

Event number	Individual event number	Date of event	DMSP satellite number	Orbit number	Day of year	Event start time	MLT (°)	MLAT (°)	Solar elevation angle	Dipole tilt angle
1	1	'31-Mar-05'	16	7476	90	'23:14'	13.71	82.31	11.83	2.23
2	2	'21-Apr-05'	16	7778	111	'08:21'	13.40	84.09	12.26	5.14
3	2	'21-Apr-05'	16	7779	111	'10:04'	12.81	83.74	15.16	9.75
4	2	'21-Apr-05'	16	7780	111	'11:46'	11.91	85.80	16.36	14.69
5	3	'18-May-05'	16	8166	138	'19:33'	11.72	89.39	26.11	27.77
6	3	'18-May-05'	16	8167	138	'21:13'	16.18	89.20	24.44	23.81
7	4	'20-May-05'	16	8190	140	'12:21'	13.41	82.46	28.22	24.58
8	4	'20-May-05'	16	8191	140	'14:03'	9.64	86.33	28.13	28.52
9	4	'24-May-05'	16	8247	144	'13:11'	14.68	86.87	26.17	27.47
10	4	'24-May-05'	16	8248	144	'14:53'	15.26	87.45	28.25	30.67
11	5	'02-Jun-05'	16	8374	153	'12:57'	15.21	84.16	28.30	28.33
12	6	'15-Jun-05'	16	8559	166	'15:16'	16.31	86.31	30.69	33.67
13	6	'15-Jun-05'	16	8560	166	'16:57'	9.21	86.67	34.19	34.46
14	7	'10-Jul-05'	16	8908	191	'08:10'	16.59	83.94	18.89	15.22
15	7	'10-Jul-05'	16	8909	191	'09:53'	16.86	88.41	19.22	19.73
16	8	'12-Jul-05'	16	8942	193	'17:57'	11.85	87.89	32.22	32.51
17	8	'12-Jul-05'	16	8943	193	'19:38'	15.93	86.35	31.12	29.99
18	9	'02-Aug-05'	16	9236	214	'13:28'	12.00	87.92	23.14	24.93
19	10	'08-Aug-05'	16	9318	220	'08:45'	14.48	82.31	17.62	10.34
20	10	'08-Aug-05'	16	9319	220	'10:28'	14.67	83.72	18.63	15.12
21	10	'08-Aug-05'	16	9320	220	'12:11'	16.19	81.25	20.57	20.05
22	10	'08-Aug-05'	16	9322	220	'15:34'	10.03	87.95	24.80	26.56
23	10	'08-Aug-05'	16	9323	220	'17:16'	8.69	83.51	28.85	26.95
24	10	'08-Aug-05'	16	9324	220	'18:57'	12.43	85.47	28.53	25.21
25	11	'18-May-06'	16	13317	138	'10:59'	12.12	86.91	21.34	20.28
26	11	'18-May-06'	16	13324	138	'22:50'	14.28	84.43	25.28	19.18
27	12	'21-May-06'	16	13361	141	'13:45'	12.39	86.99	27.39	28.13
28	12	'21-May-06'	16	13362	141	'15:27'	9.48	86.21	30.61	30.74
29	13	'01-Jun-06'	16	13516	152	'13:06'	11.79	86.30	28.65	28.56
30	14	'02-Jun-06'	16	13529	153	'11:11'	10.71	83.62	26.86	23.52
31	15	'11-Jul-06'	16	14077	193	'06:11'	9.43	84.49	19.26	11.64
32	15	'11-Jul-06'	16	14078	193	'07:54'	10.68	85.21	20.36	14.49
33	15	'11-Jul-06'	16	14079	193	'09:37'	12.40	85.16	22.97	18.84
34	15	'11-Jul-06'	16	14080	193	'11:19'	11.65	86.69	24.35	23.77
35	15	'11-Jul-06'	16	14082	193	'14:44'	17.26	84.96	27.59	31.75
36	15	'11-Jul-06'	16	14083	193	'16:25'	13.56	83.11	36.03	33.19
37	16	'08-Aug-06'	16	14475	220	'10:25'	10.43	84.20	18.45	14.98
38	17	'20-Aug-06'	16	14644	232	'09:33'	9.51	84.84	12.12	8.63
39	17	'20-Aug-06'	16	14645	232	'11:16'	12.49	88.41	13.12	13.60
40	18	'11-Apr-07'	16	17946	101	'03:39'	9.24	85.88	4.83	-2.75
41	19	'07-May-07'	16	18329	127	'13:27'	12.38	83.85	26.41	24.07
42	20	'20-May-07'	16	18498	140	'05:31'	12.85	83.62	19.12	8.99
43	21	'04-Jun-07'	16	18714	155	'12:34'	14.93	83.74	28.42	27.61

44	21	'04-Jun-07'	16	18715	155	'14:16'	12.53	87.08	30.34	31.37
45	22	'05-Jun-07'	16	18724	156	'05:30'	13.39	84.31	20.63	11.55
46	23	'14-Jun-07'	16	18856	165	'13:50'	13.97	84.47	31.83	31.38
47	24	'16-Jun-07'	16	18880	167	'06:34'	12.48	85.15	21.25	13.40
48	25	'14-Jul-07'	16	19272	195	'00:33'	14.46	83.10	24.59	16.43
49	25	'14-Jul-07'	16	19274	195	'03:58'	12.82	84.77	20.00	10.61
50	25	'14-Jul-07'	16	19275	195	'05:40'	11.42	85.34	19.16	10.73
51	25	'14-Jul-07'	16	19276	195	'07:23'	14.54	84.27	19.94	13.01
52	26	'30-Jul-07'	16	19506	211	'14:12'	12.56	85.14	27.92	27.18
53	27	'11-Apr-08'	16	23119	102	'08:52'	12.76	83.86	9.86	3.16
54	28	'04-May-08'	16	23451	125	'20:55'	11.60	84.25	26.85	21.25
55	29	'05-May-08'	16	23460	126	'12:16'	14.36	84.60	21.99	20.86
56	30	'07-May-08'	16	23487	128	'10:08'	12.79	84.57	19.50	15.30
57	31	'18-May-08'	16	23644	139	'12:53'	13.98	85.51	25.93	25.74
58	32	'23-May-08'	16	23712	144	'08:25'	12.96	85.14	20.13	14.39
59	33	'30-May-08'	16	23808	151	'03:28'	10.83	84.64	20.65	11.29
60	33	'30-May-08'	16	23820	151	'23:52'	12.75	83.76	26.62	18.58
61	33	'31-May-08'	16	23821	152	'01:34'	10.85	85.92	21.64	14.43
62	34	'01-Jun-08'	16	23841	153	'11:36'	13.10	84.67	27.04	24.72
63	35	'07-Jun-08'	16	23920	159	'01:46'	13.29	85.44	22.27	14.80
64	35	'07-Jun-08'	16	23921	159	'03:28'	13.43	86.14	19.59	12.21
65	36	'26-Jun-08'	16	24196	178	'14:47'	14.76	84.66	32.37	33.07
66	36	'26-Jun-08'	16	24197	178	'16:28'	12.59	85.44	35.77	34.45
67	37	'28-Jun-08'	16	24225	180	'16:03'	15.14	85.31	33.23	34.21
68	38	'03-Sep-08'	16	25174	247	'20:26'	12.99	84.50	18.68	12.79
69	39	'21-Mar-09'	16	27978	80	'08:42'	12.27	82.85	2.52	5.93
70	40	'16-May-09'	16	28769	136	'08:41'	14.08	84.14	19.49	13.36
71	41	'14-Jun-09'	16	29176	165	'04:11'	13.12	84.76	21.21	12.14
72	41	'14-Jun-09'	16	29178	165	'07:37'	12.98	85.24	21.73	15.10
73	42	'28-Jun-09'	16	29374	179	'04:36'	9.18	84.45	20.58	12.04
74	42	'28-Jun-09'	16	29375	179	'06:19'	11.45	86.47	19.52	12.99
75	42	'28-Jun-09'	16	29376	179	'08:02'	13.37	87.13	19.93	15.99
76	42	'28-Jun-09'	16	29377	179	'09:45'	15.47	85.13	22.96	20.42
77	43	'21-Jul-09'	16	29700	202	'06:32'	14.03	84.42	18.32	10.39
78	43	'21-Jul-09'	16	29701	202	'08:15'	14.36	83.36	20.55	13.60
79	43	'21-Jul-09'	16	29703	202	'11:40'	15.96	82.73	23.9	23.10
80	43	'21-Jul-09'	16	29704	202	'13:22'	16.92	85.06	24.43	27.51
81	44	'22-Apr-10'	16	33591	112	'16:05'	13.58	84.97	24.38	23.05
82	45	'14-May-10'	16	33898	134	'09:43'	13.62	84.84	20.01	15.67
83	46	'19-May-10'	16	33975	139	'20:30'	13.31	84.89	30.60	25.88
84	46	'19-May-10'	16	33976	139	'22:11'	11.85	84.68	27.42	21.30
85	47	'10-Jun-10'	16	34283	161	'15:52'	14.97	84.53	33.54	33.90
86	47	'10-Jun-10'	16	34284	161	'17:33'	14.69	85.01	35.17	33.92
87	47	'10-Jun-10'	16	34285	161	'19:14'	10.84	83.26	37.02	31.84
88	48	'15-Jun-10'	16	34353	166	'14:48'	15.60	83.01	31.99	33.09
89	49	'16-Jun-10'	16	34366	167	'12:54'	14.19	85.35	29.43	29.36

90	49	'16-Jun-10'	16	34371	167	'21:20'	13.70	88.59	28.89	27.29
91	50	'17-Jun-10'	16	34380	168	'12:41'	13.33	87.03	28.09	28.85
92	51	'21-Jun-10'	16	34435	172	'10:08'	9.15	85.38	23.26	21.69
93	51	'21-Jun-10'	16	34436	172	'11:50'	9.18	87.60	25.35	26.62
94	51	'21-Jun-10'	16	34437	172	'13:32'	10.57	86.14	30.76	30.92
95	51	'21-Jun-10'	16	34438	172	'15:13'	7.99	88.25	31.04	33.74
96	51	'21-Jun-10'	16	34439	172	'16:55'	11.13	89.11	32.27	34.59
97	51	'21-Jun-10'	16	34440	172	'18:36'	11.41	87.38	33.99	33.27
98	52	'03-Jul-10'	16	34603	184	'07:33'	9.57	84.40	20.79	14.64
99	53	'10-Jul-10'	16	34700	191	'04:21'	11.27	85.72	19.52	11.01
100	54	'16-Jul-10'	16	34783	197	'01:21'	11.51	86.07	21.60	14.15
101	55	'04-Aug-10'	16	35056	216	'09:16'	14.40	84.68	17.37	12.85
102	56	'09-Aug-10'	16	35127	221	'09:55'	9.08	84.31	15.88	13.23
103	57	'10-Aug-10'	16	35147	222	'19:51'	12.17	85.49	26.94	22.91
104	58	'15-Sep-10'	16	35650	258	'10:33'	12.86	84.13	6.75	1.64
105	59	'17-Mar-11'	16	38235	76	'10:42'	12.06	83.37	3.06	1.94
106	59	'17-Mar-11'	16	38236	76	'12:24'	12.06	83.68	6.09	2.88
107	60	'24-Mar-11'	16	38337	83	'16:00'	12.98	82.84	15.93	11.93
108	61	'01-Apr-11'	16	38441	91	'00:39'	13.19	84.73	6.80	1.29
109	61	'01-Apr-11'	16	38442	91	'02:21'	11.42	88.00	1.14	4.98
110	61	'01-Apr-11'	16	38443	91	'04:04'	12.17	87.71	-0.41	6.91
111	61	'01-Apr-11'	16	38444	91	'05:46'	13.84	84.34	2.24	6.65
112	61	'01-Apr-11'	16	38445	91	'07:29'	14.05	86.05	1.43	4.27
113	62	'23-Apr-11'	16	38761	113	'16:24'	12.51	86.98	23.43	23.51
114	63	'24-Apr-11'	16	38767	114	'02:33'	12.09	85.80	11.27	3.25
115	63	'24-Apr-11'	16	38768	114	'04:15'	12.83	85.80	9.70	1.57
116	63	'24-Apr-11'	16	38770	114	'07:41'	14.38	86.19	9.72	4.69
117	64	'25-Apr-11'	16	38789	115	'15:58'	15.06	83.24	24.71	24.01
118	65	'17-May-11'	16	39093	137	'04:27'	13.00	83.35	18.65	8.11
119	66	'22-May-11'	16	39169	142	'13:38'	13.66	84.25	29.18	28.09
120	67	'25-May-11'	16	39209	145	'09:35'	14.52	84.56	21.79	17.64
121	67	'25-May-11'	16	39210	145	'11:18'	14.41	84.17	25.02	22.62
122	67	'25-May-11'	16	39211	145	'12:59'	14.12	85.41	27.31	27.18
123	67	'25-May-11'	16	39212	145	'14:41'	15.19	83.73	29.96	30.57
124	68	'10-Jun-11'	16	39430	161	'01:01'	12.78	86.53	22.94	16.65
125	69	'13-Jun-11'	16	39480	164	'14:02'	12.30	87.41	30.39	31.72
126	69	'13-Jun-11'	16	39483	164	'19:06'	9.62	84.45	35.08	32.27
127	70	'15-Jun-11'	16	39509	166	'15:18'	-3.61	88.38	28.57	33.71
128	71	'17-Jun-11'	16	39532	168	'06:22'	16.42	84.82	18.08	13.17
129	71	'17-Jun-11'	16	39533	168	'08:05'	13.34	84.99	22.44	16.21
130	71	'17-Jun-11'	16	39534	168	'09:47'	13.12	85.82	23.89	20.63
131	71	'17-Jun-11'	16	39535	168	'11:29'	13.63	86.83	25.85	25.57
132	71	'17-Jun-11'	16	39536	168	'13:11'	13.65	86.37	29.48	30.08
133	72	'15-Jul-11'	16	39924	196	'00:21'	15.14	81.45	25.00	16.80
134	72	'15-Jul-11'	16	39925	196	'02:04'	14.57	85.14	20.13	12.83
135	73	'15-Jul-11'	16	39932	196	'14:01'	12.74	86.33	29.41	29.94

136	73	'15-Jul-11'	16	39933	196	'15:42'	12.95	86.29	32.02	32.24
137	74	'06-Aug-11'	16	40245	218	'17:47'	17.41	86.32	25.10	27.22
138	74	'06-Aug-11'	16	40246	218	'19:29'	17.96	83.94	24.24	24.84
139	75	'07-Aug-11'	16	40255	219	'10:49'	14.73	82.29	20.63	16.44
140	76	'08-Aug-11'	16	40275	220	'20:44'	11.05	86.71	24.64	21.43
141	77	'09-Aug-11'	16	40286	221	'15:28'	12.09	85.80	26.86	26.17
142	78	'17-Sep-11'	16	40841	260	'22:24'	14.68	80.93	11.26	2.27
143	79	'24-Apr-12'	16	43941	115	'09:23'	9.61	82.58	14.47	9.18
144	80	'04-May-12'	16	44082	125	'08:56'	11.61	85.06	16.26	11.11
145	80	'04-May-12'	16	44083	125	'10:38'	13.78	84.39	19.34	15.91
146	80	'04-May-12'	16	44084	125	'12:20'	15.51	83.90	21.08	20.75
147	80	'04-May-12'	16	44085	125	'14:02'	14.17	84.18	25.31	24.7
148	80	'04-May-12'	16	44086	125	'15:43'	14.17	85.49	26.88	26.98
149	80	'04-May-12'	16	44087	125	'17:24'	15.21	84.16	28.35	27.18
150	81	'06-May-12'	16	44113	127	'13:36'	16.47	83.64	22.31	24.40
151	81	'06-May-12'	16	44114	127	'15:17'	3.59	87.88	22.38	27.15
152	81	'06-May-12'	16	44115	127	'16:59'	17.83	84.24	24.26	27.91
153	81	'06-May-12'	16	44116	127	'18:39'	13.69	84.57	30.08	26.53
154	82	'06-May-12'	16	44118	127	'22:02'	8.01	87.66	20.52	18.73
155	83	'07-May-12'	16	44121	128	'03:09'	12.94	85.04	15.29	6.74
156	83	'07-May-12'	16	44122	128	'04:51'	13.72	84.89	14.18	5.82
157	84	'08-May-12'	16	44145	129	'19:55'	14.78	85.45	27.71	24.79
158	85	'18-May-12'	16	44279	139	'07:37'	12.18	85.69	17.75	11.60
159	86	'18-May-12'	16	44283	139	'14:25'	15.16	85.88	27.33	28.95
160	87	'18-May-12'	16	44285	139	'17:47'	11.69	85.07	33.29	30.5
161	87	'18-May-12'	16	44286	139	'19:29'	14.57	82.55	33.46	28.12
162	88	'29-May-12'	16	44440	150	'17:08'	15.07	84.81	33.38	32.88
163	89	'30-May-12'	16	44448	151	'06:44'	13.42	85.82	18.85	12.21
164	89	'30-May-12'	16	44449	151	'08:27'	11.42	86.67	19.59	15.62
165	89	'30-May-12'	16	44450	151	'10:09'	16.41	83.37	22.26	20.22
166	89	'30-May-12'	16	44452	151	'13:33'	13.36	86.81	28.53	29.45
167	89	'30-May-12'	16	44453	151	'15:14'	15.35	81.99	32.18	32.25
168	89	'30-May-12'	16	44454	151	'16:55'	12.58	84.62	35.65	33.07
169	89	'30-May-12'	16	44455	151	'18:36'	14.78	81.80	36.70	31.76
170	89	'30-May-12'	16	44456	151	'20:18'	12.98	86.80	31.09	28.52
171	89	'30-May-12'	16	44457	151	'21:59'	13.87	85.70	28.66	24.04
172	89	'30-May-12'	16	44458	151	'23:41'	10.38	85.83	24.84	19.09
173	90	'31-May-12'	16	44460	152	'03:05'	13.37	85.40	19.81	11.84
174	90	'31-May-12'	16	44461	152	'04:48'	10.59	84.95	19.68	10.83
175	90	'31-May-12'	16	44462	152	'06:31'	17.42	82.23	15.84	12.04
176	90	'31-May-12'	16	44463	152	'08:14'	14.00	83.74	22.19	15.24
177	91	'12-Jun-12'	16	44630	164	'03:55'	12.31	85.07	21.26	12.23
178	91	'12-Jun-12'	16	44631	164	'05:38'	15.42	83.27	19.90	12.30
179	91	'12-Jun-12'	16	44632	164	'07:21'	16.25	84.15	19.40	14.53
180	92	'12-Jun-12'	16	44637	164	'15:50'	15.42	85.21	32.70	34.08
181	92	'12-Jun-12'	16	44639	164	'19:13'	13.16	87.29	33.33	32.07

182	92	'12-Jun-12'	16	44640	164	'20:54'	16.11	86.90	29.98	28.32
183	93	'16-Jun-12'	16	44691	168	'11:36'	13.69	86.47	26.36	25.90
184	94	'24-Jun-12'	16	44808	176	'18:20'	14.63	85.87	34.92	33.56
185	94	'24-Jun-12'	16	44809	176	'20:01'	13.24	86.84	33.04	30.63
186	94	'24-Jun-12'	16	44810	176	'21:43'	9.60	83.30	31.64	26.25
187	95	'05-Jul-12'	16	44954	187	'02:22'	13.09	86.78	20.41	13.48
188	95	'05-Jul-12'	16	44955	187	'04:05'	10.62	84.00	21.88	11.58
189	95	'05-Jul-12'	16	44956	187	'05:48'	10.40	86.28	18.79	11.87
190	95	'05-Jul-12'	16	44957	187	'07:31'	14.07	86.86	18.90	14.30
191	95	'05-Jul-12'	16	44958	187	'09:13'	13.25	87.48	20.55	18.33
192	95	'05-Jul-12'	16	44959	187	'10:55'	17.81	82.62	22.01	23.20
193	95	'05-Jul-12'	16	44961	187	'14:19'	14.48	82.31	32.83	31.68
194	95	'05-Jul-12'	16	44962	187	'16:00'	11.86	87.31	32.82	33.63
195	95	'05-Jul-12'	16	44963	187	'17:41'	9.70	83.93	36.38	33.47
196	95	'05-Jul-12'	16	44964	187	'19:22'	14.57	85.79	33.71	31.24
197	96	'11-Jul-12'	16	45043	193	'09:38'	10.47	86.64	20.90	18.75
198	96	'11-Jul-12'	16	45044	193	'11:20'	15.30	84.15	25.08	23.68
199	96	'11-Jul-12'	16	45045	193	'13:02'	14.49	84.84	28.32	28.27
200	96	'11-Jul-12'	16	45046	193	'14:43'	12.42	86.28	31.26	31.58
201	96	'11-Jul-12'	16	45047	193	'16:24'	15.23	81.37	34.43	33.05
202	96	'11-Jul-12'	16	45048	193	'18:05'	11.56	84.75	35.82	32.38
203	96	'11-Jul-12'	16	45049	193	'19:47'	7.54	83.41	30.38	29.68
204	97	'17-Jul-12'	16	45131	199	'15:08'	9.99	84.56	32.56	31.17
205	98	'27-Jul-12'	16	45277	209	'23:07'	9.54	85.63	22.95	17.66
206	98	'28-Jul-12'	16	45278	210	'00:49'	8.91	85.81	19.24	12.73
207	98	'28-Jul-12'	16	45279	210	'02:31'	13.46	85.14	17.74	9.19
208	98	'28-Jul-12'	16	45282	210	'07:40'	14.52	84.56	17.09	10.55
209	98	'28-Jul-12'	16	45283	210	'09:23'	15.81	86.16	16.87	14.74
210	98	'28-Jul-12'	16	45285	210	'12:47'	13.62	84.61	25.50	24.34
211	99	'19-Aug-12'	16	45591	232	'04:37'	13.37	85.40	9.68	0.81
212	99	'19-Aug-12'	16	45592	232	'06:20'	14.85	83.59	10.32	1.79
213	99	'19-Aug-12'	16	45593	232	'08:03'	13.87	80.55	15.82	4.80
214	100	'05-Sep-12'	16	45833	249	'07:47'	14.85	79.59	9.13	2.08
215	100	'05-Sep-12'	16	45834	249	'09:30'	12.54	82.18	10.60	2.19
216	101	'05-Sep-12'	16	45836	249	'12:54'	12.31	84.97	14.05	11.75
217	101	'05-Sep-12'	16	45837	249	'14:35'	9.71	83.20	18.39	15.20
218	101	'05-Sep-12'	16	45838	249	'16:16'	11.81	83.77	20.89	16.82
219	102	'11-Apr-13'	16	48911	101	'05:00'	12.40	84.25	7.03	3.16
220	103	'21-Apr-13'	16	49054	111	'07:57'	13.22	83.55	12.51	4.23
221	103	'21-Apr-13'	16	49055	111	'09:40'	13.05	84.06	14.19	8.61
222	103	'21-Apr-13'	16	49056	111	'11:22'	11.59	85.27	16.03	13.54
223	103	'21-Apr-13'	16	49059	111	'16:25'	11.04	84.31	25.95	22.82
224	104	'06-May-13'	16	49271	126	'16:35'	12.16	87.61	27.08	27.64
225	105	'15-May-13'	16	49399	135	'18:02'	11.55	86.58	30.76	29.36
226	106	'07-Jun-13'	16	49724	158	'18:09'	9.90	85.55	34.88	33.15
227	106	'07-Jun-13'	16	49725	158	'19:50'	14.76	85.88	32.97	30.41

228	107	'11-Jun-13'	16	49772	162	'03:42'	12.25	85.38	20.99	12.25
229	107	'11-Jun-13'	16	49773	162	'05:24'	13.41	84.41	21.09	12.03
230	107	'11-Jun-13'	16	49776	162	'10:32'	15.27	83.58	25.44	22.51
231	107	'11-Jun-13'	16	49777	162	'12:14'	16.23	79.72	28.21	27.38
232	108	'05-Jul-13'	16	50118	186	'15:31'	16.41	84.59	30.54	33.37
233	108	'05-Jul-13'	16	50119	186	'17:12'	13.79	87.10	33.44	33.84
234	108	'05-Jul-13'	16	50120	186	'18:53'	12.00	86.81	33.81	32.18
235	108	'05-Jul-13'	16	50121	186	'20:35'	-5.54	86.34	28.23	28.67
236	108	'05-Jul-13'	16	50122	186	'22:16'	17.30	83.01	26.90	24.05
237	109	'12-Jul-13'	16	50209	193	'02:05'	15.15	83.95	20.56	13.25
238	110	'12-Jul-13'	16	50221	193	'22:27'	16.60	83.62	26.60	22.68
239	110	'13-Jul-13'	16	50223	194	'01:52'	15.35	85.80	19.54	13.53
240	111	'28-Jul-13'	16	50441	209	'12:16'	15.68	83.35	23.45	23.23
241	112	'08-Aug-13'	16	50590	220	'01:20'	13.38	84.86	17.05	8.79
242	112	'08-Aug-13'	16	50591	220	'03:03'	12.00	86.50	13.53	5.72
243	113	'24-Aug-13'	16	50816	236	'01:17'	14.45	83.24	12.45	3.63
244	113	'24-Aug-13'	16	50817	236	'02:59'	14.17	83.81	9.91	0.53
245	113	'24-Aug-13'	16	50818	236	'04:42'	14.32	84.15	8.50	0.61
246	113	'24-Aug-13'	16	50819	236	'06:25'	14.12	85.41	7.82	0.48
247	113	'24-Aug-13'	16	50820	236	'08:08'	14.83	82.38	11.41	3.58
248	114	'24-Aug-13'	16	50825	236	'16:36'	14.67	86.23	21.46	21.79
249	114	'24-Aug-13'	16	50826	236	'18:17'	13.53	86.64	22.24	20.87
250	115	'03-Oct-13'	16	51385	276	'07:58'	9.98	85.60	-6.20	12.46
251	115	'03-Oct-13'	16	51386	276	'09:40'	10.83	84.96	-2.72	8.12
252	115	'03-Oct-13'	16	51387	276	'11:23'	9.93	83.92	0.86	3.13
253	115	'03-Oct-13'	16	51388	276	'13:04'	9.28	83.65	4.22	1.39
254	115	'03-Oct-13'	16	51389	276	'14:45'	9.59	83.16	8.2	4.68
255	116	'30-Apr-14'	16	54346	120	'22:00'	13.36	84.22	23.27	16.74
256	117	'16-May-14'	16	54560	136	'01:32'	12.75	84.79	19.71	11.53
257	118	'30-May-14'	16	54770	150	'22:15'	12.18	87.81	26.29	23.12
258	118	'30-May-14'	16	54771	150	'23:57'	12.00	85.39	25.00	18.2
259	118	'31-May-14'	16	54773	151	'03:22'	13.99	78.41	25.01	11.39
260	119	'08-Jun-14'	16	54892	159	'13:33'	11.26	86.33	30.25	30.38
261	119	'08-Jun-14'	16	54893	159	'15:14'	6.95	86.87	30.72	33.18
262	120	'10-Jun-14'	16	54918	161	'09:44'	8.24	88.06	20.11	20.12
263	120	'10-Jun-14'	16	54919	161	'11:26'	15.72	84.50	25.76	25.06
264	121	'10-Jun-14'	16	54926	161	'23:15'	15.04	87.60	25.01	21.43
265	122	'30-Jun-14'	16	55199	181	'07:03'	14.81	80.66	24.00	13.94
266	123	'10-Jul-14'	16	55346	191	'16:44'	10.93	85.63	34.74	33.36
267	123	'13-Jul-14'	16	55386	194	'12:43'	13.68	85.02	27.99	27.34
268	123	'13-Jul-14'	16	55387	194	'14:24'	14.43	87.79	28.44	30.94
269	123	'13-Jul-14'	16	55388	194	'16:06'	16.38	86.90	29.85	32.80
270	123	'13-Jul-14'	16	55389	194	'17:46'	16.03	88.03	30.76	32.53
271	123	'13-Jul-14'	16	55390	194	'19:28'	-1.01	89.23	27.92	30.17
272	123	'13-Jul-14'	16	55391	194	'21:09'	15.93	87.53	27.97	26.22
273	123	'13-Jul-14'	16	55392	194	'22:51'	16.05	85.95	25.18	21.36

274	123	'14-Jul-14'	16	55393	195	'00:33'	13.88	86.15	22.73	16.43
275	123	'14-Jul-14'	16	55394	195	'02:16'	14.12	87.31	18.65	12.62
276	123	'14-Jul-14'	16	55395	195	'03:59'	12.89	86.93	17.66	10.60
277	123	'14-Jul-14'	16	55396	195	'05:41'	12.40	86.18	18.14	10.75
278	123	'14-Jul-14'	16	55397	195	'07:24'	13.09	86.78	18.12	13.04
279	123	'14-Jul-14'	16	55398	195	'09:07'	16.36	82.33	20.88	17.03
280	124	'02-Aug-14'	16	55675	214	'23:35'	14.19	85.35	21.21	15.04
281	125	'20-Aug-14'	16	55923	232	'12:55'	13.08	87.83	16.88	18.10
282	125	'20-Aug-14'	16	55924	232	'14:37'	13.05	88.89	18.94	21.55
283	125	'20-Aug-14'	16	55925	232	'16:18'	14.03	88.41	21.17	23.14
284	125	'20-Aug-14'	16	55926	232	'17:59'	11.43	89.32	20.95	22.60
285	125	'20-Aug-14'	16	55927	232	'19:40'	16.15	87.26	20.71	20.03
286	126	'12-Sep-14'	16	56247	255	'11:19'	14.22	82.08	10.16	5.08
287	126	'12-Sep-14'	16	56249	255	'14:41'	13.30	84.25	15.19	12.98
288	127	'06-May-15'	16	59586	126	'18:59'	13.27	85.98	28.30	25.74
289	127	'06-May-15'	16	59587	126	'20:40'	12.00	87.01	24.96	22.18
290	127	'06-May-15'	16	59588	126	'22:22'	10.90	84.67	23.49	17.48
291	128	'22-May-15'	16	59808	142	'12:07'	14.69	84.22	25.61	24.36
292	129	'13-Jun-15'	16	60125	164	'22:30'	11.87	87.11	27.87	23.82
293	130	'18-Jun-15'	16	60195	169	'21:24'	13.10	86.46	31.00	27.16
294	131	'23-Jun-15'	16	60267	174	'23:42'	13.85	82.40	29.13	20.54
295	132	'25-Jun-15'	16	60285	176	'06:19'	12.96	84.72	21.55	13.11
296	133	'27-Jun-15'	16	60316	178	'11:00'	14.87	84.38	26.17	24.10
297	133	'27-Jun-15'	16	60317	178	'12:41'	16.58	84.26	27.00	28.78
298	133	'27-Jun-15'	16	60318	178	'14:22'	8.44	83.46	33.00	32.42
299	133	'27-Jun-15'	16	60319	178	'16:03'	7.44	82.17	34.71	34.30
300	134	'29-Jun-15'	16	60350	180	'20:41'	12.00	86.20	32.51	28.87
301	134	'29-Jun-15'	16	60351	180	'22:23'	14.52	85.71	28.91	24.16
302	134	'30-Jun-15'	16	60352	181	'00:05'	14.24	85.44	25.43	19.21
303	135	'04-Jul-15'	16	60417	185	'14:32'	10.59	83.55	34.59	32.23
304	136	'15-Jul-15'	16	60565	196	'01:53'	13.39	85.18	21.28	13.18
305	136	'15-Jul-15'	16	60566	196	'03:36'	12.27	85.69	19.30	10.71
306	136	'15-Jul-15'	16	60568	196	'07:01'	12.28	88.62	15.70	12.20
307	137	'17-Jul-15'	16	60597	198	'08:17'	14.17	83.81	21.13	14.43
308	138	'26-Jul-15'	16	60723	207	'06:18'	13.88	86.37	15.38	9.03
309	139	'15-Aug-15'	16	61006	227	'07:00'	13.31	84.89	12.29	4.42
310	140	'08-Sep-15'	16	61349	251	'13:36'	12.00	84.48	15.14	12.59
311	140	'08-Sep-15'	16	61350	251	'15:17'	13.74	81.50	19.64	15.34
312	140	'08-Sep-15'	16	61351	251	'16:58'	11.40	83.50	20.81	16.10
313	140	'08-Sep-15'	16	61352	251	'18:39'	11.10	85.68	17.89	14.72
314	140	'08-Sep-15'	16	61353	251	'20:21'	11.43	84.53	17.02	11.43
315	141	'20-May-16'	16	64951	141	'11:47'	13.59	86.51	23.62	23.23
316	141	'20-May-16'	16	64956	141	'20:13'	12.09	85.59	30.77	26.98
317	142	'21-May-16'	16	64965	142	'11:33'	12.11	83.07	26.85	22.77
318	143	'24-May-16'	16	65009	145	'14:17'	15.02	82.89	30.03	29.92
319	143	'24-May-16'	16	65010	145	'15:57'	9.96	87.82	30.44	31.89

320	143	'24-May-16'	16	65011	145	'17:39'	10.84	87.29	31.85	31.79
321	144	'10-Jun-16'	16	65254	162	'22:22'	13.34	86.17	28.79	24.09
322	145	'16-Jun-16'	16	65326	168	'00:41'	12.67	85.94	24.55	17.84
323	145	'16-Jun-16'	16	65327	168	'02:23'	11.63	85.78	22.20	14.18
324	146	'21-Jul-16'	16	65826	203	'10:00'	9.07	83.60	20.86	18.05
325	146	'21-Jul-16'	16	65827	203	'11:42'	9.93	84.51	24.49	22.99
326	146	'21-Jul-16'	16	65828	203	'13:23'	8.51	83.62	27.61	27.34
327	147	'03-Aug-16'	16	66004	216	'00:17'	15.55	80.79	20.75	12.55
328	147	'03-Aug-16'	16	66005	216	'02:00'	14.22	84.49	16.92	8.53
329	147	'03-Aug-16'	16	66006	216	'03:43'	16.26	85.50	12.05	6.20