

SOLAR OUTAGE RISK 2010							SOLAR OUTAGE RISK 2010							SOLAR OUTAGE RISK 2010							SOLAR OUTAGE RISK 2010							SOLAR OUTAGE RISK 2010							SOLAR OUTAGE RISK 2010							SOLAR OUTAGE RISK 2010							SOLAR OUTAGE RISK 2010																																																																																																																																																																																																																																																																									
Early Season Group Greenwich Mean Time (GMT) Site: Houston, USA-TX-E, 29.77N, 95.37W Time Zone=-6, Antenna Diameter=13.1m Wide antenna beamwidth at 11 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Houston, USA-TX-E, 29.77N, 95.37W Time Zone=-6, Antenna Diameter=9.0m Wide antenna beamwidth at 4 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Houston, USA-TX-E, 29.77N, 95.37W Time Zone=-6, Antenna Diameter=3.8m Wide antenna beamwidth at 4 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Houston, USA-TX-E, 29.77N, 95.37W Time Zone=-6, Antenna Diameter=7.6m Wide antenna beamwidth at 4 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Houston, USA-TX-E, 29.77N, 95.37W Time Zone=-6, Antenna Diameter=9.3m Wide antenna beamwidth at 11 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Houston, USA-TX-E, 29.77N, 95.37W Time Zone=-6, Antenna Diameter=6.1m Wide antenna beamwidth at 11 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Houston, USA-TX-E, 29.77N, 95.37W Time Zone=-6, Antenna Diameter=4.57m Wide antenna beamwidth at 11 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Houston, USA-TX-E, 29.77N, 95.37W Time Zone=-6, Antenna Diameter=3.5m Wide antenna beamwidth at 11 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Houston, USA-TX-E, 29.77N, 95.37W Time Zone=-6, Antenna Diameter=8.1m Wide antenna beamwidth at 4 GHz																																																																																																																																																																																																																																																																		
Satellite 1 Galaxy 25, Long=93.00W, EL=55.20, AZ=175.24							Satellite 1 Intelsat 903, Long=34.50W, EL=16.71, AZ=105.47							Satellite 1 Intelsat IS 1R, Long=45.00W, EL=25.81, AZ=112.35							Satellite 1 Intelsat 707, Long=53.00W, EL=32.58, AZ=118.56							Satellite 1 Telstar 14 KU, Long=63.00W, EL=40.56, AZ=128.07							Satellite 1 Satmex 5 KU, Long=116.80W, EL=48.11, AZ=218.33							Satellite 1 Satmex 6 KU, Long=113.00W, EL=50.28, AZ=212.62							Satellite 1 Satmex 6 KU, Long=113.00W, EL=50.28, AZ=212.62							Satellite 1 Satmex 6 C, Long=113.00W, EL=50.28, AZ=212.62																																																																																																																																																																																																																																																																		
Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)																																																																																																																																																																																																																																																																											
6-Mar	18:21:22	18:21:47	18:22:12	Low	0.5503		6-Mar	13:59:58	14:01:17	14:02:36	Low	1.0074		4-Mar	14:42:13	14:46:29	14:50:44	Low	1.6626		6-Mar	15:17:22	15:20:50	15:24:18	Medium	0.8064		7-Mar	16:02:44	16:04:54	16:07:03	High	0.3248		6-Mar	20:09:00	20:10:56	20:12:51	Medium	0.5777		6-Mar	19:50:58	19:53:38	19:56:17	Medium	0.5641		5-Mar	19:52:26	19:53:52	19:55:18	Low	0.9516		7-Mar	18:19:24	18:21:33	18:23:42	High	0.1616		7-Mar	13:57:36	14:01:03	14:04:30	Medium	0.6193		5-Mar	14:40:13	14:46:15	14:52:17	Low	1.2769		7-Mar	15:16:09	15:20:36	15:25:02	High	0.418		7-Mar	20:07:46	20:10:41	20:13:36	High	0.189		7-Mar	19:49:58	19:53:23	19:56:48	High	0.1754		6-Mar	19:50:14	19:53:38	19:57:01	High	0.5641		8-Mar	18:19:15	18:21:18	18:23:21	High	0.2281		8-Mar	13:56:39	14:00:49	14:04:58	High	0.23		6-Mar	14:38:57	14:46:01	14:53:05	High	0.8899		8-Mar	15:15:36	15:20:21	15:25:05	High	0.0284		8-Mar	20:07:32	20:10:27	20:13:21	High	0.2008		8-Mar	19:49:45	19:53:08	19:56:31	High	0.2144		7-Mar	19:49:22	19:53:23	19:57:24	High	0.1754		8-Mar	19:49:09	19:53:09	19:57:08	High	0.2144		8-Mar	19:49:41	19:53:37	19:57:34	High	0.5641		9-Mar	13:56:21	14:00:34	14:04:46	High	0.1603		7-Mar	14:38:08	14:45:47	14:53:27	High	0.5015		9-Mar	15:15:35	15:20:06	15:24:37	High	0.3622		9-Mar	20:08:20	20:10:11	20:12:02	Low	0.5917		9-Mar	19:49:23	19:52:53	19:55:24	Medium	0.6053		8-Mar	19:49:37	19:52:53	19:56:10	Medium	0.6053		7-Mar	19:49:22	19:53:23	19:57:24	High	0.1754		8-Mar	19:48:53	19:53:23	19:57:53	High	0.1754		10-Mar	13:56:41	14:00:19	14:03:57	High	0.5517		8-Mar	14:37:39	14:45:33	14:53:27	High	0.112		10-Mar	15:16:11	15:19:51	15:23:30	Medium	0.7538		9-Mar	19:49:37	19:52:53	19:56:10	Medium	0.6053		9-Mar	19:49:03	19:52:53	19:56:44	High	0.6053		11-Mar	13:58:07	14:00:03	14:01:59	Low	0.9438		9-Mar	14:37:28	14:45:18	14:53:08	High	0.2786		11-Mar	15:18:25	15:19:35	15:20:44	Low	1.1463		10-Mar	19:51:51	19:52:38	19:53:25	Low	0.9971		10-Mar	19:50:28	19:52:38	19:54:47	Low	0.9971		11-Mar	14:38:07	14:44:47	14:51:26	Medium	1.0625		12-Mar	14:39:11	14:44:31	14:49:51	Low	1.4556		13-Mar	14:41:31	14:44:15	14:46:59	Low	1.8493	

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Early Season Group Greenwich Mean Time (GMT) Site: Aberdeen, UK, 57.20N, 2.09W Time Zone=+1, Antenna Diameter=9.5m Wide antenna beamwidth at 12 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Aberdeen, UK, 57.20N, 2.09W Time Zone=+1, Antenna Diameter=8.1m Wide antenna beamwidth at 4 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Aberdeen, UK, 57.20N, 2.09W Time Zone=+1, Antenna Diameter=3.8m Wide antenna beamwidth at 12 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Aberdeen, UK, 57.20N, 2.09W Time Zone=+1, Antenna Diameter=6.0m Wide antenna beamwidth at 12 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Aberdeen, UK, 57.20N, 2.09W Time Zone=+1, Antenna Diameter=6.1m Wide antenna beamwidth at 12 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Aberdeen, UK, 57.20N, 2.09W Time Zone=+1, Antenna Diameter=3.8m Wide antenna beamwidth at 4 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Aberdeen, UK, 57.20N, 2.09W Time Zone=+1, Antenna Diameter=9.3m Wide antenna beamwidth at 4 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Aberdeen, UK, 57.20N, 2.09W Time Zone=+1, Antenna Diameter=5.6m Wide antenna beamwidth at 12 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Aberdeen, UK, 57.20N, 2.09W Time Zone=+1, Antenna Diameter=7.3m Wide antenna beamwidth at 4 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Aberdeen, UK, 57.20N, 2.09W Time Zone=+1, Antenna Diameter=5.6m Wide antenna beamwidth at 12 GHz							Early Season Group Greenwich Mean Time (GMT) Site: Aberdeen, UK, 57.20N, 2.09W Time Zone=+1, Antenna Diameter=7.3m Wide antenna beamwidth at 4 GHz																																																																																																																																																																																																																	
Satellite 1 Eutelsat W3A. Lon=53.00E. EL=9.57. AZ=120.40							Satellite 1 Intelsat 707. Lon=53.00W. EL=11.52. AZ=235.67							Satellite 1 Eutelsat W6. Lon=21.50E. EL=21.71. AZ=152.55							Satellite 1 Eutelsat W6. Lon=21.50E. EL=21.71. AZ=152.55							Satellite 1 Eutelsat W7. Lon=35.90E. EL=17.00. AZ=137.10							Satellite 1 Intelsat IS 14. Lon=45.00W. EL=15.02. AZ=227.88							Satellite 1 Intelsat 904. Lon=50.00E. EL=10.98. AZ=123.21							Satellite 1 Intelsat 901 C. Lon=18.00W. EL=23.44. AZ=198.73							Satellite 1 Loral Telstar 12. Lon=15.00W. EL=23.95. AZ=195.25							Satellite 1 Eutelsat W2A. Lon=10.00E. EL=24.07. AZ=165.70																																																																																																																																																																																																																								
Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)		Date	Begin	Peak	End	Depth	Closest(deg)																																																																																																																																																																																																																																	
28-Feb	8:22:32	8:24:26	8:26:21	High	0.3763		26-Feb	15:57:51	16:00:15	16:02:40	Low	0.9638		26-Feb	10:37:16	10:38:47	10:40:18	Low	0.8396		27-Feb	10:36:21	10:38:36	10:40:52	High	0.4652		27-Feb	9:35:02	9:36:47	9:38:32	Low	0.5755		27-Feb	15:23:16	15:26:19	15:29:21	High	0.5255		26-Feb	8:35:09	8:37:19	8:39:30	Low	1.0896		26-Feb	13:27:38	13:30:29	13:33:20	Low	0.7613		27-Feb	13:14:40	13:17:17	13:19:54	High	0.3802		1-Mar	8:21:49	8:24:16	8:26:42	High	0.001		27-Feb	15:56:09	16:00:04	16:03:59	High	0.5904		28-Feb	10:35:25	10:38:37	10:41:49	High	0.4652		28-Feb	9:33:49	9:36:36	9:39:24	High	0.1995		28-Feb	15:22:28	15:26:07	15:29:47	High	0.1492		27-Feb	8:33:12	8:37:10	8:41:07	Medium	0.717		27-Feb	13:26:25	13:30:19	13:34:12	High	0.3866		28-Feb	13:14:04	13:17:06	13:20:08	High	0.0035		2-Mar	8:22:10	8:24:04	8:25:58	High	0.378		28-Feb	10:34:44	10:38:26	10:42:07	High	0.0888		1-Mar	10:35:33	10:38:14	10:40:55	High	0.2895		1-Mar	9:33:36	9:36:25	9:39:14	High	0.1784		28-Feb	8:32:17	8:36:59	8:41:42	High	0.3423		27-Feb	13:25:56	13:30:08	13:34:19	High	0.0099		1-Mar	13:14:17	13:16:54	13:19:31	High	0.3752		40238	0.663299	0.666435	0.669583	High	0.1627		1-Mar	10:34:43	10:38:14	10:41:45	High	0.2895		2-Mar	9:34:23	9:36:13	9:38:04	Medium	0.5582		1-Mar	8:31:54	8:36:48	8:41:42	High	0.0344		28-Feb	11:23:22	11:28:16	11:33:10	High	0.0296		40239	0.663507	0.666296	0.669086	High	0.5421		2-Mar	10:36:54	10:38:02	10:39:10	Low	0.6697		2-Mar	8:32:00	8:36:37	8:41:13	High	0.4131		1-Mar	11:23:23	11:28:05	11:32:46	High	0.3489		40240	0.664306	0.666146	0.667986	Low	0.9233		2-Mar	10:35:30	10:38:02	10:40:34	Medium	0.6697		2-Mar	8:32:42	8:36:24	8:40:07	Medium	0.7936		2-Mar	11:23:58	11:27:53	11:31:47	Medium	0.7292									3-Mar	8:34:58	8:36:12	8:37:25	Low	1.1758		3-Mar	11:25:42	11:27:40	11:29:38	Low	1.1113	

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Early Season Group Greenwich Mean Time (GMT) Site: Macae, Brazil , 22.35S, 41.80W Time Zone=-3, Antenna Diameter=3.8m Wide antenna beamwidth at 4 GHz						Early Season Group Greenwich Mean Time (GMT) Site: Macae, Brazil , 22.35S, 41.80W Time Zone=-3, Antenna Diameter=6.0m Wide antenna beamwidth at 4 GHz						Early Season Group Greenwich Mean Time (GMT) Site: Macae, Brazil , 22.35S, 41.80W Time Zone=-3, Antenna Diameter=3.6m Wide antenna beamwidth at 11 GHz						Early Season Group Greenwich Mean Time (GMT) Site: Macae, Brazil , 22.35S, 41.80W Time Zone=-3, Antenna Diameter=6m Wide antenna beamwidth at 11 GHz						Early Season Group Greenwich Mean Time (GMT) Site: Macae, Brazil , 22.35S, 41.80W Time Zone=-3, Antenna Diameter=6m Wide antenna beamwidth at 4 GHz						
Satellite 1 Intelsat 901 C, Long=18.00W, EL=52.53, AZ=49.23						Satellite 1 NSS 7 C, Long=22.00W, EL=55.58, AZ=43.43						Satellite 1 NSS 7 KU, Long=22.00W, EL=55.58, AZ=43.43						Satellite 1 Amazonas KU, Long=61.00W, EL=56.01, AZ=317.52						Satellite 1 Amazonas C, Long=61.00W, EL=56.01, AZ=317.52						
Date	Begin	Peak	End	Depth	Closest(deg)	Date	Begin	Peak	End	Depth	Closest(deg)	Date	Begin	Peak	End	Depth	Closest(deg)	Date	Begin	Peak	End	Depth	Closest(deg)	Date	Begin	Peak	End	Depth	Closest(deg)	
25-Mar	13:00:42	13:03:11	13:05:39	Low	1.8719	27-Mar	13:17:29	13:20:53	13:24:18	Low	1.1009	28-Mar	13:17:46	13:20:35	13:23:24	Medium	0.7103	28-Mar	16:19:45	16:21:12	16:22:39	Low	0.6638	27-Mar	16:17:52	16:21:30	16:25:09	Low	1.0543	
26-Mar	12:57:39	13:02:52	13:08:05	Low	1.4795	28-Mar	13:15:47	13:20:35	13:25:23	High	0.7103	29-Mar	13:16:29	13:20:17	13:24:04	High	0.3208	29-Mar	16:18:04	16:20:54	16:23:43	High	0.2744	28-Mar	16:16:18	16:21:12	16:26:06	High	0.6638	
27-Mar	12:55:59	13:02:34	13:09:09	Medium	1.0881	29-Mar	13:14:51	13:20:17	13:25:43	High	0.3208	30-Mar	13:15:59	13:19:58	13:23:58	High	0.0676	30-Mar	16:17:36	16:20:36	16:23:35	High	0.1138	29-Mar	16:15:25	16:20:54	16:26:22	High	0.2744	
28-Mar	12:54:53	13:02:16	13:09:39	High	0.6975	30-Mar	13:14:24	13:19:59	13:25:33	High	0.0676	31-Mar	13:16:06	13:19:40	13:23:14	High	0.4548	31-Mar	16:18:01	16:20:17	16:22:34	High	0.5009	30-Mar	16:15:02	16:20:35	16:26:09	High	0.1138	
29-Mar	12:54:09	13:01:57	13:09:45	High	0.308	31-Mar	13:14:24	13:19:40	13:24:57	High	0.4548	1-Apr	13:17:12	13:19:22	13:21:32	Low	0.8408	31-Mar	16:15:02	16:20:17	16:25:30	High	0.5009	31-Mar	16:15:05	16:20:17	16:25:30	High	0.5009	
30-Mar	12:53:45	13:01:39	13:09:33	High	0.0805	1-Apr	13:14:55	13:19:22	13:23:49	Medium	0.8408								1-Apr	16:15:41	16:19:59	16:24:17	Medium	0.8867	1-Apr	16:15:41	16:19:59	16:24:17	Medium	0.8867
31-Mar	12:53:40	13:01:21	13:09:01	High	0.4677	2-Apr	13:16:25	13:19:04	13:21:43	Low	1.2254								2-Apr	16:17:25	16:19:41	16:21:58	Low	1.2711	2-Apr	16:17:25	16:19:41	16:21:58	Low	1.2711
1-Apr	12:53:55	13:01:03	13:08:10	High	0.8537																									
2-Apr	12:54:36	13:00:45	13:06:54	Medium	1.2383																									
3-Apr	12:55:57	13:00:27	13:04:57	Low	1.6215																									

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Early Season Group Greenwich Mean Time (GMT) Site: Perth Australia, 31.93S, 115.83E Time Zone=+8, Antenna Diameter=9.1m Wide antenna beamwidth at 4 GHz						Early Season Group Greenwich Mean Time (GMT) Site: Perth Australia, 31.93S, 115.83E Time Zone=+8, Antenna Diameter=13m Wide antenna beamwidth at 12 GHz						Early Season Group Greenwich Mean Time (GMT) Site: Perth Australia, 31.93S, 115.83E Time Zone=+8, Antenna Diameter=9m Wide antenna beamwidth at 4 GHz						Early Season Group Greenwich Mean Time (GMT) Site: Perth Australia, 31.93S, 115.83E Time Zone=+8, Antenna Diameter=8.1m Wide antenna beamwidth at 12 GHz						Early Season Group Greenwich Mean Time (GMT) Site: Perth Australia, 31.93S, 115.83E Time Zone=+8, Antenna Diameter=11m Wide antenna beamwidth at 4 GHz						Early Season Group Greenwich Mean Time (GMT) Site: Perth Australia, 31.93S, 115.83E Time Zone=+8, Antenna Diameter=4.5m Wide antenna beamwidth at 4 GHz					
Satellite 1 NSS 9 C, Long=177.00W, EL=10.76, AZ=77.45						Satellite 1 NSS 6 Ku, Long=95.00E, EL=46.52, AZ=324.27						Satellite 1 NSS 703 C, Long=57.00E, EL=17.82, AZ=287.74						Satellite 1 SAT-GE 23 Ku, Long=172.00E, EL=20.06, AZ=70.48						Satellite 1 JCSAT-2A, Long=154.00E, EL=34.72, AZ=56.07						Satellite 1 JCSAT-2A, Long=154.00E, EL=34.72, AZ=56.07					
Date	Begin	Peak	End	Depth	Closest(deg)	Date	Begin	Peak	End	Depth	Closest(deg)	Date	Begin	Peak	End	Depth	Closest(deg)	Date	Begin	Peak	End	Depth	Closest(deg)	Date	Begin	Peak	End	Depth	Closest(deg)	Date	Begin	Peak	End	Depth	Closest(deg)
29-Mar	23:24:59	23:27:56	23:30:53	Medium	0.7547	2-Apr	5:53:44	5:55:34	5:57:24	High	0.2979	31-Mar	8:39:55	8:43:06	8:46:18	Medium	0.7003	1-Apr	0:08:07	0:09:49	0:11:31	Medium	0.4801	1-Apr	1:25:03	1:27:50	1:30:37	Medium	0.633	30-Mar	1:24:26	1:28:26	1:32:27	Low	1.4073
30-Mar	23:23:39	23:27:37	23:31:35	High	0.3687	3-Apr	5:53:06	5:55:16	5:57:26	High	0.0857	1-Apr	8:38:45	8:42:49	8:46:53	High	0.3143	2-Apr	0:06:58	0:09:31	0:12:03	High	0.095	2-Apr	1:23:54	1:27:32	1:31:10	High	0.2478	31-Mar	1:22:33	1:28:08	1:33:43	Medium	1.0195
31-Mar	23:23:04	23:27:19	23:31:33	High	0.0159	4-Apr	5:53:50	5:54:59	5:56:07	Medium	0.4677	2-Apr	8:38:16	8:42:31	8:46:46	High	0.0702	3-Apr	0:06:55	0:09:13	0:11:30	High	0.2887	3-Apr	1:23:30	1:27:14	1:30:58	High	0.136	1-Apr	1:21:24	1:27:50	1:34:17	High	0.633
1-Apr	23:23:04	23:27:00	23:30:56	High	0.3991							3-Apr	8:38:22	8:42:13	8:46:04	High	0.4533	4-Apr	1:23:48	1:26:56	1:30:05	High	0.5183	2-Apr	1:20:41	1:27:32	1:34:23	High	0.2478						
2-Apr	23:23:51	23:26:42	23:29:32	Low	0.7807							4-Apr	8:39:19	8:41:56	8:44:33	Low	0.8349	5-Apr	1:25:34	1:26:39	1:27:44	Low	0.899	3-Apr	1:20:20	1:27:14	1:34:09	High	0.136						
																								4-Apr	1:20:20	1:26:56	1:33:33	High	0.5183	5-Apr	1:20:44	1:26:39	1:32:34	Medium	0.899
																								6-Apr	1:21:42	1:26:21	1:31:01	Low	1.278	7-Apr	1:24:07	1:26:04	1:28:02	Low	1.6552

SOLAR OUTAGE RISK 2010

Early Season Group

Greenwich Mean Time (GMT)

Site: Jakarta, Indonesia, 6.25S, 106.80E

Time Zone=+7, Antenna Diameter=4.5m

Wide antenna beamwidth at 4 GHz

Satellite 1

Apstar 2R, Long=76.50E, EL=54.03, AZ=280.55

Date	Begin	Peak	End	Depth	Closest(deg)
19-Mar	7:19:43	7:21:49	7:23:55	Low	1.644
20-Mar	7:16:46	7:21:31	7:26:17	Low	1.2487
21-Mar	7:15:14	7:21:14	7:27:13	Medium	0.8537
22-Mar	7:14:16	7:20:56	7:27:35	High	0.4589
23-Mar	7:13:44	7:20:38	7:27:31	High	0.0646
24-Mar	7:13:33	7:20:19	7:27:06	High	0.3293
25-Mar	7:13:45	7:20:01	7:26:17	High	0.7225
26-Mar	7:14:27	7:19:43	7:24:59	Medium	1.115
27-Mar	7:16:03	7:19:25	7:22:46	Low	1.5067

SOLAR OUTAGE RISK 2010

Early Season Group

Greenwich Mean Time (GMT)

Site: Jakarta, Indonesia, 6.25S, 106.80E

Time Zone=+7, Antenna Diameter=3.7m

Wide antenna beamwidth at 12 GHz

Satellite 1

NSS 6 Ku, Long=95.00E, EL=74.33, AZ=297.52

Date	Begin	Peak	End	Depth	Closest(deg)
22-Mar	5:52:07	5:55:15	5:58:23	High	0.5071
23-Mar	5:51:15	5:54:57	5:58:40	High	0.1128
24-Mar	5:51:06	5:54:39	5:58:13	High	0.2811
25-Mar	5:51:46	5:54:21	5:56:56	Medium	0.6744

SOLAR OUTAGE RISK 2010

Early Season Group

Greenwich Mean Time (GMT)

Site: Jakarta, Indonesia, 6.25S, 106.80E

Time Zone=+7, Antenna Diameter=4.5m

Wide antenna beamwidth at 4 GHz

Satellite 1

Telkom 2, Long=118.00E, EL=74.94, AZ=61.20

Date	Begin	Peak	End	Depth	Closest(deg)
20-Mar	4:03:22	4:07:46	4:12:11	Low	1.3271
21-Mar	4:01:40	4:07:28	4:13:17	Medium	0.932
22-Mar	4:00:37	4:07:10	4:13:44	High	0.5372
23-Mar	4:00:00	4:06:52	4:13:45	High	0.1428
24-Mar	3:59:44	4:06:34	4:13:24	High	0.2511
25-Mar	3:59:52	4:06:16	4:12:40	High	0.6444
26-Mar	4:00:27	4:05:58	4:11:28	Medium	1.037
27-Mar	4:01:47	4:05:39	4:09:31	Low	1.4289

SOLAR OUTAGE RISK 2010

Early Season Group

Greenwich Mean Time (GMT)

Site: Fucino, Italy, 42.05N, 13.30E

Time Zone=+1, Antenna Diameter=11m

Wide antenna beamwidth at 3.5 GHz

Satellite 1

ABS 1, Long=75.00E, EL=12.18, AZ=109.83

Date	Begin	Peak	End	Depth	Closest(deg)
3-Mar	6:45:24	6:48:07	6:50:50	Low	0.7601
4-Mar	6:44:06	6:47:55	6:51:43	High	0.3774
5-Mar	6:43:36	6:47:42	6:51:48	High	0.0069
6-Mar	6:43:42	6:47:29	6:51:15	High	0.3926
7-Mar	6:44:37	6:47:15	6:49:52	Low	0.7797