

Orbcomm View Satellite Pass Times
 All Passes of All Satellites in Chronological Order
 Observer: Tokyo, 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.
B7 (19)	17/07/28	08:57:19	09:08:11	00:10:52	11:54:13	190-	21-	78-	99069
D3 (31)	17/07/28	08:57:32	09:10:43	00:02:31	-----	303-	60-	108-	92064
A2 (06)	17/07/28	08:57:35	09:10:37	00:00:05	-----	248-	68-	58-	2615
A1 (05)	17/07/28	09:05:41	09:18:39	00:08:01	-----	251-	63-	58-	2524
S2 (113)	17/07/28	09:08:07	09:19:41	00:01:02	-----	206-	35-	66-	16347
B8 (20)	17/07/28	09:13:27	09:25:05	00:05:23	-----	198-	26-	73-	99080
D4 (32)	17/07/28	09:15:17	09:28:31	00:03:26	-----	302-	74-	115-	92151
D2 (30)	17/07/28	09:17:36	09:30:46	00:02:14	-----	303-	62-	109-	92152
A3 (07)	17/07/28	09:21:55	09:34:45	00:03:58	-----	257-	53-	57-	2616
B4 (16)	17/07/28	09:26:32	09:38:27	00:03:42	-----	202-	29-	72-	99069
S3 (112)	17/07/28	09:34:01	09:46:10	00:07:42	-----	218-	53-	61-	16342
A4 (08)	17/07/28	09:37:20	09:50:00	00:03:50	-----	264-	45-	57-	2616
B3 (15)	17/07/28	09:40:10	09:52:31	00:02:30	-----	208-	35-	69-	99069
D6 (34)	17/07/28	09:41:38	09:54:52	00:02:21	-----	302-	69-	113-	92155
A8 (12)	17/07/28	09:48:39	10:01:12	00:06:19	-----	267-	42-	57-	2597
B2 (14)	17/07/28	09:55:47	10:08:32	00:07:19	-----	215-	44-	66-	99069
S4 (119)	17/07/28	09:59:46	10:12:08	00:03:36	-----	230-	79-	57-	16259
D7 (35)	17/07/28	10:00:01	10:13:17	00:01:08	-----	301-	82-	119-	92152
A5 (09)	17/07/28	10:01:46	10:14:13	00:00:55	-----	271-	39-	58-	2616
B1 (13)	17/07/28	10:11:44	10:24:44	00:10:31	-----	221-	55-	64-	98982
A7 (11)	17/07/28	10:13:56	10:26:15	00:01:31	-----	275-	36-	59-	2616
D8 (36)	17/07/28	10:20:48	10:34:02	00:07:46	-----	299-	73-	129-	92108
S1 (116)	17/07/28	10:25:41	10:38:04	00:04:01	-----	242-	71-	54-	16260
B6 (18)	17/07/28	10:26:40	10:39:54	00:01:50	-----	232-	77-	61-	99070
A6 (10)	17/07/28	10:27:35	10:39:49	00:00:05	-----	278-	34-	59-	20118
B7 (19)	17/07/28	10:41:15	10:54:33	00:13:17	00:01:26	238-	90-	60-	99070
D3 (31)	17/07/28	10:43:24	10:55:47	00:01:14	-----	291-	36-	151-	92065
A2 (06)	17/07/28	10:43:50	10:55:58	00:00:10	-----	283-	32-	61-	2616
S2 (113)	17/07/28	10:51:28	11:03:40	00:07:41	-----	253-	52-	52-	16348
A1 (05)	17/07/28	10:52:00	11:04:04	00:00:24	-----	285-	31-	62-	2525
B8 (20)	17/07/28	10:57:54	11:11:10	00:07:06	-----	244-	76-	59-	99081
D4 (32)	17/07/28	11:01:23	11:13:05	00:01:54	-----	286-	27-	160-	92152
D2 (30)	17/07/28	11:03:29	11:15:49	00:02:43	-----	290-	35-	153-	92153
A3 (07)	17/07/28	11:08:17	11:20:17	00:04:28	-----	289-	30-	64-	2617
B4 (16)	17/07/28	11:11:13	11:24:27	00:04:10	-----	247-	70-	58-	99070
S3 (112)	17/07/28	11:18:03	11:29:57	00:05:30	-----	263-	39-	51-	16343
A4 (08)	17/07/28	11:23:45	11:35:42	00:05:44	-----	293-	30-	68-	2617
B3 (15)	17/07/28	11:25:13	11:38:24	00:02:41	-----	252-	62-	58-	99070
D6 (34)	17/07/28	11:27:37	11:39:37	00:01:13	-----	288-	30-	157-	92156
A8 (12)	17/07/28	11:35:02	11:47:00	00:07:22	-----	295-	30-	70-	2598
B2 (14)	17/07/28	11:41:14	11:54:18	00:07:18	-----	258-	53-	57-	99070
S4 (119)	17/07/28	11:44:19	11:55:53	00:01:35	-----	272-	32-	51-	16260
D7 (35)	17/07/28	11:46:13	11:57:32	00:01:38	-----	284-	24-	165-	92153
A5 (09)	17/07/28	11:48:08	12:00:06	00:02:34	-----	297-	30-	72-	2617
B1 (13)	17/07/28	11:57:30	12:10:28	00:10:21	-----	263-	47-	57-	98983
A7 (11)	17/07/28	12:00:14	12:12:16	00:01:48	-----	299-	31-	75-	2617
D8 (36)	17/07/28	12:07:34	12:17:16	00:04:59	-----	275-	15-	180-	92109
S1 (116)	17/07/28	12:10:41	12:21:52	00:04:36	-----	282-	27-	52-	16261

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B6 (18)	17/07/28	12:12:53	12:25:37	00:03:44	-----	271-	39-	58-	99071
A6 (10)	17/07/28	12:13:49	12:25:56	00:00:18	-----	300-	32-	78-	20119
B7 (19)	17/07/28	12:27:41	12:40:17	00:12:36	00:01:45	275-	36-	59-	99071
A2 (06)	17/07/28	12:29:56	12:42:12	00:01:55	-----	302-	34-	83-	2617
S2 (113)	17/07/28	12:36:43	12:47:38	00:05:25	-----	290-	24-	54-	16349
A1 (05)	17/07/28	12:38:01	12:50:21	00:02:43	-----	302-	36-	85-	2526
B8 (20)	17/07/28	12:44:31	12:56:59	00:06:37	-----	280-	34-	61-	99082
A3 (07)	17/07/28	12:54:11	13:06:39	00:09:40	-----	303-	39-	90-	2618
B4 (16)	17/07/28	12:57:53	13:10:18	00:03:39	-----	282-	33-	61-	99071
S3 (112)	17/07/28	13:03:25	13:14:10	00:03:51	-----	297-	22-	58-	16344
A4 (08)	17/07/28	13:09:28	13:22:05	00:07:55	-----	303-	45-	97-	2618
B3 (15)	17/07/28	13:11:58	13:24:19	00:02:14	-----	285-	32-	63-	99071
A8 (12)	17/07/28	13:20:40	13:33:23	00:09:03	-----	303-	49-	100-	2599
B2 (14)	17/07/28	13:28:04	13:40:21	00:06:58	-----	289-	31-	66-	99071
S4 (119)	17/07/28	13:29:39	13:40:23	00:00:01	-----	302-	22-	63-	16261
A5 (09)	17/07/28	13:33:40	13:46:28	00:06:05	-----	303-	54-	104-	2618
B1 (13)	17/07/28	13:44:21	13:56:38	00:10:10	-----	292-	30-	68-	98984
A7 (11)	17/07/28	13:45:40	13:58:34	00:01:55	-----	303-	62-	109-	2618
S1 (116)	17/07/28	13:55:50	14:06:42	00:08:08	-----	306-	24-	70-	16262
A6 (10)	17/07/28	13:59:11	14:12:08	00:05:26	-----	302-	69-	113-	20120
B6 (18)	17/07/28	13:59:42	14:12:02	00:00:06	-----	297-	31-	74-	99072
C3 (23)	17/07/28	14:08:30	14:17:13	00:05:10	-----	171-	13-	88-	98428
T2 (110)	17/07/28	14:08:51	14:17:03	00:00:09	-----	170-	12-	86-	16226
B7 (19)	17/07/28	14:14:26	14:26:49	00:09:46	-----	298-	32-	77-	99072
A2 (06)	17/07/28	14:15:13	14:28:15	00:01:25	-----	301-	84-	120-	2618
C1 (21)	17/07/28	14:20:37	14:30:34	00:02:19	-----	181-	16-	82-	98386
S2 (113)	17/07/28	14:21:36	14:32:44	00:02:09	-----	308-	26-	78-	16350
A1 (05)	17/07/28	14:23:17	14:36:18	00:03:34	-----	300-	89-	123-	2527
B8 (20)	17/07/28	14:31:09	14:43:38	00:07:19	-----	300-	34-	81-	99083
A3 (07)	17/07/28	14:39:25	14:52:21	00:08:43	-----	299-	74-	129-	2619
T4 (114)	17/07/28	14:41:07	14:51:39	00:00:04	-----	191-	23-	73-	16229
C7 (27)	17/07/28	14:43:45	14:54:59	00:03:20	-----	193-	23-	75-	98425
B4 (16)	17/07/28	14:44:28	14:57:01	00:02:01	-----	301-	35-	83-	99072
S3 (112)	17/07/28	14:48:00	14:59:28	00:02:26	-----	310-	30-	86-	16345
A4 (08)	17/07/28	14:54:42	15:07:26	00:07:58	-----	296-	56-	137-	2619
B3 (15)	17/07/28	14:58:27	15:11:07	00:03:40	-----	302-	37-	87-	99072
G2 (04)	17/07/28	15:01:12	15:04:26	00:06:04	-----	85-	6-	112-	1230
A8 (12)	17/07/28	15:05:56	15:18:32	00:12:35	00:01:29	294-	49-	142-	2600
S4 (119)	17/07/28	15:13:56	15:25:45	00:07:12	-----	310-	37-	95-	16262
B2 (14)	17/07/28	15:14:24	15:27:12	00:01:27	-----	303-	41-	92-	99072
T1 (118)	17/07/28	15:15:36	15:27:26	00:00:13	-----	211-	42-	64-	16143
A5 (09)	17/07/28	15:19:00	15:31:22	00:03:56	-----	292-	41-	146-	2619
B1 (13)	17/07/28	15:30:34	15:43:31	00:12:08	-----	303-	45-	97-	98985
A7 (11)	17/07/28	15:31:06	15:43:07	00:00:02	-----	290-	34-	152-	2619
S1 (116)	17/07/28	15:39:50	15:52:00	00:08:52	-----	308-	49-	106-	16263
A6 (10)	17/07/28	15:44:43	15:56:25	00:04:25	-----	287-	29-	158-	20121
B6 (18)	17/07/28	15:45:41	15:58:51	00:02:26	-----	303-	57-	106-	99073
T2 (110)	17/07/28	15:49:54	16:02:14	00:03:22	-----	227-	72-	58-	16227
C3 (23)	17/07/28	15:51:12	16:04:21	00:02:06	-----	226-	63-	63-	98429
B7 (19)	17/07/28	16:00:19	16:13:33	00:09:12	-----	302-	65-	111-	99073

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
A2 (06)	17/07/28	16:01:00	16:11:57	00:01:03	-----	283-	22-	166-	2619
C1 (21)	17/07/28	16:04:00	16:17:14	00:05:17	-----	232-	77-	61-	98387
S2 (113)	17/07/28	16:05:26	16:17:47	00:00:32	-----	306-	67-	116-	16351
T3 (105)	17/07/28	16:08:45	16:19:44	00:01:57	-----	192-	24-	72-	15392
A1 (05)	17/07/28	16:09:12	16:19:43	00:00:01	-----	280-	20-	171-	2528
B8 (20)	17/07/28	16:16:57	16:30:14	00:10:30	-----	301-	77-	117-	99084
T4 (114)	17/07/28	16:23:36	16:35:58	00:05:44	-----	241-	73-	54-	16230
A3 (07)	17/07/28	16:25:43	16:35:08	00:00:05	-----	274-	15-	181-	2620
C7 (27)	17/07/28	16:27:56	16:41:13	00:06:04	-----	241-	83-	59-	98426
B4 (16)	17/07/28	16:30:14	16:43:32	00:02:19	-----	301-	83-	119-	99073
S3 (112)	17/07/28	16:31:45	16:44:08	00:00:35	-----	303-	86-	127-	16346
G2 (04)	17/07/28	16:35:42	16:48:01	00:03:53	-----	28-	70-	199-	1231
A4 (08)	17/07/28	16:41:43	16:49:12	00:01:11	-----	265-	10-	195-	2620
B3 (15)	17/07/28	16:44:10	16:57:28	00:08:16	-----	300-	85-	124-	99073
A8 (12)	17/07/28	16:53:31	16:59:34	00:02:05	-----	257-	8-	205-	2601
S4 (119)	17/07/28	16:57:42	17:09:55	00:10:21	-----	300-	60-	138-	16263
T1 (118)	17/07/28	16:59:14	17:11:19	00:01:23	-----	257-	46-	52-	16144
B2 (14)	17/07/28	17:00:06	17:13:18	00:01:59	-----	298-	70-	131-	99073
A5 (09)	17/07/28	17:07:38	17:11:11	00:02:07	-----	250-	6-	215-	2620
B1 (13)	17/07/28	17:16:16	17:29:21	00:13:05	00:05:05	296-	58-	137-	98986
S1 (116)	17/07/28	17:23:46	17:35:27	00:06:05	-----	294-	38-	151-	16264
B6 (18)	17/07/28	17:31:31	17:44:07	00:08:39	-----	292-	40-	148-	99074
T2 (110)	17/07/28	17:34:20	17:45:59	00:01:51	-----	270-	33-	51-	16228
C3 (23)	17/07/28	17:37:11	17:50:03	00:04:04	-----	266-	43-	58-	98430
B7 (19)	17/07/28	17:46:15	17:58:28	00:08:24	-----	289-	32-	154-	99074
S2 (113)	17/07/28	17:49:40	18:00:30	00:02:02	-----	287-	25-	165-	16352
C1 (21)	17/07/28	17:50:13	18:02:57	00:02:27	-----	271-	39-	58-	98388
T3 (105)	17/07/28	17:52:06	18:04:54	00:01:57	-----	242-	72-	54-	15393
B8 (20)	17/07/28	18:03:04	18:14:40	00:09:46	-----	285-	26-	162-	99085
T4 (114)	17/07/28	18:08:35	18:19:46	00:05:06	-----	282-	27-	52-	16231
C7 (27)	17/07/28	18:14:27	18:26:59	00:07:12	-----	278-	35-	60-	98427
G2 (04)	17/07/28	18:15:12	18:24:24	00:02:03	-----	358-	16-	259-	1232
B4 (16)	17/07/28	18:16:27	18:27:45	00:03:20	-----	283-	23-	165-	99074
S3 (112)	17/07/28	18:16:31	18:25:48	00:01:05	-----	278-	16-	180-	16347
B3 (15)	17/07/28	18:30:37	18:41:15	00:10:37	00:04:49	280-	19-	173-	99074
S4 (119)	17/07/28	18:43:26	18:50:13	00:06:47	00:02:11	265-	10-	200-	16264
T1 (118)	17/07/28	18:44:33	18:55:23	00:05:09	-----	293-	23-	56-	16145
B2 (14)	17/07/28	18:46:59	18:56:21	00:00:57	-----	273-	14-	183-	99074
B1 (13)	17/07/28	19:03:40	19:11:40	00:08:00	00:07:19	266-	11-	193-	98987
T2 (110)	17/07/28	19:19:41	19:30:24	00:10:43	00:08:01	301-	22-	62-	16229
B6 (18)	17/07/28	19:21:07	19:23:51	00:06:03	-----	248-	6-	218-	99075
C3 (23)	17/07/28	19:24:03	19:36:21	00:12:17	00:00:11	294-	31-	70-	98431
C1 (21)	17/07/28	19:37:02	19:49:22	00:12:19	00:00:41	297-	31-	73-	98389
T3 (105)	17/07/28	19:37:56	19:49:36	00:00:14	-----	281-	28-	53-	15394
K6 (106)	17/07/28	19:46:01	19:51:55	00:02:18	-----	157-	8-	101-	16156
T4 (114)	17/07/28	19:53:44	20:04:35	00:10:50	00:01:49	306-	23-	70-	16232
C7 (27)	17/07/28	20:01:09	20:13:34	00:09:00	-----	299-	33-	79-	98428
K3 (103)	17/07/28	20:11:00	20:19:51	00:06:16	-----	173-	14-	83-	15258
T1 (118)	17/07/28	20:29:19	20:40:35	00:11:15	00:09:27	309-	27-	81-	16146
K9 (109)	17/07/28	20:36:50	20:47:35	00:07:00	-----	193-	24-	72-	15258

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K4 (104)	17/07/28	20:53:45	21:04:35	00:10:49	00:06:10	195-	26-	71-	15430
K7 (107)	17/07/28	21:01:20	21:12:56	00:08:21	-----	206-	36-	66-	15258
T2 (110)	17/07/28	21:04:02	21:15:46	00:02:50	-----	310-	35-	93-	16230
C3 (23)	17/07/28	21:10:10	21:23:13	00:07:26	-----	303-	49-	100-	98432
C1 (21)	17/07/28	21:23:02	21:36:11	00:12:57	-----	303-	56-	106-	98390
T3 (105)	17/07/28	21:23:57	21:35:19	00:00:05	-----	305-	25-	71-	15395
K6 (106)	17/07/28	21:25:52	21:38:00	00:02:40	-----	219-	54-	61-	16157
T4 (114)	17/07/28	21:37:45	21:49:52	00:11:53	-----	309-	48-	105-	16233
C7 (27)	17/07/28	21:47:00	22:00:16	00:10:23	-----	302-	70-	113-	98429
K3 (103)	17/07/28	21:52:25	22:04:47	00:04:30	-----	230-	80-	57-	15259
T1 (118)	17/07/28	22:13:06	22:25:29	00:12:23	00:08:19	305-	77-	121-	16147
K9 (109)	17/07/28	22:19:29	22:31:50	00:06:20	-----	244-	68-	54-	15259
K4 (104)	17/07/28	22:36:38	22:48:52	00:12:14	00:04:48	245-	64-	53-	15431
K7 (107)	17/07/28	22:44:43	22:56:53	00:08:01	-----	253-	50-	52-	15259
T2 (110)	17/07/28	22:47:47	23:00:05	00:03:11	-----	301-	66-	135-	16231
C3 (23)	17/07/28	22:55:55	23:08:51	00:08:45	-----	295-	49-	141-	98433
T3 (105)	17/07/28	23:08:49	23:21:27	00:12:36	-----	308-	51-	107-	15396
C1 (21)	17/07/28	23:08:51	23:21:28	00:00:00	-----	292-	40-	148-	98391
K6 (106)	17/07/28	23:09:54	23:21:47	00:00:19	-----	263-	39-	51-	16158
T4 (114)	17/07/28	23:21:41	23:33:23	00:11:36	-----	294-	38-	151-	16234
C7 (27)	17/07/28	23:33:00	23:44:59	00:11:35	-----	288-	29-	157-	98430
K3 (103)	17/07/28	23:37:00	23:48:31	00:03:32	-----	273-	31-	51-	15260
T1 (118)	17/07/28	23:57:31	00:07:50	00:10:19	00:09:00	284-	21-	171-	16148
K9 (109)	17/07/29	00:04:32	00:15:39	00:07:48	-----	283-	26-	52-	15260
K4 (104)	17/07/29	00:21:48	00:32:48	00:11:00	00:06:09	285-	25-	53-	15432
K7 (107)	17/07/29	00:30:00	00:40:52	00:08:03	-----	290-	24-	55-	15260
T2 (110)	17/07/29	00:33:13	00:40:47	00:00:04	-----	269-	11-	194-	16232
C3 (23)	17/07/29	00:43:54	00:50:25	00:06:31	00:03:06	259-	9-	203-	98434
T3 (105)	17/07/29	00:53:38	01:05:43	00:12:05	00:03:12	294-	37-	152-	15397
K6 (106)	17/07/29	00:55:16	01:06:00	00:00:16	-----	297-	22-	58-	16159
C1 (21)	17/07/29	00:58:21	01:01:17	00:04:04	-----	248-	6-	218-	98392
D3 (31)	17/07/29	01:20:43	01:30:16	00:09:32	00:19:25	179-	15-	84-	92074
K3 (103)	17/07/29	01:22:19	01:33:01	00:02:45	-----	302-	22-	63-	15261
D4 (32)	17/07/29	01:37:56	01:48:53	00:10:57	00:04:54	191-	21-	77-	92161
D2 (30)	17/07/29	01:40:38	01:50:24	00:01:30	-----	181-	16-	83-	92162
K9 (109)	17/07/29	01:49:39	02:00:31	00:10:06	-----	306-	24-	71-	15261
D6 (34)	17/07/29	02:04:14	02:14:43	00:10:29	00:03:42	187-	19-	79-	92165
K4 (104)	17/07/29	02:06:58	02:17:50	00:03:06	-----	307-	24-	72-	15433
G2 (04)	17/07/29	02:12:26	02:24:13	00:06:22	-----	124-	33-	351-	1237
K7 (107)	17/07/29	02:14:51	02:25:59	00:01:46	-----	309-	26-	78-	15261
D7 (35)	17/07/29	02:22:01	02:33:23	00:07:24	-----	195-	24-	74-	92162
K6 (106)	17/07/29	02:39:50	02:51:18	00:11:27	00:06:26	310-	30-	86-	16160
D8 (36)	17/07/29	02:42:07	02:54:28	00:03:10	-----	207-	36-	68-	92118
D3 (31)	17/07/29	03:03:52	03:17:04	00:13:11	00:09:23	230-	72-	62-	92075
K3 (103)	17/07/29	03:06:35	03:18:24	00:01:19	-----	310-	37-	96-	15262
D4 (32)	17/07/29	03:21:58	03:35:15	00:13:17	00:03:34	238-	89-	60-	92162
D2 (30)	17/07/29	03:23:56	03:37:08	00:01:52	-----	231-	75-	61-	92163
K9 (109)	17/07/29	03:33:37	03:45:47	00:08:39	-----	308-	51-	107-	15262
D6 (34)	17/07/29	03:47:57	04:01:12	00:13:15	00:02:09	235-	84-	60-	92166
G2 (04)	17/07/29	03:50:45	04:02:39	00:01:26	-----	183-	33-	321-	1238

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K4 (104)	17/07/29	03:50:59	04:03:11	00:00:32	-----	308-	54-	109-	15434
K7 (107)	17/07/29	03:58:40	04:11:01	00:07:49	-----	306-	69-	117-	15262
D7 (35)	17/07/29	04:06:18	04:19:34	00:08:33	-----	242-	81-	59-	92163
K6 (106)	17/07/29	04:23:35	04:35:57	00:12:22	00:04:00	303-	86-	127-	16161
D8 (36)	17/07/29	04:27:10	04:40:21	00:04:24	-----	252-	61-	58-	92119
D3 (31)	17/07/29	04:50:01	05:02:46	00:12:44	00:09:39	269-	40-	58-	92076
K3 (103)	17/07/29	04:50:21	05:02:32	00:00:01	-----	299-	58-	139-	15263
D4 (32)	17/07/29	05:08:28	05:21:02	00:12:33	00:05:55	276-	36-	59-	92163
D2 (30)	17/07/29	05:10:07	05:22:50	00:01:47	-----	270-	39-	58-	92164
K9 (109)	17/07/29	05:17:35	05:29:10	00:06:20	-----	293-	36-	153-	15263
D6 (34)	17/07/29	05:34:18	05:46:55	00:12:37	00:05:08	274-	37-	59-	92167
K4 (104)	17/07/29	05:35:04	05:46:35	00:00:02	-----	292-	33-	155-	15435
A8 (12)	17/07/29	05:41:14	05:47:36	00:01:01	-----	160-	9-	102-	2609
K7 (107)	17/07/29	05:42:56	05:53:39	00:06:02	-----	287-	24-	166-	15263
D7 (35)	17/07/29	05:52:51	06:05:20	00:11:41	-----	278-	34-	60-	92164
A5 (09)	17/07/29	05:53:23	06:01:11	00:04:09	-----	168-	11-	94-	2628
A7 (11)	17/07/29	06:04:34	06:13:44	00:09:10	00:03:22	177-	14-	85-	2628
K6 (106)	17/07/29	06:08:22	06:17:36	00:03:52	-----	278-	16-	181-	16162
D8 (36)	17/07/29	06:13:57	06:26:17	00:08:41	-----	286-	31-	63-	92120
A6 (10)	17/07/29	06:17:34	06:27:34	00:01:16	-----	184-	17-	81-	20130
A2 (06)	17/07/29	06:32:56	06:43:58	00:11:01	00:05:22	194-	23-	75-	2628
K3 (103)	17/07/29	06:36:09	06:42:45	00:01:01	-----	264-	9-	202-	15264
D3 (31)	17/07/29	06:36:52	06:49:07	00:06:21	-----	296-	31-	72-	92077
A1 (05)	17/07/29	06:40:46	06:52:07	00:03:00	-----	195-	25-	73-	2537
D4 (32)	17/07/29	06:55:15	07:07:36	00:12:20	00:03:08	299-	32-	77-	92164
A3 (07)	17/07/29	06:56:29	07:08:26	00:00:49	-----	204-	32-	70-	2629
D2 (30)	17/07/29	06:56:57	07:09:13	00:00:47	-----	296-	31-	73-	92165
A4 (08)	17/07/29	07:11:20	07:23:48	00:12:28	00:02:07	213-	43-	66-	2629
D6 (34)	17/07/29	07:21:05	07:33:24	00:09:35	-----	298-	31-	75-	92168
A8 (12)	17/07/29	07:22:24	07:35:04	00:01:39	-----	219-	50-	65-	2610
A5 (09)	17/07/29	07:35:17	07:48:05	00:12:48	00:00:13	224-	58-	63-	2629
D7 (35)	17/07/29	07:39:33	07:51:57	00:03:51	-----	300-	33-	79-	92165
A7 (11)	17/07/29	07:47:11	08:00:08	00:08:10	-----	229-	70-	62-	2629
S1 (116)	17/07/29	07:47:49	07:56:00	00:04:07	-----	171-	12-	88-	16273
B1 (13)	17/07/29	07:56:11	08:01:35	00:05:23	00:00:11	156-	7-	103-	98995
D8 (36)	17/07/29	08:00:26	08:13:05	00:11:29	-----	302-	37-	87-	92121
A6 (10)	17/07/29	08:00:40	08:13:40	00:00:34	-----	234-	80-	61-	20131
B6 (18)	17/07/29	08:09:12	08:18:11	00:04:31	-----	175-	13-	88-	99083
S2 (113)	17/07/29	08:12:13	08:22:20	00:04:08	-----	187-	20-	76-	16361
A2 (06)	17/07/29	08:16:41	08:29:43	00:07:23	-----	241-	83-	59-	2629
D3 (31)	17/07/29	08:22:54	08:35:58	00:06:14	-----	303-	53-	104-	92078
B7 (19)	17/07/29	08:23:07	08:33:12	00:02:04	-----	183-	17-	81-	99083
A1 (05)	17/07/29	08:24:44	08:37:46	00:04:33	-----	244-	76-	59-	2538
S3 (112)	17/07/29	08:37:46	08:49:03	00:11:16	-----	200-	30-	68-	16356
B8 (20)	17/07/29	08:39:07	08:50:10	00:01:06	-----	192-	22-	76-	99094
A3 (07)	17/07/29	08:40:55	08:53:53	00:03:43	-----	250-	64-	58-	2630
D4 (32)	17/07/29	08:41:11	08:54:22	00:00:29	-----	302-	66-	111-	92165
D2 (30)	17/07/29	08:42:58	08:56:03	00:01:40	-----	303-	55-	105-	92166
B4 (16)	17/07/29	08:52:10	09:03:34	00:07:31	-----	195-	24-	74-	99083
A4 (08)	17/07/29	08:56:16	09:09:07	00:05:32	-----	257-	53-	57-	2630

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
S4 (119)	17/07/29	09:03:13	09:15:10	00:06:03	-----	213-	46-	63-	16273
B3 (15)	17/07/29	09:05:46	09:17:40	00:02:30	-----	200-	29-	71-	99083
D6 (34)	17/07/29	09:07:01	09:20:11	00:02:30	-----	303-	61-	108-	92169
A8 (12)	17/07/29	09:07:35	09:20:19	00:00:07	-----	261-	48-	57-	2611
A5 (09)	17/07/29	09:20:41	09:33:19	00:12:37	00:00:22	264-	44-	57-	2630
B2 (14)	17/07/29	09:21:18	09:33:44	00:00:25	-----	208-	37-	68-	99083
D7 (35)	17/07/29	09:25:23	09:38:36	00:04:52	-----	302-	71-	114-	92166
S1 (116)	17/07/29	09:28:51	09:41:11	00:02:34	-----	227-	72-	58-	16274
A7 (11)	17/07/29	09:32:50	09:45:20	00:04:09	-----	269-	40-	58-	2630
B1 (13)	17/07/29	09:37:11	09:49:58	00:04:38	-----	216-	46-	66-	98996
D8 (36)	17/07/29	09:46:09	09:59:26	00:09:27	-----	300-	85-	124-	92122
A6 (10)	17/07/29	09:46:30	09:58:54	00:00:03	-----	273-	37-	58-	20132
B6 (18)	17/07/29	09:52:02	10:05:11	00:06:17	-----	227-	66-	62-	99084
S2 (113)	17/07/29	09:54:25	10:06:49	00:01:38	-----	238-	80-	55-	16362
A2 (06)	17/07/29	10:02:44	10:15:00	00:08:11	-----	278-	34-	59-	2630
B7 (19)	17/07/29	10:06:35	10:19:50	00:04:49	-----	233-	78-	61-	99084
D3 (31)	17/07/29	10:08:41	10:21:22	00:01:32	-----	293-	43-	145-	92079
A1 (05)	17/07/29	10:10:53	10:23:05	00:01:43	-----	280-	33-	60-	2539
S3 (112)	17/07/29	10:20:50	10:33:07	00:10:01	-----	249-	58-	53-	16357
B8 (20)	17/07/29	10:23:10	10:36:27	00:03:20	-----	239-	87-	59-	99095
D4 (32)	17/07/29	10:27:09	10:39:17	00:02:50	-----	289-	32-	155-	92166
A3 (07)	17/07/29	10:27:12	10:39:17	00:00:00	-----	284-	31-	62-	2631
D2 (30)	17/07/29	10:28:45	10:41:23	00:02:05	-----	293-	41-	147-	92167
B4 (16)	17/07/29	10:36:28	10:49:44	00:08:21	-----	242-	80-	59-	99084
A4 (08)	17/07/29	10:42:39	10:54:39	00:04:54	-----	289-	30-	64-	2631
S4 (119)	17/07/29	10:47:00	10:59:01	00:04:21	-----	259-	43-	51-	16274
B3 (15)	17/07/29	10:50:27	11:03:41	00:04:40	-----	247-	70-	58-	99084
D6 (34)	17/07/29	10:52:53	11:05:18	00:01:36	-----	291-	36-	152-	92170
A8 (12)	17/07/29	10:54:00	11:05:57	00:00:39	-----	291-	30-	66-	2612
B2 (14)	17/07/29	11:06:26	11:19:35	00:13:09	00:00:29	253-	59-	58-	99084
A5 (09)	17/07/29	11:07:06	11:19:02	00:00:03	-----	293-	30-	68-	2631
D7 (35)	17/07/29	11:11:24	11:23:16	00:04:13	-----	287-	28-	159-	92167
S1 (116)	17/07/29	11:13:16	11:24:56	00:01:40	-----	270-	33-	51-	16275
A7 (11)	17/07/29	11:19:13	11:31:11	00:06:15	-----	296-	30-	71-	2631
B1 (13)	17/07/29	11:22:40	11:35:44	00:04:33	-----	258-	52-	57-	98997
D8 (36)	17/07/29	11:32:37	11:43:12	00:07:27	-----	279-	19-	173-	92123
A6 (10)	17/07/29	11:32:50	11:44:50	00:01:38	-----	298-	30-	74-	20133
B6 (18)	17/07/29	11:38:03	11:50:53	00:06:02	-----	267-	42-	58-	99085
S2 (113)	17/07/29	11:39:17	11:50:36	00:00:01	-----	279-	28-	52-	16363
A2 (06)	17/07/29	11:48:59	12:01:07	00:10:30	-----	300-	32-	78-	2631
B7 (19)	17/07/29	11:52:50	12:05:32	00:04:25	-----	272-	39-	58-	99085
A1 (05)	17/07/29	11:57:04	12:09:15	00:03:42	-----	300-	33-	80-	2540
D3 (31)	17/07/29	11:57:24	12:02:03	00:07:01	-----	249-	7-	215-	92080
S3 (112)	17/07/29	12:06:01	12:17:01	00:11:00	00:03:58	287-	25-	54-	16358
B8 (20)	17/07/29	12:09:38	12:22:12	00:05:10	-----	276-	35-	59-	99096
A3 (07)	17/07/29	12:13:16	12:25:34	00:03:21	-----	302-	35-	85-	2632
D2 (30)	17/07/29	12:17:53	12:21:37	00:03:05	-----	250-	6-	214-	92168
B4 (16)	17/07/29	12:23:01	12:35:31	00:12:30	00:01:23	279-	34-	60-	99085
A4 (08)	17/07/29	12:28:33	12:41:00	00:05:28	-----	303-	39-	91-	2632
S4 (119)	17/07/29	12:32:20	12:43:08	00:02:07	-----	294-	23-	57-	16275

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
B3 (15)	17/07/29	12:37:07	12:49:32	00:06:24	-----	282-	33-	61-	99085
A8 (12)	17/07/29	12:39:47	12:52:20	00:02:47	-----	303-	42-	94-	2613
A5 (09)	17/07/29	12:52:47	13:05:26	00:12:38	00:00:27	303-	46-	98-	2632
B2 (14)	17/07/29	12:53:13	13:05:33	00:00:07	-----	286-	31-	64-	99085
S1 (116)	17/07/29	12:58:38	13:09:21	00:03:48	-----	301-	22-	62-	16276
A7 (11)	17/07/29	13:04:48	13:17:34	00:08:12	-----	303-	51-	102-	2632
B1 (13)	17/07/29	13:09:31	13:21:49	00:04:15	-----	290-	31-	66-	98998
A6 (10)	17/07/29	13:18:20	13:31:11	00:09:21	-----	303-	57-	106-	20134
S2 (113)	17/07/29	13:24:30	13:35:19	00:04:08	-----	305-	23-	68-	16364
B6 (18)	17/07/29	13:24:54	13:37:12	00:01:52	-----	295-	31-	71-	99086
A2 (06)	17/07/29	13:34:21	13:47:20	00:10:08	-----	302-	68-	113-	2632
C3 (23)	17/07/29	13:34:46	13:42:03	00:05:01	-----	164-	10-	97-	98442
B7 (19)	17/07/29	13:39:38	13:51:58	00:09:54	-----	297-	31-	74-	99086
A1 (05)	17/07/29	13:42:24	13:55:24	00:03:26	-----	302-	74-	116-	2541
T4 (114)	17/07/29	13:45:49	13:53:50	00:01:03	-----	170-	12-	89-	16243
C1 (21)	17/07/29	13:46:34	13:55:31	00:01:41	-----	174-	13-	88-	98400
S3 (112)	17/07/29	13:51:00	14:02:02	00:06:30	-----	308-	25-	75-	16359
B8 (20)	17/07/29	13:56:22	14:08:45	00:06:43	-----	299-	32-	78-	99097
A3 (07)	17/07/29	13:58:32	14:11:32	00:02:46	-----	300-	89-	122-	2633
C7 (27)	17/07/29	14:09:32	14:20:04	00:08:32	-----	187-	19-	79-	98439
B4 (16)	17/07/29	14:09:42	14:22:08	00:02:04	-----	300-	33-	80-	99086
A4 (08)	17/07/29	14:13:47	14:26:41	00:04:32	-----	298-	73-	129-	2633
S4 (119)	17/07/29	14:17:01	14:28:22	00:01:40	-----	309-	28-	83-	16276
T1 (118)	17/07/29	14:19:34	14:30:11	00:01:49	-----	191-	24-	72-	16157
B3 (15)	17/07/29	14:23:42	14:36:15	00:06:03	-----	301-	35-	83-	99086
A8 (12)	17/07/29	14:25:00	14:37:51	00:01:35	-----	297-	63-	134-	2614
A5 (09)	17/07/29	14:38:02	14:50:44	00:12:42	00:00:10	296-	54-	138-	2633
B2 (14)	17/07/29	14:39:40	14:52:21	00:01:36	-----	302-	38-	88-	99086
S1 (116)	17/07/29	14:43:00	14:54:43	00:02:21	-----	310-	35-	93-	16277
A7 (11)	17/07/29	14:50:06	15:02:34	00:07:51	-----	293-	44-	144-	2633
T2 (110)	17/07/29	14:53:25	15:05:13	00:02:38	-----	210-	41-	64-	16241
B1 (13)	17/07/29	14:55:50	15:08:40	00:03:27	-----	303-	41-	93-	98999
A6 (10)	17/07/29	15:03:41	15:15:56	00:07:15	-----	291-	38-	149-	20135
S2 (113)	17/07/29	15:08:36	15:20:39	00:04:43	-----	309-	44-	102-	16365
B6 (18)	17/07/29	15:11:00	15:24:03	00:03:24	-----	303-	51-	101-	99087
C3 (23)	17/07/29	15:16:44	15:29:44	00:05:40	-----	221-	53-	64-	98443
A2 (06)	17/07/29	15:19:53	15:31:37	00:01:53	-----	288-	29-	157-	2633
T3 (105)	17/07/29	15:24:13	15:33:48	00:02:11	-----	179-	16-	81-	15406
B7 (19)	17/07/29	15:25:37	15:38:47	00:04:58	-----	303-	57-	106-	99087
T4 (114)	17/07/29	15:26:46	15:39:05	00:00:18	-----	226-	70-	59-	16244
A1 (05)	17/07/29	15:28:01	15:39:28	00:00:23	-----	286-	26-	161-	2542
C1 (21)	17/07/29	15:29:23	15:42:32	00:03:03	-----	227-	66-	62-	98401
S3 (112)	17/07/29	15:34:53	15:47:11	00:04:38	-----	307-	60-	113-	16360
B8 (20)	17/07/29	15:42:14	15:55:28	00:08:17	-----	302-	67-	112-	99098
A3 (07)	17/07/29	15:44:24	15:55:03	00:00:02	-----	281-	20-	170-	2634
C7 (27)	17/07/29	15:53:16	16:06:32	00:11:29	-----	236-	85-	60-	98440
B4 (16)	17/07/29	15:55:31	16:08:48	00:02:15	-----	302-	73-	115-	99087
A4 (08)	17/07/29	16:00:06	16:09:26	00:00:37	-----	274-	15-	182-	2634
S4 (119)	17/07/29	16:00:48	16:13:12	00:03:45	-----	305-	83-	123-	16277
T1 (118)	17/07/29	16:02:07	16:14:29	00:01:17	-----	243-	70-	54-	16158

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
G2 (04)	17/07/29	16:07:38	16:19:06	00:04:37	-----	39-	33-	177-	1245
B3 (15)	17/07/29	16:09:28	16:22:46	00:03:39	-----	301-	83-	119-	99087
A8 (12)	17/07/29	16:11:40	16:20:05	00:02:04	-----	269-	12-	189-	2615
A5 (09)	17/07/29	16:25:10	16:32:20	00:07:10	00:05:04	263-	10-	198-	2634
B2 (14)	17/07/29	16:25:23	16:38:39	00:06:18	-----	299-	81-	126-	99087
S1 (116)	17/07/29	16:26:45	16:39:02	00:00:22	-----	301-	66-	135-	16278
T2 (110)	17/07/29	16:37:01	16:49:07	00:10:04	-----	257-	46-	52-	16242
A7 (11)	17/07/29	16:38:09	16:43:03	00:06:03	-----	251-	7-	212-	2634
B1 (13)	17/07/29	16:41:32	16:54:45	00:11:41	-----	298-	68-	132-	99000
S2 (113)	17/07/29	16:52:28	17:04:22	00:09:37	-----	296-	44-	147-	16366
B6 (18)	17/07/29	16:56:44	17:09:37	00:05:14	-----	294-	47-	142-	99088
C3 (23)	17/07/29	17:02:28	17:15:28	00:05:51	-----	262-	47-	57-	98444
T3 (105)	17/07/29	17:06:38	17:19:27	00:03:59	-----	232-	84-	57-	15407
T4 (114)	17/07/29	17:11:10	17:22:50	00:03:23	-----	269-	34-	51-	16245
B7 (19)	17/07/29	17:11:26	17:24:00	00:01:10	-----	292-	39-	149-	99088
C1 (21)	17/07/29	17:15:23	17:28:14	00:04:13	-----	267-	42-	58-	98402
S3 (112)	17/07/29	17:19:00	17:30:10	00:01:55	-----	290-	29-	160-	16361
B8 (20)	17/07/29	17:28:11	17:40:17	00:10:06	-----	288-	31-	156-	99099
C7 (27)	17/07/29	17:39:37	17:52:16	00:11:59	-----	274-	37-	59-	98441
B4 (16)	17/07/29	17:41:33	17:53:24	00:01:08	-----	287-	28-	159-	99088
S4 (119)	17/07/29	17:45:20	17:55:17	00:01:53	-----	282-	19-	174-	16278
G2 (04)	17/07/29	17:46:09	17:57:18	00:02:00	-----	8-	30-	238-	1246
T1 (118)	17/07/29	17:47:08	17:58:18	00:01:00	-----	283-	26-	52-	16159
B3 (15)	17/07/29	17:55:41	18:07:00	00:08:41	-----	283-	23-	166-	99088
B2 (14)	17/07/29	18:11:55	18:22:15	00:10:19	00:04:55	278-	18-	175-	99088
S1 (116)	17/07/29	18:12:10	18:19:45	00:02:02	-----	269-	11-	194-	16279
T2 (110)	17/07/29	18:22:20	18:33:10	00:10:49	00:02:34	293-	23-	56-	16243
B1 (13)	17/07/29	18:28:28	18:37:41	00:04:31	-----	273-	14-	184-	99001
B6 (18)	17/07/29	18:44:54	18:50:57	00:06:02	00:07:12	257-	8-	205-	99089
C3 (23)	17/07/29	18:49:21	19:01:38	00:10:41	-----	292-	30-	68-	98445
T3 (105)	17/07/29	18:52:07	19:04:04	00:02:26	-----	273-	32-	52-	15408
T4 (114)	17/07/29	18:56:31	19:07:13	00:03:09	-----	300-	22-	61-	16246
C1 (21)	17/07/29	19:02:15	19:14:32	00:07:18	-----	295-	31-	71-	98403
C7 (27)	17/07/29	19:26:24	19:38:45	00:12:20	00:11:52	298-	32-	76-	98442
T1 (118)	17/07/29	19:32:16	19:43:09	00:04:23	-----	306-	24-	70-	16160
K9 (109)	17/07/29	19:41:25	19:49:52	00:06:43	-----	173-	13-	86-	15272
K4 (104)	17/07/29	19:59:32	20:08:23	00:08:51	00:09:39	177-	14-	83-	15444
K7 (107)	17/07/29	20:05:25	20:15:36	00:07:12	-----	186-	20-	75-	15272
T2 (110)	17/07/29	20:07:06	20:18:22	00:02:45	-----	309-	27-	81-	16244
K6 (106)	17/07/29	20:29:35	20:40:53	00:11:17	00:11:13	200-	31-	68-	16171
C3 (23)	17/07/29	20:35:35	20:48:31	00:07:38	-----	303-	45-	96-	98446
T3 (105)	17/07/29	20:38:17	20:49:31	00:01:00	-----	302-	24-	65-	15409
T4 (114)	17/07/29	20:40:54	20:52:35	00:03:04	-----	310-	34-	92-	16247
C1 (21)	17/07/29	20:48:20	21:01:24	00:08:48	-----	303-	50-	101-	98404
K3 (103)	17/07/29	20:55:50	21:07:48	00:06:24	-----	214-	47-	62-	15273
C7 (27)	17/07/29	21:12:20	21:25:32	00:13:12	00:04:32	303-	61-	109-	98443
T1 (118)	17/07/29	21:16:15	21:28:25	00:02:53	-----	308-	50-	107-	16161
K9 (109)	17/07/29	21:22:38	21:34:58	00:06:32	-----	228-	75-	58-	15273
K4 (104)	17/07/29	21:41:05	21:53:22	00:12:16	00:06:07	231-	81-	57-	15445
K7 (107)	17/07/29	21:47:39	22:00:02	00:06:40	-----	239-	79-	55-	15273

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
T2 (110)	17/07/29	21:50:53	22:03:17	00:03:14	-----	305-	77-	120-	16245
K6 (106)	17/07/29	22:12:41	22:24:56	00:12:15	00:09:24	249-	57-	53-	16172
C3 (23)	17/07/29	22:21:18	22:34:24	00:09:27	-----	296-	59-	136-	98447
T3 (105)	17/07/29	22:23:23	22:35:44	00:01:20	-----	309-	41-	98-	15410
T4 (114)	17/07/29	22:24:39	22:36:56	00:01:11	-----	301-	68-	135-	16248
C1 (21)	17/07/29	22:34:05	22:46:57	00:10:01	-----	294-	48-	142-	98405
K3 (103)	17/07/29	22:39:39	22:51:38	00:04:40	-----	260-	43-	51-	15274
C7 (27)	17/07/29	22:58:13	23:10:35	00:12:22	00:06:34	290-	35-	152-	98444
T1 (118)	17/07/29	23:00:12	23:11:52	00:01:16	-----	294-	37-	152-	16162
K9 (109)	17/07/29	23:07:07	23:18:43	00:06:50	-----	271-	32-	51-	15274
K4 (104)	17/07/29	23:25:47	23:37:12	00:11:25	00:07:04	273-	31-	51-	15446
K7 (107)	17/07/29	23:32:33	23:43:49	00:06:36	-----	280-	28-	52-	15274
T2 (110)	17/07/29	23:35:18	23:45:39	00:01:49	-----	284-	21-	170-	16246
K6 (106)	17/07/29	23:57:52	00:08:50	00:10:58	00:12:13	288-	24-	54-	16173
T3 (105)	17/07/30	00:08:02	00:20:37	00:11:46	-----	299-	54-	141-	15411
C3 (23)	17/07/30	00:08:38	00:16:48	00:03:04	-----	267-	11-	192-	98448
T4 (114)	17/07/30	00:10:00	00:17:45	00:00:57	-----	270-	11-	193-	16249
C1 (21)	17/07/30	00:22:13	00:28:20	00:06:06	00:04:28	258-	8-	205-	98406
K3 (103)	17/07/30	00:25:00	00:35:45	00:07:25	-----	295-	23-	57-	15275
D3 (31)	17/07/30	00:46:46	00:55:11	00:08:24	00:11:01	171-	12-	91-	92088
K9 (109)	17/07/30	00:52:28	01:03:10	00:07:58	-----	301-	22-	62-	15275
D4 (32)	17/07/30	01:04:18	01:14:32	00:10:13	00:01:08	184-	17-	81-	92175
D2 (30)	17/07/30	01:06:40	01:15:23	00:00:50	-----	173-	13-	89-	92176
K4 (104)	17/07/30	01:11:11	01:21:50	00:06:26	-----	302-	22-	63-	15447
K7 (107)	17/07/30	01:17:46	01:28:33	00:06:43	-----	305-	23-	68-	15275
D6 (34)	17/07/30	01:30:10	01:39:47	00:09:36	00:01:36	179-	15-	84-	92179
K6 (106)	17/07/30	01:42:51	01:53:52	00:11:00	00:03:03	308-	25-	75-	16174
G2 (04)	17/07/30	01:45:16	01:55:14	00:01:22	-----	104-	18-	2-	1251
D7 (35)	17/07/30	01:47:48	01:58:31	00:03:17	-----	188-	20-	78-	92176
T3 (105)	17/07/30	01:54:58	02:01:17	00:02:45	-----	262-	9-	205-	15412
D8 (36)	17/07/30	02:07:46	02:19:43	00:11:57	00:06:29	200-	30-	71-	92132
K3 (103)	17/07/30	02:09:40	02:21:00	00:01:16	-----	309-	29-	83-	15276
D3 (31)	17/07/30	02:29:19	02:42:25	00:13:05	00:08:19	225-	61-	63-	92089
K9 (109)	17/07/30	02:36:47	02:48:32	00:06:07	-----	310-	36-	94-	15276
D4 (32)	17/07/30	02:47:53	03:01:09	00:12:37	-----	234-	80-	61-	92176
D2 (30)	17/07/30	02:49:22	03:02:28	00:01:19	-----	226-	64-	63-	92177
K4 (104)	17/07/30	02:55:31	03:07:19	00:04:50	-----	310-	38-	96-	15448
K7 (107)	17/07/30	03:01:50	03:13:53	00:06:33	-----	309-	45-	103-	15276
D6 (34)	17/07/30	03:13:22	03:26:34	00:12:41	-----	230-	73-	61-	92180
G2 (04)	17/07/30	03:21:49	03:34:37	00:08:02	-----	163-	66-	331-	1252
K6 (106)	17/07/30	03:26:43	03:39:00	00:04:23	-----	307-	60-	113-	16175
D7 (35)	17/07/30	03:31:39	03:44:56	00:05:55	-----	237-	88-	60-	92177
D8 (36)	17/07/30	03:52:28	04:05:43	00:13:14	00:07:32	247-	69-	58-	92133
K3 (103)	17/07/30	03:53:26	04:05:49	00:00:05	-----	305-	84-	124-	15277
D3 (31)	17/07/30	04:15:15	04:28:07	00:12:51	00:09:26	265-	44-	57-	92090
K9 (109)	17/07/30	04:20:32	04:32:46	00:04:39	-----	300-	63-	137-	15277
D4 (32)	17/07/30	04:34:13	04:46:54	00:12:40	00:01:26	272-	38-	58-	92177
D2 (30)	17/07/30	04:35:21	04:48:10	00:01:16	-----	266-	43-	58-	92178
K4 (104)	17/07/30	04:39:22	04:51:33	00:03:23	-----	299-	57-	139-	15449
K7 (107)	17/07/30	04:45:42	04:57:33	00:06:00	-----	296-	42-	148-	15277

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
D6 (34)	17/07/30	04:59:32	05:12:16	00:12:44	00:01:58	270-	40-	58-	92181
G2 (04)	17/07/30	05:05:31	05:09:09	00:03:07	-----	242-	6-	280-	1253
K6 (106)	17/07/30	05:10:50	05:21:58	00:11:08	00:01:41	290-	28-	161-	16176
A5 (09)	17/07/30	05:14:10	05:19:04	00:02:05	-----	150-	7-	105-	2642
D7 (35)	17/07/30	05:18:03	05:30:39	00:11:34	-----	275-	36-	59-	92178
A7 (11)	17/07/30	05:24:51	05:32:05	00:01:26	-----	165-	10-	97-	2642
A6 (10)	17/07/30	05:37:38	05:46:06	00:08:27	00:05:33	173-	12-	90-	20144
K3 (103)	17/07/30	05:38:00	05:47:49	00:01:43	-----	282-	18-	175-	15278
D8 (36)	17/07/30	05:39:10	05:51:34	00:03:45	-----	282-	33-	61-	92134
A2 (06)	17/07/30	05:52:46	06:02:43	00:09:56	00:01:11	183-	17-	81-	2642
A1 (05)	17/07/30	06:00:30	06:10:55	00:08:12	-----	188-	19-	79-	2551
D3 (31)	17/07/30	06:02:07	06:14:21	00:03:25	-----	294-	30-	69-	92091
K9 (109)	17/07/30	06:06:06	06:13:18	00:01:03	-----	267-	10-	197-	15278
A3 (07)	17/07/30	06:16:04	06:27:21	00:11:16	00:02:46	196-	24-	74-	2643
D4 (32)	17/07/30	06:21:04	06:33:22	00:06:01	-----	297-	31-	74-	92178
D2 (30)	17/07/30	06:22:13	06:34:26	00:01:04	-----	294-	30-	70-	92179
K4 (104)	17/07/30	06:25:18	06:31:48	00:02:03	-----	263-	9-	203-	15450
A4 (08)	17/07/30	06:30:47	06:42:47	00:10:58	-----	204-	33-	70-	2643
A8 (12)	17/07/30	06:41:49	06:54:05	00:11:17	-----	209-	38-	68-	2624
D6 (34)	17/07/30	06:46:22	06:58:38	00:04:33	-----	296-	31-	72-	92182
A5 (09)	17/07/30	06:54:37	07:07:08	00:08:30	-----	216-	44-	66-	2643
D7 (35)	17/07/30	07:04:50	07:17:09	00:10:00	-----	298-	32-	76-	92179
A7 (11)	17/07/30	07:06:27	07:19:13	00:02:03	-----	222-	54-	64-	2643
S2 (113)	17/07/30	07:17:11	07:24:19	00:05:06	-----	164-	10-	94-	16375
A6 (10)	17/07/30	07:19:53	07:32:46	00:08:27	-----	226-	63-	63-	20145
D8 (36)	17/07/30	07:25:45	07:38:18	00:05:31	-----	301-	35-	83-	92135
B6 (18)	17/07/30	07:35:18	07:42:55	00:04:37	-----	166-	10-	95-	99097
A2 (06)	17/07/30	07:35:50	07:48:51	00:05:55	-----	233-	79-	61-	2643
S3 (112)	17/07/30	07:42:02	07:51:35	00:02:43	-----	182-	17-	79-	16370
A1 (05)	17/07/30	07:43:51	07:56:53	00:05:18	-----	236-	87-	60-	2552
D3 (31)	17/07/30	07:48:16	08:01:13	00:04:19	-----	303-	48-	99-	92092
B7 (19)	17/07/30	07:49:02	07:58:09	00:03:03	-----	175-	14-	87-	99097
A3 (07)	17/07/30	08:00:00	08:13:01	00:13:01	00:01:49	243-	78-	59-	2644
B8 (20)	17/07/30	08:04:52	08:15:11	00:02:09	-----	185-	18-	80-	99108
S4 (119)	17/07/30	08:07:05	08:17:59	00:02:48	-----	194-	26-	71-	16287
D4 (32)	17/07/30	08:07:05	08:20:12	00:02:13	-----	303-	58-	107-	92179
D2 (30)	17/07/30	08:08:19	08:21:19	00:01:06	-----	303-	49-	100-	92180
A4 (08)	17/07/30	08:15:15	08:28:14	00:06:55	-----	250-	64-	58-	2644
B4 (16)	17/07/30	08:17:53	08:28:38	00:00:24	-----	189-	20-	78-	99097
A8 (12)	17/07/30	08:26:33	08:39:27	00:10:48	-----	254-	57-	57-	2625
B3 (15)	17/07/30	08:31:24	08:42:48	00:03:21	-----	196-	24-	74-	99097
S1 (116)	17/07/30	08:32:22	08:44:11	00:01:23	-----	210-	41-	64-	16288
D6 (34)	17/07/30	08:32:24	08:45:29	00:01:17	-----	303-	54-	104-	92183
A5 (09)	17/07/30	08:39:38	08:52:26	00:06:56	-----	258-	52-	57-	2644
B2 (14)	17/07/30	08:46:52	08:58:55	00:06:29	-----	202-	31-	70-	99097
D7 (35)	17/07/30	08:50:44	09:03:55	00:05:00	-----	303-	63-	109-	92180
A7 (11)	17/07/30	08:51:46	09:04:27	00:00:32	-----	263-	46-	57-	2644
S2 (113)	17/07/30	08:57:40	09:09:55	00:05:27	-----	223-	62-	60-	16376
B1 (13)	17/07/30	09:02:42	09:15:11	00:05:16	-----	209-	38-	67-	99010
A6 (10)	17/07/30	09:05:25	09:18:00	00:02:48	-----	267-	42-	57-	20146

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D8 (36)	17/07/30	09:11:31	09:24:49	00:06:49	-----	301-	84-	120-	92136
B6 (18)	17/07/30	09:17:26	09:30:27	00:05:38	-----	222-	55-	64-	99098
A2 (06)	17/07/30	09:21:38	09:34:05	00:03:37	-----	272-	38-	58-	2644
S3 (112)	17/07/30	09:23:51	09:36:16	00:02:11	-----	234-	90-	56-	16371
A1 (05)	17/07/30	09:29:46	09:42:08	00:05:52	-----	275-	36-	58-	2553
B7 (19)	17/07/30	09:31:56	09:45:06	00:02:58	-----	228-	67-	62-	99098
D3 (31)	17/07/30	09:34:00	09:46:54	00:01:47	-----	295-	52-	140-	92093
A3 (07)	17/07/30	09:46:06	09:58:19	00:11:25	-----	279-	33-	60-	2645
B8 (20)	17/07/30	09:48:28	10:01:43	00:03:23	-----	234-	82-	61-	99109
S4 (119)	17/07/30	09:49:50	10:02:11	00:00:27	-----	245-	65-	54-	16288
D4 (32)	17/07/30	09:52:57	10:05:26	00:03:15	-----	291-	38-	149-	92180
D2 (30)	17/07/30	09:54:04	10:06:56	00:01:29	-----	295-	49-	141-	92181
A4 (08)	17/07/30	10:01:33	10:13:38	00:06:42	-----	285-	31-	62-	2645
B4 (16)	17/07/30	10:01:45	10:15:01	00:01:23	-----	237-	88-	60-	99098
A8 (12)	17/07/30	10:12:54	10:24:55	00:09:54	-----	287-	30-	63-	2626
B3 (15)	17/07/30	10:15:42	10:28:58	00:04:02	-----	242-	80-	59-	99098
S1 (116)	17/07/30	10:15:59	10:28:05	00:00:05	-----	257-	46-	52-	16289
D6 (34)	17/07/30	10:18:11	10:30:52	00:02:47	-----	293-	43-	146-	92184
A5 (09)	17/07/30	10:26:02	10:38:00	00:07:07	-----	290-	30-	65-	2645
B2 (14)	17/07/30	10:31:39	10:44:53	00:06:53	-----	248-	67-	58-	99098
D7 (35)	17/07/30	10:36:38	10:48:54	00:04:01	-----	290-	34-	153-	92181
A7 (11)	17/07/30	10:38:11	10:50:08	00:01:13	-----	293-	30-	67-	2645
S2 (113)	17/07/30	10:41:53	10:53:41	00:03:33	-----	266-	36-	51-	16377
B1 (13)	17/07/30	10:47:52	11:01:02	00:07:20	-----	254-	58-	58-	99011
A6 (10)	17/07/30	10:51:49	11:03:46	00:02:44	-----	295-	30-	70-	20147
D8 (36)	17/07/30	10:57:45	11:09:00	00:05:12	-----	283-	23-	166-	92137
B6 (18)	17/07/30	11:03:13	11:16:10	00:07:10	-----	263-	46-	58-	99099
A2 (06)	17/07/30	11:08:00	11:20:01	00:03:51	-----	297-	30-	73-	2645
S3 (112)	17/07/30	11:08:35	11:20:01	00:00:00	-----	276-	30-	51-	16372
A1 (05)	17/07/30	11:16:04	11:28:09	00:08:07	-----	298-	31-	75-	2554
B7 (19)	17/07/30	11:17:59	11:30:48	00:02:39	-----	268-	42-	58-	99099
D3 (31)	17/07/30	11:21:47	11:28:41	00:02:07	-----	261-	9-	201-	92094
A3 (07)	17/07/30	11:32:19	11:44:28	00:12:09	00:03:37	300-	32-	79-	2646
B8 (20)	17/07/30	11:34:46	11:47:26	00:02:57	-----	273-	38-	59-	99110
S4 (119)	17/07/30	11:34:55	11:46:02	00:01:02	-----	284-	26-	53-	16289
D2 (30)	17/07/30	11:42:02	11:48:30	00:02:27	-----	259-	9-	204-	92182
A4 (08)	17/07/30	11:47:37	11:59:54	00:11:24	-----	302-	35-	85-	2646
B4 (16)	17/07/30	11:48:09	12:00:45	00:00:51	-----	275-	36-	59-	99099
A8 (12)	17/07/30	11:58:52	12:11:15	00:10:29	-----	303-	37-	88-	2627
S1 (116)	17/07/30	12:01:18	12:12:08	00:00:52	-----	293-	23-	56-	16290
B3 (15)	17/07/30	12:02:15	12:14:45	00:02:37	-----	279-	34-	60-	99099
D6 (34)	17/07/30	12:07:01	12:11:25	00:03:02	-----	253-	7-	212-	92185
A5 (09)	17/07/30	12:11:53	12:24:22	00:12:28	00:00:27	303-	40-	92-	2646
B2 (14)	17/07/30	12:18:22	12:30:45	00:06:23	-----	283-	32-	62-	99099
A7 (11)	17/07/30	12:23:55	12:36:31	00:05:45	-----	303-	44-	96-	2646
S2 (113)	17/07/30	12:27:16	12:38:00	00:01:27	-----	299-	22-	60-	16378
B1 (13)	17/07/30	12:34:40	12:47:00	00:09:01	-----	287-	31-	64-	99012
A6 (10)	17/07/30	12:37:27	12:50:10	00:03:09	-----	303-	48-	100-	20148
B6 (18)	17/07/30	12:50:05	13:02:22	00:12:11	-----	292-	30-	68-	99100
A2 (06)	17/07/30	12:53:29	13:06:22	00:04:00	-----	303-	57-	106-	2646

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
S3 (112)	17/07/30	12:53:52	13:04:38	00:01:04	-----	303-	23-	65-	16373
C3 (23)	17/07/30	13:01:22	13:06:35	00:01:56	-----	151-	7-	104-	98456
A1 (05)	17/07/30	13:01:31	13:14:27	00:07:51	-----	303-	61-	109-	2555
B7 (19)	17/07/30	13:04:50	13:17:07	00:02:40	-----	295-	31-	71-	99100
C1 (21)	17/07/30	13:12:41	13:20:16	00:03:08	-----	166-	10-	96-	98414
A3 (07)	17/07/30	13:17:40	13:30:39	00:10:22	-----	302-	73-	115-	2647
S4 (119)	17/07/30	13:20:00	13:30:56	00:00:17	-----	307-	24-	72-	16290
B8 (20)	17/07/30	13:21:34	13:33:53	00:02:56	-----	297-	31-	75-	99111
T1 (118)	17/07/30	13:24:11	13:32:27	00:01:02	-----	172-	13-	88-	16171
A4 (08)	17/07/30	13:32:53	13:45:51	00:12:58	00:00:26	300-	89-	122-	2647
B4 (16)	17/07/30	13:34:54	13:47:16	00:01:25	-----	298-	32-	76-	99100
C7 (27)	17/07/30	13:35:25	13:45:05	00:02:01	-----	180-	15-	83-	98453
A8 (12)	17/07/30	13:44:06	13:57:04	00:11:58	-----	299-	81-	126-	2628
S1 (116)	17/07/30	13:46:04	13:57:19	00:00:15	-----	309-	27-	81-	16291
B3 (15)	17/07/30	13:48:56	14:01:23	00:04:03	-----	300-	33-	80-	99100
A5 (09)	17/07/30	13:57:07	14:10:01	00:08:37	-----	298-	70-	131-	2647
T2 (110)	17/07/30	13:57:22	14:07:58	00:02:02	-----	190-	23-	72-	16255
B2 (14)	17/07/30	14:04:55	14:17:30	00:09:31	-----	301-	36-	84-	99100
A7 (11)	17/07/30	14:09:09	14:21:55	00:04:25	-----	296-	58-	136-	2647
S2 (113)	17/07/30	14:11:43	14:23:19	00:01:24	-----	310-	32-	89-	16379
B1 (13)	17/07/30	14:21:06	14:33:49	00:10:29	-----	302-	38-	89-	99013
A6 (10)	17/07/30	14:22:43	14:35:20	00:01:31	-----	295-	50-	141-	20149
T4 (114)	17/07/30	14:30:18	14:42:04	00:06:43	-----	209-	40-	64-	16258
B6 (18)	17/07/30	14:36:16	14:49:14	00:07:10	-----	303-	46-	97-	99101
S3 (112)	17/07/30	14:38:03	14:50:00	00:00:45	-----	309-	40-	99-	16374
A2 (06)	17/07/30	14:38:51	14:51:08	00:01:09	-----	292-	39-	148-	2647
T3 (105)	17/07/30	14:40:12	14:47:23	00:03:04	-----	163-	10-	95-	15420
C3 (23)	17/07/30	14:42:19	14:55:05	00:07:42	-----	215-	45-	66-	98457
A1 (05)	17/07/30	14:46:56	14:59:01	00:03:56	-----	290-	34-	152-	2556
B7 (19)	17/07/30	14:50:54	15:03:58	00:04:56	-----	303-	51-	102-	99101
C1 (21)	17/07/30	14:54:48	15:07:48	00:03:49	-----	222-	55-	64-	98415
A3 (07)	17/07/30	15:03:15	15:14:47	00:06:58	-----	286-	27-	160-	2648
S4 (119)	17/07/30	15:03:57	15:16:10	00:01:23	-----	308-	53-	109-	16291
T1 (118)	17/07/30	15:05:16	15:17:36	00:01:25	-----	227-	73-	58-	16172
B8 (20)	17/07/30	15:07:31	15:20:40	00:03:04	-----	303-	59-	107-	99112
C7 (27)	17/07/30	15:18:39	15:31:51	00:11:10	-----	231-	73-	61-	98454
A4 (08)	17/07/30	15:18:46	15:29:20	00:02:03	-----	281-	20-	170-	2648
B4 (16)	17/07/30	15:20:48	15:34:02	00:04:41	-----	302-	64-	110-	99101
S1 (116)	17/07/30	15:29:52	15:42:15	00:08:13	-----	305-	76-	120-	16292
A8 (12)	17/07/30	15:30:13	15:40:08	00:02:06	-----	277-	17-	176-	2629
B3 (15)	17/07/30	15:34:45	15:48:02	00:07:54	-----	302-	73-	115-	99101
T2 (110)	17/07/30	15:39:54	15:52:16	00:04:13	-----	242-	70-	54-	16256
G2 (04)	17/07/30	15:40:07	15:49:26	00:02:04	-----	53-	16-	153-	1259
A5 (09)	17/07/30	15:43:31	15:52:38	00:03:11	-----	273-	14-	184-	2648
B2 (14)	17/07/30	15:50:40	16:03:58	00:11:19	-----	301-	87-	121-	99101
S2 (113)	17/07/30	15:55:28	16:07:49	00:03:51	-----	302-	76-	131-	16380
A7 (11)	17/07/30	15:56:03	16:03:49	00:04:00	-----	266-	11-	194-	2648
B1 (13)	17/07/30	16:06:48	16:20:05	00:13:17	00:02:59	299-	80-	127-	99014
A6 (10)	17/07/30	16:10:12	16:16:30	00:03:03	-----	259-	8-	203-	20150
T4 (114)	17/07/30	16:13:51	16:25:58	00:09:28	-----	256-	47-	52-	16259

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
T3 (105)	17/07/30	16:21:19	16:33:57	00:07:58	-----	221-	60-	60-	15421
S3 (112)	17/07/30	16:21:51	16:33:56	00:00:01	-----	298-	51-	143-	16375
B6 (18)	17/07/30	16:22:00	16:35:03	00:01:07	-----	296-	57-	137-	99102
C3 (23)	17/07/30	16:27:47	16:40:52	00:05:49	-----	258-	52-	57-	98458
B7 (19)	17/07/30	16:36:40	16:49:30	00:08:37	-----	294-	47-	143-	99102
C1 (21)	17/07/30	16:40:34	16:53:31	00:04:01	-----	263-	46-	57-	98416
S4 (119)	17/07/30	16:47:57	16:59:27	00:05:55	-----	292-	34-	155-	16292
T1 (118)	17/07/30	16:49:43	17:01:21	00:01:53	-----	270-	33-	51-	16173
B8 (20)	17/07/30	16:53:21	17:05:49	00:04:28	-----	291-	37-	150-	99113
C7 (27)	17/07/30	17:04:49	17:17:34	00:11:44	-----	270-	40-	58-	98455
B4 (16)	17/07/30	17:06:43	17:19:00	00:01:25	-----	290-	33-	153-	99102
S1 (116)	17/07/30	17:14:16	17:24:36	00:05:36	-----	284-	21-	170-	16293
G2 (04)	17/07/30	17:17:26	17:29:34	00:04:57	-----	18-	58-	218-	1260
B3 (15)	17/07/30	17:20:48	17:32:38	00:03:03	-----	287-	28-	159-	99102
T2 (110)	17/07/30	17:24:54	17:36:05	00:03:27	-----	282-	26-	52-	16257
B2 (14)	17/07/30	17:36:57	17:48:02	00:11:04	00:00:52	282-	22-	168-	99102
S2 (113)	17/07/30	17:40:31	17:49:05	00:01:02	-----	274-	13-	187-	16381
B1 (13)	17/07/30	17:53:24	18:03:37	00:10:13	00:04:19	278-	17-	176-	99015
T4 (114)	17/07/30	17:59:10	18:10:00	00:06:23	-----	292-	23-	55-	16260
T3 (105)	17/07/30	18:06:19	18:18:36	00:08:35	-----	265-	38-	52-	15422
S3 (112)	17/07/30	18:08:14	18:13:25	00:05:01	-----	256-	7-	211-	16376
B6 (18)	17/07/30	18:09:26	18:17:17	00:03:51	-----	266-	11-	194-	99103
C3 (23)	17/07/30	18:14:38	18:26:56	00:09:39	-----	289-	31-	66-	98459
B7 (19)	17/07/30	18:24:56	18:30:42	00:03:45	-----	256-	8-	207-	99103
C1 (21)	17/07/30	18:27:26	18:39:43	00:09:00	-----	292-	30-	68-	98417
T1 (118)	17/07/30	18:35:04	18:45:47	00:06:03	-----	301-	22-	62-	16174
C7 (27)	17/07/30	18:51:39	19:03:56	00:12:17	00:05:52	296-	31-	73-	98456
G2 (04)	17/07/30	18:58:11	19:03:47	00:00:09	-----	343-	8-	285-	1261
K4 (104)	17/07/30	19:06:39	19:10:58	00:04:18	00:02:52	146-	7-	104-	15458
T2 (110)	17/07/30	19:10:03	19:20:55	00:09:57	-----	306-	24-	70-	16258
K7 (107)	17/07/30	19:10:18	19:17:38	00:03:01	-----	166-	11-	93-	15286
K6 (106)	17/07/30	19:33:50	19:43:25	00:09:35	00:16:12	182-	17-	79-	16185
T4 (114)	17/07/30	19:43:57	19:55:10	00:11:12	00:00:32	309-	27-	80-	16261
T3 (105)	17/07/30	19:52:33	20:03:46	00:08:35	-----	297-	23-	60-	15423
K3 (103)	17/07/30	19:59:40	20:10:37	00:06:51	-----	195-	26-	70-	15287
C3 (23)	17/07/30	20:00:59	20:13:48	00:03:11	-----	303-	41-	92-	98460
C1 (21)	17/07/30	20:13:38	20:26:35	00:12:46	-----	303-	46-	97-	98418
T1 (118)	17/07/30	20:19:24	20:31:09	00:04:33	-----	310-	35-	93-	16175
K9 (109)	17/07/30	20:26:07	20:38:00	00:06:50	-----	212-	43-	63-	15287
C7 (27)	17/07/30	20:37:40	20:50:47	00:12:47	-----	303-	55-	104-	98457
K4 (104)	17/07/30	20:45:51	20:57:47	00:07:00	-----	216-	48-	62-	15459
K7 (107)	17/07/30	20:50:53	21:03:08	00:05:21	-----	224-	64-	59-	15287
T2 (110)	17/07/30	20:54:02	21:06:12	00:03:04	-----	308-	49-	106-	16259
K6 (106)	17/07/30	21:15:42	21:28:05	00:12:23	00:09:29	235-	89-	56-	16186
T4 (114)	17/07/30	21:27:45	21:40:07	00:12:01	-----	306-	75-	120-	16262
T3 (105)	17/07/30	21:37:55	21:49:58	00:09:50	-----	309-	33-	90-	15424
K3 (103)	17/07/30	21:42:28	21:54:47	00:04:49	-----	246-	64-	53-	15288
C3 (23)	17/07/30	21:46:41	21:59:54	00:05:06	-----	298-	69-	131-	98461
C1 (21)	17/07/30	21:59:21	22:12:25	00:12:30	-----	296-	57-	137-	98419
T1 (118)	17/07/30	22:03:09	22:15:26	00:03:01	-----	301-	65-	136-	16176

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K9 (109)	17/07/30	22:09:49	22:21:51	00:06:24	-----	258-	45-	51-	15288
C7 (27)	17/07/30	22:23:27	22:36:09	00:12:41	00:01:35	293-	42-	146-	98458
K4 (104)	17/07/30	22:29:49	22:41:42	00:05:33	-----	261-	41-	51-	15460
K7 (107)	17/07/30	22:35:09	22:46:54	00:05:11	-----	267-	35-	51-	15288
T2 (110)	17/07/30	22:37:58	22:49:39	00:02:45	-----	294-	37-	152-	16260
K6 (106)	17/07/30	23:00:26	23:11:50	00:11:23	00:10:46	276-	29-	51-	16187
T4 (114)	17/07/30	23:12:07	23:22:31	00:10:23	00:00:17	285-	22-	169-	16263
T3 (105)	17/07/30	23:22:32	23:35:20	00:12:48	-----	302-	77-	131-	15425
K3 (103)	17/07/30	23:27:34	23:38:38	00:03:18	-----	285-	25-	53-	15289
C3 (23)	17/07/30	23:33:35	23:42:56	00:04:18	-----	273-	14-	183-	98462
C1 (21)	17/07/30	23:46:47	23:54:40	00:07:52	00:03:50	266-	11-	194-	98420
T1 (118)	17/07/30	23:48:37	23:56:06	00:01:26	-----	269-	11-	195-	16177
K9 (109)	17/07/30	23:55:09	00:05:56	00:09:49	-----	293-	23-	56-	15289
C7 (27)	17/07/31	00:12:22	00:16:36	00:04:14	00:06:25	248-	6-	216-	98459
D3 (31)	17/07/31	00:13:03	00:19:55	00:03:19	-----	162-	9-	99-	92102
K4 (104)	17/07/31	00:15:16	00:25:56	00:06:01	-----	295-	22-	57-	15461
K7 (107)	17/07/31	00:20:31	00:31:13	00:05:16	-----	299-	22-	60-	15289
D4 (32)	17/07/31	00:30:46	00:40:06	00:08:53	-----	177-	14-	85-	92189
D2 (30)	17/07/31	00:32:52	00:40:09	00:00:03	-----	164-	10-	97-	92190
K6 (106)	17/07/31	00:45:43	00:56:27	00:10:44	00:05:33	304-	23-	65-	16188
D6 (34)	17/07/31	00:56:14	01:04:44	00:08:16	-----	171-	12-	90-	92193
T3 (105)	17/07/31	01:08:23	01:17:28	00:09:04	00:03:38	276-	14-	185-	15426
K3 (103)	17/07/31	01:12:38	01:23:34	00:06:05	-----	307-	24-	72-	15290
D7 (35)	17/07/31	01:13:41	01:23:35	00:00:01	-----	181-	16-	82-	92190
G2 (04)	17/07/31	01:18:55	01:25:45	00:02:09	-----	79-	10-	15-	1265
D8 (36)	17/07/31	01:33:27	01:44:56	00:11:28	00:07:42	196-	25-	74-	92146
K9 (109)	17/07/31	01:39:52	01:51:09	00:06:12	-----	309-	28-	82-	15290
D3 (31)	17/07/31	01:54:48	02:07:44	00:12:55	00:03:39	220-	51-	65-	92103
K4 (104)	17/07/31	02:00:00	02:11:19	00:03:34	-----	310-	29-	84-	15462
K7 (107)	17/07/31	02:04:58	02:16:34	00:05:14	-----	310-	33-	90-	15290
D4 (32)	17/07/31	02:13:50	02:27:02	00:10:28	-----	229-	69-	62-	92190
D2 (30)	17/07/31	02:14:51	02:27:48	00:00:46	-----	221-	54-	64-	92191
K6 (106)	17/07/31	02:29:53	02:41:49	00:11:56	00:02:04	309-	41-	99-	16189
D6 (34)	17/07/31	02:38:50	02:51:56	00:10:06	-----	225-	62-	63-	92194
G2 (04)	17/07/31	02:53:30	03:06:12	00:12:42	00:01:34	144-	64-	341-	1266
K3 (103)	17/07/31	02:56:34	03:08:47	00:02:34	-----	308-	54-	109-	15291
D7 (35)	17/07/31	02:57:02	03:10:16	00:01:29	-----	232-	76-	61-	92191
D8 (36)	17/07/31	03:17:48	03:31:05	00:13:16	00:07:31	243-	79-	59-	92147
K9 (109)	17/07/31	03:23:39	03:36:01	00:04:56	-----	305-	80-	122-	15291
D3 (31)	17/07/31	03:40:29	03:53:28	00:12:58	00:04:27	261-	48-	57-	92104
K4 (104)	17/07/31	03:43:49	03:56:12	00:02:44	-----	304-	87-	125-	15463
K7 (107)	17/07/31	03:48:42	04:01:02	00:04:49	-----	302-	74-	132-	15291
D4 (32)	17/07/31	03:59:59	04:12:46	00:11:44	-----	268-	41-	58-	92191
D2 (30)	17/07/31	04:00:35	04:13:31	00:00:45	-----	262-	47-	57-	92192
K6 (106)	17/07/31	04:13:42	04:25:44	00:12:02	00:00:10	298-	50-	143-	16190
D6 (34)	17/07/31	04:24:46	04:37:38	00:11:53	-----	266-	43-	57-	92195
G2 (04)	17/07/31	04:33:47	04:43:25	00:05:47	-----	207-	16-	306-	1267
K3 (103)	17/07/31	04:40:35	04:52:03	00:08:37	-----	292-	33-	156-	15292
D7 (35)	17/07/31	04:43:15	04:55:58	00:03:55	-----	271-	39-	58-	92192
A6 (10)	17/07/31	04:58:10	05:04:17	00:06:06	00:02:12	159-	8-	103-	20158

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D8 (36)	17/07/31	05:04:23	05:16:52	00:12:29	00:00:05	279-	34-	60-	92148
K9 (109)	17/07/31	05:08:07	05:18:13	00:01:21	-----	283-	20-	172-	15292
A2 (06)	17/07/31	05:12:52	05:21:15	00:03:01	-----	172-	12-	91-	2656
A1 (05)	17/07/31	05:20:27	05:29:33	00:08:18	-----	177-	14-	86-	2565
D3 (31)	17/07/31	05:27:21	05:39:36	00:10:02	-----	291-	30-	67-	92105
K4 (104)	17/07/31	05:28:32	05:38:15	00:01:02	-----	281-	18-	177-	15464
K7 (107)	17/07/31	05:33:49	05:42:11	00:03:55	-----	273-	13-	189-	15292
A3 (07)	17/07/31	05:35:51	05:46:08	00:03:57	-----	186-	18-	80-	2657
D4 (32)	17/07/31	05:46:53	05:59:08	00:12:15	00:00:44	295-	31-	71-	92192
D2 (30)	17/07/31	05:47:28	05:59:41	00:00:32	-----	292-	30-	68-	92193
A4 (08)	17/07/31	05:50:21	06:01:41	00:02:00	-----	197-	25-	74-	2657
K6 (106)	17/07/31	06:00:08	06:05:09	00:03:27	-----	255-	7-	212-	16191
A8 (12)	17/07/31	06:01:21	06:13:03	00:07:53	-----	200-	29-	71-	2638
D6 (34)	17/07/31	06:11:39	06:23:53	00:10:49	-----	294-	30-	70-	92196
A5 (09)	17/07/31	06:14:05	06:26:08	00:02:15	-----	206-	34-	69-	2657
A7 (11)	17/07/31	06:25:51	06:38:15	00:12:06	-----	212-	41-	67-	2657
D7 (35)	17/07/31	06:30:05	06:42:22	00:04:06	-----	297-	31-	73-	92193
A6 (10)	17/07/31	06:39:12	06:51:51	00:09:29	-----	218-	49-	65-	20159
S3 (112)	17/07/31	06:47:24	06:53:13	00:01:22	-----	157-	8-	102-	16384
D8 (36)	17/07/31	06:51:04	07:03:30	00:10:17	-----	300-	33-	80-	92149
A2 (06)	17/07/31	06:55:04	07:07:57	00:04:26	-----	226-	62-	63-	2657
B6 (18)	17/07/31	07:01:45	07:07:24	00:00:03	-----	157-	8-	102-	99111
A1 (05)	17/07/31	07:03:02	07:16:00	00:08:34	-----	229-	69-	62-	2566
S4 (119)	17/07/31	07:11:33	07:20:21	00:04:21	-----	176-	14-	84-	16301
D3 (31)	17/07/31	07:13:37	07:26:27	00:06:06	-----	303-	44-	95-	92106
B7 (19)	17/07/31	07:15:07	07:22:54	00:03:03	-----	167-	11-	94-	99111
A3 (07)	17/07/31	07:19:07	07:32:09	00:09:14	-----	235-	85-	60-	2658
B8 (20)	17/07/31	07:30:44	07:40:07	00:07:57	-----	178-	14-	85-	99122
D4 (32)	17/07/31	07:32:59	07:46:01	00:05:54	-----	303-	52-	103-	92193
D2 (30)	17/07/31	07:33:41	07:46:33	00:00:32	-----	303-	45-	96-	92194
A4 (08)	17/07/31	07:34:18	07:47:21	00:00:47	-----	243-	78-	59-	2658
S1 (116)	17/07/31	07:36:20	07:46:57	00:00:02	-----	190-	23-	72-	16302
B4 (16)	17/07/31	07:43:42	07:53:38	00:06:40	-----	182-	16-	82-	99111
A8 (12)	17/07/31	07:45:35	07:58:35	00:04:57	-----	247-	69-	58-	2639
B3 (15)	17/07/31	07:57:07	08:07:52	00:09:17	-----	189-	20-	78-	99111
D6 (34)	17/07/31	07:57:46	08:10:45	00:02:52	-----	303-	48-	100-	92197
A5 (09)	17/07/31	07:58:38	08:11:33	00:00:48	-----	251-	62-	58-	2658
S2 (113)	17/07/31	08:01:17	08:12:51	00:01:17	-----	205-	35-	66-	16390
A7 (11)	17/07/31	08:10:44	08:23:34	00:10:43	-----	256-	54-	57-	2658
B2 (14)	17/07/31	08:12:28	08:24:04	00:00:29	-----	198-	26-	73-	99111
D7 (35)	17/07/31	08:16:06	08:29:11	00:05:07	-----	303-	56-	105-	92194
A6 (10)	17/07/31	08:24:21	08:37:07	00:07:55	-----	260-	49-	57-	20160
S3 (112)	17/07/31	08:27:11	08:39:20	00:02:12	-----	219-	54-	61-	16385
B1 (13)	17/07/31	08:28:15	08:40:22	00:01:02	-----	203-	32-	70-	99024
D8 (36)	17/07/31	08:36:53	08:50:09	00:09:47	-----	302-	73-	115-	92150
A2 (06)	17/07/31	08:40:34	08:53:10	00:03:01	-----	266-	43-	57-	2658
B6 (18)	17/07/31	08:42:53	08:55:42	00:02:31	-----	217-	46-	66-	99112
A1 (05)	17/07/31	08:48:40	09:01:12	00:05:30	-----	269-	40-	58-	2567
S4 (119)	17/07/31	08:52:57	09:05:19	00:04:06	-----	230-	79-	57-	16302
B7 (19)	17/07/31	08:57:20	09:10:22	00:05:02	-----	223-	57-	64-	99112

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D3 (31)	17/07/31	08:59:19	09:12:23	00:02:01	-----	297-	61-	135-	92107
A3 (07)	17/07/31	09:05:01	09:17:23	00:05:00	-----	274-	36-	58-	2659
B8 (20)	17/07/31	09:13:48	09:26:59	00:09:35	-----	229-	70-	62-	99123
D4 (32)	17/07/31	09:18:47	09:31:32	00:04:32	-----	293-	45-	144-	92194
S1 (116)	17/07/31	09:18:53	09:31:15	00:00:01	-----	242-	71-	54-	16303
D2 (30)	17/07/31	09:19:23	09:32:26	00:01:10	-----	296-	59-	136-	92195
A4 (08)	17/07/31	09:20:26	09:32:39	00:00:13	-----	280-	33-	60-	2659
B4 (16)	17/07/31	09:27:04	09:40:18	00:07:38	-----	232-	77-	61-	99112
A8 (12)	17/07/31	09:31:49	09:43:56	00:03:38	-----	282-	32-	61-	2640
B3 (15)	17/07/31	09:41:00	09:54:15	00:10:19	-----	237-	89-	60-	99112
D6 (34)	17/07/31	09:43:30	09:56:25	00:02:09	-----	295-	51-	140-	92198
S2 (113)	17/07/31	09:44:38	09:56:50	00:00:24	-----	253-	51-	52-	16391
A5 (09)	17/07/31	09:44:56	09:56:59	00:00:09	-----	285-	31-	62-	2659
B2 (14)	17/07/31	09:56:55	10:10:11	00:13:11	-----	244-	77-	59-	99112
A7 (11)	17/07/31	09:57:06	10:09:06	00:01:04	-----	289-	30-	64-	2659
D7 (35)	17/07/31	10:01:54	10:14:30	00:05:23	-----	292-	41-	147-	92195
A6 (10)	17/07/31	10:10:46	10:22:44	00:08:14	-----	291-	30-	66-	20161
S3 (112)	17/07/31	10:11:13	10:23:07	00:00:23	-----	263-	39-	51-	16386
B1 (13)	17/07/31	10:13:06	10:26:19	00:03:11	-----	249-	66-	58-	99025
D8 (36)	17/07/31	10:22:56	10:34:44	00:08:24	-----	286-	27-	160-	92151
A2 (06)	17/07/31	10:26:58	10:38:57	00:04:13	-----	294-	30-	69-	2659
B6 (18)	17/07/31	10:28:24	10:41:27	00:02:30	-----	259-	51-	57-	99113
A1 (05)	17/07/31	10:35:03	10:47:03	00:05:35	-----	296-	30-	71-	2568
S4 (119)	17/07/31	10:37:30	10:49:04	00:02:00	-----	273-	32-	51-	16303
B7 (19)	17/07/31	10:43:09	10:56:05	00:07:00	-----	263-	46-	57-	99113
D3 (31)	17/07/31	10:46:32	10:54:57	00:01:07	-----	269-	12-	190-	92108
A3 (07)	17/07/31	10:51:20	11:03:23	00:08:25	-----	298-	31-	75-	2660
B8 (20)	17/07/31	10:59:54	11:12:41	00:09:18	-----	269-	41-	58-	99124
S1 (116)	17/07/31	11:03:53	11:15:04	00:02:23	-----	282-	27-	52-	16304
A4 (08)	17/07/31	11:06:38	11:18:48	00:03:43	-----	300-	32-	80-	2660
D2 (30)	17/07/31	11:06:43	11:14:49	00:03:05	-----	267-	11-	193-	92196
D4 (32)	17/07/31	11:07:18	11:12:32	00:02:01	-----	253-	7-	210-	92195
B4 (16)	17/07/31	11:13:17	11:26:00	00:12:43	00:00:45	271-	39-	58-	99113
A8 (12)	17/07/31	11:17:56	11:30:09	00:04:09	-----	301-	34-	83-	2641
B3 (15)	17/07/31	11:27:24	11:40:00	00:09:50	-----	275-	36-	59-	99113
S2 (113)	17/07/31	11:29:53	11:40:48	00:00:48	-----	290-	24-	55-	16392
A5 (09)	17/07/31	11:30:58	11:43:16	00:02:28	-----	302-	36-	86-	2660
D6 (34)	17/07/31	11:31:21	11:38:09	00:05:07	-----	261-	9-	201-	92199
A7 (11)	17/07/31	11:43:01	11:55:27	00:12:26	00:04:51	303-	39-	90-	2660
B2 (14)	17/07/31	11:43:31	11:55:59	00:00:31	-----	280-	34-	61-	99113
D7 (35)	17/07/31	11:51:15	11:54:30	00:01:02	-----	249-	6-	216-	92196
A6 (10)	17/07/31	11:56:34	12:09:07	00:12:32	00:02:04	303-	42-	93-	20162
S3 (112)	17/07/31	11:56:35	12:07:20	00:01:04	-----	297-	22-	58-	16387
B1 (13)	17/07/31	11:59:49	12:12:12	00:04:52	-----	284-	32-	62-	99026
A2 (06)	17/07/31	12:12:37	12:25:21	00:12:43	00:00:24	303-	48-	99-	2660
B6 (18)	17/07/31	12:15:15	12:27:32	00:02:11	-----	290-	31-	66-	99114
A1 (05)	17/07/31	12:20:38	12:33:26	00:05:53	-----	303-	51-	102-	2569
S4 (119)	17/07/31	12:22:50	12:33:34	00:00:07	-----	302-	22-	63-	16304
B7 (19)	17/07/31	12:30:01	12:42:17	00:08:43	-----	293-	30-	69-	99114
A3 (07)	17/07/31	12:36:48	12:49:42	00:07:24	-----	303-	60-	108-	2661

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
C1 (21)	17/07/31	12:39:09	12:44:45	00:04:05	-----	157-	8-	102-	98428
B8 (20)	17/07/31	12:46:44	12:59:01	00:12:16	00:01:59	295-	31-	72-	99125
S1 (116)	17/07/31	12:49:01	12:59:54	00:00:53	-----	306-	24-	70-	16305
A4 (08)	17/07/31	12:52:00	13:04:57	00:05:03	-----	302-	73-	115-	2661
B4 (16)	17/07/31	13:00:06	13:12:25	00:07:27	-----	297-	31-	73-	99114
C7 (27)	17/07/31	13:01:26	13:10:00	00:02:02	-----	172-	12-	90-	98467
T2 (110)	17/07/31	13:02:00	13:10:12	00:00:13	-----	172-	13-	88-	16269
A8 (12)	17/07/31	13:03:13	13:16:13	00:06:00	-----	301-	82-	119-	2642
B3 (15)	17/07/31	13:14:09	13:26:31	00:10:17	-----	298-	32-	77-	99114
S2 (113)	17/07/31	13:14:46	13:25:54	00:00:03	-----	308-	26-	78-	16393
A5 (09)	17/07/31	13:16:13	13:29:12	00:03:17	-----	300-	88-	123-	2661
A7 (11)	17/07/31	13:28:15	13:41:10	00:11:58	-----	299-	75-	129-	2661
B2 (14)	17/07/31	13:30:09	13:42:38	00:01:27	-----	300-	34-	81-	99114
T4 (114)	17/07/31	13:34:16	13:44:48	00:02:10	-----	189-	23-	73-	16272
S3 (112)	17/07/31	13:41:09	13:52:38	00:07:49	-----	310-	30-	86-	16388
A6 (10)	17/07/31	13:41:48	13:54:39	00:02:01	-----	297-	65-	133-	20163
B1 (13)	17/07/31	13:46:21	13:58:57	00:04:18	-----	301-	36-	85-	99027
A2 (06)	17/07/31	13:57:53	14:10:33	00:11:35	-----	295-	51-	140-	2661
B6 (18)	17/07/31	14:01:33	14:14:24	00:03:51	-----	303-	42-	93-	99115
A1 (05)	17/07/31	14:05:56	14:18:28	00:04:03	-----	294-	45-	144-	2570
S4 (119)	17/07/31	14:07:07	14:18:56	00:00:27	-----	310-	37-	95-	16305
C3 (23)	17/07/31	14:07:58	14:20:25	00:01:29	-----	209-	38-	68-	98471
T1 (118)	17/07/31	14:08:47	14:20:35	00:00:10	-----	210-	42-	64-	16186
B7 (19)	17/07/31	14:16:12	14:29:09	00:08:33	-----	303-	46-	98-	99115
C1 (21)	17/07/31	14:20:16	14:33:04	00:03:54	-----	216-	46-	66-	98429
A3 (07)	17/07/31	14:22:11	14:34:20	00:01:16	-----	290-	36-	151-	2662
B8 (20)	17/07/31	14:32:47	14:45:52	00:11:31	-----	303-	53-	103-	99126
S1 (116)	17/07/31	14:33:02	14:45:11	00:00:04	-----	308-	49-	106-	16306
A4 (08)	17/07/31	14:37:35	14:49:04	00:03:52	-----	286-	27-	161-	2662
T2 (110)	17/07/31	14:43:03	14:55:23	00:06:18	-----	227-	72-	58-	16270
C7 (27)	17/07/31	14:44:03	14:57:10	00:01:47	-----	226-	62-	63-	98468
B4 (16)	17/07/31	14:46:05	14:59:14	00:02:04	-----	303-	56-	106-	99115
A8 (12)	17/07/31	14:48:58	15:00:00	00:00:45	-----	283-	23-	166-	2643
S2 (113)	17/07/31	14:58:36	15:10:57	00:10:57	-----	306-	67-	116-	16394
B3 (15)	17/07/31	15:00:02	15:13:16	00:02:19	-----	302-	64-	110-	99115
A5 (09)	17/07/31	15:02:09	15:12:34	00:00:04	-----	280-	19-	172-	2662
G2 (04)	17/07/31	15:14:19	15:17:48	00:03:28	00:01:45	82-	6-	115-	1273
A7 (11)	17/07/31	15:14:30	15:24:01	00:06:12	-----	275-	15-	180-	2662
B2 (14)	17/07/31	15:15:57	15:29:14	00:05:13	-----	301-	76-	116-	99115
T4 (114)	17/07/31	15:16:45	15:29:07	00:00:06	-----	242-	72-	54-	16273
S3 (112)	17/07/31	15:24:54	15:37:18	00:08:10	-----	303-	86-	127-	16389
A6 (10)	17/07/31	15:28:24	15:36:58	00:00:01	-----	270-	13-	188-	20164
B1 (13)	17/07/31	15:32:05	15:45:24	00:08:25	-----	300-	89-	122-	99028
T3 (105)	17/07/31	15:36:11	15:48:23	00:02:58	-----	209-	41-	64-	15435
A2 (06)	17/07/31	15:45:17	15:51:48	00:03:24	-----	260-	9-	201-	2662
B6 (18)	17/07/31	15:47:15	16:00:27	00:08:39	-----	298-	67-	132-	99116
S4 (119)	17/07/31	15:50:53	16:03:06	00:02:38	-----	300-	59-	138-	16306
T1 (118)	17/07/31	15:52:24	16:04:29	00:01:22	-----	257-	46-	52-	16187
C3 (23)	17/07/31	15:53:07	16:06:17	00:01:48	-----	253-	59-	58-	98472
A1 (05)	17/07/31	15:53:53	15:59:03	00:07:01	-----	253-	7-	211-	2571

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
B7 (19)	17/07/31	16:01:54	16:14:56	00:13:02	00:02:51	296-	55-	138-	99116
C1 (21)	17/07/31	16:05:46	16:18:49	00:03:53	-----	259-	51-	57-	98430
S1 (116)	17/07/31	16:16:58	16:28:39	00:09:49	-----	294-	37-	152-	16307
B8 (20)	17/07/31	16:18:33	16:31:18	00:02:39	-----	293-	44-	144-	99127
T2 (110)	17/07/31	16:27:29	16:39:08	00:07:49	-----	270-	33-	51-	16271
C7 (27)	17/07/31	16:30:00	16:42:52	00:03:44	-----	266-	43-	58-	98469
B4 (16)	17/07/31	16:31:54	16:44:31	00:01:38	-----	292-	40-	148-	99116
S2 (113)	17/07/31	16:42:50	16:53:39	00:09:08	-----	287-	25-	165-	16395
B3 (15)	17/07/31	16:45:57	16:58:13	00:04:33	-----	289-	33-	153-	99116
G2 (04)	17/07/31	16:49:01	17:01:18	00:03:05	-----	28-	71-	199-	1274
T4 (114)	17/07/31	17:01:44	17:12:56	00:11:11	00:00:25	282-	27-	52-	16274
B2 (14)	17/07/31	17:02:03	17:13:42	00:00:46	-----	286-	26-	161-	99116
S3 (112)	17/07/31	17:09:41	17:18:57	00:05:14	-----	278-	16-	180-	16390
B1 (13)	17/07/31	17:18:25	17:29:25	00:10:27	-----	282-	21-	169-	99029
T3 (105)	17/07/31	17:20:36	17:33:09	00:03:43	-----	256-	48-	52-	15436
B6 (18)	17/07/31	17:34:14	17:43:21	00:09:07	00:01:05	272-	14-	185-	99117
S4 (119)	17/07/31	17:36:38	17:43:23	00:00:01	-----	265-	9-	200-	16307
T1 (118)	17/07/31	17:37:43	17:48:32	00:05:09	-----	293-	23-	56-	16188
C3 (23)	17/07/31	17:39:55	17:52:16	00:03:43	-----	286-	31-	64-	98473
B7 (19)	17/07/31	17:49:26	17:57:05	00:04:49	-----	265-	10-	196-	99117
C1 (21)	17/07/31	17:52:37	18:04:54	00:07:49	-----	290-	31-	66-	98431
B8 (20)	17/07/31	18:07:06	18:12:11	00:05:05	00:02:11	253-	7-	211-	99128
T2 (110)	17/07/31	18:12:50	18:23:33	00:10:42	00:00:38	301-	22-	62-	16272
C7 (27)	17/07/31	18:16:52	18:29:08	00:05:35	-----	294-	30-	70-	98470
B4 (16)	17/07/31	18:21:23	18:24:22	00:04:04	-----	248-	6-	218-	99117
G2 (04)	17/07/31	18:28:32	18:37:39	00:09:06	00:04:09	357-	16-	259-	1275
K6 (106)	17/07/31	18:39:09	18:45:06	00:05:56	00:01:30	157-	8-	101-	16199
T4 (114)	17/07/31	18:46:54	18:57:44	00:10:50	00:01:47	306-	23-	70-	16275
K3 (103)	17/07/31	19:04:06	19:13:00	00:08:54	00:06:21	177-	14-	83-	15301
T3 (105)	17/07/31	19:06:46	19:18:04	00:05:04	-----	292-	24-	57-	15437
T1 (118)	17/07/31	19:22:29	19:33:45	00:11:16	00:04:24	309-	28-	81-	16189
C3 (23)	17/07/31	19:26:22	19:39:05	00:05:20	-----	302-	38-	88-	98474
K9 (109)	17/07/31	19:30:02	19:40:47	00:01:42	-----	192-	25-	72-	15301
C1 (21)	17/07/31	19:38:56	19:51:46	00:10:58	-----	303-	42-	93-	98432
K4 (104)	17/07/31	19:51:00	20:02:01	00:10:14	-----	197-	28-	69-	15473
K7 (107)	17/07/31	19:54:29	20:06:05	00:04:04	-----	206-	36-	65-	15301
T2 (110)	17/07/31	19:57:11	20:08:55	00:02:49	-----	310-	35-	93-	16273
C7 (27)	17/07/31	20:03:00	20:16:00	00:07:05	-----	303-	49-	100-	98471
K6 (106)	17/07/31	20:19:01	20:31:09	00:12:08	00:03:00	219-	54-	61-	16200
T4 (114)	17/07/31	20:30:54	20:43:02	00:11:52	-----	309-	48-	105-	16276
K3 (103)	17/07/31	20:45:33	20:57:55	00:12:21	00:02:31	231-	81-	57-	15302
T3 (105)	17/07/31	20:52:24	21:04:08	00:06:13	-----	308-	29-	82-	15438
T1 (118)	17/07/31	21:06:16	21:18:39	00:12:23	00:02:07	305-	77-	121-	16190
C3 (23)	17/07/31	21:12:05	21:25:23	00:06:43	-----	299-	81-	126-	98475
K9 (109)	17/07/31	21:12:41	21:25:02	00:00:02	-----	244-	68-	54-	15302
C1 (21)	17/07/31	21:24:38	21:37:49	00:12:47	-----	298-	67-	132-	98433
K4 (104)	17/07/31	21:34:01	21:46:14	00:08:24	-----	247-	61-	53-	15474
K7 (107)	17/07/31	21:37:52	21:50:02	00:03:48	-----	254-	50-	52-	15302
T2 (110)	17/07/31	21:40:56	21:53:13	00:03:10	-----	301-	65-	136-	16274
C7 (27)	17/07/31	21:48:43	22:01:39	00:08:25	-----	295-	50-	141-	98472

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K6 (106)	17/07/31	22:03:04	22:14:56	00:11:52	00:01:24	263-	39-	51-	16201
T4 (114)	17/07/31	22:14:50	22:26:32	00:11:35	-----	294-	38-	151-	16277
K3 (103)	17/07/31	22:30:08	22:41:40	00:11:31	00:03:35	273-	31-	51-	15303
T3 (105)	17/07/31	22:37:04	22:49:54	00:08:14	-----	305-	78-	121-	15439
T1 (118)	17/07/31	22:50:41	23:01:00	00:10:18	00:00:46	284-	21-	171-	16191
K9 (109)	17/07/31	22:57:44	23:08:51	00:07:52	-----	283-	26-	52-	15303
C3 (23)	17/07/31	22:58:39	23:08:58	00:00:06	-----	278-	18-	175-	98476
C1 (21)	17/07/31	23:11:35	23:20:44	00:09:09	00:02:37	272-	14-	184-	98434
K4 (104)	17/07/31	23:19:15	23:30:11	00:09:27	-----	286-	25-	53-	15475
K7 (107)	17/07/31	23:23:09	23:34:01	00:03:49	-----	290-	24-	55-	15303
T2 (110)	17/07/31	23:26:22	23:33:55	00:00:06	-----	269-	11-	194-	16275
C7 (27)	17/07/31	23:36:37	23:43:19	00:06:41	00:02:42	260-	9-	201-	98473
D3 (31)	17/07/31	23:39:47	23:44:14	00:00:54	-----	146-	7-	106-	92116
K6 (106)	17/07/31	23:48:26	23:59:09	00:10:43	00:04:12	297-	22-	58-	16202
D4 (32)	17/07/31	23:57:22	00:05:33	00:06:23	-----	169-	11-	93-	92203
D2 (30)	17/07/31	23:59:29	00:04:37	00:00:05	-----	155-	7-	104-	92204
K3 (103)	17/08/01	00:15:28	00:26:10	00:10:42	00:10:50	302-	22-	63-	15304
T3 (105)	17/08/01	00:22:20	00:33:03	00:06:52	-----	285-	21-	170-	15440
D6 (34)	17/08/01	00:22:30	00:29:30	00:03:03	-----	162-	9-	99-	92207
D7 (35)	17/08/01	00:39:41	00:48:35	00:08:53	00:10:11	174-	13-	88-	92204
K9 (109)	17/08/01	00:42:51	00:53:44	00:05:09	-----	306-	24-	71-	15304
D8 (36)	17/08/01	00:59:14	01:10:05	00:10:51	00:05:30	190-	20-	77-	92160
K4 (104)	17/08/01	01:04:22	01:15:16	00:05:10	-----	307-	24-	73-	15476
K7 (107)	17/08/01	01:08:00	01:19:08	00:03:52	-----	309-	26-	78-	15304
D3 (31)	17/08/01	01:20:20	01:33:03	00:12:42	00:01:11	214-	43-	67-	92117
K6 (106)	17/08/01	01:33:00	01:44:28	00:11:24	-----	310-	30-	86-	16203
D4 (32)	17/08/01	01:39:49	01:52:55	00:08:27	-----	224-	59-	63-	92204
D2 (30)	17/08/01	01:40:22	01:53:07	00:00:12	-----	216-	45-	66-	92205
K3 (103)	17/08/01	01:59:43	02:11:32	00:11:48	00:06:36	310-	37-	96-	15305
D6 (34)	17/08/01	02:04:20	02:17:16	00:05:44	-----	220-	52-	64-	92208
D7 (35)	17/08/01	02:22:28	02:35:37	00:13:08	00:05:11	227-	65-	62-	92205
G2 (04)	17/08/01	02:25:44	02:37:31	00:01:54	-----	125-	33-	351-	1280
K9 (109)	17/08/01	02:26:49	02:39:00	00:01:27	-----	308-	51-	107-	15305
D8 (36)	17/08/01	02:43:10	02:56:27	00:13:16	00:04:10	238-	90-	60-	92161
K4 (104)	17/08/01	02:48:21	03:00:34	00:04:07	-----	308-	56-	111-	15477
K7 (107)	17/08/01	02:51:49	03:04:10	00:03:35	-----	306-	69-	117-	15305
D3 (31)	17/08/01	03:05:44	03:18:49	00:13:05	00:01:34	257-	54-	57-	92118
K6 (106)	17/08/01	03:16:44	03:29:07	00:10:17	-----	303-	85-	128-	16204
D4 (32)	17/08/01	03:25:45	03:38:39	00:09:32	-----	264-	45-	57-	92205
D2 (30)	17/08/01	03:25:50	03:38:53	00:00:13	-----	258-	52-	57-	92206
K3 (103)	17/08/01	03:43:30	03:55:40	00:12:10	00:04:36	299-	58-	139-	15306
D6 (34)	17/08/01	03:50:02	04:03:00	00:07:19	-----	261-	48-	57-	92209
G2 (04)	17/08/01	04:04:04	04:15:57	00:11:52	00:01:04	183-	32-	320-	1281
D7 (35)	17/08/01	04:08:28	04:21:18	00:05:21	-----	267-	42-	58-	92206
K9 (109)	17/08/01	04:10:47	04:22:23	00:01:04	-----	293-	35-	154-	15306
D8 (36)	17/08/01	04:29:36	04:42:11	00:12:35	00:07:12	275-	36-	59-	92162
K4 (104)	17/08/01	04:32:29	04:43:49	00:01:37	-----	291-	31-	158-	15478
A2 (06)	17/08/01	04:33:28	04:39:23	00:04:02	-----	159-	8-	105-	2670
K7 (107)	17/08/01	04:36:05	04:46:47	00:07:23	-----	287-	24-	166-	15306
A1 (05)	17/08/01	04:40:46	04:47:53	00:01:05	-----	164-	10-	98-	2579

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
D3 (31)	17/08/01	04:52:35	05:04:51	00:12:15	00:04:42	289-	31-	65-	92119
A3 (07)	17/08/01	04:55:52	05:04:47	00:00:04	-----	175-	13-	88-	2671
K6 (106)	17/08/01	05:01:32	05:10:45	00:05:58	-----	278-	16-	182-	16205
A4 (08)	17/08/01	05:10:06	05:20:29	00:09:43	-----	187-	19-	79-	2671
D4 (32)	17/08/01	05:12:40	05:24:54	00:04:25	-----	293-	30-	69-	92206
D2 (30)	17/08/01	05:12:42	05:24:56	00:00:01	-----	289-	30-	65-	92207
A8 (12)	17/08/01	05:21:00	05:31:55	00:06:59	-----	193-	22-	76-	2652
K3 (103)	17/08/01	05:29:18	05:35:52	00:03:56	-----	264-	9-	202-	15307
A5 (09)	17/08/01	05:33:40	05:45:04	00:09:11	-----	196-	26-	73-	2671
D6 (34)	17/08/01	05:36:54	05:49:08	00:04:04	-----	292-	30-	67-	92210
A7 (11)	17/08/01	05:45:20	05:57:14	00:08:06	-----	203-	32-	70-	2671
D7 (35)	17/08/01	05:55:21	06:07:35	00:10:20	-----	294-	30-	70-	92207
A6 (10)	17/08/01	05:58:39	06:10:52	00:03:17	-----	209-	37-	68-	20173
A2 (06)	17/08/01	06:14:23	06:27:01	00:12:38	00:03:30	218-	48-	65-	2671
D8 (36)	17/08/01	06:16:21	06:28:43	00:01:41	-----	299-	32-	77-	92163
A1 (05)	17/08/01	06:22:18	06:35:04	00:06:20	-----	221-	53-	64-	2580
A3 (07)	17/08/01	06:38:20	06:51:16	00:12:56	00:03:16	228-	67-	62-	2672
D3 (31)	17/08/01	06:38:57	06:51:41	00:00:25	-----	303-	40-	91-	92120
S1 (116)	17/08/01	06:40:59	06:49:12	00:02:02	-----	171-	12-	88-	16316
B7 (19)	17/08/01	06:41:29	06:47:27	00:01:04	-----	158-	8-	105-	99125
A4 (08)	17/08/01	06:53:24	07:06:28	00:13:03	00:05:57	236-	85-	60-	2672
B8 (20)	17/08/01	06:56:45	07:04:55	00:01:03	-----	169-	11-	92-	99136
D4 (32)	17/08/01	06:58:52	07:11:49	00:06:53	-----	303-	47-	99-	92207
D2 (30)	17/08/01	06:59:02	07:11:47	00:00:01	-----	303-	41-	92-	92208
A8 (12)	17/08/01	07:04:40	07:17:43	00:05:55	-----	240-	85-	59-	2653
S2 (113)	17/08/01	07:05:23	07:15:30	00:02:01	-----	187-	20-	76-	16404
B4 (16)	17/08/01	07:09:37	07:18:33	00:03:02	-----	174-	13-	88-	99125
A5 (09)	17/08/01	07:17:41	07:30:41	00:12:08	-----	244-	75-	58-	2672
B3 (15)	17/08/01	07:22:55	07:32:53	00:02:11	-----	182-	16-	82-	99125
D6 (34)	17/08/01	07:23:09	07:36:01	00:03:08	-----	303-	44-	95-	92211
A7 (11)	17/08/01	07:29:44	07:42:42	00:06:41	-----	249-	65-	58-	2672
S3 (112)	17/08/01	07:30:55	07:42:13	00:00:02	-----	200-	30-	68-	16399
B2 (14)	17/08/01	07:38:09	07:49:10	00:06:57	-----	191-	21-	76-	99125
D7 (35)	17/08/01	07:41:27	07:54:27	00:05:16	-----	303-	50-	101-	92208
A6 (10)	17/08/01	07:43:21	07:56:15	00:01:47	-----	253-	58-	57-	20174
B1 (13)	17/08/01	07:53:51	08:05:31	00:09:16	-----	199-	27-	73-	99038
S4 (119)	17/08/01	07:56:23	08:08:21	00:02:49	-----	213-	46-	63-	16316
A2 (06)	17/08/01	07:59:30	08:12:18	00:03:56	-----	260-	49-	57-	2672
D8 (36)	17/08/01	08:02:15	08:15:28	00:03:10	-----	302-	64-	110-	92164
A1 (05)	17/08/01	08:07:35	08:20:18	00:04:50	-----	262-	46-	57-	2581
B6 (18)	17/08/01	08:08:24	08:20:55	00:00:36	-----	210-	39-	67-	99126
S1 (116)	17/08/01	08:22:02	08:34:23	00:12:20	00:01:07	227-	72-	58-	16317
B7 (19)	17/08/01	08:22:47	08:35:37	00:01:13	-----	217-	47-	65-	99126
A3 (07)	17/08/01	08:23:55	08:36:29	00:00:52	-----	268-	41-	57-	2673
D3 (31)	17/08/01	08:24:39	08:37:50	00:01:21	-----	298-	72-	130-	92121
B8 (20)	17/08/01	08:39:10	08:52:14	00:13:04	00:01:19	224-	59-	63-	99137
A4 (08)	17/08/01	08:39:19	08:51:42	00:00:03	-----	274-	36-	58-	2673
D4 (32)	17/08/01	08:44:38	08:57:35	00:05:52	-----	295-	53-	139-	92208
D2 (30)	17/08/01	08:44:43	08:57:53	00:00:18	-----	298-	70-	131-	92209
S2 (113)	17/08/01	08:47:35	08:59:59	00:02:05	-----	238-	80-	55-	16405

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A8 (12)	17/08/01	08:50:42	09:02:59	00:03:00	-----	277-	34-	59-	2654
B4 (16)	17/08/01	08:52:26	09:05:34	00:02:34	-----	227-	65-	62-	99126
A5 (09)	17/08/01	09:03:50	09:16:00	00:10:26	-----	280-	33-	60-	2673
B3 (15)	17/08/01	09:06:19	09:19:32	00:03:31	-----	232-	77-	61-	99126
D6 (34)	17/08/01	09:08:51	09:21:56	00:02:23	-----	297-	61-	135-	92212
S3 (112)	17/08/01	09:14:00	09:26:17	00:04:21	-----	249-	57-	53-	16400
A7 (11)	17/08/01	09:16:01	09:28:06	00:01:49	-----	284-	31-	62-	2673
B2 (14)	17/08/01	09:22:12	09:35:28	00:07:22	-----	239-	87-	60-	99126
D7 (35)	17/08/01	09:27:11	09:40:02	00:04:34	-----	294-	49-	142-	92209
A6 (10)	17/08/01	09:29:41	09:41:43	00:01:40	-----	287-	31-	63-	20175
B1 (13)	17/08/01	09:38:21	09:51:36	00:09:53	-----	244-	75-	59-	99039
S4 (119)	17/08/01	09:40:10	09:52:12	00:00:35	-----	259-	43-	51-	16317
A2 (06)	17/08/01	09:45:54	09:57:54	00:05:42	-----	291-	30-	66-	2673
D8 (36)	17/08/01	09:48:10	10:00:24	00:02:29	-----	289-	33-	154-	92165
B6 (18)	17/08/01	09:53:37	10:06:45	00:06:21	-----	254-	57-	58-	99127
A1 (05)	17/08/01	09:54:00	10:06:00	00:00:04	-----	292-	30-	67-	2582
S1 (116)	17/08/01	10:06:28	10:18:08	00:11:39	00:00:29	270-	33-	51-	16318
B7 (19)	17/08/01	10:08:20	10:21:22	00:03:14	-----	259-	51-	57-	99127
A3 (07)	17/08/01	10:10:19	10:22:18	00:00:56	-----	295-	30-	70-	2674
D3 (31)	17/08/01	10:11:27	10:21:01	00:01:01	-----	274-	15-	182-	92122
B8 (20)	17/08/01	10:25:02	10:37:56	00:12:53	00:04:01	265-	45-	58-	99138
A4 (08)	17/08/01	10:25:38	10:37:41	00:00:01	-----	298-	31-	75-	2674
D2 (30)	17/08/01	10:31:36	10:40:55	00:03:14	-----	273-	14-	184-	92210
D4 (32)	17/08/01	10:32:21	10:39:34	00:01:02	-----	263-	10-	198-	92209
S2 (113)	17/08/01	10:32:27	10:43:46	00:04:12	-----	279-	28-	52-	16406
A8 (12)	17/08/01	10:36:58	10:49:04	00:05:18	-----	299-	32-	77-	2655
B4 (16)	17/08/01	10:38:26	10:51:16	00:02:12	-----	267-	42-	58-	99127
A5 (09)	17/08/01	10:50:01	11:02:10	00:10:54	-----	301-	33-	80-	2674
B3 (15)	17/08/01	10:52:32	11:05:15	00:03:04	-----	271-	39-	58-	99127
D6 (34)	17/08/01	10:56:06	11:04:27	00:00:04	-----	268-	12-	191-	92213
S3 (112)	17/08/01	10:59:11	11:10:11	00:05:44	-----	287-	25-	54-	16401
A7 (11)	17/08/01	11:02:05	11:14:21	00:04:10	-----	302-	35-	84-	2674
B2 (14)	17/08/01	11:08:39	11:21:13	00:06:51	-----	276-	36-	59-	99127
D7 (35)	17/08/01	11:15:15	11:21:30	00:00:16	-----	258-	8-	205-	92210
A6 (10)	17/08/01	11:15:40	11:28:02	00:06:32	-----	302-	37-	88-	20176
B1 (13)	17/08/01	11:24:57	11:37:25	00:09:23	-----	280-	34-	61-	99040
S4 (119)	17/08/01	11:25:31	11:36:18	00:01:06	-----	294-	23-	57-	16318
A2 (06)	17/08/01	11:31:44	11:44:18	00:07:59	-----	303-	41-	93-	2674
A1 (05)	17/08/01	11:39:45	11:52:23	00:08:05	-----	303-	44-	96-	2583
B6 (18)	17/08/01	11:40:25	11:52:44	00:00:21	-----	287-	31-	64-	99128
S1 (116)	17/08/01	11:51:50	12:02:33	00:09:48	-----	301-	22-	62-	16319
B7 (19)	17/08/01	11:55:11	12:07:27	00:04:54	-----	290-	31-	66-	99128
A3 (07)	17/08/01	11:55:55	12:08:41	00:01:13	-----	303-	50-	101-	2675
A4 (08)	17/08/01	12:11:06	12:24:00	00:12:53	00:02:24	303-	60-	108-	2675
B8 (20)	17/08/01	12:11:54	12:24:10	00:00:10	-----	293-	30-	69-	99139
S2 (113)	17/08/01	12:17:40	12:28:29	00:04:19	-----	305-	23-	68-	16407
A8 (12)	17/08/01	12:22:21	12:35:18	00:06:48	-----	302-	67-	112-	2656
B4 (16)	17/08/01	12:25:17	12:37:34	00:02:15	-----	295-	31-	71-	99128
C7 (27)	17/08/01	12:27:39	12:34:44	00:02:04	-----	163-	9-	98-	98481
A5 (09)	17/08/01	12:35:20	12:48:19	00:12:58	00:00:36	302-	75-	116-	2675

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
T4 (114)	17/08/01	12:38:57	12:47:00	00:01:01	-----	170-	12-	89-	16286
B3 (15)	17/08/01	12:39:21	12:51:39	00:04:39	-----	297-	31-	74-	99128
S3 (112)	17/08/01	12:44:10	12:55:12	00:03:32	-----	308-	25-	75-	16402
A7 (11)	17/08/01	12:47:21	13:00:21	00:05:08	-----	301-	87-	121-	2675
B2 (14)	17/08/01	12:55:23	13:07:46	00:07:25	-----	299-	32-	78-	99128
A6 (10)	17/08/01	13:00:54	13:13:53	00:06:06	-----	300-	82-	126-	20177
S4 (119)	17/08/01	13:10:12	13:21:33	00:07:40	-----	309-	28-	83-	16319
B1 (13)	17/08/01	13:11:35	13:24:05	00:02:32	-----	300-	34-	81-	99041
T1 (118)	17/08/01	13:12:43	13:23:21	00:00:04	-----	191-	24-	72-	16200
A2 (06)	17/08/01	13:16:57	13:29:51	00:06:29	-----	297-	66-	133-	2675
A1 (05)	17/08/01	13:24:59	13:37:48	00:07:56	-----	296-	59-	136-	2584
B6 (18)	17/08/01	13:26:50	13:39:33	00:01:45	-----	302-	39-	89-	99129
C3 (23)	17/08/01	13:33:39	13:45:44	00:06:10	-----	202-	31-	70-	98485
S1 (116)	17/08/01	13:36:11	13:47:55	00:02:10	-----	310-	35-	93-	16320
A3 (07)	17/08/01	13:41:12	13:53:46	00:05:51	-----	294-	47-	143-	2676
B7 (19)	17/08/01	13:41:28	13:54:19	00:00:32	-----	303-	42-	93-	99129
C1 (21)	17/08/01	13:45:47	13:58:18	00:03:58	-----	210-	39-	67-	98443
T2 (110)	17/08/01	13:46:33	13:58:22	00:00:04	-----	210-	41-	64-	16284
A4 (08)	17/08/01	13:56:30	14:08:36	00:10:14	-----	290-	35-	151-	2676
B8 (20)	17/08/01	13:58:03	14:11:02	00:02:25	-----	303-	47-	99-	99140
S2 (113)	17/08/01	14:01:46	14:13:49	00:02:47	-----	309-	44-	102-	16408
A8 (12)	17/08/01	14:07:51	14:19:39	00:05:50	-----	288-	30-	157-	2657
C7 (27)	17/08/01	14:09:31	14:22:27	00:02:48	-----	220-	52-	64-	98482
B4 (16)	17/08/01	14:11:22	14:24:25	00:01:57	-----	303-	50-	101-	99129
T4 (114)	17/08/01	14:19:55	14:32:14	00:07:49	-----	226-	70-	58-	16287
A5 (09)	17/08/01	14:20:58	14:32:20	00:00:05	-----	285-	26-	162-	2676
B3 (15)	17/08/01	14:25:20	14:38:29	00:06:08	-----	303-	57-	106-	99129
S3 (112)	17/08/01	14:28:03	14:40:21	00:01:52	-----	307-	60-	113-	16403
A7 (11)	17/08/01	14:33:12	14:43:54	00:03:32	-----	281-	21-	169-	2676
B2 (14)	17/08/01	14:41:15	14:54:29	00:10:35	-----	302-	67-	112-	99129
A6 (10)	17/08/01	14:46:59	14:57:00	00:02:30	-----	278-	17-	175-	20178
T3 (105)	17/08/01	14:51:15	15:02:42	00:05:42	-----	197-	28-	69-	15449
S4 (119)	17/08/01	14:53:58	15:06:22	00:03:39	-----	305-	83-	123-	16320
T1 (118)	17/08/01	14:55:17	15:07:38	00:01:15	-----	243-	70-	54-	16201
B1 (13)	17/08/01	14:57:23	15:10:41	00:03:02	-----	301-	78-	117-	99042
A2 (06)	17/08/01	15:03:31	15:12:14	00:01:32	-----	271-	13-	186-	2676
A1 (05)	17/08/01	15:11:50	15:19:46	00:07:31	-----	267-	11-	193-	2585
B6 (18)	17/08/01	15:12:32	15:25:49	00:06:02	-----	299-	78-	127-	99130
C3 (23)	17/08/01	15:18:28	15:31:42	00:05:53	-----	249-	67-	58-	98486
S1 (116)	17/08/01	15:19:56	15:32:13	00:00:31	-----	301-	66-	135-	16321
B7 (19)	17/08/01	15:27:10	15:40:20	00:08:07	-----	298-	66-	133-	99130
A3 (07)	17/08/01	15:29:00	15:34:35	00:05:04	-----	255-	8-	208-	2677
T2 (110)	17/08/01	15:30:10	15:42:15	00:07:40	-----	257-	46-	52-	16285
C1 (21)	17/08/01	15:31:00	15:44:08	00:01:52	-----	254-	58-	58-	98444
B8 (20)	17/08/01	15:43:47	15:56:45	00:12:36	-----	295-	53-	139-	99141
S2 (113)	17/08/01	15:45:37	15:57:32	00:00:46	-----	296-	44-	147-	16409
C7 (27)	17/08/01	15:55:13	16:08:11	00:10:39	-----	262-	48-	57-	98483
B4 (16)	17/08/01	15:57:07	16:10:00	00:01:48	-----	294-	48-	142-	99130
T4 (114)	17/08/01	16:04:19	16:16:00	00:06:00	-----	270-	34-	51-	16288
B3 (15)	17/08/01	16:11:09	16:23:45	00:07:45	-----	292-	40-	148-	99130

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
S3 (112)	17/08/01	16:12:10	16:23:19	00:00:02	-----	290-	29-	160-	16404
G2 (04)	17/08/01	16:20:56	16:32:24	00:09:05	-----	39-	34-	177-	1288
B2 (14)	17/08/01	16:27:12	16:39:19	00:06:54	-----	289-	31-	155-	99130
T3 (105)	17/08/01	16:34:58	16:47:42	00:08:23	-----	246-	63-	54-	15450
S4 (119)	17/08/01	16:38:31	16:48:27	00:00:44	-----	282-	19-	174-	16321
T1 (118)	17/08/01	16:40:18	16:51:27	00:03:00	-----	283-	26-	52-	16202
B1 (13)	17/08/01	16:43:30	16:55:06	00:03:38	-----	285-	25-	162-	99043
B6 (18)	17/08/01	16:59:09	17:09:17	00:10:08	00:04:03	277-	17-	177-	99131
C3 (23)	17/08/01	17:05:11	17:17:36	00:08:18	-----	283-	32-	62-	98487
S1 (116)	17/08/01	17:05:22	17:12:56	00:04:03	-----	269-	11-	195-	16322
B7 (19)	17/08/01	17:14:11	17:23:11	00:08:59	00:01:15	271-	13-	186-	99131
T2 (110)	17/08/01	17:15:29	17:26:19	00:03:07	-----	293-	23-	56-	16286
C1 (21)	17/08/01	17:17:48	17:30:07	00:03:47	-----	287-	31-	64-	98445
B8 (20)	17/08/01	17:31:28	17:38:40	00:07:12	00:01:21	263-	10-	198-	99142
C7 (27)	17/08/01	17:42:05	17:54:20	00:12:15	00:03:24	292-	30-	68-	98484
B4 (16)	17/08/01	17:45:14	17:51:22	00:02:05	-----	258-	8-	205-	99131
T4 (114)	17/08/01	17:49:40	18:00:23	00:09:00	-----	300-	22-	61-	16289
G2 (04)	17/08/01	17:59:28	18:10:34	00:10:10	-----	8-	29-	238-	1289
B3 (15)	17/08/01	18:00:44	18:03:30	00:07:03	-----	248-	6-	218-	99131
T3 (105)	17/08/01	18:20:56	18:32:27	00:11:31	00:17:26	285-	26-	54-	15451
T1 (118)	17/08/01	18:25:26	18:36:19	00:03:51	-----	306-	24-	70-	16203
K9 (109)	17/08/01	18:34:36	18:43:04	00:06:45	-----	174-	13-	85-	15315
C3 (23)	17/08/01	18:51:45	19:04:21	00:12:36	00:08:40	301-	36-	85-	98488
K4 (104)	17/08/01	18:56:40	19:05:53	00:01:31	-----	180-	16-	81-	15487
K7 (107)	17/08/01	18:58:33	19:08:45	00:02:52	-----	186-	20-	75-	15315
T2 (110)	17/08/01	19:00:15	19:11:31	00:02:45	-----	309-	27-	81-	16287
C1 (21)	17/08/01	19:04:13	19:16:56	00:05:25	-----	302-	39-	89-	98446
K6 (106)	17/08/01	19:22:45	19:34:02	00:11:17	00:05:48	201-	31-	68-	16214
C7 (27)	17/08/01	19:28:19	19:41:13	00:07:10	-----	303-	44-	96-	98485
T4 (114)	17/08/01	19:34:03	19:45:44	00:04:31	-----	310-	34-	92-	16290
K3 (103)	17/08/01	19:48:58	20:00:56	00:11:57	00:03:14	214-	47-	62-	15316
T3 (105)	17/08/01	20:06:50	20:18:18	00:11:27	00:05:54	306-	26-	74-	15452
T1 (118)	17/08/01	20:09:25	20:21:35	00:03:17	-----	308-	50-	107-	16204
K9 (109)	17/08/01	20:15:50	20:28:10	00:06:34	-----	229-	76-	58-	15316
C3 (23)	17/08/01	20:37:30	20:50:49	00:13:18	00:09:19	301-	88-	121-	98489
K4 (104)	17/08/01	20:38:27	20:50:45	00:00:04	-----	233-	86-	57-	15488
K7 (107)	17/08/01	20:40:49	20:53:12	00:02:26	-----	239-	78-	55-	15316
T2 (110)	17/08/01	20:44:02	20:56:26	00:03:13	-----	305-	77-	121-	16288
C1 (21)	17/08/01	20:49:55	21:03:11	00:06:45	-----	299-	79-	127-	98447
K6 (106)	17/08/01	21:05:51	21:18:06	00:12:15	00:02:39	249-	57-	53-	16215
C7 (27)	17/08/01	21:14:01	21:27:07	00:09:00	-----	297-	60-	136-	98486
T4 (114)	17/08/01	21:17:48	21:30:05	00:02:58	-----	301-	67-	135-	16291
K3 (103)	17/08/01	21:32:47	21:44:46	00:11:59	00:02:42	260-	42-	51-	15317
T3 (105)	17/08/01	21:51:38	22:04:21	00:12:43	00:06:51	307-	58-	112-	15453
T1 (118)	17/08/01	21:53:22	22:05:01	00:00:40	-----	294-	37-	152-	16205
K9 (109)	17/08/01	22:00:19	22:11:55	00:06:53	-----	271-	32-	51-	15317
K4 (104)	17/08/01	22:23:13	22:34:35	00:11:21	00:11:18	275-	30-	51-	15489
C3 (23)	17/08/01	22:23:49	22:34:53	00:00:18	-----	282-	21-	169-	98490
K7 (107)	17/08/01	22:25:43	22:36:58	00:02:05	-----	280-	28-	52-	15317
T2 (110)	17/08/01	22:28:27	22:38:46	00:01:48	-----	284-	21-	170-	16289

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
C1 (21)	17/08/01	22:36:32	22:46:41	00:07:54	-----	277-	17-	177-	98448
K6 (106)	17/08/01	22:51:02	23:02:00	00:10:57	00:04:21	288-	24-	54-	16216
C7 (27)	17/08/01	23:01:18	23:09:33	00:07:32	-----	268-	12-	190-	98487
T4 (114)	17/08/01	23:03:09	23:10:53	00:01:19	-----	270-	11-	193-	16292
K3 (103)	17/08/01	23:18:08	23:28:54	00:10:45	00:07:15	295-	23-	57-	15318
D4 (32)	17/08/01	23:24:11	23:30:49	00:01:55	-----	161-	9-	101-	92217
T3 (105)	17/08/01	23:36:33	23:48:17	00:11:44	00:05:43	291-	31-	158-	15454
K9 (109)	17/08/01	23:45:40	23:56:22	00:08:05	-----	301-	22-	62-	15318
D6 (34)	17/08/01	23:49:10	23:53:53	00:02:02	-----	148-	7-	106-	92221
D7 (35)	17/08/02	00:05:52	00:13:21	00:07:29	00:11:58	165-	10-	96-	92218
K4 (104)	17/08/02	00:08:36	00:19:15	00:05:53	-----	303-	22-	64-	15490
K7 (107)	17/08/02	00:10:55	00:21:43	00:02:27	-----	305-	23-	68-	15318
D8 (36)	17/08/02	00:25:06	00:35:10	00:10:03	00:03:23	183-	17-	81-	92174
K6 (106)	17/08/02	00:36:00	00:47:02	00:11:01	00:00:50	308-	25-	75-	16217
D3 (31)	17/08/02	00:45:56	00:58:19	00:11:17	-----	207-	36-	68-	92131
K3 (103)	17/08/02	01:02:48	01:14:09	00:11:20	00:04:29	309-	29-	83-	15319
D4 (32)	17/08/02	01:05:51	01:18:46	00:04:37	-----	219-	50-	65-	92218
D2 (30)	17/08/02	01:05:57	01:18:24	00:00:02	-----	209-	38-	68-	92219
D6 (34)	17/08/02	01:29:53	01:42:36	00:12:42	00:11:28	215-	44-	66-	92222
K9 (109)	17/08/02	01:29:59	01:41:44	00:00:05	-----	310-	36-	94-	15319
D7 (35)	17/08/02	01:47:56	02:00:56	00:13:00	00:06:11	221-	55-	64-	92219
K4 (104)	17/08/02	01:52:53	02:04:44	00:03:47	-----	309-	39-	98-	15491
K7 (107)	17/08/02	01:54:59	02:07:02	00:02:18	-----	309-	45-	103-	15319
G2 (04)	17/08/02	01:58:33	02:08:33	00:01:31	-----	104-	18-	2-	1294
D8 (36)	17/08/02	02:08:34	02:21:48	00:13:14	-----	233-	78-	61-	92175
K6 (106)	17/08/02	02:19:53	02:32:10	00:10:21	-----	307-	61-	113-	16218
D3 (31)	17/08/02	02:31:01	02:44:11	00:12:01	-----	252-	60-	58-	92132
K3 (103)	17/08/02	02:46:34	02:58:57	00:12:22	00:02:22	305-	85-	124-	15320
D2 (30)	17/08/02	02:51:07	03:04:15	00:05:17	-----	253-	59-	57-	92220
D4 (32)	17/08/02	02:51:32	03:04:33	00:00:17	-----	260-	49-	57-	92219
K9 (109)	17/08/02	03:13:45	03:25:58	00:12:13	00:09:12	300-	62-	137-	15320
D6 (34)	17/08/02	03:15:18	03:28:22	00:02:23	-----	257-	53-	57-	92223
D7 (35)	17/08/02	03:33:42	03:46:39	00:12:57	00:05:19	263-	46-	57-	92220
G2 (04)	17/08/02	03:35:08	03:47:55	00:01:16	-----	163-	65-	331-	1295
K4 (104)	17/08/02	03:36:46	03:48:52	00:00:56	-----	298-	53-	141-	15492
K7 (107)	17/08/02	03:38:51	03:50:42	00:01:50	-----	296-	42-	148-	15320
D8 (36)	17/08/02	03:54:49	04:07:31	00:12:42	00:04:06	272-	39-	58-	92176
K6 (106)	17/08/02	04:04:00	04:15:07	00:07:36	-----	290-	28-	161-	16219
A3 (07)	17/08/02	04:16:15	04:23:02	00:06:47	00:01:07	162-	9-	99-	2685
D3 (31)	17/08/02	04:17:48	04:30:07	00:07:04	-----	286-	31-	63-	92133
A4 (08)	17/08/02	04:30:05	04:39:07	00:08:59	-----	176-	14-	87-	2685
K3 (103)	17/08/02	04:31:08	04:40:59	00:01:52	-----	281-	18-	176-	15321
D2 (30)	17/08/02	04:37:55	04:50:12	00:09:13	-----	287-	31-	63-	92221
D4 (32)	17/08/02	04:38:27	04:50:42	00:00:29	-----	291-	30-	67-	92220
A8 (12)	17/08/02	04:40:51	04:50:39	00:00:02	-----	182-	16-	82-	2666
A5 (09)	17/08/02	04:53:23	05:03:53	00:10:29	00:02:44	188-	19-	78-	2685
K9 (109)	17/08/02	04:59:19	05:06:28	00:02:35	-----	267-	10-	198-	15321
D6 (34)	17/08/02	05:02:09	05:14:24	00:07:55	-----	289-	31-	65-	92224
A7 (11)	17/08/02	05:04:55	05:16:09	00:01:44	-----	196-	24-	74-	2685
A6 (10)	17/08/02	05:18:11	05:29:50	00:11:39	00:02:02	199-	28-	72-	20187

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
G2 (04)	17/08/02	05:18:58	05:22:19	00:07:03	-----	243-	6-	279-	1296
D7 (35)	17/08/02	05:20:35	05:32:49	00:10:29	-----	292-	30-	68-	92221
K4 (104)	17/08/02	05:23:00	05:28:45	00:04:04	-----	259-	8-	208-	15493
A2 (06)	17/08/02	05:33:50	05:46:02	00:12:12	00:05:05	208-	37-	68-	2685
D8 (36)	17/08/02	05:41:38	05:53:56	00:07:54	-----	297-	31-	74-	92177
A1 (05)	17/08/02	05:41:41	05:54:05	00:00:08	-----	212-	41-	67-	2594
A3 (07)	17/08/02	05:57:37	06:10:21	00:12:43	00:03:32	220-	52-	65-	2686
D3 (31)	17/08/02	06:04:17	06:16:54	00:06:33	-----	302-	37-	87-	92134
S2 (113)	17/08/02	06:10:20	06:17:30	00:00:35	-----	164-	10-	94-	16418
A4 (08)	17/08/02	06:12:35	06:25:34	00:08:04	-----	228-	68-	62-	2686
B8 (20)	17/08/02	06:23:00	06:29:31	00:03:57	-----	160-	9-	102-	99150
A8 (12)	17/08/02	06:23:49	06:36:50	00:07:18	-----	233-	78-	61-	2667
D2 (30)	17/08/02	06:24:22	06:37:00	00:00:10	-----	302-	38-	88-	92222
D4 (32)	17/08/02	06:24:45	06:37:36	00:00:35	-----	303-	43-	95-	92221
S3 (112)	17/08/02	06:35:11	06:44:45	00:07:09	-----	182-	17-	79-	16413
B4 (16)	17/08/02	06:35:44	06:43:16	00:01:02	-----	166-	10-	96-	99139
A5 (09)	17/08/02	06:36:47	06:49:49	00:06:33	-----	237-	88-	60-	2686
D6 (34)	17/08/02	06:48:30	07:01:15	00:11:26	-----	303-	40-	91-	92225
A7 (11)	17/08/02	06:48:48	07:01:50	00:00:34	-----	242-	80-	59-	2686
B3 (15)	17/08/02	06:48:51	06:57:48	00:04:02	-----	174-	13-	88-	99139
S4 (119)	17/08/02	07:00:15	07:11:10	00:10:54	00:02:26	194-	26-	70-	16330
A6 (10)	17/08/02	07:02:23	07:15:23	00:04:13	-----	246-	71-	58-	20188
B2 (14)	17/08/02	07:03:56	07:14:12	00:01:01	-----	185-	18-	80-	99139
D7 (35)	17/08/02	07:06:48	07:19:41	00:05:29	-----	303-	45-	96-	92222
A2 (06)	17/08/02	07:18:30	07:31:25	00:11:44	-----	253-	59-	57-	2686
B1 (13)	17/08/02	07:19:31	07:30:37	00:00:04	-----	192-	22-	76-	99052
S1 (116)	17/08/02	07:25:34	07:37:23	00:06:45	-----	210-	41-	64-	16331
A1 (05)	17/08/02	07:26:33	07:39:25	00:02:02	-----	256-	55-	57-	2595
D8 (36)	17/08/02	07:27:37	07:40:45	00:01:20	-----	303-	57-	106-	92178
B6 (18)	17/08/02	07:33:57	07:46:07	00:05:21	-----	204-	32-	70-	99140
A3 (07)	17/08/02	07:42:52	07:55:36	00:09:29	-----	262-	47-	57-	2687
B7 (19)	17/08/02	07:48:17	08:00:50	00:05:13	-----	210-	40-	67-	99140
D3 (31)	17/08/02	07:50:00	08:03:15	00:02:24	-----	300-	84-	125-	92135
S2 (113)	17/08/02	07:50:49	08:03:05	00:00:09	-----	223-	62-	60-	16419
A4 (08)	17/08/02	07:58:12	08:10:47	00:07:41	-----	268-	41-	57-	2687
B8 (20)	17/08/02	08:04:35	08:17:28	00:06:41	-----	219-	50-	65-	99151
A8 (12)	17/08/02	08:09:36	08:22:03	00:04:35	-----	272-	38-	58-	2668
D2 (30)	17/08/02	08:10:04	08:23:18	00:01:14	-----	299-	81-	126-	92223
D4 (32)	17/08/02	08:10:30	08:23:36	00:00:17	-----	297-	63-	134-	92222
S3 (112)	17/08/02	08:17:01	08:29:26	00:05:49	-----	234-	90-	56-	16414
B4 (16)	17/08/02	08:17:49	08:30:49	00:01:23	-----	222-	55-	64-	99140
A5 (09)	17/08/02	08:22:44	08:35:04	00:04:14	-----	275-	36-	59-	2687
B3 (15)	17/08/02	08:31:40	08:44:48	00:09:44	-----	227-	66-	62-	99140
D6 (34)	17/08/02	08:34:12	08:47:24	00:02:35	-----	298-	72-	130-	92226
A7 (11)	17/08/02	08:34:54	08:47:08	00:00:01	-----	279-	34-	60-	2687
S4 (119)	17/08/02	08:43:01	08:55:22	00:08:13	-----	245-	65-	54-	16331
B2 (14)	17/08/02	08:47:30	09:00:45	00:05:23	-----	234-	81-	61-	99140
A6 (10)	17/08/02	08:48:35	09:00:44	00:00:01	-----	282-	32-	61-	20189
D7 (35)	17/08/02	08:52:30	09:05:32	00:04:47	-----	296-	58-	137-	92223
B1 (13)	17/08/02	09:03:37	09:16:54	00:11:21	-----	240-	86-	59-	99053

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A2 (06)	17/08/02	09:04:50	09:16:53	00:00:00	-----	287-	31-	63-	2687
S1 (116)	17/08/02	09:09:10	09:21:17	00:04:23	-----	257-	46-	52-	16332
A1 (05)	17/08/02	09:12:55	09:24:57	00:03:40	-----	288-	30-	64-	2596
D8 (36)	17/08/02	09:13:26	09:26:00	00:01:03	-----	292-	39-	148-	92179
B6 (18)	17/08/02	09:18:50	09:32:03	00:06:02	-----	250-	65-	58-	99141
A3 (07)	17/08/02	09:29:16	09:41:15	00:09:12	-----	292-	30-	67-	2688
B7 (19)	17/08/02	09:33:31	09:46:39	00:05:24	-----	255-	57-	58-	99141
S2 (113)	17/08/02	09:35:03	09:46:51	00:00:11	-----	267-	36-	51-	16420
D3 (31)	17/08/02	09:36:30	09:46:54	00:00:03	-----	279-	18-	174-	92136
A4 (08)	17/08/02	09:44:36	09:56:36	00:09:41	-----	295-	30-	71-	2688
B8 (20)	17/08/02	09:50:12	10:03:12	00:06:36	-----	260-	49-	57-	99152
A8 (12)	17/08/02	09:55:58	10:07:58	00:04:46	-----	297-	30-	73-	2669
D2 (30)	17/08/02	09:56:38	10:06:53	00:01:05	-----	278-	18-	176-	92224
D4 (32)	17/08/02	09:57:41	10:06:16	00:00:03	-----	270-	12-	188-	92223
S3 (112)	17/08/02	10:01:45	10:13:11	00:06:55	-----	276-	30-	51-	16415
B4 (16)	17/08/02	10:03:36	10:16:32	00:03:20	-----	263-	46-	57-	99141
A5 (09)	17/08/02	10:09:02	10:21:04	00:04:32	-----	299-	31-	75-	2688
B3 (15)	17/08/02	10:17:41	10:30:30	00:09:25	-----	267-	42-	58-	99141
D6 (34)	17/08/02	10:21:02	10:30:32	00:00:01	-----	274-	15-	183-	92227
A7 (11)	17/08/02	10:21:08	10:33:16	00:02:43	-----	300-	32-	79-	2688
S4 (119)	17/08/02	10:28:06	10:39:12	00:05:56	-----	284-	26-	53-	16332
B2 (14)	17/08/02	10:33:48	10:46:28	00:07:15	-----	273-	38-	59-	99141
A6 (10)	17/08/02	10:34:44	10:46:57	00:00:28	-----	301-	34-	82-	20190
D7 (35)	17/08/02	10:39:54	10:47:51	00:00:54	-----	266-	11-	194-	92224
B1 (13)	17/08/02	10:50:06	11:02:39	00:12:33	00:02:14	277-	35-	60-	99054
A2 (06)	17/08/02	10:50:49	11:03:13	00:00:33	-----	302-	37-	87-	2688
S1 (116)	17/08/02	10:54:30	11:05:20	00:02:07	-----	293-	23-	56-	16333
A1 (05)	17/08/02	10:58:50	11:11:18	00:05:57	-----	303-	38-	90-	2597
B6 (18)	17/08/02	11:05:34	11:17:57	00:06:38	-----	284-	32-	62-	99142
A3 (07)	17/08/02	11:15:03	11:27:39	00:09:42	-----	303-	43-	95-	2689
B7 (19)	17/08/02	11:20:20	11:32:39	00:05:00	-----	287-	31-	64-	99142
S2 (113)	17/08/02	11:20:26	11:31:09	00:01:02	-----	299-	22-	60-	16421
A4 (08)	17/08/02	11:30:13	11:42:58	00:11:49	-----	303-	50-	101-	2689
B8 (20)	17/08/02	11:37:03	11:49:19	00:06:20	-----	291-	30-	67-	99153
A8 (12)	17/08/02	11:41:29	11:54:19	00:05:00	-----	303-	55-	105-	2670
S3 (112)	17/08/02	11:47:02	11:57:48	00:03:28	-----	303-	23-	65-	16416
B4 (16)	17/08/02	11:50:27	12:02:43	00:04:54	-----	292-	30-	68-	99142
A5 (09)	17/08/02	11:54:28	12:07:22	00:04:38	-----	303-	62-	109-	2689
B3 (15)	17/08/02	12:04:32	12:16:48	00:09:26	-----	295-	31-	71-	99142
A7 (11)	17/08/02	12:06:29	12:19:27	00:02:38	-----	302-	71-	114-	2689
S4 (119)	17/08/02	12:13:11	12:24:07	00:04:40	-----	307-	24-	72-	16333
T1 (118)	17/08/02	12:17:20	12:25:37	00:01:29	-----	172-	13-	87-	16214
A6 (10)	17/08/02	12:20:02	12:33:01	00:07:24	-----	301-	81-	118-	20191
B2 (14)	17/08/02	12:20:35	12:32:55	00:00:06	-----	297-	31-	75-	99142
A2 (06)	17/08/02	12:36:04	12:49:04	00:13:00	00:03:08	300-	83-	125-	2689
B1 (13)	17/08/02	12:36:49	12:49:14	00:00:09	-----	299-	33-	78-	99055
S1 (116)	17/08/02	12:39:16	12:50:31	00:01:17	-----	309-	27-	81-	16334
A1 (05)	17/08/02	12:44:04	12:57:02	00:06:30	-----	299-	76-	128-	2598
T2 (110)	17/08/02	12:50:30	13:01:07	00:04:04	-----	191-	23-	72-	16298
B6 (18)	17/08/02	12:52:05	13:04:42	00:03:35	-----	301-	36-	85-	99143

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
C3 (23)	17/08/02	12:59:22	13:11:01	00:06:18	-----	198-	26-	73-	98499
A3 (07)	17/08/02	13:00:16	13:13:06	00:02:05	-----	297-	61-	135-	2690
S2 (113)	17/08/02	13:04:53	13:16:30	00:03:23	-----	310-	32-	89-	16422
B7 (19)	17/08/02	13:06:44	13:19:28	00:02:58	-----	302-	39-	90-	99143
C1 (21)	17/08/02	13:11:21	13:23:30	00:04:01	-----	203-	32-	70-	98457
A4 (08)	17/08/02	13:15:30	13:28:02	00:04:31	-----	294-	46-	143-	2690
B8 (20)	17/08/02	13:23:19	13:36:11	00:08:08	-----	303-	43-	95-	99154
T4 (114)	17/08/02	13:23:26	13:35:13	00:00:05	-----	209-	40-	64-	16301
A8 (12)	17/08/02	13:26:50	13:39:09	00:03:55	-----	292-	40-	148-	2671
S3 (112)	17/08/02	13:31:12	13:43:09	00:04:00	-----	309-	41-	99-	16417
C7 (27)	17/08/02	13:35:01	13:47:43	00:04:33	-----	214-	44-	66-	98496
B4 (16)	17/08/02	13:36:39	13:49:35	00:01:51	-----	303-	46-	97-	99143
A5 (09)	17/08/02	13:39:54	13:51:56	00:02:20	-----	290-	34-	153-	2690
B3 (15)	17/08/02	13:50:37	14:03:40	00:11:43	-----	303-	51-	101-	99143
A7 (11)	17/08/02	13:52:03	14:03:37	00:00:02	-----	287-	28-	159-	2690
S4 (119)	17/08/02	13:57:08	14:09:21	00:05:44	-----	308-	53-	109-	16334
T1 (118)	17/08/02	13:58:26	14:10:46	00:01:24	-----	228-	73-	58-	16215
A6 (10)	17/08/02	14:05:45	14:16:50	00:06:04	-----	284-	23-	165-	20192
B2 (14)	17/08/02	14:06:33	14:19:43	00:02:52	-----	303-	59-	107-	99143
T3 (105)	17/08/02	14:06:33	14:16:52	00:02:05	-----	186-	19-	76-	15463
A2 (06)	17/08/02	14:22:07	14:32:18	00:10:11	00:05:14	278-	18-	174-	2690
B1 (13)	17/08/02	14:22:40	14:35:56	00:03:37	-----	302-	68-	112-	99056
S1 (116)	17/08/02	14:23:03	14:35:26	00:00:02	-----	305-	77-	120-	16335
A1 (05)	17/08/02	14:30:18	14:39:56	00:04:29	-----	275-	16-	180-	2599
T2 (110)	17/08/02	14:33:03	14:45:24	00:05:28	-----	243-	70-	54-	16299
B6 (18)	17/08/02	14:37:49	14:51:08	00:05:43	-----	300-	90-	122-	99144
C3 (23)	17/08/02	14:43:51	14:57:07	00:05:59	-----	244-	76-	59-	98500
A3 (07)	17/08/02	14:47:03	14:55:12	00:01:05	-----	268-	12-	191-	2691
S2 (113)	17/08/02	14:48:38	15:01:00	00:05:47	-----	302-	76-	131-	16423
B7 (19)	17/08/02	14:52:27	15:05:42	00:04:42	-----	299-	77-	128-	99144
C1 (21)	17/08/02	14:56:14	15:09:26	00:03:44	-----	250-	65-	58-	98458
A4 (08)	17/08/02	15:03:21	15:08:45	00:00:04	-----	254-	7-	209-	2691
T4 (114)	17/08/02	15:07:01	15:19:07	00:10:22	-----	256-	47-	52-	16302
B8 (20)	17/08/02	15:09:01	15:22:08	00:03:01	-----	297-	63-	134-	99155
S3 (112)	17/08/02	15:15:01	15:27:06	00:04:57	-----	298-	50-	143-	16418
C7 (27)	17/08/02	15:20:26	15:33:31	00:06:24	-----	257-	53-	57-	98497
B4 (16)	17/08/02	15:22:21	15:35:25	00:01:54	-----	296-	57-	137-	99144
B3 (15)	17/08/02	15:36:22	15:49:14	00:12:51	00:00:57	294-	48-	142-	99144
S4 (119)	17/08/02	15:41:08	15:52:37	00:03:23	-----	292-	33-	155-	16335
T1 (118)	17/08/02	15:42:53	15:54:30	00:01:53	-----	271-	33-	51-	16216
T3 (105)	17/08/02	15:49:26	16:02:16	00:07:45	-----	236-	85-	56-	15464
B2 (14)	17/08/02	15:52:23	16:04:52	00:02:36	-----	291-	37-	150-	99144
G2 (04)	17/08/02	15:53:24	16:02:45	00:02:07	-----	53-	16-	153-	1302
S1 (116)	17/08/02	16:07:28	16:17:47	00:10:19	00:04:42	284-	21-	170-	16336
B1 (13)	17/08/02	16:08:38	16:20:43	00:02:56	-----	288-	30-	156-	99057
T2 (110)	17/08/02	16:18:03	16:29:13	00:08:30	-----	282-	26-	52-	16300
B6 (18)	17/08/02	16:24:10	16:35:06	00:05:52	-----	281-	21-	170-	99145
C3 (23)	17/08/02	16:30:28	16:42:56	00:07:49	-----	280-	34-	61-	98501
S2 (113)	17/08/02	16:33:42	16:42:14	00:00:04	-----	274-	13-	187-	16424
B7 (19)	17/08/02	16:39:06	16:49:05	00:06:51	-----	276-	16-	178-	99145

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
C1 (21)	17/08/02	16:42:57	16:55:20	00:06:14	-----	284-	32-	62-	98459
T4 (114)	17/08/02	16:52:19	17:03:09	00:07:49	-----	292-	23-	55-	16303
B8 (20)	17/08/02	16:56:09	17:04:47	00:01:37	-----	270-	12-	188-	99156
S3 (112)	17/08/02	17:01:26	17:06:33	00:01:46	-----	256-	7-	211-	16419
C7 (27)	17/08/02	17:07:17	17:19:34	00:12:16	00:00:43	289-	31-	65-	98498
B4 (16)	17/08/02	17:09:47	17:17:38	00:01:05	-----	266-	11-	193-	99145
B3 (15)	17/08/02	17:24:31	17:30:35	00:06:03	00:06:52	257-	8-	205-	99145
T1 (118)	17/08/02	17:28:14	17:38:56	00:08:21	-----	301-	22-	62-	16217
G2 (04)	17/08/02	17:30:45	17:42:51	00:03:54	-----	18-	57-	219-	1303
T3 (105)	17/08/02	17:35:06	17:46:54	00:04:03	-----	277-	30-	52-	15465
T2 (110)	17/08/02	18:03:11	18:14:04	00:10:52	00:16:17	306-	24-	70-	16301
K7 (107)	17/08/02	18:03:25	18:10:48	00:03:01	-----	166-	11-	93-	15329
K4 (104)	17/08/02	18:03:29	18:08:48	00:02:00	-----	155-	8-	100-	15501
C3 (23)	17/08/02	18:17:07	18:29:37	00:12:29	00:08:19	300-	34-	81-	98502
K6 (106)	17/08/02	18:26:59	18:36:35	00:06:58	-----	183-	17-	79-	16228
C1 (21)	17/08/02	18:29:29	18:42:05	00:05:29	-----	302-	36-	85-	98460
T4 (114)	17/08/02	18:37:06	18:48:20	00:06:14	-----	309-	27-	80-	16304
K3 (103)	17/08/02	18:52:48	19:03:45	00:10:57	00:04:28	195-	27-	70-	15330
C7 (27)	17/08/02	18:53:37	19:06:25	00:02:39	-----	303-	41-	92-	98499
G2 (04)	17/08/02	19:11:32	19:17:00	00:05:27	00:05:07	342-	8-	286-	1304
T1 (118)	17/08/02	19:12:34	19:24:19	00:07:19	-----	310-	35-	93-	16218
K9 (109)	17/08/02	19:19:19	19:31:11	00:06:52	-----	212-	43-	63-	15330
T3 (105)	17/08/02	19:21:12	19:32:29	00:01:17	-----	304-	24-	68-	15466
K4 (104)	17/08/02	19:43:10	19:55:11	00:12:01	00:10:40	218-	52-	62-	15502
K7 (107)	17/08/02	19:44:02	19:56:17	00:01:06	-----	224-	64-	59-	15330
T2 (110)	17/08/02	19:47:11	19:59:21	00:03:03	-----	308-	50-	106-	16302
C3 (23)	17/08/02	20:02:55	20:16:13	00:13:18	00:03:33	301-	77-	117-	98503
K6 (106)	17/08/02	20:08:51	20:21:15	00:05:01	-----	235-	89-	56-	16229
C1 (21)	17/08/02	20:15:13	20:28:31	00:07:16	-----	300-	90-	122-	98461
T4 (114)	17/08/02	20:20:54	20:33:16	00:04:44	-----	306-	75-	120-	16305
K3 (103)	17/08/02	20:35:37	20:47:56	00:12:18	00:02:20	246-	64-	53-	15331
C7 (27)	17/08/02	20:39:19	20:52:32	00:04:36	-----	298-	71-	130-	98500
T1 (118)	17/08/02	20:56:19	21:08:36	00:12:16	00:03:47	301-	65-	136-	16219
K9 (109)	17/08/02	21:03:01	21:15:03	00:06:27	-----	258-	44-	51-	15331
T3 (105)	17/08/02	21:06:11	21:18:41	00:03:37	-----	309-	45-	102-	15467
K4 (104)	17/08/02	21:27:15	21:39:04	00:11:49	00:08:33	262-	39-	51-	15503
K7 (107)	17/08/02	21:28:18	21:40:03	00:00:58	-----	267-	35-	51-	15331
T2 (110)	17/08/02	21:31:07	21:42:48	00:02:44	-----	294-	37-	152-	16303
C3 (23)	17/08/02	21:49:02	22:00:40	00:11:37	00:06:14	285-	26-	162-	98504
K6 (106)	17/08/02	21:53:36	22:05:00	00:04:19	-----	276-	29-	51-	16230
C1 (21)	17/08/02	22:01:34	22:12:31	00:07:30	-----	281-	21-	170-	98462
T4 (114)	17/08/02	22:05:17	22:15:40	00:03:08	-----	285-	22-	170-	16306
K3 (103)	17/08/02	22:20:43	22:31:47	00:11:03	00:05:03	285-	25-	53-	15332
C7 (27)	17/08/02	22:26:10	22:35:38	00:03:51	-----	274-	15-	182-	98501
T1 (118)	17/08/02	22:41:48	22:49:15	00:07:27	00:06:09	268-	11-	195-	16220
K9 (109)	17/08/02	22:48:21	22:59:08	00:09:53	-----	294-	23-	56-	15332
T3 (105)	17/08/02	22:50:54	23:03:17	00:04:08	-----	297-	45-	146-	15468
K4 (104)	17/08/02	23:12:42	23:23:21	00:10:38	00:09:25	296-	22-	58-	15504
K7 (107)	17/08/02	23:13:41	23:24:22	00:01:01	-----	299-	22-	60-	15332
D7 (35)	17/08/02	23:32:24	23:37:52	00:05:28	00:08:01	156-	7-	103-	92232

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
K6 (106)	17/08/02	23:38:53	23:49:37	00:10:44	00:01:00	304-	23-	66-	16231
D8 (36)	17/08/02	23:51:06	00:00:11	00:09:04	00:01:28	175-	13-	87-	92188
K3 (103)	17/08/03	00:05:47	00:16:42	00:10:55	00:05:36	307-	24-	72-	15333
D3 (31)	17/08/03	00:11:34	00:23:34	00:06:52	-----	201-	30-	71-	92145
D2 (30)	17/08/03	00:31:35	00:43:40	00:12:05	00:08:00	203-	31-	70-	92233
D4 (32)	17/08/03	00:31:56	00:44:36	00:00:56	-----	212-	42-	66-	92232
K9 (109)	17/08/03	00:33:04	00:44:21	00:00:01	-----	309-	28-	82-	15333
T3 (105)	17/08/03	00:38:47	00:42:48	00:01:03	-----	250-	6-	219-	15469
D6 (34)	17/08/03	00:55:29	01:07:53	00:12:23	00:12:41	208-	36-	68-	92236
K4 (104)	17/08/03	00:57:23	01:08:45	00:00:51	-----	310-	30-	86-	15505
K7 (107)	17/08/03	00:58:07	01:09:43	00:00:58	-----	310-	33-	90-	15333
D7 (35)	17/08/03	01:13:26	01:26:15	00:12:48	00:03:43	216-	46-	66-	92233
K6 (106)	17/08/03	01:23:02	01:34:59	00:08:44	-----	309-	41-	99-	16232
G2 (04)	17/08/03	01:32:12	01:39:05	00:04:06	-----	80-	10-	15-	1308
D8 (36)	17/08/03	01:34:00	01:47:09	00:08:04	-----	228-	67-	62-	92189
K3 (103)	17/08/03	01:49:43	02:01:55	00:12:12	00:02:33	308-	54-	109-	15334
D3 (31)	17/08/03	01:56:19	02:09:33	00:07:37	-----	248-	69-	58-	92146
D2 (30)	17/08/03	02:16:24	02:29:37	00:13:12	00:06:51	249-	66-	58-	92234
K9 (109)	17/08/03	02:16:51	02:29:14	00:00:02	-----	305-	80-	122-	15334
D4 (32)	17/08/03	02:17:19	02:30:26	00:01:12	-----	256-	54-	57-	92233
D6 (34)	17/08/03	02:40:36	02:53:45	00:13:09	00:10:09	253-	60-	58-	92237
K4 (104)	17/08/03	02:41:12	02:53:33	00:00:01	-----	304-	88-	127-	15506
K7 (107)	17/08/03	02:41:51	02:54:11	00:00:37	-----	302-	74-	132-	15334
D7 (35)	17/08/03	02:58:56	03:12:00	00:13:03	00:04:45	258-	52-	57-	92234
G2 (04)	17/08/03	03:06:49	03:19:31	00:07:30	-----	144-	65-	341-	1309
K6 (106)	17/08/03	03:06:51	03:18:54	00:00:03	-----	298-	50-	143-	16233
D8 (36)	17/08/03	03:20:02	03:32:51	00:12:48	00:01:08	268-	42-	58-	92190
K3 (103)	17/08/03	03:33:43	03:45:10	00:11:27	00:00:52	292-	33-	156-	15335
D3 (31)	17/08/03	03:43:01	03:55:24	00:10:13	-----	283-	32-	61-	92147
A4 (08)	17/08/03	03:50:26	03:57:22	00:01:57	-----	163-	9-	99-	2699
A8 (12)	17/08/03	04:00:58	04:09:09	00:08:11	00:03:36	170-	12-	92-	2680
K9 (109)	17/08/03	04:01:20	04:11:25	00:02:15	-----	283-	20-	173-	15335
D2 (30)	17/08/03	04:03:08	04:15:29	00:04:04	-----	283-	32-	62-	92235
D4 (32)	17/08/03	04:04:13	04:16:30	00:01:00	-----	288-	31-	65-	92234
A5 (09)	17/08/03	04:13:20	04:22:32	00:06:02	-----	178-	14-	85-	2699
A7 (11)	17/08/03	04:24:43	04:34:56	00:10:13	00:02:10	186-	18-	80-	2699
K4 (104)	17/08/03	04:26:01	04:35:25	00:00:28	-----	279-	16-	180-	15507
K7 (107)	17/08/03	04:26:59	04:35:19	00:00:05	-----	273-	13-	189-	15335
D6 (34)	17/08/03	04:27:23	04:39:41	00:04:22	-----	286-	31-	63-	92238
A6 (10)	17/08/03	04:37:51	04:48:42	00:09:00	-----	192-	21-	76-	20201
D7 (35)	17/08/03	04:45:48	04:58:04	00:09:21	-----	290-	30-	66-	92235
G2 (04)	17/08/03	04:47:08	04:56:42	00:01:02	-----	207-	16-	306-	1310
K6 (106)	17/08/03	04:53:20	04:58:17	00:01:34	-----	255-	7-	213-	16234
A2 (06)	17/08/03	04:53:21	05:05:00	00:06:42	-----	201-	28-	72-	2699
A1 (05)	17/08/03	05:01:10	05:13:04	00:08:04	-----	203-	31-	70-	2608
D8 (36)	17/08/03	05:06:54	05:19:10	00:06:06	-----	295-	30-	71-	92191
A3 (07)	17/08/03	05:17:02	05:29:23	00:10:13	-----	211-	40-	67-	2700
D3 (31)	17/08/03	05:29:36	05:42:07	00:12:31	00:00:13	301-	35-	84-	92148
A4 (08)	17/08/03	05:31:51	05:44:38	00:02:30	-----	220-	52-	64-	2700
S3 (112)	17/08/03	05:40:32	05:46:24	00:01:46	-----	157-	8-	102-	16427

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
A8 (12)	17/08/03	05:43:03	05:55:56	00:09:31	-----	225-	61-	63-	2681
D2 (30)	17/08/03	05:49:41	06:02:13	00:06:17	-----	301-	35-	84-	92236
D4 (32)	17/08/03	05:50:38	06:03:22	00:01:08	-----	303-	40-	91-	92235
A5 (09)	17/08/03	05:55:58	06:08:56	00:05:33	-----	229-	70-	62-	2700
B4 (16)	17/08/03	06:02:12	06:07:43	00:01:01	-----	157-	8-	103-	99153
S4 (119)	17/08/03	06:04:43	06:13:32	00:05:49	-----	176-	14-	84-	16344
A7 (11)	17/08/03	06:07:56	06:20:58	00:07:25	-----	235-	83-	60-	2700
D6 (34)	17/08/03	06:13:51	06:26:29	00:05:31	-----	302-	37-	88-	92239
B3 (15)	17/08/03	06:14:57	06:22:32	00:03:05	-----	166-	10-	96-	99153
A6 (10)	17/08/03	06:21:28	06:34:31	00:12:00	-----	239-	86-	59-	20202
S1 (116)	17/08/03	06:29:31	06:40:09	00:05:37	-----	191-	23-	72-	16345
B2 (14)	17/08/03	06:29:49	06:39:08	00:01:00	-----	177-	14-	85-	99153
D7 (35)	17/08/03	06:32:08	06:44:55	00:05:46	-----	303-	41-	92-	92236
A2 (06)	17/08/03	06:37:32	06:50:33	00:05:38	-----	246-	71-	58-	2700
B1 (13)	17/08/03	06:45:17	06:55:40	00:05:06	-----	186-	18-	80-	99066
A1 (05)	17/08/03	06:45:33	06:58:33	00:02:52	-----	249-	66-	58-	2609
D8 (36)	17/08/03	06:52:58	07:06:02	00:07:29	-----	303-	51-	102-	92192
S2 (113)	17/08/03	06:54:27	07:06:01	00:00:00	-----	205-	35-	66-	16433
B6 (18)	17/08/03	06:59:33	07:11:16	00:05:15	-----	199-	27-	72-	99154
A3 (07)	17/08/03	07:01:50	07:14:44	00:03:27	-----	255-	56-	57-	2701
B7 (19)	17/08/03	07:13:49	07:26:02	00:11:18	-----	204-	33-	69-	99154
D3 (31)	17/08/03	07:15:22	07:28:37	00:02:35	-----	301-	85-	120-	92149
A4 (08)	17/08/03	07:17:07	07:29:52	00:01:15	-----	262-	47-	57-	2701
S3 (112)	17/08/03	07:20:21	07:32:30	00:02:37	-----	219-	54-	61-	16428
A8 (12)	17/08/03	07:28:31	07:41:09	00:08:39	-----	265-	43-	57-	2682
B8 (20)	17/08/03	07:30:03	07:42:40	00:01:31	-----	212-	42-	66-	99165
D2 (30)	17/08/03	07:35:26	07:48:41	00:06:00	-----	301-	87-	121-	92237
D4 (32)	17/08/03	07:36:23	07:49:34	00:00:52	-----	299-	73-	129-	92236
A5 (09)	17/08/03	07:41:38	07:54:09	00:04:34	-----	269-	40-	58-	2701
B4 (16)	17/08/03	07:43:16	07:56:03	00:01:54	-----	216-	46-	66-	99154
S4 (119)	17/08/03	07:46:07	07:58:30	00:02:26	-----	230-	80-	57-	16345
A7 (11)	17/08/03	07:53:48	08:06:12	00:07:42	-----	273-	37-	58-	2701
B3 (15)	17/08/03	07:57:04	08:10:04	00:03:51	-----	222-	55-	64-	99154
D6 (34)	17/08/03	07:59:34	08:12:49	00:02:45	-----	300-	83-	125-	92240
A6 (10)	17/08/03	08:07:29	08:19:47	00:06:57	-----	277-	35-	59-	20203
S1 (116)	17/08/03	08:12:04	08:24:27	00:04:39	-----	242-	70-	54-	16346
B2 (14)	17/08/03	08:12:51	08:26:02	00:01:34	-----	229-	70-	62-	99154
D7 (35)	17/08/03	08:17:50	08:31:00	00:04:57	-----	298-	69-	131-	92237
A2 (06)	17/08/03	08:23:44	08:35:55	00:04:55	-----	282-	32-	61-	2701
B1 (13)	17/08/03	08:28:56	08:42:11	00:06:16	-----	235-	83-	60-	99067
A1 (05)	17/08/03	08:31:49	08:43:56	00:01:45	-----	284-	32-	61-	2610
S2 (113)	17/08/03	08:37:48	08:50:00	00:06:03	-----	253-	51-	52-	16434
D8 (36)	17/08/03	08:38:44	08:51:34	00:01:34	-----	294-	47-	143-	92193
B6 (18)	17/08/03	08:44:05	08:57:21	00:05:46	-----	245-	74-	59-	99155
A3 (07)	17/08/03	08:48:12	09:00:14	00:02:53	-----	288-	30-	64-	2702
B7 (19)	17/08/03	08:58:45	09:11:57	00:11:43	-----	250-	64-	58-	99155
D3 (31)	17/08/03	09:01:37	09:12:45	00:00:48	-----	283-	22-	167-	92150
A4 (08)	17/08/03	09:03:32	09:15:32	00:02:46	-----	292-	30-	67-	2702
S3 (112)	17/08/03	09:04:23	09:16:17	00:00:45	-----	263-	39-	51-	16429
A8 (12)	17/08/03	09:14:56	09:26:54	00:10:36	-----	294-	30-	69-	2683

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
B8 (20)	17/08/03	09:15:22	09:28:29	00:01:34	-----	256-	55-	57-	99166
D2 (30)	17/08/03	09:21:44	09:32:42	00:04:13	-----	282-	21-	169-	92238
D4 (32)	17/08/03	09:23:11	09:32:50	00:00:08	-----	275-	15-	180-	92237
A5 (09)	17/08/03	09:28:01	09:40:00	00:07:08	-----	296-	30-	71-	2702
B4 (16)	17/08/03	09:28:46	09:41:49	00:01:49	-----	259-	51-	57-	99155
S4 (119)	17/08/03	09:30:41	09:42:15	00:00:26	-----	273-	32-	51-	16346
A7 (11)	17/08/03	09:40:08	09:52:10	00:09:55	-----	298-	31-	74-	2702
B3 (15)	17/08/03	09:42:51	09:55:47	00:03:36	-----	263-	46-	57-	99155
D6 (34)	17/08/03	09:46:05	09:56:29	00:00:42	-----	279-	18-	175-	92241
A6 (10)	17/08/03	09:53:46	10:05:51	00:09:22	-----	299-	31-	77-	20204
S1 (116)	17/08/03	09:57:05	10:08:16	00:02:24	-----	282-	26-	52-	16347
B2 (14)	17/08/03	09:58:57	10:11:44	00:03:27	-----	269-	41-	58-	99155
D7 (35)	17/08/03	10:04:45	10:13:58	00:02:14	-----	273-	14-	185-	92238
A2 (06)	17/08/03	10:09:53	10:22:07	00:08:09	-----	301-	34-	82-	2702
B1 (13)	17/08/03	10:15:14	10:27:54	00:05:46	-----	273-	38-	59-	99068
A1 (05)	17/08/03	10:17:54	10:30:12	00:02:17	-----	302-	35-	84-	2611
S2 (113)	17/08/03	10:23:03	10:33:58	00:03:46	-----	290-	24-	55-	16435
D8 (36)	17/08/03	10:26:57	10:32:49	00:01:08	-----	256-	8-	206-	92194
B6 (18)	17/08/03	10:30:43	10:43:10	00:10:20	-----	281-	33-	61-	99156
A3 (07)	17/08/03	10:34:08	10:46:34	00:03:24	-----	303-	38-	89-	2703
B7 (19)	17/08/03	10:45:29	10:57:51	00:11:16	-----	284-	32-	62-	99156
A4 (08)	17/08/03	10:49:18	11:01:55	00:04:03	-----	303-	43-	95-	2703
S3 (112)	17/08/03	10:49:45	11:00:30	00:01:02	-----	297-	22-	58-	16430
A8 (12)	17/08/03	11:00:36	11:13:18	00:12:41	00:00:06	303-	47-	99-	2684
B8 (20)	17/08/03	11:02:12	11:14:29	00:01:11	-----	288-	31-	65-	99167
A5 (09)	17/08/03	11:13:36	11:26:22	00:11:52	-----	303-	51-	102-	2703
B4 (16)	17/08/03	11:15:37	11:27:53	00:01:31	-----	290-	31-	66-	99156
S4 (119)	17/08/03	11:16:01	11:26:45	00:01:08	-----	302-	22-	63-	16347
A7 (11)	17/08/03	11:25:37	11:38:29	00:11:44	-----	303-	59-	107-	2703
B3 (15)	17/08/03	11:29:43	11:41:58	00:03:28	-----	292-	30-	68-	99156
A6 (10)	17/08/03	11:39:10	11:52:06	00:10:08	-----	302-	66-	111-	20205
S1 (116)	17/08/03	11:42:13	11:53:06	00:01:00	-----	306-	24-	70-	16348
B2 (14)	17/08/03	11:45:47	11:58:04	00:04:57	-----	295-	31-	72-	99156
T2 (110)	17/08/03	11:55:07	12:03:22	00:05:17	-----	172-	13-	88-	16312
A2 (06)	17/08/03	11:55:11	12:08:13	00:04:51	-----	301-	80-	118-	2703
B1 (13)	17/08/03	12:02:01	12:14:22	00:06:09	-----	297-	31-	75-	99069
A1 (05)	17/08/03	12:03:10	12:16:12	00:01:49	-----	301-	86-	121-	2612
S2 (113)	17/08/03	12:07:56	12:19:04	00:02:52	-----	308-	26-	78-	16436
B6 (18)	17/08/03	12:17:20	12:29:51	00:10:46	-----	300-	34-	82-	99157
A3 (07)	17/08/03	12:19:22	12:32:21	00:02:30	-----	299-	78-	127-	2704
C3 (23)	17/08/03	12:25:10	12:36:14	00:03:53	-----	192-	22-	76-	98513
T4 (114)	17/08/03	12:27:25	12:37:57	00:01:42	-----	190-	23-	73-	16315
B7 (19)	17/08/03	12:32:00	12:44:37	00:06:39	-----	302-	36-	86-	99157
S3 (112)	17/08/03	12:34:19	12:45:48	00:01:11	-----	310-	30-	86-	16431
A4 (08)	17/08/03	12:34:33	12:47:21	00:01:32	-----	297-	60-	135-	2704
C1 (21)	17/08/03	12:36:57	12:48:40	00:01:19	-----	199-	27-	72-	98471
A8 (12)	17/08/03	12:45:52	12:58:32	00:09:51	-----	295-	52-	139-	2685
B8 (20)	17/08/03	12:48:34	13:01:19	00:02:46	-----	302-	40-	91-	99168
A5 (09)	17/08/03	12:58:53	13:11:22	00:10:03	-----	293-	44-	144-	2704
S4 (119)	17/08/03	13:00:17	13:12:07	00:00:44	-----	310-	37-	95-	16348

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
C7 (27)	17/08/03	13:00:34	13:12:58	00:00:51	-----	208-	37-	68-	98510
B4 (16)	17/08/03	13:01:55	13:14:44	00:01:45	-----	303-	42-	93-	99157
T1 (118)	17/08/03	13:01:56	13:13:45	00:00:05	-----	210-	42-	64-	16229
A7 (11)	17/08/03	13:11:00	13:23:09	00:09:24	-----	291-	36-	150-	2704
B3 (15)	17/08/03	13:15:54	13:28:50	00:05:40	-----	303-	46-	97-	99157
T3 (105)	17/08/03	13:22:15	13:30:43	00:01:52	-----	171-	13-	88-	15477
A6 (10)	17/08/03	13:24:39	13:36:30	00:05:47	-----	288-	31-	156-	20206
S1 (116)	17/08/03	13:26:13	13:38:23	00:01:52	-----	308-	49-	106-	16349
B2 (14)	17/08/03	13:31:50	13:44:55	00:06:31	-----	303-	52-	103-	99157
T2 (110)	17/08/03	13:36:12	13:48:31	00:03:36	-----	227-	73-	58-	16313
A2 (06)	17/08/03	13:40:53	13:52:04	00:03:32	-----	284-	24-	164-	2704
B1 (13)	17/08/03	13:47:58	14:01:09	00:09:05	-----	303-	60-	108-	99070
A1 (05)	17/08/03	13:49:00	13:59:48	00:01:02	-----	282-	21-	168-	2613
S2 (113)	17/08/03	13:51:46	14:04:07	00:04:19	-----	306-	68-	116-	16437
B6 (18)	17/08/03	14:03:07	14:16:25	00:12:18	-----	301-	79-	117-	99158
A3 (07)	17/08/03	14:05:33	14:15:20	00:01:05	-----	276-	16-	178-	2705
C3 (23)	17/08/03	14:09:15	14:22:32	00:07:12	-----	239-	86-	59-	98514
T4 (114)	17/08/03	14:09:54	14:22:17	00:00:01	-----	242-	72-	54-	16316
B7 (19)	17/08/03	14:17:44	14:31:02	00:08:44	-----	300-	89-	123-	99158
S3 (112)	17/08/03	14:18:04	14:30:28	00:00:03	-----	303-	86-	127-	16432
A4 (08)	17/08/03	14:21:21	14:29:24	00:01:03	-----	268-	11-	192-	2705
C1 (21)	17/08/03	14:21:29	14:34:45	00:05:20	-----	245-	74-	58-	98472
A8 (12)	17/08/03	14:33:10	14:39:55	00:05:10	-----	261-	9-	200-	2686
B8 (20)	17/08/03	14:34:16	14:47:30	00:07:34	-----	299-	74-	129-	99169
S4 (119)	17/08/03	14:44:04	14:56:16	00:08:46	-----	300-	59-	138-	16349
T1 (118)	17/08/03	14:45:34	14:57:38	00:01:21	-----	257-	45-	52-	16230
C7 (27)	17/08/03	14:45:41	14:58:50	00:01:11	-----	253-	60-	58-	98511
A5 (09)	17/08/03	14:46:58	14:51:49	00:07:00	-----	251-	7-	213-	2705
B4 (16)	17/08/03	14:47:37	15:00:48	00:08:58	-----	298-	68-	132-	99158
B3 (15)	17/08/03	15:01:36	15:14:40	00:13:03	00:00:48	296-	57-	137-	99158
T3 (105)	17/08/03	15:04:03	15:16:47	00:02:07	-----	226-	70-	58-	15478
S1 (116)	17/08/03	15:10:10	15:21:50	00:05:02	-----	294-	37-	152-	16350
B2 (14)	17/08/03	15:17:36	15:30:23	00:08:32	-----	293-	45-	144-	99158
T2 (110)	17/08/03	15:20:38	15:32:16	00:01:53	-----	270-	33-	51-	16314
G2 (04)	17/08/03	15:27:33	15:31:12	00:01:04	-----	81-	6-	116-	1316
B1 (13)	17/08/03	15:33:49	15:46:17	00:12:27	00:02:37	291-	36-	151-	99071
S2 (113)	17/08/03	15:36:00	15:46:48	00:00:31	-----	287-	25-	165-	16438
B6 (18)	17/08/03	15:49:16	16:00:47	00:11:31	00:02:27	285-	25-	163-	99159
T4 (114)	17/08/03	15:54:53	16:06:05	00:05:17	-----	282-	27-	52-	16317
C3 (23)	17/08/03	15:55:44	16:08:18	00:02:13	-----	277-	35-	59-	98515
S3 (112)	17/08/03	16:02:52	16:12:06	00:03:47	-----	278-	16-	181-	16433
B7 (19)	17/08/03	16:04:06	16:14:55	00:02:48	-----	281-	20-	171-	99159
C1 (21)	17/08/03	16:08:07	16:20:34	00:05:39	-----	281-	33-	61-	98473
B8 (20)	17/08/03	16:21:01	16:30:46	00:09:45	00:00:26	275-	16-	180-	99170
S4 (119)	17/08/03	16:29:49	16:36:32	00:05:46	-----	265-	9-	201-	16350
T1 (118)	17/08/03	16:30:54	16:41:42	00:05:09	-----	293-	23-	56-	16231
C7 (27)	17/08/03	16:32:28	16:44:47	00:03:05	-----	286-	31-	63-	98512
B4 (16)	17/08/03	16:34:34	16:43:44	00:01:03	-----	272-	14-	184-	99159
B3 (15)	17/08/03	16:49:03	16:56:54	00:07:50	00:05:19	266-	11-	194-	99159
T3 (105)	17/08/03	16:49:17	17:01:25	00:04:30	-----	269-	35-	52-	15479

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
G2 (04)	17/08/03	17:02:20	17:14:36	00:12:16	00:00:55	28-	72-	199-	1317
T2 (110)	17/08/03	17:06:00	17:16:42	00:02:06	-----	301-	22-	62-	16315
B2 (14)	17/08/03	17:06:05	17:11:19	00:05:02	-----	253-	7-	210-	99159
K6 (106)	17/08/03	17:32:17	17:38:17	00:06:00	00:20:58	158-	8-	101-	16242
T4 (114)	17/08/03	17:40:03	17:50:54	00:10:51	00:01:45	306-	23-	70-	16318
C3 (23)	17/08/03	17:42:28	17:54:53	00:03:58	-----	299-	32-	78-	98516
C1 (21)	17/08/03	17:54:45	18:07:15	00:12:21	-----	300-	34-	82-	98474
K3 (103)	17/08/03	17:57:14	18:06:09	00:01:05	-----	177-	15-	83-	15344
T1 (118)	17/08/03	18:15:38	18:26:55	00:11:16	00:09:29	309-	28-	81-	16232
C7 (27)	17/08/03	18:18:55	18:31:36	00:04:41	-----	302-	38-	88-	98513
K9 (109)	17/08/03	18:23:13	18:34:00	00:02:23	-----	193-	25-	71-	15344
T3 (105)	17/08/03	18:35:30	18:46:42	00:11:11	00:01:30	300-	23-	63-	15480
G2 (04)	17/08/03	18:41:52	18:50:54	00:04:11	-----	357-	16-	260-	1318
K7 (107)	17/08/03	18:47:38	18:59:15	00:08:20	-----	206-	36-	65-	15344
K4 (104)	17/08/03	18:48:15	18:59:26	00:00:11	-----	200-	30-	68-	15516
T2 (110)	17/08/03	18:50:19	19:02:04	00:02:37	-----	310-	35-	93-	16316
K6 (106)	17/08/03	19:12:10	19:24:19	00:12:08	00:10:06	219-	55-	61-	16243
T4 (114)	17/08/03	19:24:03	19:36:11	00:11:52	-----	308-	48-	106-	16319
C3 (23)	17/08/03	19:28:20	19:41:36	00:05:24	-----	302-	68-	112-	98517
K3 (103)	17/08/03	19:38:41	19:51:03	00:09:27	-----	231-	81-	57-	15345
C1 (21)	17/08/03	19:40:32	19:53:50	00:02:46	-----	301-	79-	117-	98475
T1 (118)	17/08/03	19:59:25	20:11:49	00:12:23	00:05:35	305-	78-	121-	16233
C7 (27)	17/08/03	20:04:38	20:17:55	00:06:05	-----	300-	82-	126-	98514
K9 (109)	17/08/03	20:05:53	20:18:14	00:00:19	-----	244-	67-	54-	15345
T3 (105)	17/08/03	20:20:44	20:32:56	00:12:11	00:02:30	309-	36-	94-	15481
K7 (107)	17/08/03	20:31:02	20:43:12	00:10:15	-----	254-	50-	52-	15345
K4 (104)	17/08/03	20:31:25	20:43:36	00:00:24	-----	249-	57-	53-	15517
T2 (110)	17/08/03	20:34:05	20:46:22	00:02:45	-----	301-	65-	136-	16317
K6 (106)	17/08/03	20:56:14	21:08:06	00:11:52	00:09:51	263-	39-	51-	16244
T4 (114)	17/08/03	21:07:59	21:19:41	00:11:34	-----	294-	38-	151-	16320
C3 (23)	17/08/03	21:14:18	21:26:25	00:06:43	-----	288-	31-	156-	98518
K3 (103)	17/08/03	21:23:17	21:34:48	00:08:23	-----	273-	31-	51-	15346
C1 (21)	17/08/03	21:26:40	21:38:12	00:03:24	-----	285-	25-	163-	98476
T1 (118)	17/08/03	21:43:51	21:54:08	00:10:17	00:05:38	284-	21-	171-	16234
K9 (109)	17/08/03	21:50:56	22:02:04	00:07:55	-----	283-	26-	52-	15346
C7 (27)	17/08/03	21:51:10	22:01:34	00:00:02	-----	278-	18-	175-	98515
T3 (105)	17/08/03	22:05:22	22:18:05	00:12:43	00:03:48	301-	66-	136-	15482
K7 (107)	17/08/03	22:16:18	22:27:11	00:09:05	-----	291-	24-	55-	15346
K4 (104)	17/08/03	22:16:42	22:27:35	00:00:24	-----	287-	24-	53-	15518
T2 (110)	17/08/03	22:19:32	22:27:02	00:00:03	-----	269-	11-	195-	16318
K6 (106)	17/08/03	22:41:36	22:52:19	00:10:43	00:14:33	297-	22-	58-	16245
K3 (103)	17/08/03	23:08:36	23:19:19	00:10:42	00:16:16	302-	22-	63-	15347
D8 (36)	17/08/03	23:17:15	23:25:01	00:05:42	-----	167-	11-	95-	92202
K9 (109)	17/08/03	23:36:03	23:46:56	00:10:53	00:11:02	306-	24-	71-	15347
D3 (31)	17/08/03	23:37:16	23:48:47	00:01:50	-----	194-	25-	74-	92159
T3 (105)	17/08/03	23:51:38	23:59:34	00:07:56	00:02:50	270-	11-	193-	15483
D2 (30)	17/08/03	23:57:16	00:08:53	00:09:18	-----	196-	26-	73-	92247
D4 (32)	17/08/03	23:58:02	00:10:26	00:01:32	-----	207-	36-	68-	92246
K7 (107)	17/08/04	00:01:09	00:12:18	00:01:52	-----	309-	26-	78-	15347
K4 (104)	17/08/04	00:01:46	00:12:42	00:00:23	-----	308-	25-	75-	15519

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
D6 (34)	17/08/04	00:21:08	00:33:09	00:12:01	00:08:26	201-	30-	70-	92250
K6 (106)	17/08/04	00:26:09	00:37:38	00:04:28	-----	310-	30-	87-	16246
D7 (35)	17/08/04	00:39:01	00:51:31	00:12:30	00:01:23	209-	38-	67-	92247
K3 (103)	17/08/04	00:52:51	01:04:41	00:11:49	00:01:20	310-	37-	96-	15348
D8 (36)	17/08/04	00:59:27	01:12:29	00:07:48	-----	222-	57-	64-	92203
K9 (109)	17/08/04	01:20:01	01:32:11	00:12:10	00:07:32	308-	51-	108-	15348
D3 (31)	17/08/04	01:21:38	01:34:55	00:02:43	-----	243-	78-	59-	92160
D2 (30)	17/08/04	01:41:43	01:54:59	00:13:15	00:06:48	244-	76-	59-	92248
D4 (32)	17/08/04	01:43:08	01:56:20	00:01:21	-----	252-	61-	58-	92247
K7 (107)	17/08/04	01:44:59	01:57:19	00:00:58	-----	306-	69-	117-	15348
K4 (104)	17/08/04	01:45:44	01:57:57	00:00:38	-----	307-	60-	113-	15520
D6 (34)	17/08/04	02:05:54	02:19:08	00:13:13	00:07:56	248-	68-	58-	92251
K6 (106)	17/08/04	02:09:54	02:22:16	00:03:08	-----	303-	85-	128-	16247
D7 (35)	17/08/04	02:24:12	02:37:21	00:13:09	00:01:55	254-	58-	57-	92248
K3 (103)	17/08/04	02:36:38	02:48:49	00:11:27	-----	299-	58-	139-	15349
G2 (04)	17/08/04	02:39:02	02:50:50	00:02:01	-----	125-	34-	351-	1323
D8 (36)	17/08/04	02:45:16	02:58:12	00:07:21	-----	263-	46-	57-	92204
K9 (109)	17/08/04	03:04:00	03:15:34	00:11:35	00:05:47	293-	35-	154-	15349
D3 (31)	17/08/04	03:08:14	03:20:42	00:05:07	-----	279-	34-	60-	92161
A8 (12)	17/08/04	03:21:38	03:27:12	00:05:33	00:00:56	157-	8-	103-	2694
D2 (30)	17/08/04	03:28:21	03:40:47	00:12:26	00:01:08	280-	33-	60-	92249
K7 (107)	17/08/04	03:29:15	03:39:56	00:00:05	-----	287-	24-	166-	15349
K4 (104)	17/08/04	03:29:55	03:41:03	00:01:07	-----	290-	29-	160-	15521
D4 (32)	17/08/04	03:29:58	03:42:18	00:01:15	-----	286-	31-	63-	92248
A5 (09)	17/08/04	03:33:37	03:40:54	00:01:02	-----	165-	10-	97-	2713
A7 (11)	17/08/04	03:44:44	03:53:32	00:08:47	00:03:50	175-	13-	88-	2713
D6 (34)	17/08/04	03:52:37	04:05:00	00:11:27	-----	283-	32-	62-	92252
K6 (106)	17/08/04	03:54:43	04:03:54	00:01:05	-----	278-	16-	182-	16248
A6 (10)	17/08/04	03:57:44	04:07:26	00:03:31	-----	181-	16-	83-	20215
D7 (35)	17/08/04	04:11:01	04:23:19	00:12:18	00:03:35	287-	31-	64-	92249
A2 (06)	17/08/04	04:13:03	04:23:51	00:00:31	-----	191-	21-	77-	2713
G2 (04)	17/08/04	04:17:24	04:29:14	00:05:23	-----	184-	32-	320-	1324
A1 (05)	17/08/04	04:20:47	04:31:57	00:02:42	-----	195-	24-	75-	2622
K3 (103)	17/08/04	04:22:28	04:28:59	00:02:05	-----	263-	9-	202-	15350
D8 (36)	17/08/04	04:32:09	04:44:24	00:12:15	00:03:09	293-	30-	68-	92205
A3 (07)	17/08/04	04:36:33	04:48:21	00:03:57	-----	201-	30-	71-	2714
A4 (08)	17/08/04	04:51:15	05:03:39	00:12:23	00:02:53	211-	40-	67-	2714
D3 (31)	17/08/04	04:54:54	05:07:20	00:03:41	-----	300-	33-	80-	92162
A8 (12)	17/08/04	05:02:23	05:15:00	00:07:39	-----	217-	46-	66-	2695
D2 (30)	17/08/04	05:15:00	05:27:26	00:12:26	-----	300-	34-	81-	92250
A5 (09)	17/08/04	05:15:14	05:28:01	00:00:34	-----	222-	54-	64-	2714
D4 (32)	17/08/04	05:16:30	05:29:08	00:01:06	-----	302-	37-	87-	92249
A7 (11)	17/08/04	05:27:08	05:40:04	00:10:56	-----	227-	66-	62-	2714
S1 (116)	17/08/04	05:34:10	05:42:24	00:02:20	-----	172-	13-	88-	16359
D6 (34)	17/08/04	05:39:11	05:51:43	00:09:18	-----	301-	35-	84-	92253
A6 (10)	17/08/04	05:40:38	05:53:39	00:01:55	-----	232-	76-	61-	20216
B3 (15)	17/08/04	05:41:24	05:47:00	00:06:03	-----	157-	8-	102-	99167
B2 (14)	17/08/04	05:55:51	06:03:57	00:08:05	00:08:51	169-	11-	93-	99167
A2 (06)	17/08/04	05:56:38	06:09:41	00:05:44	-----	239-	87-	59-	2714
D7 (35)	17/08/04	05:57:27	06:10:08	00:00:26	-----	302-	38-	89-	92250

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
S2 (113)	17/08/04	05:58:32	06:08:41	00:01:02	-----	188-	20-	75-	16447
A1 (05)	17/08/04	06:04:37	06:17:40	00:08:59	-----	242-	80-	59-	2623
B1 (13)	17/08/04	06:11:09	06:20:37	00:02:57	-----	178-	15-	85-	99080
D8 (36)	17/08/04	06:18:20	06:31:17	00:10:39	-----	303-	46-	97-	92206
A3 (07)	17/08/04	06:20:52	06:33:52	00:02:35	-----	248-	67-	58-	2715
S3 (112)	17/08/04	06:24:05	06:35:23	00:01:30	-----	200-	31-	68-	16442
B6 (18)	17/08/04	06:25:14	06:36:23	00:01:00	-----	193-	22-	76-	99168
A4 (08)	17/08/04	06:36:04	06:49:00	00:12:35	-----	255-	55-	57-	2715
B7 (19)	17/08/04	06:39:25	06:51:11	00:02:12	-----	198-	28-	72-	99168
D3 (31)	17/08/04	06:40:43	06:53:58	00:02:46	-----	302-	74-	115-	92163
A8 (12)	17/08/04	06:47:28	07:00:16	00:06:18	-----	259-	50-	57-	2696
S4 (119)	17/08/04	06:49:34	07:01:31	00:01:15	-----	213-	46-	63-	16359
B8 (20)	17/08/04	06:55:34	07:07:52	00:06:20	-----	206-	35-	69-	99179
A5 (09)	17/08/04	07:00:33	07:13:15	00:05:23	-----	263-	46-	57-	2715
D2 (30)	17/08/04	07:00:48	07:14:02	00:00:47	-----	302-	77-	116-	92251
D4 (32)	17/08/04	07:02:16	07:15:31	00:01:28	-----	300-	85-	125-	92250
B4 (16)	17/08/04	07:08:46	07:21:15	00:05:44	-----	209-	39-	67-	99168
A7 (11)	17/08/04	07:12:43	07:25:17	00:04:02	-----	267-	41-	57-	2715
S1 (116)	17/08/04	07:15:14	07:27:34	00:02:17	-----	227-	72-	58-	16360
B3 (15)	17/08/04	07:22:31	07:35:18	00:07:43	-----	217-	46-	66-	99168
D6 (34)	17/08/04	07:24:57	07:38:13	00:02:54	-----	301-	85-	120-	92254
A6 (10)	17/08/04	07:26:24	07:38:52	00:00:39	-----	271-	38-	58-	20217
B2 (14)	17/08/04	07:38:14	07:51:18	00:12:25	-----	224-	59-	63-	99168
S2 (113)	17/08/04	07:40:45	07:53:09	00:01:51	-----	238-	80-	55-	16448
A2 (06)	17/08/04	07:42:38	07:54:58	00:01:48	-----	276-	35-	59-	2715
D7 (35)	17/08/04	07:43:10	07:56:24	00:01:26	-----	299-	80-	126-	92251
A1 (05)	17/08/04	07:50:42	08:02:58	00:06:33	-----	279-	34-	60-	2624
B1 (13)	17/08/04	07:54:16	08:07:27	00:04:29	-----	230-	71-	62-	99081
D8 (36)	17/08/04	08:04:03	08:17:05	00:09:37	-----	296-	56-	138-	92207
A3 (07)	17/08/04	08:07:06	08:19:14	00:02:09	-----	283-	32-	61-	2716
S3 (112)	17/08/04	08:07:10	08:19:27	00:00:12	-----	249-	57-	53-	16443
B6 (18)	17/08/04	08:09:22	08:22:38	00:03:11	-----	240-	85-	59-	99169
A4 (08)	17/08/04	08:22:26	08:34:29	00:11:51	-----	288-	30-	64-	2716
B7 (19)	17/08/04	08:24:00	08:37:15	00:02:45	-----	245-	73-	58-	99169
D3 (31)	17/08/04	08:26:48	08:38:31	00:01:15	-----	286-	27-	161-	92164
S4 (119)	17/08/04	08:33:21	08:45:22	00:06:51	-----	259-	43-	51-	16360
A8 (12)	17/08/04	08:33:52	08:45:52	00:00:29	-----	290-	30-	65-	2697
B8 (20)	17/08/04	08:40:34	08:53:45	00:07:53	-----	251-	62-	58-	99180
D2 (30)	17/08/04	08:46:54	08:58:29	00:04:43	-----	285-	26-	162-	92252
A5 (09)	17/08/04	08:46:58	08:58:56	00:00:26	-----	292-	30-	67-	2716
D4 (32)	17/08/04	08:48:47	08:59:17	00:00:21	-----	279-	19-	173-	92251
B4 (16)	17/08/04	08:53:58	09:07:05	00:07:48	-----	254-	58-	58-	99169
A7 (11)	17/08/04	08:59:07	09:11:06	00:04:00	-----	295-	30-	70-	2716
S1 (116)	17/08/04	08:59:40	09:11:19	00:00:13	-----	270-	33-	51-	16361
B3 (15)	17/08/04	09:08:02	09:21:03	00:09:44	-----	259-	51-	57-	99169
D6 (34)	17/08/04	09:11:13	09:22:18	00:01:14	-----	283-	22-	168-	92255
A6 (10)	17/08/04	09:12:46	09:24:46	00:02:28	-----	297-	30-	73-	20218
B2 (14)	17/08/04	09:24:06	09:37:00	00:12:13	-----	264-	45-	58-	99169
S2 (113)	17/08/04	09:25:37	09:36:56	00:00:04	-----	279-	28-	52-	16449
A2 (06)	17/08/04	09:28:55	09:41:01	00:04:05	-----	299-	31-	77-	2716

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
D7 (35)	17/08/04	09:29:45	09:39:55	00:01:05	-----	278-	17-	177-	92252
A1 (05)	17/08/04	09:36:56	09:49:05	00:09:09	-----	300-	32-	79-	2625
B1 (13)	17/08/04	09:40:23	09:53:09	00:04:04	-----	269-	40-	58-	99082
D8 (36)	17/08/04	09:51:33	09:59:15	00:06:05	-----	265-	10-	195-	92208
S3 (112)	17/08/04	09:52:21	10:03:21	00:04:06	-----	287-	25-	54-	16444
A3 (07)	17/08/04	09:53:13	10:05:29	00:02:07	-----	301-	34-	83-	2717
B6 (18)	17/08/04	09:55:52	10:08:24	00:02:55	-----	277-	35-	60-	99170
A4 (08)	17/08/04	10:08:23	10:20:49	00:12:25	-----	303-	38-	89-	2717
B7 (19)	17/08/04	10:10:38	10:23:04	00:02:14	-----	281-	33-	61-	99170
S4 (119)	17/08/04	10:18:42	10:29:29	00:06:25	-----	294-	23-	57-	16361
A8 (12)	17/08/04	10:19:42	10:32:14	00:02:44	-----	303-	41-	92-	2698
B8 (20)	17/08/04	10:27:20	10:39:40	00:07:26	-----	285-	32-	63-	99181
A5 (09)	17/08/04	10:32:42	10:45:19	00:05:38	-----	303-	44-	96-	2717
B4 (16)	17/08/04	10:40:46	10:53:04	00:07:44	-----	287-	31-	64-	99170
A7 (11)	17/08/04	10:44:44	10:57:28	00:04:24	-----	303-	49-	101-	2717
S1 (116)	17/08/04	10:45:02	10:55:45	00:01:04	-----	301-	22-	62-	16362
B3 (15)	17/08/04	10:54:52	11:07:08	00:11:23	-----	290-	31-	66-	99170
A6 (10)	17/08/04	10:58:18	11:11:08	00:03:59	-----	303-	54-	105-	20219
S2 (113)	17/08/04	11:10:50	11:21:39	00:10:31	-----	305-	23-	68-	16450
B2 (14)	17/08/04	11:10:58	11:23:13	00:01:34	-----	293-	30-	69-	99170
A2 (06)	17/08/04	11:14:19	11:27:17	00:04:03	-----	302-	65-	111-	2717
A1 (05)	17/08/04	11:22:17	11:35:17	00:08:00	-----	302-	71-	114-	2626
B1 (13)	17/08/04	11:27:13	11:39:31	00:04:13	-----	296-	31-	72-	99083
T4 (114)	17/08/04	11:32:05	11:40:10	00:00:38	-----	170-	12-	89-	16329
S3 (112)	17/08/04	11:37:20	11:48:22	00:08:12	-----	308-	25-	75-	16445
A3 (07)	17/08/04	11:38:30	11:51:31	00:03:08	-----	301-	84-	120-	2718
B6 (18)	17/08/04	11:42:34	11:55:00	00:03:28	-----	299-	33-	78-	99171
C3 (23)	17/08/04	11:51:04	12:01:24	00:06:25	-----	185-	18-	80-	98527
A4 (08)	17/08/04	11:53:37	12:06:35	00:05:10	-----	299-	77-	127-	2718
B7 (19)	17/08/04	11:57:15	12:09:45	00:03:10	-----	301-	34-	82-	99171
C1 (21)	17/08/04	12:02:39	12:13:48	00:04:02	-----	193-	22-	76-	98485
S4 (119)	17/08/04	12:03:23	12:14:44	00:00:55	-----	309-	29-	83-	16362
A8 (12)	17/08/04	12:04:56	12:17:50	00:03:05	-----	298-	68-	132-	2699
T1 (118)	17/08/04	12:05:52	12:16:31	00:01:01	-----	191-	24-	72-	16243
B8 (20)	17/08/04	12:13:49	12:26:27	00:09:55	-----	302-	37-	87-	99182
A5 (09)	17/08/04	12:17:57	12:30:43	00:04:16	-----	296-	58-	136-	2718
C7 (27)	17/08/04	12:26:10	12:38:12	00:07:29	-----	202-	31-	70-	98524
B4 (16)	17/08/04	12:27:11	12:39:53	00:01:41	-----	302-	38-	89-	99171
S1 (116)	17/08/04	12:29:22	12:41:07	00:01:13	-----	310-	35-	93-	16363
A7 (11)	17/08/04	12:30:01	12:42:35	00:01:28	-----	294-	48-	142-	2718
T3 (105)	17/08/04	12:38:45	12:43:50	00:01:14	-----	149-	7-	101-	15491
T2 (110)	17/08/04	12:39:42	12:51:30	00:07:40	-----	210-	42-	64-	16327
B3 (15)	17/08/04	12:41:11	12:54:00	00:02:29	-----	303-	42-	93-	99171
A6 (10)	17/08/04	12:43:38	12:56:00	00:01:59	-----	292-	41-	147-	20220
S2 (113)	17/08/04	12:54:55	13:06:59	00:11:00	-----	309-	45-	103-	16451
B2 (14)	17/08/04	12:57:07	13:10:06	00:03:06	-----	303-	47-	99-	99171
A2 (06)	17/08/04	12:59:48	13:11:42	00:01:36	-----	289-	31-	155-	2718
A1 (05)	17/08/04	13:07:51	13:19:30	00:07:47	-----	287-	28-	159-	2627
T4 (114)	17/08/04	13:13:04	13:25:23	00:05:53	-----	227-	71-	58-	16330
B1 (13)	17/08/04	13:13:15	13:26:21	00:00:58	-----	303-	53-	103-	99084

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
S3 (112)	17/08/04	13:21:13	13:33:31	00:07:09	-----	307-	60-	113-	16446
A3 (07)	17/08/04	13:24:17	13:35:11	00:01:40	-----	282-	22-	167-	2719
B6 (18)	17/08/04	13:28:25	13:41:41	00:06:29	-----	302-	69-	113-	99172
C3 (23)	17/08/04	13:34:41	13:47:57	00:06:15	-----	234-	82-	60-	98528
A4 (08)	17/08/04	13:39:49	13:49:32	00:01:34	-----	276-	16-	179-	2719
B7 (19)	17/08/04	13:43:01	13:56:19	00:06:47	-----	301-	80-	118-	99172
C1 (21)	17/08/04	13:46:47	14:00:03	00:03:44	-----	240-	85-	59-	98486
S4 (119)	17/08/04	13:47:09	13:59:33	00:00:03	-----	305-	84-	123-	16363
T1 (118)	17/08/04	13:48:27	14:00:48	00:01:14	-----	243-	69-	54-	16244
A8 (12)	17/08/04	13:51:26	14:00:18	00:00:02	-----	272-	13-	186-	2700
B8 (20)	17/08/04	13:59:32	14:12:49	00:12:30	-----	300-	86-	124-	99183
A5 (09)	17/08/04	14:04:52	14:12:36	00:00:01	-----	266-	11-	194-	2719
C7 (27)	17/08/04	14:10:57	14:24:10	00:11:33	-----	248-	68-	58-	98525
B4 (16)	17/08/04	14:12:53	14:26:09	00:01:58	-----	299-	79-	127-	99172
S1 (116)	17/08/04	14:13:08	14:25:25	00:00:04	-----	301-	65-	136-	16364
A7 (11)	17/08/04	14:17:42	14:23:30	00:01:05	-----	256-	8-	207-	2719
T3 (105)	17/08/04	14:18:49	14:31:16	00:07:45	-----	216-	49-	62-	15492
T2 (110)	17/08/04	14:23:19	14:35:24	00:04:08	-----	257-	46-	52-	16328
B3 (15)	17/08/04	14:26:52	14:40:03	00:04:39	-----	298-	67-	132-	99172
S2 (113)	17/08/04	14:38:47	14:50:41	00:10:38	-----	296-	43-	147-	16452
B2 (14)	17/08/04	14:42:50	14:55:50	00:05:08	-----	295-	53-	139-	99172
T4 (114)	17/08/04	14:57:28	15:09:08	00:11:40	00:01:38	270-	34-	51-	16331
B1 (13)	17/08/04	14:59:02	15:11:47	00:02:38	-----	293-	44-	145-	99085
S3 (112)	17/08/04	15:05:20	15:16:30	00:04:43	-----	290-	28-	160-	16447
B6 (18)	17/08/04	15:14:24	15:26:26	00:09:55	-----	288-	30-	157-	99173
C3 (23)	17/08/04	15:21:00	15:33:41	00:07:14	-----	273-	38-	59-	98529
B7 (19)	17/08/04	15:29:11	15:40:39	00:06:58	-----	284-	24-	164-	99173
S4 (119)	17/08/04	15:31:42	15:41:37	00:00:58	-----	282-	19-	174-	16364
C1 (21)	17/08/04	15:33:17	15:45:49	00:04:11	-----	277-	35-	60-	98487
T1 (118)	17/08/04	15:33:28	15:44:37	00:01:01	-----	283-	26-	52-	16245
B8 (20)	17/08/04	15:45:59	15:56:36	00:10:37	00:01:21	280-	19-	172-	99184
C7 (27)	17/08/04	15:57:39	16:10:02	00:12:22	00:01:03	283-	32-	62-	98526
S1 (116)	17/08/04	15:58:35	16:06:06	00:03:05	-----	269-	11-	195-	16365
B4 (16)	17/08/04	15:59:29	16:09:39	00:03:32	-----	277-	17-	176-	99173
T3 (105)	17/08/04	16:03:32	16:15:57	00:06:17	-----	260-	43-	52-	15493
T2 (110)	17/08/04	16:08:38	16:19:27	00:03:30	-----	293-	23-	56-	16329
B3 (15)	17/08/04	16:13:50	16:22:56	00:03:28	-----	272-	14-	185-	99173
B2 (14)	17/08/04	16:30:30	16:37:47	00:07:17	00:07:33	263-	10-	198-	99173
G2 (04)	17/08/04	16:34:14	16:45:42	00:07:54	-----	38-	34-	178-	1331
T4 (114)	17/08/04	16:42:50	16:53:32	00:07:49	-----	300-	22-	61-	16332
B1 (13)	17/08/04	16:47:40	16:52:33	00:00:05	-----	251-	7-	213-	99086
C3 (23)	17/08/04	17:07:48	17:20:09	00:12:20	00:15:15	297-	31-	75-	98530
T1 (118)	17/08/04	17:18:36	17:29:29	00:09:19	-----	306-	24-	71-	16246
C1 (21)	17/08/04	17:20:00	17:32:24	00:02:55	-----	299-	33-	78-	98488
K9 (109)	17/08/04	17:27:47	17:36:17	00:03:53	-----	174-	13-	85-	15358
C7 (27)	17/08/04	17:44:13	17:56:46	00:12:33	00:07:55	301-	35-	84-	98527
T3 (105)	17/08/04	17:49:44	18:01:00	00:04:12	-----	294-	24-	58-	15494
K7 (107)	17/08/04	17:51:42	18:01:55	00:00:55	-----	186-	21-	75-	15358
T2 (110)	17/08/04	17:53:24	18:04:39	00:02:44	-----	309-	27-	81-	16330
K4 (104)	17/08/04	17:53:50	18:03:23	00:01:01	-----	183-	17-	79-	15530

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max El	LOS Az	Orbit num.
G2 (04)	17/08/04	18:12:48	18:23:50	00:11:01	00:09:25	8-	29-	239-	1332
K6 (106)	17/08/04	18:15:54	18:27:12	00:03:22	-----	201-	31-	68-	16257
T4 (114)	17/08/04	18:27:12	18:38:54	00:11:41	-----	310-	35-	92-	16333
K3 (103)	17/08/04	18:42:06	18:54:05	00:11:58	00:03:12	214-	47-	62-	15359
C3 (23)	17/08/04	18:53:45	19:06:57	00:12:52	-----	303-	60-	108-	98531
T1 (118)	17/08/04	19:02:35	19:14:45	00:07:47	-----	308-	50-	107-	16247
C1 (21)	17/08/04	19:05:51	19:19:06	00:04:20	-----	302-	69-	113-	98489
K9 (109)	17/08/04	19:09:02	19:21:22	00:02:16	-----	229-	76-	58-	15359
C7 (27)	17/08/04	19:29:58	19:43:15	00:13:17	00:08:35	301-	86-	121-	98528
K7 (107)	17/08/04	19:33:58	19:46:21	00:03:05	-----	239-	78-	55-	15359
T3 (105)	17/08/04	19:35:15	19:47:08	00:00:46	-----	309-	31-	85-	15495
K4 (104)	17/08/04	19:35:48	19:48:07	00:01:00	-----	235-	89-	56-	15531
T2 (110)	17/08/04	19:37:11	19:49:34	00:01:26	-----	305-	77-	121-	16331
K6 (106)	17/08/04	19:59:00	20:11:16	00:12:15	00:09:26	250-	56-	53-	16258
T4 (114)	17/08/04	20:10:57	20:23:14	00:11:58	-----	301-	67-	135-	16334
K3 (103)	17/08/04	20:25:56	20:37:55	00:11:59	00:02:41	260-	42-	51-	15360
C3 (23)	17/08/04	20:39:37	20:52:06	00:12:28	00:01:42	291-	37-	150-	98532
T1 (118)	17/08/04	20:46:32	20:58:11	00:06:04	-----	294-	37-	152-	16248
C1 (21)	17/08/04	20:51:49	21:03:51	00:05:40	-----	288-	30-	157-	98490
K9 (109)	17/08/04	20:53:32	21:05:07	00:01:15	-----	271-	32-	51-	15360
C7 (27)	17/08/04	21:16:15	21:27:20	00:11:05	00:11:07	282-	22-	167-	98529
K7 (107)	17/08/04	21:18:52	21:30:08	00:02:47	-----	280-	28-	52-	15360
T3 (105)	17/08/04	21:19:53	21:32:43	00:02:35	-----	304-	90-	126-	15496
K4 (104)	17/08/04	21:20:39	21:31:58	00:00:04	-----	276-	29-	51-	15532
T2 (110)	17/08/04	21:21:36	21:31:54	00:00:03	-----	284-	21-	171-	16332
K6 (106)	17/08/04	21:44:12	21:55:10	00:10:57	00:12:17	288-	24-	54-	16259
T4 (114)	17/08/04	21:56:19	22:04:01	00:07:41	00:01:09	270-	11-	194-	16335
K3 (103)	17/08/04	22:11:17	22:22:02	00:10:45	00:07:15	295-	23-	57-	15361
K9 (109)	17/08/04	22:38:52	22:49:34	00:10:42	00:16:50	301-	22-	62-	15361
D8 (36)	17/08/04	22:43:42	22:49:37	00:00:02	-----	158-	8-	101-	92216
D3 (31)	17/08/04	23:03:01	23:13:57	00:10:55	00:13:24	190-	21-	77-	92173
K7 (107)	17/08/04	23:04:04	23:14:52	00:00:55	-----	305-	23-	68-	15361
T3 (105)	17/08/04	23:05:23	23:15:26	00:00:33	-----	281-	18-	177-	15497
K4 (104)	17/08/04	23:06:01	23:16:41	00:01:14	-----	304-	22-	65-	15533
D2 (30)	17/08/04	23:23:00	23:34:04	00:11:03	00:06:19	192-	22-	76-	92261
D4 (32)	17/08/04	23:24:12	23:36:13	00:02:09	-----	201-	30-	71-	92260
K6 (106)	17/08/04	23:29:10	23:40:12	00:03:58	-----	308-	25-	75-	16260
D6 (34)	17/08/04	23:46:51	23:58:23	00:11:32	00:06:39	195-	25-	73-	92264
K3 (103)	17/08/04	23:55:57	00:07:17	00:08:53	-----	309-	29-	83-	15362
D7 (35)	17/08/05	00:04:37	00:16:47	00:09:29	-----	203-	32-	70-	92261
K9 (109)	17/08/05	00:23:11	00:34:57	00:11:45	00:06:24	310-	36-	94-	15362
D8 (36)	17/08/05	00:24:58	00:37:48	00:02:51	-----	217-	47-	65-	92217
D3 (31)	17/08/05	00:47:00	01:00:17	00:13:17	00:09:11	238-	89-	60-	92174
K7 (107)	17/08/05	00:48:08	01:00:12	00:00:05	-----	309-	45-	103-	15362
K4 (104)	17/08/05	00:50:16	01:02:09	00:01:56	-----	309-	41-	99-	15534
D2 (30)	17/08/05	01:07:04	01:20:21	00:13:16	00:04:55	239-	86-	59-	92262
D4 (32)	17/08/05	01:08:59	01:22:15	00:01:53	-----	247-	69-	58-	92261
K6 (106)	17/08/05	01:13:03	01:25:20	00:03:05	-----	307-	61-	113-	16261
D6 (34)	17/08/05	01:31:15	01:44:31	00:13:15	00:05:55	243-	77-	59-	92265
K3 (103)	17/08/05	01:39:42	01:52:05	00:07:34	-----	304-	85-	124-	15363

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
D7 (35)	17/08/05	01:49:29	02:02:43	00:10:37	-----	249-	66-	58-	92262
K9 (109)	17/08/05	02:06:57	02:19:10	00:12:13	00:04:13	300-	62-	137-	15363
D8 (36)	17/08/05	02:10:31	02:23:33	00:04:22	-----	259-	50-	57-	92218
G2 (04)	17/08/05	02:11:50	02:21:52	00:01:04	-----	105-	18-	1-	1337
K7 (107)	17/08/05	02:32:01	02:43:51	00:11:50	00:10:08	296-	42-	148-	15363
D3 (31)	17/08/05	02:33:26	02:46:01	00:02:09	-----	276-	36-	59-	92175
K4 (104)	17/08/05	02:34:10	02:46:10	00:00:08	-----	298-	49-	143-	15535
D2 (30)	17/08/05	02:53:33	03:06:05	00:12:32	00:07:23	277-	35-	59-	92263
D4 (32)	17/08/05	02:55:43	03:08:08	00:02:02	-----	283-	33-	62-	92262
K6 (106)	17/08/05	02:57:10	03:08:16	00:00:08	-----	290-	28-	161-	16262
A7 (11)	17/08/05	03:05:09	03:11:46	00:03:29	-----	161-	9-	101-	2727
D6 (34)	17/08/05	03:17:51	03:30:18	00:12:27	00:06:04	280-	34-	60-	92266
A6 (10)	17/08/05	03:17:53	03:25:55	00:04:02	-----	169-	11-	93-	20229
K3 (103)	17/08/05	03:24:17	03:34:06	00:08:11	-----	281-	18-	176-	15364
A2 (06)	17/08/05	03:32:57	03:42:33	00:08:26	-----	181-	16-	83-	2727
D7 (35)	17/08/05	03:36:13	03:48:36	00:06:02	-----	284-	32-	62-	92263
A1 (05)	17/08/05	03:40:34	03:50:43	00:02:07	-----	185-	18-	80-	2636
G2 (04)	17/08/05	03:48:28	04:01:13	00:10:30	-----	164-	64-	331-	1338
K9 (109)	17/08/05	03:52:33	03:59:39	00:01:03	-----	266-	10-	198-	15364
A3 (07)	17/08/05	03:56:11	04:07:15	00:07:35	-----	194-	23-	75-	2728
D8 (36)	17/08/05	03:57:23	04:09:39	00:02:23	-----	290-	30-	66-	92219
A4 (08)	17/08/05	04:10:44	04:22:36	00:11:52	00:01:05	202-	30-	71-	2728
D3 (31)	17/08/05	04:20:12	04:32:33	00:09:56	-----	299-	32-	77-	92176
K4 (104)	17/08/05	04:20:45	04:25:37	00:06:05	-----	254-	7-	214-	15536
A8 (12)	17/08/05	04:21:50	04:34:00	00:08:23	-----	207-	35-	68-	2709
A5 (09)	17/08/05	04:34:37	04:47:03	00:12:25	00:00:37	212-	42-	67-	2728
D2 (30)	17/08/05	04:40:18	04:52:39	00:05:35	-----	299-	32-	78-	92264
D4 (32)	17/08/05	04:42:21	04:54:53	00:02:14	-----	301-	35-	84-	92263
A7 (11)	17/08/05	04:46:26	04:59:09	00:04:15	-----	220-	51-	65-	2728
A6 (10)	17/08/05	04:59:53	05:12:45	00:12:51	00:00:44	224-	59-	63-	20230
S2 (113)	17/08/05	05:03:28	05:10:40	00:02:04	-----	165-	10-	94-	16461
D6 (34)	17/08/05	05:04:31	05:16:57	00:06:16	-----	300-	33-	80-	92267
A2 (06)	17/08/05	05:15:48	05:28:49	00:11:51	-----	231-	75-	61-	2728
B2 (14)	17/08/05	05:22:08	05:28:34	00:00:01	-----	160-	9-	102-	99181
D7 (35)	17/08/05	05:22:46	05:35:20	00:06:46	-----	301-	36-	85-	92264
A1 (05)	17/08/05	05:23:44	05:36:47	00:01:26	-----	235-	82-	60-	2637
S3 (112)	17/08/05	05:28:20	05:37:55	00:01:08	-----	182-	17-	79-	16456
G2 (04)	17/08/05	05:32:27	05:35:29	00:02:02	-----	244-	6-	278-	1339
B1 (13)	17/08/05	05:37:10	05:45:25	00:08:14	00:01:41	170-	12-	91-	99094
A3 (07)	17/08/05	05:39:56	05:53:00	00:07:35	-----	241-	82-	59-	2729
D8 (36)	17/08/05	05:43:41	05:56:31	00:03:30	-----	303-	42-	93-	92220
B6 (18)	17/08/05	05:51:00	06:01:26	00:04:55	-----	186-	18-	79-	99182
S4 (119)	17/08/05	05:53:25	06:04:21	00:02:54	-----	195-	26-	70-	16373
A4 (08)	17/08/05	05:55:04	06:08:06	00:03:45	-----	248-	67-	58-	2729
B7 (19)	17/08/05	06:05:04	06:16:18	00:08:12	-----	194-	23-	75-	99182
D3 (31)	17/08/05	06:06:05	06:19:17	00:02:58	-----	302-	65-	111-	92177
A8 (12)	17/08/05	06:06:27	06:19:24	00:00:07	-----	252-	60-	57-	2710
S1 (116)	17/08/05	06:18:45	06:30:35	00:11:10	-----	210-	41-	64-	16374
A5 (09)	17/08/05	06:19:31	06:32:22	00:01:47	-----	256-	54-	57-	2729
B8 (20)	17/08/05	06:21:08	06:33:01	00:00:38	-----	199-	29-	71-	99193

Satellite	Date	AOS Time	LOS Time	Duration	Interval Between	AOS Az	Max EI	LOS Az	Orbit num.
D2 (30)	17/08/05	06:26:10	06:39:22	00:06:20	-----	302-	67-	112-	92265
D4 (32)	17/08/05	06:28:09	06:41:25	00:02:03	-----	301-	85-	120-	92264
A7 (11)	17/08/05	06:31:39	06:44:24	00:02:58	-----	261-	48-	57-	2729
B4 (16)	17/08/05	06:34:19	06:46:26	00:02:02	-----	203-	32-	70-	99182
S2 (113)	17/08/05	06:44:00	06:56:15	00:09:48	-----	223-	62-	60-	16462
A6 (10)	17/08/05	06:45:19	06:57:58	00:01:43	-----	265-	44-	57-	20231
B3 (15)	17/08/05	06:48:01	07:00:31	00:02:32	-----	210-	39-	67-	99182
D6 (34)	17/08/05	06:50:19	07:03:35	00:03:03	-----	302-	75-	116-	92268
A2 (06)	17/08/05	07:01:32	07:14:02	00:10:27	-----	271-	39-	58-	2729
B2 (14)	17/08/05	07:03:40	07:16:33	00:02:30	-----	218-	49-	65-	99182
D7 (35)	17/08/05	07:08:31	07:21:47	00:05:14	-----	301-	88-	122-	92265
A1 (05)	17/08/05	07:09:35	07:22:01	00:00:13	-----	273-	37-	58-	2638
S3 (112)	17/08/05	07:10:11	07:22:35	00:00:34	-----	235-	89-	56-	16457
B1 (13)	17/08/05	07:19:39	07:32:43	00:10:07	-----	225-	60-	63-	99095
A3 (07)	17/08/05	07:26:00	07:38:17	00:05:34	-----	278-	34-	59-	2730
D8 (36)	17/08/05	07:29:23	07:42:33	00:04:15	-----	298-	66-	132-	92221
B6 (18)	17/08/05	07:34:41	07:47:56	00:05:23	-----	235-	84-	60-	99183
S4 (119)	17/08/05	07:36:12	07:48:32	00:00:36	-----	245-	64-	53-	16374
A4 (08)	17/08/05	07:41:19	07:53:29	00:04:56	-----	283-	32-	61-	2730
B7 (19)	17/08/05	07:49:16	08:02:32	00:09:03	-----	241-	83-	59-	99183
D3 (31)	17/08/05	07:52:01	08:04:12	00:01:39	-----	289-	32-	155-	92178
A8 (12)	17/08/05	07:52:47	08:04:51	00:00:38	-----	286-	31-	63-	2711
S1 (116)	17/08/05	08:02:22	08:14:28	00:09:37	-----	257-	46-	52-	16375
B8 (20)	17/08/05	08:05:47	08:19:02	00:04:33	-----	247-	71-	58-	99194
A5 (09)	17/08/05	08:05:53	08:17:54	00:01:08	-----	289-	30-	64-	2730
D2 (30)	17/08/05	08:12:07	08:24:11	00:06:17	-----	288-	31-	156-	92266
D4 (32)	17/08/05	08:14:27	08:25:36	00:01:25	-----	283-	22-	166-	92265
A7 (11)	17/08/05	08:18:03	08:30:02	00:04:26	-----	291-	30-	66-	2730
B4 (16)	17/08/05	08:19:11	08:32:23	00:02:20	-----	249-	65-	58-	99183
S2 (113)	17/08/05	08:28:13	08:40:00	00:07:37	-----	267-	36-	51-	16463
A6 (10)	17/08/05	08:31:44	08:43:43	00:03:42	-----	294-	30-	69-	20232
B3 (15)	17/08/05	08:33:13	08:46:21	00:02:37	-----	254-	57-	58-	99183
D6 (34)	17/08/05	08:36:24	08:48:05	00:01:44	-----	286-	27-	161-	92269
A2 (06)	17/08/05	08:47:54	08:59:56	00:11:51	-----	297-	30-	72-	2730
B2 (14)	17/08/05	08:49:17	09:02:17	00:02:20	-----	260-	49-	57-	99183
D7 (35)	17/08/05	08:54:51	09:05:46	00:03:28	-----	282-	21-	169-	92266
S3 (112)	17/08/05	08:54:55	09:06:21	00:00:35	-----	276-	30-	51-	16458
A1 (05)	17/08/05	08:55:56	09:08:00	00:01:38	-----	298-	31-	74-	2639
B1 (13)	17/08/05	09:05:33	09:18:25	00:10:26	-----	265-	44-	58-	99096