

鹿林彗星升沒時間表

Comet C/2007 N3(Lulin) Perihelion date: 2009 1 10.64180  
Perihelion distance: 1.2122880 Eccentricity: 0.9999820  
Perihelion argument: 136.86180 Inclination : 178.37300  
Long. of asc. node : 338.53530 Equinox of elements: 2000.000  
Equinox of coordin.: 2000.000  
Orbital plane crossings: 2009 2 27.121 UT ( 2h 53m UT )  
2008 8 31.703 UT ( 16h 51m UT )

TAM Longitude: E 121d31m 5s Latitude: N 25d 5m44s

DATE	RA	DEC	C-EA	C-SN	CTRIS	CTSET	MNRIS	MNSET	PHA	DAWN	ALT	AZI	NA-D	ALT	AZI	NA-T	ALT	AZI	TWIL	ALT	AZI
日期	赤經	赤緯	彗地距離	彗日距離	晝升時間	晝沒時間	月升時間	月沒時間	月相	天文曙光	仰角	方位	航海曙光	仰角	方位	航海暮光	仰角	方位	天文暮光	仰角	方位
20090101	15h59.9	-19d41m	1.82	1.22	03:46	14:31	09:36	21:27	18%	05:18	17.7	123	05:46	23	127	18:09	-48.3	268	18:37	-54.6	271
20090102	15h59.3	-19d40m	1.80	1.22	03:42	14:27	10:08	22:20	26%	05:18	18.6	123	05:46	23.8	128	18:10	-49.5	269	18:38	-55.9	272
20090103	15h58.7	-19d38m	1.78	1.22	03:37	14:22	10:39	23:15	36%	05:19	19.7	124	05:46	24.6	129	18:10	-50.5	269	18:38	-56.9	272
20090104	15h58.1	-19d36m	1.75	1.22	03:32	14:17	11:11	---	46%	05:19	20.6	125	05:47	25.6	129	18:11	-51.8	270	18:39	-58.2	273
20090105	15h57.4	-19d35m	1.73	1.22	03:28	14:13	11:47	00:09	57%	05:19	21.4	126	05:47	26.4	130	18:12	-53.1	270	18:40	-59.4	274
20090106	15h56.7	-19d33m	1.70	1.21	03:23	14:08	12:27	01:10	68%	05:19	22.3	126	05:47	27.3	131	18:12	-54.1	271	18:40	-60.5	274
20090107	15h56.0	-19d31m	1.67	1.21	03:18	14:04	13:15	02:15	78%	05:20	23.4	127	05:47	28.1	132	18:13	-55.4	272	18:41	-61.7	275
20090108	15h55.2	-19d28m	1.65	1.21	03:14	13:59	14:10	03:23	87%	05:20	24.2	128	05:48	29.1	133	18:14	-56.7	272	18:41	-62.8	276
20090109	15h54.4	-19d26m	1.62	1.21	03:09	13:55	15:14	04:32	94%	05:20	25.1	129	05:48	29.9	134	18:14	-57.7	273	18:42	-64.1	277
20090110	15h53.5	-19d24m	1.60	1.21	03:04	13:50	16:23	05:38	98%	05:20	26.0	130	05:48	30.7	135	18:15	-59.1	274	18:43	-65.4	278
20090111	15h52.6	-19d21m	1.57	1.21	02:59	13:45	17:35	06:38	99%	05:20	26.8	130	05:48	31.5	136	18:16	-60.4	275	18:43	-66.5	279
20090112	15h51.6	-19d18m	1.54	1.21	02:54	13:40	18:46	07:29	98%	05:20	27.7	131	05:48	32.3	137	18:16	-61.5	276	18:44	-67.8	280
20090113	15h50.6	-19d15m	1.51	1.21	02:49	13:35	19:52	08:14	94%	05:21	28.8	132	05:48	33.1	138	18:17	-62.8	277	18:45	-69.1	282
20090114	15h49.6	-19d12m	1.48	1.21	02:44	13:30	20:55	08:53	87%	05:21	29.6	133	05:48	33.9	139	18:18	-64.1	278	18:45	-70.2	283
20090115	15h48.4	-19d 9m	1.46	1.21	02:39	13:26	21:55	09:29	79%	05:21	30.5	134	05:48	34.7	140	18:18	-65.3	279	18:46	-71.5	285
20090116	15h47.3	-19d 5m	1.43	1.22	02:33	13:21	22:52	10:02	69%	05:21	31.4	135	05:48	35.5	141	18:19	-66.6	280	18:47	-72.8	287
20090117	15h46.0	-19d 1m	1.40	1.22	02:28	13:15	23:48	10:36	59%	05:21	32.2	136	05:48	36.3	142	18:20	-68	282	18:47	-73.9	289
20090118	15h44.7	-18d57m	1.37	1.22	02:23	13:10	---	11:10	49%	05:21	33.1	137	05:48	37	143	18:20	-69.1	283	18:48	-75.2	292
20090119	15h43.3	-18d53m	1.34	1.22	02:17	13:05	00:40	11:46	39%	05:21	34.0	138	05:48	37.8	145	18:21	-70.5	285	18:49	-76.5	295
20090120	15h41.8	-18d48m	1.31	1.22	02:12	13:00	01:36	12:26	30%	05:21	34.8	139	05:48	38.6	146	18:22	-71.9	287	18:49	-77.6	298
20090121	15h40.2	-18d43m	1.28	1.22	02:06	12:55	02:31	13:10	22%	05:21	35.7	141	05:48	39.3	147	18:22	-73	289	18:50	-78.8	303
20090122	15h38.5	-18d37m	1.25	1.23	02:00	12:49	03:25	13:57	14%	05:21	36.6	142	05:48	40.1	149	18:23	-74.4	292	18:51	-80	309
20090123	15h36.7	-18d31m	1.22	1.23	01:55	12:44	04:17	14:49	8%	05:21	37.4	143	05:48	40.8	150	18:24	-75.8	295	18:51	-80.9	315
20090124	15h34.8	-18d25m	1.19	1.23	01:48	12:38	05:05	15:43	4%	05:20	38.2	144	05:48	41.5	152	18:25	-77.1	299	18:52	-81.8	324
20090125	15h32.8	-18d18m	1.16	1.23	01:42	12:32	05:50	16:39	1%	05:20	39.0	146	05:48	42.3	153	18:25	-78.2	303	18:53	-82.5	335
20090126	15h30.6	-18d11m	1.13	1.24	01:36	12:26	06:29	17:34	0%	05:20	39.9	147	05:47	42.9	155	18:26	-79.4	310	18:53	-82.8	346
20090127	15h28.3	-18d 3m	1.10	1.24	01:30	12:20	07:06	18:29	0%	05:20	40.8	149	05:47	43.6	157	18:27	-80.5	317	18:54	-82.9	1
20090128	15h25.8	-17d54m	1.07	1.24	01:23	12:14	07:39	19:23	3%	05:20	41.6	151	05:47	44.3	159	18:27	-81.3	326	18:54	-82.6	12
20090129	15h23.2	-17d45m	1.03	1.25	01:16	12:08	08:11	20:16	7%	05:19	42.4	152	05:47	44.9	161	18:28	-82	338	18:55	-81.8	25
20090130	15h20.3	-17d34m	1.00	1.25	01:09	12:02	08:41	21:11	13%	05:19	43.2	154	05:46	45.5	162	18:28	-82.3	350	18:56	-80.8	35
20090131	15h17.3	-17d23m	0.97	1.25	01:02	11:55	09:13	22:06	21%	05:19	44.1	156	05:46	46.1	165	18:29	-82.2	4	18:56	-79.6	43
20090201	15h14.0	-17d10m	0.94	1.26	00:54	11:48	09:47	23:05	30%	05:18	44.8	158	05:46	46.7	167	18:30	-81.6	18	18:57	-78.1	49
20090202	15h10.4	-16d57m	0.91	1.26	00:46	11:41	10:24	---	41%	05:18	45.6	160	05:45	47.3	169	18:30	-80.7	28	18:57	-76.6	54
20090203	15h 6.6	-16d42m	0.88	1.27	00:38	11:34	11:07	00:03	52%	05:18	46.4	162	05:45	47.8	172	18:31	-79.4	38	18:58	-74.7	59
20090204	15h 2.4	-16d25m	0.85	1.27	00:30	11:26	11:58	01:08	63%	05:17	47.1	165	05:44	48.3	174	18:32	-77.7	46	18:59	-72.7	62
20090205	14h57.9	-16d 6m	0.82	1.27	00:21	11:19	12:56	02:14	74%	05:17	47.9	167	05:44	48.7	177	18:32	-76.1	51	18:59	-70.8	65
20090206	14h53.1	-15d46m	0.79	1.28	00:12	11:10	14:01	03:20	83%	05:16	48.6	170	05:43	49.1	180	18:33	-74	56	19:00	-68.6	68
20090207	14h47.8	-15d23m	0.76	1.28	23:55	11:02	15:11	04:21	91%	05:16	49.2	173	05:43	49.4	183	18:33	-71.9	60	19:00	-66.4	70
20090208	14h42.0	-14d58m	0.73	1.29	23:44	10:53	16:21	05:15	97%	05:16	49.8	177	05:42	49.7	187	18:34	-69.5	63	19:01	-63.8	72
20090209	14h35.7	-14d29m	0.70	1.30	23:33	10:44	17:29	06:03	99%	05:15	50.4	180	05:42	49.8	191	18:35	-66.9	66	19:02	-61.1	73
20090210	14h28.8	-13d57m	0.67	1.30	23:21	10:34	18:34	06:44	99%	05:15	50.8	185	05:41	49.8	194	18:35	-64.3	68	19:02	-58.4	75
20090211	14h21.3	-13d21m	0.64	1.31	23:08	10:24	19:36	07:22	96%	05:14	51.1	189	05:41	49.7	199	18:36	-61.3	70	19:03	-55.4	76
20090212	14h13.1	-12d41m	0.61	1.31	22:54	10:13	20:36	07:57	91%	05:13	51.3	193	05:40	49.4	203	18:36	-58.3	72	19:03	-52.3	77
20090213	14h 4.2	-11d55m	0.59	1.32	22:39	10:02	21:35	08:32	84%	05:13	51.2	198	05:40	48.8	208	18:37	-54.8	74	19:04	-48.8	78
20090214	13h54.3	-11d 3m	0.56	1.32	22:23	09:50	22:32	09:06	76%	05:12	51.0	203	05:39	48.1	213	18:38	-51.1	75	19:04	-45.3	79
20090215	13h43.6	-10d 6m	0.54	1.33	22:06	09:37	23:30	09:43	66%	05:12	50.4	209	05:38	47.2	218	18:38	-47.3	76	19:05	-41.2	80
20090216	13h31.9	-9d 0m	0.51	1.34	21:48	09:24	---	10:22	57%	05:11	49.6	215	05:38	45.8	223	18:39	-43	78	19:05	-37.1	81
20090217	13h19.1	-7d47m	0.49	1.34	21:28	09:09	00:22	11:05	47%	05:10	48.5	221	05:								

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20090319	7h13.5	21d40m	0.96	1.59	12:36	02:01	00:52	11:26	46%	04:43	-29.4	317	05:10	-33.4	323	18:54	83.6	121	19:21	86.5	194
20090320	7h10.1	21d45m	0.99	1.60	12:29	01:54	01:39	12:20	36%	04:42	-30.3	318	05:09	-34.2	324	18:55	85.2	133	19:21	85.8	218
20090321	7h 7.0	21d50m	1.03	1.61	12:22	01:47	02:22	13:14	27%	04:41	-31.2	320	05:08	-34.9	326	18:55	86.3	149	19:22	84.6	234
20090322	7h 4.2	21d54m	1.06	1.62	12:15	01:41	03:01	14:10	19%	04:40	-31.9	321	05:07	-35.6	327	18:55	86.8	173	19:22	83.3	243
20090323	7h 1.6	21d58m	1.10	1.63	12:08	01:34	03:37	15:04	12%	04:39	-32.7	322	05:06	-36.2	329	18:56	86.6	204	19:23	81.8	249
20090324	6h59.1	22d 1m	1.13	1.64	12:02	01:28	04:10	15:59	6%	04:38	-33.4	323	05:05	-36.7	330	18:56	85.9	223	19:23	80.5	253
20090325	6h56.9	22d 4m	1.16	1.64	11:56	01:22	04:43	16:55	2%	04:37	-34.0	325	05:04	-37.3	331	18:57	84.6	237	19:24	79	257
20090326	6h54.8	22d 6m	1.20	1.65	11:50	01:16	05:15	17:51	0%	04:36	-34.6	326	05:02	-37.7	332	18:57	83.5	244	19:24	77.7	259
20090327	6h52.9	22d 8m	1.23	1.66	11:44	01:10	05:48	18:50	0%	04:34	-35.1	327	05:01	-38.1	334	18:58	82.1	250	19:25	76.2	261
20090328	6h51.2	22d10m	1.27	1.67	11:38	01:05	06:25	19:51	2%	04:33	-35.6	328	05:00	-38.6	335	18:58	80.9	253	19:25	74.9	262
20090329	6h49.6	22d12m	1.30	1.68	11:33	00:59	07:05	20:55	7%	04:32	-36.1	329	04:59	-39	336	18:59	79.5	256	19:26	73.5	264
20090330	6h48.1	22d14m	1.34	1.69	11:27	00:54	07:50	22:01	14%	04:31	-36.6	330	04:58	-39.3	337	18:59	78.3	258	19:26	72.2	265
20090331	6h46.7	22d15m	1.37	1.70	11:22	00:48	08:43	23:06	23%	04:30	-37.1	331	04:57	-39.7	339	19:00	76.9	260	19:27	70.8	266
20090401	6h45.5	22d16m	1.41	1.71	11:17	00:43	09:42	---	33%	04:29	-37.5	333	04:56	-40	340	19:00	75.8	262	19:27	69.7	267
20090402	6h44.3	22d17m	1.44	1.72	11:11	00:38	10:46	00:04	44%	04:28	-37.9	334	04:55	-40.3	341	19:01	74.4	263	19:28	68.3	267
20090403	6h43.2	22d18m	1.48	1.73	11:06	00:33	11:53	01:00	56%	04:27	-38.3	335	04:54	-40.6	342	19:01	73.3	264	19:28	67.2	268
20090404	6h42.2	22d19m	1.51	1.74	11:01	00:28	12:59	01:50	67%	04:25	-38.6	335	04:53	-40.8	343	19:02	72	265	19:29	65.9	269
20090405	6h41.4	22d20m	1.54	1.75	10:57	00:23	14:03	02:33	77%	04:24	-38.9	337	04:52	-41	345	19:02	70.9	266	19:30	64.5	270
20090406	6h40.5	22d21m	1.58	1.77	10:52	00:19	15:04	03:12	86%	04:23	-39.2	338	04:51	-41.2	346	19:03	69.6	267	19:30	63.5	270
20090407	6h39.8	22d21m	1.61	1.78	10:47	00:14	16:04	03:48	92%	04:22	-39.5	339	04:49	-41.4	346	19:03	68.6	268	19:31	62.2	271
20090408	6h39.1	22d22m	1.65	1.79	10:43	00:09	17:03	04:23	97%	04:21	-39.8	340	04:48	-41.6	348	19:04	67.3	268	19:31	61.2	271
20090409	6h38.5	22d22m	1.68	1.80	10:38	00:05	18:01	04:57	99%	04:20	-40.1	341	04:47	-41.7	349	19:04	66.3	269	19:32	59.9	272
20090410	6h37.9	22d23m	1.71	1.81	10:34	00:00	19:00	05:33	99%	04:19	-40.3	342	04:46	-41.8	350	19:05	65	269	19:32	58.9	272
20090411	6h37.4	22d23m	1.75	1.82	10:29	23:56	19:58	06:11	97%	04:18	-40.6	343	04:45	-42	351	19:05	64	270	19:33	57.7	273
20090412	6h37.0	22d23m	1.78	1.83	10:25	23:51	20:57	06:52	93%	04:16	-40.7	343	04:44	-42.1	352	19:06	62.8	271	19:34	56.4	273
20090413	6h36.5	22d24m	1.81	1.84	10:20	23:47	21:53	07:36	87%	04:15	-40.9	344	04:43	-42.2	353	19:06	61.8	271	19:34	55.5	274
20090414	6h36.2	22d24m	1.85	1.85	10:16	23:43	22:46	08:25	80%	04:14	-41.1	345	04:42	-42.3	354	19:07	60.6	271	19:35	54.3	274
20090415	6h35.9	22d24m	1.88	1.86	10:12	23:38	23:35	09:16	72%	04:13	-41.3	346	04:41	-42.3	355	19:07	59.7	272	19:35	53.3	274
20090416	6h35.6	22d24m	1.91	1.87	10:08	23:34	---	10:10	63%	04:12	-41.5	347	04:40	-42.4	356	19:08	58.5	272	19:36	52.2	275
20090417	6h35.4	22d24m	1.95	1.88	10:03	23:30	00:16	11:04	53%	04:11	-41.6	348	04:39	-42.4	357	19:09	57.3	273	19:37	51	275
20090418	6h35.2	22d24m	1.98	1.89	09:59	23:26	00:56	11:58	44%	04:10	-41.8	349	04:38	-42.5	358	19:09	56.4	273	19:37	50.1	276
20090419	6h35.0	22d24m	2.01	1.90	09:55	23:22	01:32	12:52	35%	04:09	-41.9	350	04:37	-42.5	359	19:10	55.2	274	19:38	48.9	276
20090420	6h34.9	22d24m	2.04	1.91	09:51	23:18	02:06	13:46	26%	04:08	-42.0	351	04:36	-42.5	360	19:10	54.3	274	19:39	47.8	276
20090421	6h34.8	22d24m	2.07	1.92	09:47	23:14	02:39	14:41	17%	04:07	-42.1	352	04:35	-42.5	1	19:11	53.2	274	19:39	46.9	277
20090422	6h34.7	22d24m	2.11	1.93	09:43	23:10	03:11	15:37	10%	04:06	-42.2	353	04:34	-42.5	2	19:11	52.3	275	19:40	45.8	277
20090423	6h34.7	22d24m	2.14	1.94	09:39	23:06	03:44	16:35	4%	04:05	-42.3	354	04:33	-42.5	3	19:12	51.2	275	19:41	44.6	277
20090424	6h34.7	22d24m	2.17	1.95	09:35	23:02	04:20	17:36	1%	04:04	-42.3	355	04:32	-42.4	4	19:12	50.3	275	19:41	43.8	278
20090425	6h34.7	22d24m	2.20	1.96	09:31	22:58	04:59	18:40	0%	04:02	-42.4	355	04:31	-42.4	4	19:13	49.2	276	19:42	42.7	278
20090426	6h34.7	22d24m	2.23	1.98	09:27	22:54	05:43	19:47	1%	04:01	-42.4	356	04:30	-42.3	5	19:14	48.1	276	19:43	41.6	278
20090427	6h34.8	22d24m	2.26	1.99	09:24	22:50	06:35	20:54	5%	04:00	-42.5	357	04:29	-42.3	6	19:14	47.2	277	19:43	40.7	279
20090428	6h34.9	22d24m	2.29	2.00	09:20	22:47	07:33	21:59	12%	03:59	-42.5	358	04:28	-42.2	7	19:15	46.1	277	19:44	39.6	279
20090429	6h35.0	22d24m	2.32	2.01	09:16	22:43	08:37	22:59	20%	03:58	-42.5	359	04:28	-42.1	8	19:15	45.2	277	19:45	38.5	279
20090430	6h35.1	22d23m	2.35	2.02	09:12	22:39	09:44	23:51	30%	03:58	-42.5	0	04:27	-42	9	19:16	44.2	278	19:45	37.7	280
20090501	6h35.3	22d23m	2.38	2.03	09:08	22:35	10:52	---	42%	03:57	-42.5	1	04:26	-41.9	10	19:17	43.1	278	19:46	36.6	280
20090502	6h35.4	22d23m	2.41	2.04	09:05	22:31	11:56	00:33	53%	03:56	-42.5	2	04:25	-41.8	11	19:17	42.3	278	19:47	35.5	280
20090503	6h35.6	22d23m	2.44	2.05	09:01	22:28	12:58	01:13	64%	03:55	-42.5	3	04:24	-41.6	12	19:18	41.2	279	19:47	34.7	281
20090504	6h35.8	22d22m	2.47	2.06	08:57	22:24	13:57	01:49	74%	03:54	-42.5	4	04:23	-41.5	13	19:19	40.1	279	19:48	33.6	281
20090505	6h36.0	22d22m	2.50	2.07	08:53	22:20	14:55	02:23	83%	03:53	-42.4	5	04:23	-41.3	14	19:19	39.3	279	19:49	32.6	281
20090506	6h36.3	22d22m	2.53	2.08	08:50	22:17	15:52	02:57	90%	03:52	-42.4	5	04:22	-41.2	15	19:20	38.3	280	19:50	31.6	282
20090507	6h36.5	22d22m	2.56	2.09	08:46	22:13	16:49	03:31	95%	03:51	-42.3	6	04:21	-41	15	19:20	37.4	280	19:50	30.7	282
20090508	6h36.8	22d21m	2.59	2.11	08:42	22:09	17:47	04:07	98%	03:50	-42.2	7	04:20	-40.9	16	19:21	36.4	280	19:51	29.7	282
20090509	6h37.0	22d21m	2.62	2.12	08:39	22:05	18:45	04:47	99%	03:49	-42.2	8	04:19	-40.7	17	19:22	35.3	281	19:52	28.7	283
20090510	6h37.3	22d20m	2.64	2.13	08:35	22:02	19:42	05:30	99%	03:49	-42.0	9	04:19	-40.5	18	19:22	34.5	281	19:52	27.9	283
20090511	6h37.6	22d20m	2.67	2.14	08:31	21:58	20:37	06:17	96%	03:48	-42.0	10	04:18	-40.3	19	19:23	33.5	281	19:53	26.8	283
20090512	6h37.9	22d20m	2.70	2.15	08:28	21:55	21:28	07:08	91%	03:47	-41.9	11	04:17	-40.1	20	19:24	32.5	282	19:54	25.8	284
20090513	6h38.2	22d19m	2.73	2.16	08:24	21:51	22:14	08:01	85%	03:46	-41.8	11	04:17	-39.8	21	19:24	31.7	282	19:55	24.8	284
20090514	6h38.6	22d19m	2.75	2.17	08:21	21:47	22:56	08:55	78%	03:46	-41.6	13	04:16	-39.6	21	19:25	30.6	282	19:55	24	285
20090515	6h38.9	22d19m	2.78	2.18	08:17	21:44	23:33	09:49	70%	03:45	-41.5	13	04:15	-39.4	22	19:25	29.8	282	19:56	23	285
20090516	6h39.3	22d18m	2.81	2.19	08:14	21:40	---	10:43	61%	03:44	-41.3	14	04:15	-39.1</							

鹿林彗星升沒時間表

20090616	6h53.1	21d59m	3.49	2.54	06:22	19:51	--:--	12:06	47%	03:35	-31.2	40	04:07	-26.3	46	19:42	1.9	293	20:15	-4.9	297
20090617	6h53.6	21d58m	3.50	2.55	06:19	19:48	00:09	13:02	37%	03:35	-30.7	41	04:07	-25.7	47	19:42	1.2	294	20:15	-5.6	297
20090618	6h54.0	21d57m	3.52	2.56	06:15	19:44	00:43	14:00	27%	03:35	-30.3	41	04:07	-25.2	47	19:43	0.3	294	20:15	-6.3	298
20090619	6h54.5	21d56m	3.54	2.57	06:12	19:41	01:22	15:03	18%	03:35	-29.7	42	04:07	-24.6	48	19:43	-0.4	295	20:16	-7.1	298
20090620	6h55.0	21d56m	3.55	2.58	06:08	19:37	02:07	16:10	10%	03:35	-29.2	43	04:08	-23.8	49	19:43	-1.2	295	20:16	-7.8	299
20090621	6h55.5	21d55m	3.57	2.59	06:05	19:34	02:59	17:19	4%	03:35	-28.7	43	04:08	-23.3	49	19:43	-1.9	295	20:16	-8.5	299
20090622	6h56.0	21d54m	3.59	2.60	06:02	19:30	04:00	18:26	0%	03:36	-28.0	44	04:08	-22.7	50	19:44	-2.8	296	20:16	-9.2	300
20090623	6h56.5	21d53m	3.60	2.61	05:58	19:27	05:07	19:28	0%	03:36	-27.5	45	04:08	-22.1	51	19:44	-3.5	296	20:16	-9.9	300
20090624	6h57.0	21d52m	3.62	2.62	05:55	19:23	06:18	20:23	2%	03:36	-26.9	46	04:09	-21.3	51	19:44	-4.2	297	20:17	-10.8	301
20090625	6h57.5	21d51m	3.63	2.63	05:51	19:20	07:29	21:10	8%	03:36	-26.4	46	04:09	-20.7	52	19:44	-4.9	297	20:17	-11.5	301
20090626	6h58.0	21d50m	3.64	2.65	05:48	19:17	08:37	21:51	15%	03:37	-25.6	47	04:09	-20.1	52	19:44	-5.6	297	20:17	-12.1	301
20090627	6h58.5	21d50m	3.66	2.66	05:45	19:13	09:42	22:29	25%	03:37	-25.1	48	04:09	-19.5	53	19:44	-6.3	298	20:17	-12.8	302
20090628	6h58.9	21d49m	3.67	2.67	05:41	19:10	10:43	23:03	35%	03:37	-24.5	48	04:10	-18.7	54	19:44	-7	298	20:17	-13.5	302
20090629	6h59.4	21d48m	3.69	2.68	05:38	19:06	11:42	23:38	46%	03:38	-23.7	49	04:10	-18.1	54	19:44	-7.7	298	20:17	-14.2	303
20090630	6h59.9	21d47m	3.70	2.69	05:34	19:03	12:39	--:--	57%	03:38	-23.2	50	04:11	-17.2	55	19:45	-8.6	299	20:17	-14.8	303
20090701	7h 0.4	21d46m	3.71	2.70	05:31	18:59	13:36	00:09	67%	03:38	-22.6	50	04:11	-16.6	55	19:45	-9.3	299	20:17	-15.5	304
20090702	7h 0.9	21d45m	3.72	2.71	05:27	18:56	14:33	00:46	76%	03:39	-21.8	51	04:11	-16	56	19:44	-9.8	300	20:17	-16.1	304
20090703	7h 1.4	21d44m	3.74	2.72	05:24	18:52	15:30	01:26	84%	03:39	-21.2	52	04:12	-15.1	57	19:44	-10.5	300	20:17	-16.8	305
20090704	7h 1.8	21d43m	3.75	2.73	05:21	18:49	16:25	02:09	90%	03:40	-20.4	52	04:12	-14.5	57	19:44	-11.2	301	20:17	-17.5	305
20090705	7h 2.3	21d42m	3.76	2.74	05:17	18:45	17:18	02:57	95%	03:40	-19.8	53	04:13	-13.6	58	19:44	-11.9	301	20:16	-17.9	305
20090706	7h 2.8	21d42m	3.77	2.76	05:14	18:42	18:07	03:49	98%	03:41	-19.0	54	04:13	-13	58	19:44	-12.5	301	20:16	-18.6	306
20090707	7h 3.2	21d41m	3.78	2.77	05:10	18:38	18:52	04:42	99%	03:41	-18.4	54	04:13	-12.3	59	19:44	-13.2	302	20:16	-19.2	307
20090708	7h 3.7	21d40m	3.79	2.78	05:07	18:35	19:32	05:37	99%	03:42	-17.5	55	04:14	-11.4	59	19:44	-13.9	302	20:16	-19.9	307
20090709	7h 4.2	21d39m	3.80	2.79	05:03	18:31	20:08	06:31	97%	03:42	-16.9	55	04:14	-10.8	60	19:44	-14.6	303	20:16	-20.5	308
20090710	7h 4.6	21d38m	3.81	2.80	05:00	18:28	20:41	07:24	93%	03:43	-16.1	56	04:15	-9.9	60	19:43	-15	303	20:15	-20.9	308
20090711	7h 5.1	21d37m	3.82	2.81	04:57	18:24	21:13	08:16	87%	03:44	-15.3	57	04:15	-9.2	61	19:43	-15.7	304	20:15	-21.6	308
20090712	7h 5.5	21d36m	3.83	2.82	04:53	18:21	21:43	09:08	80%	03:44	-14.6	57	04:16	-8.4	61	19:43	-16.4	304	20:15	-22.2	309
20090713	7h 6.0	21d35m	3.84	2.83	04:50	18:17	22:13	10:00	72%	03:45	-13.8	58	04:16	-7.7	62	19:43	-17	305	20:14	-22.6	309
20090714	7h 6.4	21d34m	3.85	2.84	04:46	18:14	22:46	10:53	63%	03:45	-13.1	58	04:17	-6.8	62	19:42	-17.5	305	20:14	-23.3	310
20090715	7h 6.9	21d33m	3.86	2.85	04:43	18:10	23:21	11:49	52%	03:46	-12.2	59	04:18	-5.9	63	19:42	-18.2	305	20:14	-23.9	311
20090716	7h 7.3	21d32m	3.87	2.87	04:39	18:07	--:--	12:48	42%	03:47	-11.4	60	04:18	-5.2	63	19:42	-18.8	306	20:13	-24.3	311
20090717	7h 7.7	21d31m	3.88	2.88	04:36	18:03	00:00	13:51	31%	03:47	-10.7	60	04:19	-4.3	64	19:41	-19.3	306	20:13	-24.9	312
20090718	7h 8.2	21d30m	3.88	2.89	04:32	17:59	00:45	14:57	21%	03:48	-9.8	61	04:19	-3.6	64	19:41	-19.9	307	20:12	-25.4	312
20090719	7h 8.6	21d29m	3.89	2.90	04:29	17:56	01:40	16:04	12%	03:48	-9.1	61	04:20	-2.6	65	19:40	-20.4	307	20:12	-26	313