:25	04:08:29	00:02:30	-----	289-	28-	61-	92219
A4 (08)	17/08/05	04:10:02	04:21:26	00:11:24	00:01:33	195-	25-	73-	2728
K7 (107)	17/08/05	04:17:00	04:23:49	00:02:22	-----	265-	10-	200-	15364
K4 (104)	17/08/05	04:18:49	04:26:47	00:02:57	-----	271-	12-	192-	15536
D3 (31)	17/08/05	04:19:21	04:31:22	00:04:35	-----	299-	28-	70-	92176
A8 (12)	17/08/05	04:21:05	04:32:52	00:01:29	-----	200-	30-	70-	2709
A5 (09)	17/08/05	04:33:49	04:45:57	00:12:07	00:00:57	206-	35-	68-	2728
D2 (30)	17/08/05	04:39:28	04:51:28	00:05:31	-----	299-	28-	71-	92264
D4 (32)	17/08/05	04:41:34	04:53:44	00:02:15	-----	302-	29-	76-	92263
A7 (11)	17/08/05	04:45:35	04:58:04	00:04:20	-----	213-	43-	65-	2728
A6 (10)	17/08/05	04:59:00	05:11:42	00:12:42	00:00:54	219-	51-	64-	20230
D6 (34)	17/08/05	05:03:43	05:15:47	00:04:04	-----	301-	28-	73-	92267
S2 (113)	17/08/05	05:03:43	05:08:43	00:07:04	-----	150-	7-	101-	16461
A2 (06)	17/08/05	05:14:51	05:27:47	00:12:55	00:06:08	226-	65-	61-	2728
D7 (35)	17/08/05	05:22:00	05:34:11	00:06:24	-----	303-	30-	77-	92264
A1 (05)	17/08/05	05:22:46	05:35:45	00:01:34	-----	229-	72-	60-	2637
S3 (112)	17/08/05	05:28:00	05:36:31	00:00:45	-----	173-	13-	86-	16456
G2 (04)	17/08/05	05:30:06	05:37:38	00:01:07	-----	221-	10-	296-	1339
B1 (13)	17/08/05	05:37:09	05:43:41	00:06:02	-----	160-	9-	101-	99094
A3 (07)	17/08/05	05:38:56	05:52:00	00:08:18	-----	236-	89-	59-	2729
D8 (36)	17/08/05	05:42:57	05:55:25	00:03:26	-----	305-	34-	85-	92220
B6 (18)	17/08/05	05:50:33	06:00:03	00:04:38	-----	178-	15-	84-	99182
S4 (119)	17/08/05	05:52:49	06:03:09	00:03:05	-----	189-	21-	74-	16373
A4 (08)	17/08/05	05:54:01	06:07:05	00:03:56	-----	244-	74-	57-	2729
B7 (19)	17/08/05	06:04:30	06:15:02	00:07:56	-----	186-	19-	79-	99182
D3 (31)	17/08/05	06:05:24	06:18:23	00:03:20	-----	305-	49-	102-	92177
A8 (12)	17/08/05	06:05:24	06:18:23	00:00:00	-----	248-	65-	56-	2710
S1 (116)	17/08/05	06:18:00	06:29:30	00:11:06	-----	203-	34-	66-	16374
A5 (09)	17/08/05	06:18:27	06:31:21	00:01:51	-----	252-	58-	55-	2729
B8 (20)	17/08/05	06:20:26	06:31:50	00:00:28	-----	195-	24-	74-	99193
D2 (30)	17/08/05	06:25:28	06:38:28	00:06:38	-----	305-	50-	103-	92265
D4 (32)	17/08/05	06:27:27	06:40:38	00:02:09	-----	304-	63-	111-	92264
A7 (11)	17/08/05	06:30:34	06:43:22	00:02:44	-----	257-	50-	55-	2729
B4 (16)	17/08/05	06:33:35	06:45:17	00:01:54	-----	199-	27-	72-	99182
S2 (113)	17/08/05	06:43:07	06:55:13	00:09:56	-----	217-	52-	61-	16462
A6 (10)	17/08/05	06:44:14	06:56:56	00:01:42	-----	261-	45-	55-	20231
B3 (15)	17/08/05	06:47:15	06:59:23	00:02:27	-----	203-	33-	69-	99182
D6 (34)	17/08/05	06:49:38	07:02:44	00:03:20	-----	305-	56-	107-	92268
A2 (06)	17/08/05	07:00:28	07:12:59	00:10:14	-----	267-	39-	55-	2729
B2 (14)	17/08/05	07:02:50	07:15:27	00:02:28	-----	211-	42-	66-	99182
D7 (35)	17/08/05	07:07:49	07:21:01	00:05:33	-----	304-	66-	113-	92265
A1 (05)	17/08/05	07:08:31	07:20:57	00:00:04	-----	270-	37-	55-	2638
S3 (112)	17/08/05	07:09:14	07:21:36	00:00:39	-----	229-	78-	56-	16457
B1 (13)	17/08/05	07:18:45	07:31:40	00:10:03	-----	219-	51-	64-	99095
A3 (07)	17/08/05	07:24:57	07:37:11	00:05:31	-----	275-	33-	56-	2730
D8 (36)	17/08/05	07:28:38	07:41:56	00:04:44	-----	302-	90-	124-	92221
B6 (18)	17/08/05	07:33:42	07:46:54	00:04:58	-----	230-	74-	60-	99183
S4 (119)	17/08/05	07:35:11	07:47:34	00:00:39	-----	240-	73-	53-	16374

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A4 (08)	17/08/05	07:40:18	07:52:22	00:04:48	-----	281-	30-	57-	2730
B7 (19)	17/08/05	07:48:15	08:01:31	00:09:09	-----	236-	88-	59-	99183
D3 (31)	17/08/05	07:51:09	08:03:55	00:02:23	-----	295-	46-	144-	92178
A8 (12)	17/08/05	07:51:47	08:03:43	00:00:01	-----	284-	29-	58-	2711
S1 (116)	17/08/05	08:01:18	08:13:29	00:09:46	-----	252-	50-	50-	16375
B8 (20)	17/08/05	08:04:45	08:18:01	00:04:31	-----	242-	77-	57-	99194
A5 (09)	17/08/05	08:04:55	08:16:45	00:01:01	-----	287-	28-	59-	2730
D2 (30)	17/08/05	08:11:14	08:23:56	00:07:10	-----	294-	44-	146-	92266
D4 (32)	17/08/05	08:13:27	08:25:33	00:01:37	-----	289-	32-	156-	92265
A7 (11)	17/08/05	08:17:07	08:28:53	00:03:19	-----	290-	27-	61-	2730
B4 (16)	17/08/05	08:18:08	08:31:21	00:02:28	-----	245-	71-	57-	99183
S2 (113)	17/08/05	08:27:08	08:39:00	00:07:38	-----	262-	38-	49-	16463
A6 (10)	17/08/05	08:30:49	08:42:32	00:03:32	-----	293-	27-	63-	20232
B3 (15)	17/08/05	08:32:10	08:45:19	00:02:46	-----	250-	62-	56-	99183
D6 (34)	17/08/05	08:35:28	08:47:57	00:02:37	-----	292-	37-	151-	92269
A2 (06)	17/08/05	08:47:02	08:58:46	00:10:48	-----	296-	27-	66-	2730
B2 (14)	17/08/05	08:48:12	09:01:15	00:02:29	-----	256-	52-	55-	99183
D7 (35)	17/08/05	08:53:49	09:05:47	00:04:32	-----	288-	30-	158-	92266
S3 (112)	17/08/05	08:53:51	09:05:18	00:00:02	-----	272-	30-	48-	16458
A1 (05)	17/08/05	08:55:04	09:06:48	00:01:30	-----	298-	27-	67-	2639
B1 (13)	17/08/05	09:04:28	09:17:22	00:10:34	-----	261-	46-	55-	99096