

GOMOS Daily Report 21-JUN-2011

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	26JUN2011 07:07:03
Data source version	GOMOS/6.01
Start time of products	21JUN2011 00:00:06
Stop time of products	21JUN2011 23:58:50
Store outputs in DB	Yes
Nb of level 1b prods	257
Nb of prods with errors	1

2. Summary of products arrived in PCF (Product Control Facility)

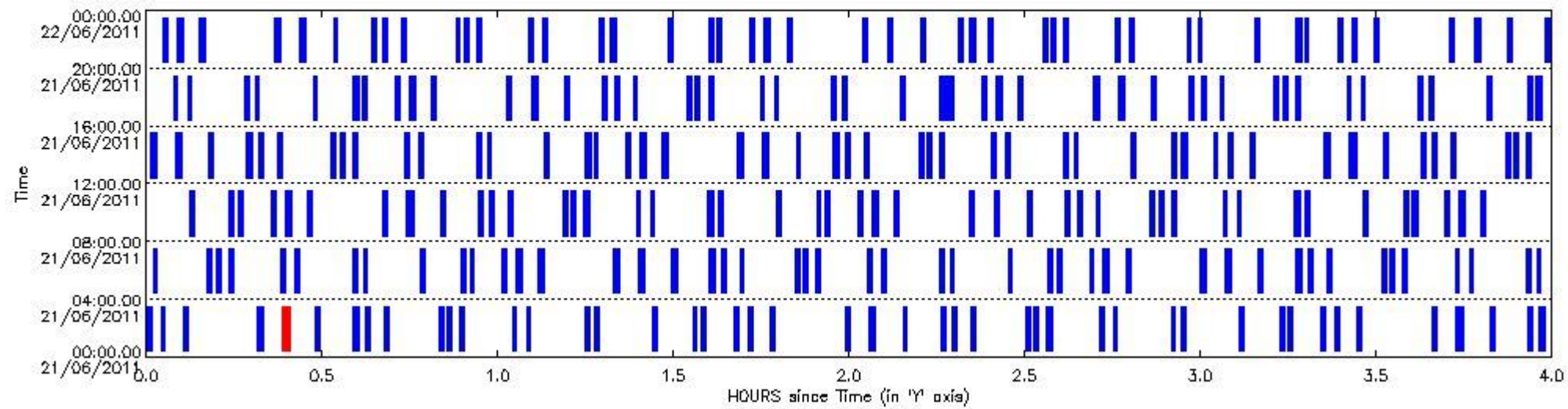
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

UTC start time	Star name	Star ID	Orbit
21-JUN-2011 00:23:18	16BetCet	52	48665

2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110621_000006_000000443103_00375_48665_7217.N1	21-JUN-2011 00:00:06	Bright	44.000	73	57Gam1And	2.2600	13100.	88	48665	No
2	GOM_TRA_1PNPDE20110621_000229_000000453103_00375_48665_7218.N1	21-JUN-2011 00:02:29	Bright	44.500	173	4Bet Tri	3.0040	8900.0	89	48665	No
3	GOM_TRA_1PNPDE20110621_000615_000000533103_00375_48665_7219.N1	21-JUN-2011 00:06:15	Twilight	53.000	50	13Alp Ari	2.0070	4250.0	106	48665	No
4	GOM_TRA_1PNPDE20110621_002856_000000483103_00375_48665_7230.N1	21-JUN-2011 00:28:56	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48665	No
5	GOM_TRA_1PNPDE20110621_003520_000000543103_00376_48666_7231.N1	21-JUN-2011 00:35:20	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	48666	No
6	GOM_TRA_1PNPDE20110621_003723_000000523103_00376_48666_7232.N1	21-JUN-2011 00:37:23	Straylight	52.000	31	Alp Gru	1.7340	15200.	104	48666	No
7	GOM_TRA_1PNPDE20110621_004039_000000433103_00376_48666_7233.N1	21-JUN-2011 00:40:39	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48666	No
8	GOM_TRA_1PNPDE20110621_004957_000000503103_00376_48666_7234.N1	21-JUN-2011 00:49:57	Twilight_and_stray	49.500	38	20Eps Sgr	1.8360	11000.	99	48666	No
9	GOM_TRA_1PNPDE20110621_005123_000000493103_00376_48666_7235.N1	21-JUN-2011 00:51:23	Twilight_and_stray	49.000	116	19Del Sgr	2.7000	4100.0	98	48666	No
10	GOM_TRA_1PNPDE20110621_005333_000000513103_00376_48666_7236.N1	21-JUN-2011 00:53:33	Bright	51.000	155	41Pi Sgr	2.9000	6600.0	102	48666	No

11	GOM_TRA_1PNPDE20110621_010230_000000413103_00376_48666_7237.N1	21-JUN-2011 01:02:30	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	48666	No
12	GOM_TRA_1PNPDE20110621_010455_000000433103_00376_48666_7238.N1	21-JUN-2011 01:04:55	Bright	43.000	59	55Alp Oph	2.0800	8900.0	86	48666	No
13	GOM_TRA_1PNPDE20110621_011446_000000503103_00376_48666_7239.N1	21-JUN-2011 01:14:46	Bright	50.000	5	3Alp Lyr	0.033000	11000.	100	48666	No
14	GOM_TRA_1PNPDE20110621_011634_000000383103_00376_48666_7240.N1	21-JUN-2011 01:16:34	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	48666	No
15	GOM_TRA_1PNPDE20110621_012626_000000463103_00376_48666_7241.N1	21-JUN-2011 01:26:26	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48666	No
16	GOM_TRA_1PNPDE20110621_013317_000000473103_00376_48666_7242.N1	21-JUN-2011 01:33:17	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	48666	No
17	GOM_TRA_1PNPDE20110621_013447_000000433103_00376_48666_7243.N1	21-JUN-2011 01:34:47	Bright	42.500	68	18Alp Cas	2.2250	4500.0	85	48666	No
18	GOM_TRA_1PNPDE20110621_014020_000000443103_00376_48666_7244.N1	21-JUN-2011 01:40:20	Bright	43.500	73	57Gam1And	2.2600	13100.	87	48666	No
19	GOM_TRA_1PNPDE20110621_014243_000000473103_00376_48666_7245.N1	21-JUN-2011 01:42:43	Bright	46.500	173	4Bet Tri	3.0040	8900.0	93	48666	No
20	GOM_TRA_1PNPDE20110621_014629_000000503103_00376_48666_7246.N1	21-JUN-2011 01:46:29	Twilight	49.500	50	13Alp Ari	2.0070	4250.0	99	48666	No
21	GOM_TRA_1PNPDE20110621_020325_000000603103_00376_48666_7254.N1	21-JUN-2011 02:03:25	Dark	59.500	52	16Bet Cet	2.0370	4500.0	119	48666	No
22	GOM_TRA_1PNPDE20110621_020911_000000443103_00376_48666_7255.N1	21-JUN-2011 02:09:11	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	48666	No
23	GOM_TRA_1PNPDE20110621_021535_000000503103_00377_48667_7256.N1	21-JUN-2011 02:15:35	Dark	50.000	63	Bet Gru	2.1500	2800.0	100	48667	No
24	GOM_TRA_1PNPDE20110621_021738_000000493103_00377_48667_7257.N1	21-JUN-2011 02:17:38	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48667	No
25	GOM_TRA_1PNPDE20110621_022054_000000423103_00377_48667_7258.N1	21-JUN-2011 02:20:54	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48667	No
26	GOM_TRA_1PNPDE20110621_023011_000000483103_00377_48667_7259.N1	21-JUN-2011 02:30:11	Tw_i_and_stray	47.500	38	20Eps Sgr	1.8360	11000.	95	48667	No
27	GOM_TRA_1PNPDE20110621_023137_000000483103_00377_48667_7260.N1	21-JUN-2011 02:31:37	Tw_i_and_stray	48.000	116	19Del Sgr	2.7000	4100.0	96	48667	No
28	GOM_TRA_1PNPDE20110621_023347_000000523103_00377_48667_7261.N1	21-JUN-2011 02:33:47	Bright	51.500	155	41Pi Sgr	2.9000	6600.0	103	48667	No
29	GOM_TRA_1PNPDE20110621_024244_000000433103_00377_48667_7262.N1	21-JUN-2011 02:42:44	Bright	43.000	126	60Bet Oph	2.7700	4250.0	86	48667	No
30	GOM_TRA_1PNPDE20110621_024509_000000413103_00377_48667_7263.N1	21-JUN-2011 02:45:09	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	48667	No
31	GOM_TRA_1PNPDE20110621_025500_000000453103_00377_48667_7264.N1	21-JUN-2011 02:55:00	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	48667	No
32	GOM_TRA_1PNPDE20110621_025648_000000373103_00377_48667_7265.N1	21-JUN-2011 02:56:48	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	48667	No
33	GOM_TRA_1PNPDE20110621_030639_000000453103_00377_48667_7266.N1	21-JUN-2011 03:06:39	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48667	No
34	GOM_TRA_1PNPDE20110621_031330_000000543103_00377_48667_7281.N1	21-JUN-2011 03:13:30	Bright	54.000	74	11Bet Cas	2.2680	6600.0	108	48667	No
35	GOM_TRA_1PNPDE20110621_031500_000000473103_00377_48667_7282.N1	21-JUN-2011 03:15:00	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	48667	No
36	GOM_TRA_1PNPDE20110621_032034_000000443103_00377_48667_7283.N1	21-JUN-2011 03:20:34	Bright	44.000	73	57Gam1And	2.2600	13100.	88	48667	No
37	GOM_TRA_1PNPDE20110621_032257_000000463103_00377_48667_7284.N1	21-JUN-2011 03:22:57	Bright	46.000	173	4Bet Tri	3.0040	8900.0	92	48667	No
38	GOM_TRA_1PNPDE20110621_032643_000000493103_00377_48667_7285.N1	21-JUN-2011 03:26:43	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	48667	No
39	GOM_TRA_1PNPDE20110621_034341_000000683103_00377_48667_7286.N1	21-JUN-2011 03:43:41	Dark	68.000	52	16Bet Cet	2.0370	4500.0	136	48667	No
40	GOM_TRA_1PNPDE20110621_034926_000000483103_00377_48667_7287.N1	21-JUN-2011 03:49:26	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48667	No
41	GOM_TRA_1PNPDE20110621_035550_000000593103_00378_48668_7288.N1	21-JUN-2011 03:55:50	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	48668	No
42	GOM_TRA_1PNPDE20110621_035753_000000523103_00378_48668_7289.N1	21-JUN-2011 03:57:53	Straylight	52.000	31	Alp Gru	1.7340	15200.	104	48668	No
43	GOM_TRA_1PNPDE20110621_040109_000000433103_00378_48668_7290.N1	21-JUN-2011 04:01:09	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48668	No
44	GOM_TRA_1PNPDE20110621_041026_000000473103_00378_48668_7291.N1	21-JUN-2011 04:10:26	Tw_i_and_stray	46.500	38	20Eps Sgr	1.8360	11000.	93	48668	No
45	GOM_TRA_1PNPDE20110621_041151_000000483103_00378_48668_7292.N1	21-JUN-2011 04:11:51	Tw_i_and_stray	48.000	116	19Del Sgr	2.7000	4100.0	96	48668	No
46	GOM_TRA_1PNPDE20110621_041401_000000513103_00378_48668_7293.N1	21-JUN-2011 04:14:01	Bright	50.500	155	41Pi Sgr	2.9000	6600.0	101	48668	No
47	GOM_TRA_1PNPDE20110621_042258_000000433103_00378_48668_7294.N1	21-JUN-2011 04:22:58	Bright	42.500	126	60Bet Oph	2.7700	4250.0	85	48668	No
48	GOM_TRA_1PNPDE20110621_042523_000000413103_00378_48668_7295.N1	21-JUN-2011 04:25:23	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48668	No
49	GOM_TRA_1PNPDE20110621_043513_000000533103_00378_48668_7296.N1	21-JUN-2011 04:35:13	Bright	53.000	5	3Alp Lyr	0.033000	11000.	106	48668	No
50	GOM_TRA_1PNPDE20110621_043702_000000413103_00378_48668_7297.N1	21-JUN-2011 04:37:02	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	48668	No
51	GOM_TRA_1PNPDE20110621_044652_000000453103_00378_48668_7298.N1	21-JUN-2011 04:46:52	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48668	No
52	GOM_TRA_1PNPDE20110621_045344_000000473103_00378_48668_7295.N1	21-JUN-2011 04:53:44	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	48668	No
53	GOM_TRA_1PNPDE20110621_045514_000000463103_00378_48668_7296.N1	21-JUN-2011 04:55:14	Bright	46.000	68	18Alp Cas	2.2250	4500.0	92	48668	No
54	GOM_TRA_1PNPDE20110621_050048_000000443103_00378_48668_7297.N1	21-JUN-2011 05:00:48	Bright	44.000	73	57Gam1And	2.2600	13100.	88	48668	No
55	GOM_TRA_1PNPDE20110621_050312_000000583103_00378_48668_7298.N1	21-JUN-2011 05:03:12	Tw_i_and_stray	57.500	53	43Bet And	2.0480	3300.0	115	48668	No
56	GOM_TRA_1PNPDE20110621_050658_000000523103_00378_48668_7299.N1	21-JUN-2011 05:06:58	Twilight	51.500	50	13Alp Ari	2.0070	4250.0	103	48668	No
57	GOM_TRA_1PNPDE20110621_052356_000000623103_00378_48668_7300.N1	21-JUN-2011 05:23:56	Dark	62.000	52	16Bet Cet	2.0370	4500.0	124	48668	No
58	GOM_TRA_1PNPDE20110621_052941_000000573103_00378_48668_7301.N1	21-JUN-2011 05:29:41	Dark	57.000	84	Alp Phe	2.3970	4500.0	114	48668	No
59	GOM_TRA_1PNPDE20110621_053605_000000583103_00379_48669_7302.N1	21-JUN-2011 05:36:05	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	48669	No
60	GOM_TRA_1PNPDE20110621_053808_000000523103_00379_48669_7303.N1	21-JUN-2011 05:38:08	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	48669	No
61	GOM_TRA_1PNPDE20110621_054123_000000413103_00379_48669_7304.N1	21-JUN-2011 05:41:23	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48669	No
62	GOM_TRA_1PNPDE20110621_055040_000000493103_00379_48669_7305.N1	21-JUN-2011 05:50:40	Tw_i_and_stray	48.500	38	20Eps Sgr	1.8360	11000.	97	48669	No
63	GOM_TRA_1PNPDE20110621_055206_000000483103_00379_48669_7306.N1	21-JUN-2011 05:52:06	Tw_i_and_stray	47.500	116	19Del Sgr	2.7000	4100.0	95	48669	No
64	GOM_TRA_1PNPDE20110621_055416_000000523103_00379_48669_7307.N1	21-JUN-2011 05:54:16	Bright	52.000	155	41Pi Sgr	2.9000	6600.0	104	48669	No
65	GOM_TRA_1PNPDE20110621_060312_000000413103_00379_48669_7308.N1	21-JUN-2011 06:03:12	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	48669	No
66	GOM_TRA_1PNPDE20110621_060537_000000413103_00379_48669_7309.N1	21-JUN-2011 06:05:37	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	48669	No
67	GOM_TRA_1PNPDE20110621_061526_000000503103_00379_48669_7310.N1	21-JUN-2011 06:15:26	Bright	50.000	5	3Alp Lyr	0.033000	11000.	100	48669	No
68	GOM_TRA_1PNPDE20110621_061715_000000403103_00379_48669_7311.N1	21-JUN-2011 06:17:15	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	48669	No
69	GOM_TRA_1PNPDE20110621_062706_000000483103_00379_48669_7312.N1	21-JUN-2011 06:27:06	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48669	No

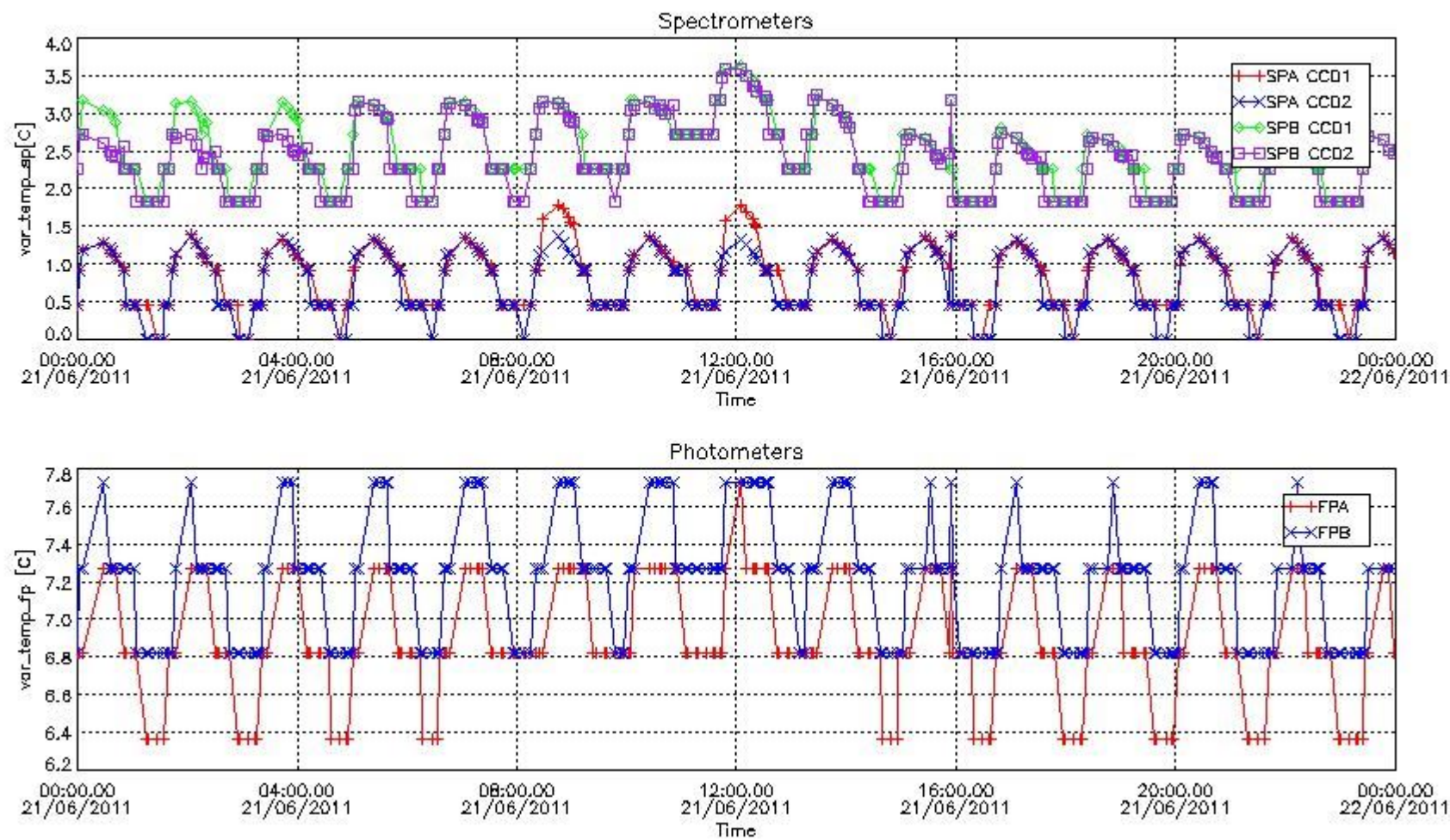
70	GOM_TRA_1PNPDK20110621_063358_000000463103_00379_48669_7289.N1	21-JUN-2011 06:33:58	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	48669	No
71	GOM_TRA_1PNPDK20110621_063528_000000473103_00379_48669_7290.N1	21-JUN-2011 06:35:28	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	48669	No
72	GOM_TRA_1PNPDK20110621_064102_000000443103_00379_48669_7291.N1	21-JUN-2011 06:41:02	Bright	43.500	73	57Gam1And	2.2600	13100.	87	48669	No
73	GOM_TRA_1PNPDK20110621_064325_000000613103_00379_48669_7292.N1	21-JUN-2011 06:43:25	Twilight	60.500	53	43Bet And	2.0480	3300.0	121	48669	No
74	GOM_TRA_1PNPDK20110621_064712_000000513103_00379_48669_7293.N1	21-JUN-2011 06:47:12	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	48669	No
75	GOM_TRA_1PNPDK20110621_070412_000000603103_00379_48669_7294.N1	21-JUN-2011 07:04:12	Dark	60.000	52	16Bet Cet	2.0370	4500.0	120	48669	No
76	GOM_TRA_1PNPDK20110621_070956_000000473103_00379_48669_7295.N1	21-JUN-2011 07:09:56	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	48669	No
77	GOM_TRA_1PNPDK20110621_071621_000000673103_00380_48670_7296.N1	21-JUN-2011 07:16:21	Dark	66.500	63	Bet Gru	2.1500	2800.0	133	48670	No
78	GOM_TRA_1PNPDK20110621_071823_000000493103_00380_48670_7297.N1	21-JUN-2011 07:18:23	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48670	No
79	GOM_TRA_1PNPDK20110621_072138_000000413103_00380_48670_7298.N1	21-JUN-2011 07:21:38	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48670	No
80	GOM_TRA_1PNPDK20110621_073054_000000483103_00380_48670_7299.N1	21-JUN-2011 07:30:54	Twilight	48.000	38	20Eps Sgr	1.8360	11000.	96	48670	No
81	GOM_TRA_1PNPDK20110621_073220_000000533103_00380_48670_7300.N1	21-JUN-2011 07:32:20	Twilight	52.500	116	19Del Sgr	2.7000	4100.0	105	48670	No
82	GOM_TRA_1PNPDK20110621_073430_000000513103_00380_48670_7301.N1	21-JUN-2011 07:34:30	Bright	51.000	155	41Pi Sgr	2.9000	6600.0	102	48670	No
83	GOM_TRA_1PNPDK20110621_074326_000000403103_00380_48670_7320.N1	21-JUN-2011 07:43:26	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48670	No
84	GOM_TRA_1PNPDK20110621_074551_000000403103_00380_48670_7321.N1	21-JUN-2011 07:45:51	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	48670	No
85	GOM_TRA_1PNPDK20110621_075539_000000533103_00380_48670_7322.N1	21-JUN-2011 07:55:39	Bright	53.000	5	3Alp Lyr	0.033000	11000.	106	48670	No
86	GOM_TRA_1PNPDK20110621_075729_000000403103_00380_48670_7323.N1	21-JUN-2011 07:57:29	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48670	No
87	GOM_TRA_1PNPDK20110621_080719_000000473103_00380_48670_7324.N1	21-JUN-2011 08:07:19	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48670	No
88	GOM_TRA_1PNPDK20110621_081411_000000473103_00380_48670_7325.N1	21-JUN-2011 08:14:11	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	48670	No
89	GOM_TRA_1PNPDK20110621_081542_000000483103_00380_48670_7326.N1	21-JUN-2011 08:15:42	Bright	47.500	68	18Alp Cas	2.2250	4500.0	95	48670	No
90	GOM_TRA_1PNPDK20110621_082116_000000453103_00380_48670_7327.N1	21-JUN-2011 08:21:16	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48670	No
91	GOM_TRA_1PNPDK20110621_082339_000000623103_00380_48670_7328.N1	21-JUN-2011 08:23:39	Twilight	61.500	53	43Bet And	2.0480	3300.0	123	48670	No
92	GOM_TRA_1PNPDK20110621_082726_000000523103_00380_48670_7329.N1	21-JUN-2011 08:27:26	Twilight	52.000	50	13Alp Ari	2.0070	4250.0	104	48670	No
93	GOM_TRA_1PNPDK20110621_084427_000000733103_00380_48670_7330.N1	21-JUN-2011 08:44:27	Dark	72.500	52	16Bet Cet	2.0370	4500.0	145	48670	No
94	GOM_TRA_1PNPDK20110621_085011_000000463103_00380_48670_7331.N1	21-JUN-2011 08:50:11	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48670	No
95	GOM_TRA_1PNPDK20110621_085635_000000573103_00381_48671_7332.N1	21-JUN-2011 08:56:35	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	48671	No
96	GOM_TRA_1PNPDK20110621_085838_000000503103_00381_48671_7333.N1	21-JUN-2011 08:58:38	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48671	No
97	GOM_TRA_1PNPDK20110621_090152_000000443103_00381_48671_7334.N1	21-JUN-2011 09:01:52	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48671	No
98	GOM_TRA_1PNPDK20110621_091109_000000443103_00381_48671_7335.N1	21-JUN-2011 09:11:09	Twilight	43.500	38	20Eps Sgr	1.8360	11000.	87	48671	No
99	GOM_TRA_1PNPDK20110621_091234_000000503103_00381_48671_7336.N1	21-JUN-2011 09:12:34	Twilight	49.500	116	19Del Sgr	2.7000	4100.0	99	48671	No
100	GOM_TRA_1PNPDK20110621_091444_000000523103_00381_48671_7337.N1	21-JUN-2011 09:14:44	Bright	51.500	155	41Pi Sgr	2.9000	6600.0	103	48671	No
101	GOM_TRA_1PNPDK20110621_092340_000000403103_00381_48671_7351.N1	21-JUN-2011 09:23:40	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48671	No
102	GOM_TRA_1PNPDK20110621_092605_000000413103_00381_48671_7352.N1	21-JUN-2011 09:26:05	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	48671	No
103	GOM_TRA_1PNPDK20110621_093553_000000553103_00381_48671_7353.N1	21-JUN-2011 09:35:53	Bright	54.500	5	3Alp Lyr	0.033000	11000.	109	48671	No
104	GOM_TRA_1PNPDK20110621_093743_000000383103_00381_48671_7354.N1	21-JUN-2011 09:37:43	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	48671	No
105	GOM_TRA_1PNPDK20110621_094733_000000473103_00381_48671_7355.N1	21-JUN-2011 09:47:33	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48671	No
106	GOM_TRA_1PNPDK20110621_095425_000000473103_00381_48671_7356.N1	21-JUN-2011 09:54:25	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	48671	No
107	GOM_TRA_1PNPDK20110621_095555_000000473103_00381_48671_7357.N1	21-JUN-2011 09:55:55	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	48671	No
108	GOM_TRA_1PNPDK20110621_100130_000000443103_00381_48671_7358.N1	21-JUN-2011 10:01:30	Bright	43.500	73	57Gam1And	2.2600	13100.	87	48671	No
109	GOM_TRA_1PNPDK20110621_100354_000000603103_00381_48671_7359.N1	21-JUN-2011 10:03:54	Twilight	60.000	53	43Bet And	2.0480	3300.0	120	48671	No
110	GOM_TRA_1PNPDK20110621_100741_000000533103_00381_48671_7360.N1	21-JUN-2011 10:07:41	Twilight	52.500	50	13Alp Ari	2.0070	4250.0	105	48671	No
111	GOM_TRA_1PNPDK20110621_102442_000000633103_00381_48671_7361.N1	21-JUN-2011 10:24:42	Dark	63.000	52	16Bet Cet	2.0370	4500.0	126	48671	No
112	GOM_TRA_1PNPDK20110621_103026_000000463103_00381_48671_7362.N1	21-JUN-2011 10:30:26	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48671	No
113	GOM_TRA_1PNPDK20110621_103650_000000523103_00382_48672_7363.N1	21-JUN-2011 10:36:50	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48672	No
114	GOM_TRA_1PNPDK20110621_103853_000000553103_00382_48672_7364.N1	21-JUN-2011 10:38:53	Straylight	54.500	31	Alp Gru	1.7340	15200.	109	48672	No
115	GOM_TRA_1PNPDK20110621_104207_000000443103_00382_48672_7365.N1	21-JUN-2011 10:42:07	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	48672	No
116	GOM_TRA_1PNPDK20110621_105123_000000473103_00382_48672_7366.N1	21-JUN-2011 10:51:23	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	48672	No
117	GOM_TRA_1PNPDK20110621_105248_000000493103_00382_48672_7367.N1	21-JUN-2011 10:52:48	Twilight	49.000	116	19Del Sgr	2.7000	4100.0	98	48672	No
118	GOM_TRA_1PNPDK20110621_105458_000000513103_00382_48672_7368.N1	21-JUN-2011 10:54:58	Bright	51.000	155	41Pi Sgr	2.9000	6600.0	102	48672	No
119	GOM_TRA_1PNPDK20110621_110354_000000403103_00382_48672_7374.N1	21-JUN-2011 11:03:54	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	48672	No
120	GOM_TRA_1PNPDK20110621_110618_000000403103_00382_48672_7375.N1	21-JUN-2011 11:06:18	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	48672	No
121	GOM_TRA_1PNPDK20110621_111606_000000503103_00382_48672_7376.N1	21-JUN-2011 11:16:06	Bright	50.000	5	3Alp Lyr	0.033000	11000.	100	48672	No
122	GOM_TRA_1PNPDK20110621_111756_000000403103_00382_48672_7377.N1	21-JUN-2011 11:17:56	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	48672	No
123	GOM_TRA_1PNPDK20110621_112746_000000463103_00382_48672_7378.N1	21-JUN-2011 11:27:46	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48672	No
124	GOM_TRA_1PNPDK20110621_113438_000000543103_00382_48672_7379.N1	21-JUN-2011 11:34:38	Bright	53.500	74	11Bet Cas	2.2680	6600.0	107	48672	No
125	GOM_TRA_1PNPDK20110621_113609_000000663103_00382_48672_7380.N1	21-JUN-2011 11:36:09	Bright	66.000	68	18Alp Cas	2.2250	4500.0	132	48672	No
126	GOM_TRA_1PNPDK20110621_114144_000000453103_00382_48672_7381.N1	21-JUN-2011 11:41:44	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48672	No
127	GOM_TRA_1PNPDK20110621_114408_000000613103_00382_48672_7382.N1	21-JUN-2011 11:44:08	Twilight	61.000	53	43Bet And	2.0480	3300.0	122	48672	No
128	GOM_TRA_1PNPDK20110621_114755_000000523103_00382_48672_7383.N1	21-JUN-2011 11:47:55	Twilight	51.500	50	13Alp Ari	2.0070	4250.0	103	48672	No

129	GOM_TRA_1PNPDK20110621_120457_000000663103_00382_48672_7384.N1	21-JUN-2011 12:04:57	Dark	66.000	52	16Bet Cet	2.0370	4500.0	132	48672	No
130	GOM_TRA_1PNPDK20110621_121041_000000493103_00382_48672_7385.N1	21-JUN-2011 12:10:41	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48672	No
131	GOM_TRA_1PNPDK20110621_121705_000000543103_00383_48673_7386.N1	21-JUN-2011 12:17:05	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	48673	No
132	GOM_TRA_1PNPDK20110621_121907_000000493103_00383_48673_7387.N1	21-JUN-2011 12:19:07	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48673	No
133	GOM_TRA_1PNPDK20110621_122221_000000443103_00383_48673_7388.N1	21-JUN-2011 12:22:21	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48673	No
134	GOM_TRA_1PNPDK20110621_123137_000000453103_00383_48673_7389.N1	21-JUN-2011 12:31:37	Twilight	44.500	38	20Eps Sgr	1.8360	11000.	89	48673	No
135	GOM_TRA_1PNPDK20110621_123302_000000503103_00383_48673_7390.N1	21-JUN-2011 12:33:02	Twilight	49.500	116	19Del Sgr	2.7000	4100.0	99	48673	No
136	GOM_TRA_1PNPDK20110621_123512_000000523103_00383_48673_7391.N1	21-JUN-2011 12:35:12	Bright	52.000	155	41Pi Sgr	2.9000	6600.0	104	48673	No
137	GOM_TRA_1PNPDK20110621_124407_000000423103_00383_48673_7404.N1	21-JUN-2011 12:44:07	Bright	41.500	126	60Bet Oph	2.7700	4250.0	83	48673	No
138	GOM_TRA_1PNPDK20110621_124632_000000393103_00383_48673_7405.N1	21-JUN-2011 12:46:32	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48673	No
139	GOM_TRA_1PNPDK20110621_125619_000000463103_00383_48673_7406.N1	21-JUN-2011 12:56:19	Bright	46.000	5	3Alp Lyr	0.033000	11000.	92	48673	No
140	GOM_TRA_1PNPDK20110621_125810_000000413103_00383_48673_7407.N1	21-JUN-2011 12:58:10	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48673	No
141	GOM_TRA_1PNPDK20110621_130759_000000483103_00383_48673_7408.N1	21-JUN-2011 13:07:59	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48673	No
142	GOM_TRA_1PNPDK20110621_131452_000000673103_00383_48673_7409.N1	21-JUN-2011 13:14:52	Bright	67.000	74	11Bet Cas	2.2680	6600.0	134	48673	No
143	GOM_TRA_1PNPDK20110621_131623_000000463103_00383_48673_7410.N1	21-JUN-2011 13:16:23	Bright	46.000	68	18Alp Cas	2.2250	4500.0	92	48673	No
144	GOM_TRA_1PNPDK20110621_132158_000000443103_00383_48673_7411.N1	21-JUN-2011 13:21:58	Bright	43.500	73	57Gam1And	2.2600	13100.	87	48673	No
145	GOM_TRA_1PNPDK20110621_132422_000000673103_00383_48673_7412.N1	21-JUN-2011 13:24:22	Twilight	66.500	53	43Bet And	2.0480	3300.0	133	48673	No
146	GOM_TRA_1PNPDK20110621_132809_000000503103_00383_48673_7413.N1	21-JUN-2011 13:28:09	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	48673	No
147	GOM_TRA_1PNPDK20110621_134513_000000623103_00383_48673_7414.N1	21-JUN-2011 13:45:13	Dark	62.000	52	16Bet Cet	2.0370	4500.0	124	48673	No
148	GOM_TRA_1PNPDK20110621_135056_000000483103_00383_48673_7415.N1	21-JUN-2011 13:50:56	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	48673	No
149	GOM_TRA_1PNPDK20110621_135720_000000523103_00384_48674_7416.N1	21-JUN-2011 13:57:20	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48674	No
150	GOM_TRA_1PNPDK20110621_135922_000000493103_00384_48674_7417.N1	21-JUN-2011 13:59:22	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48674	No
151	GOM_TRA_1PNPDK20110621_140236_000000433103_00384_48674_7418.N1	21-JUN-2011 14:02:36	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48674	No
152	GOM_TRA_1PNPDK20110621_141152_000000483103_00384_48674_7419.N1	21-JUN-2011 14:11:52	Twilight	48.000	38	20Eps Sgr	1.8360	11000.	96	48674	No
153	GOM_TRA_1PNPDK20110621_141317_000000513103_00384_48674_7420.N1	21-JUN-2011 14:13:17	Twilight	50.500	116	19Del Sgr	2.7000	4100.0	101	48674	No
154	GOM_TRA_1PNPDK20110621_141527_000000513103_00384_48674_7421.N1	21-JUN-2011 14:15:27	Bright	51.000	155	41Pi Sgr	2.9000	6600.0	102	48674	No
155	GOM_TRA_1PNPDK20110621_142421_000000403103_00384_48674_7429.N1	21-JUN-2011 14:24:21	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48674	No
156	GOM_TRA_1PNPDK20110621_142646_000000413103_00384_48674_7430.N1	21-JUN-2011 14:26:46	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48674	No
157	GOM_TRA_1PNPDK20110621_143633_000000533103_00384_48674_7431.N1	21-JUN-2011 14:36:33	Bright	53.000	5	3Alp Lyr	0.033000	11000.	106	48674	No
158	GOM_TRA_1PNPDK20110621_143824_000000383103_00384_48674_7432.N1	21-JUN-2011 14:38:24	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	48674	No
159	GOM_TRA_1PNPDK20110621_144813_000000463103_00384_48674_7433.N1	21-JUN-2011 14:48:13	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48674	No
160	GOM_TRA_1PNPDK20110621_145505_000000453103_00384_48674_7434.N1	21-JUN-2011 14:55:05	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	48674	No
161	GOM_TRA_1PNPDK20110621_145636_000000663103_00384_48674_7435.N1	21-JUN-2011 14:56:36	Bright	66.000	68	18Alp Cas	2.2250	4500.0	132	48674	No
162	GOM_TRA_1PNPDK20110621_150212_000000453103_00384_48674_7436.N1	21-JUN-2011 15:02:12	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48674	No
163	GOM_TRA_1PNPDK20110621_150436_000000633103_00384_48674_7437.N1	21-JUN-2011 15:04:36	Twilight	62.500	53	43Bet And	2.0480	3300.0	125	48674	No
164	GOM_TRA_1PNPDK20110621_150823_000000533103_00384_48674_7438.N1	21-JUN-2011 15:08:23	Twilight	53.000	50	13Alp Ari	2.0070	4250.0	106	48674	No
165	GOM_TRA_1PNPDK20110621_152528_000000673103_00384_48674_7439.N1	21-JUN-2011 15:25:28	Dark	67.000	52	16Bet Cet	2.0370	4500.0	134	48674	No
166	GOM_TRA_1PNPDK20110621_153110_000000533103_00384_48674_7440.N1	21-JUN-2011 15:31:10	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	48674	No
167	GOM_TRA_1PNPDK20110621_153735_000000523103_00385_48675_7441.N1	21-JUN-2011 15:37:35	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48675	No
168	GOM_TRA_1PNPDK20110621_153937_000000493103_00385_48675_7442.N1	21-JUN-2011 15:39:37	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48675	No
169	GOM_TRA_1PNPDK20110621_154250_000000423103_00385_48675_7443.N1	21-JUN-2011 15:42:50	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48675	No
170	GOM_TRA_1PNPDK20110621_155206_000000473103_00385_48675_7444.N1	21-JUN-2011 15:52:06	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	48675	No
171	GOM_TRA_1PNPDK20110621_155331_000000453103_00385_48675_7466.N1	21-JUN-2011 15:53:31	Twilight	44.500	116	19Del Sgr	2.7000	4100.0	89	48675	Yes
172	GOM_TRA_1PNPDK20110621_155541_000000523103_00385_48675_7467.N1	21-JUN-2011 15:55:41	Bright	51.500	155	41Pi Sgr	2.9000	6600.0	103	48675	No
173	GOM_TRA_1PNPDK20110621_160435_000000413103_00385_48675_7468.N1	21-JUN-2011 16:04:35	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	48675	No
174	GOM_TRA_1PNPDK20110621_160700_000000413103_00385_48675_7469.N1	21-JUN-2011 16:07:00	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	48675	No
175	GOM_TRA_1PNPDK20110621_161646_000000523103_00385_48675_7470.N1	21-JUN-2011 16:16:46	Bright	51.500	5	3Alp Lyr	0.033000	11000.	103	48675	No
176	GOM_TRA_1PNPDK20110621_161838_000000403103_00385_48675_7471.N1	21-JUN-2011 16:18:38	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	48675	No
177	GOM_TRA_1PNPDK20110621_162826_000000473103_00385_48675_7472.N1	21-JUN-2011 16:28:26	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48675	No
178	GOM_TRA_1PNPDK20110621_163519_000000673103_00385_48675_7473.N1	21-JUN-2011 16:35:19	Bright	67.000	74	11Bet Cas	2.2680	6600.0	134	48675	No
179	GOM_TRA_1PNPDK20110621_163650_000000463103_00385_48675_7474.N1	21-JUN-2011 16:36:50	Bright	46.000	68	18Alp Cas	2.2250	4500.0	92	48675	No
180	GOM_TRA_1PNPDK20110621_164226_000000453103_00385_48675_7475.N1	21-JUN-2011 16:42:26	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48675	No
181	GOM_TRA_1PNPDK20110621_164450_000000653103_00385_48675_7476.N1	21-JUN-2011 16:44:50	Twilight	64.500	53	43Bet And	2.0480	3300.0	129	48675	No
182	GOM_TRA_1PNPDK20110621_164837_000000483103_00385_48675_7477.N1	21-JUN-2011 16:48:37	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48675	No
183	GOM_TRA_1PNPDK20110621_170543_000000723103_00385_48675_7478.N1	21-JUN-2011 17:05:43	Dark	72.000	52	16Bet Cet	2.0370	4500.0	144	48675	No
184	GOM_TRA_1PNPDK20110621_171125_000000553103_00385_48675_7479.N1	21-JUN-2011 17:11:25	Dark	55.000	84	Alp Phe	2.3970	4500.0	110	48675	No
185	GOM_TRA_1PNPDK20110621_171751_000000553103_00386_48676_7480.N1	21-JUN-2011 17:17:51	Dark	54.500	63	Bet Gru	2.1500	2800.0	109	48676	No
186	GOM_TRA_1PNPDK20110621_171952_000000493103_00386_48676_7481.N1	21-JUN-2011 17:19:52	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48676	No
187	GOM_TRA_1PNPDK20110621_172305_000000413103_00386_48676_7482.N1	21-JUN-2011 17:23:05	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48676	No

188	GOM_TRA_1PNPDK20110621_173220_000000473103_00386_48676_7492.N1	21-JUN-2011 17:32:20	Twilight	46.500	38	20Eps Sgr	1.8360	11000.	93	48676	No
189	GOM_TRA_1PNPDK20110621_173346_000000443103_00386_48676_7493.N1	21-JUN-2011 17:33:46	Twilight	44.000	116	19Del Sgr	2.7000	4100.0	88	48676	No
190	GOM_TRA_1PNPDK20110621_173555_000000523103_00386_48676_7494.N1	21-JUN-2011 17:35:55	Bright	51.500	155	41Pi Sgr	2.9000	6600.0	103	48676	No
191	GOM_TRA_1PNPDK20110621_174449_000000413103_00386_48676_7495.N1	21-JUN-2011 17:44:49	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	48676	No
192	GOM_TRA_1PNPDK20110621_174714_000000413103_00386_48676_7496.N1	21-JUN-2011 17:47:14	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48676	No
193	GOM_TRA_1PNPDK20110621_175659_000000503103_00386_48676_7497.N1	21-JUN-2011 17:56:59	Bright	50.000	5	3Alp Lyr	0.033000	11000.	100	48676	No
194	GOM_TRA_1PNPDK20110621_175851_000000393103_00386_48676_7498.N1	21-JUN-2011 17:58:51	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48676	No
195	GOM_TRA_1PNPDK20110621_180839_000000483103_00386_48676_7499.N1	21-JUN-2011 18:08:39	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48676	No
196	GOM_TRA_1PNPDK20110621_181532_000000673103_00386_48676_7500.N1	21-JUN-2011 18:15:32	Bright	67.000	74	11Bet Cas	2.2680	6600.0	134	48676	No
197	GOM_TRA_1PNPDK20110621_181704_000000473103_00386_48676_7501.N1	21-JUN-2011 18:17:04	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	48676	No
198	GOM_TRA_1PNPDK20110621_182240_000000443103_00386_48676_7502.N1	21-JUN-2011 18:22:40	Bright	43.500	73	57Gam1And	2.2600	13100.	87	48676	No
199	GOM_TRA_1PNPDK20110621_182504_000000623103_00386_48676_7503.N1	21-JUN-2011 18:25:04	Twilight	62.000	53	43Bet And	2.0480	3300.0	124	48676	No
200	GOM_TRA_1PNPDK20110621_182852_000000513103_00386_48676_7504.N1	21-JUN-2011 18:28:52	Twilight	50.500	50	13Alp Ari	2.0070	4250.0	101	48676	No
201	GOM_TRA_1PNPDK20110621_184558_000000583103_00386_48676_7505.N1	21-JUN-2011 18:45:58	Dark	57.500	52	16Bet Cet	2.0370	4500.0	115	48676	No
202	GOM_TRA_1PNPDK20110621_185140_000000453103_00386_48676_7506.N1	21-JUN-2011 18:51:40	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	48676	No
203	GOM_TRA_1PNPDK20110621_185805_000000533103_00387_48677_7507.N1	21-JUN-2011 18:58:05	Dark	53.000	63	Bet Gru	2.1500	2800.0	106	48677	No
204	GOM_TRA_1PNPDK20110621_190007_000000493103_00387_48677_7508.N1	21-JUN-2011 19:00:07	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48677	No
205	GOM_TRA_1PNPDK20110621_190320_000000413103_00387_48677_7509.N1	21-JUN-2011 19:03:20	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48677	No
206	GOM_TRA_1PNPDK20110621_191235_000000473103_00387_48677_7520.N1	21-JUN-2011 19:12:35	Twilight	46.500	38	20Eps Sgr	1.8360	11000.	93	48677	No
207	GOM_TRA_1PNPDK20110621_191400_000000483103_00387_48677_7521.N1	21-JUN-2011 19:14:00	Twilight	47.500	116	19Del Sgr	2.7000	4100.0	95	48677	No
208	GOM_TRA_1PNPDK20110621_191609_000000513103_00387_48677_7522.N1	21-JUN-2011 19:16:09	Bright	50.500	155	41Pi Sgr	2.9000	6600.0	101	48677	No
209	GOM_TRA_1PNPDK20110621_192503_000000413103_00387_48677_7523.N1	21-JUN-2011 19:25:03	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	48677	No
210	GOM_TRA_1PNPDK20110621_192728_000000413103_00387_48677_7524.N1	21-JUN-2011 19:27:28	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48677	No
211	GOM_TRA_1PNPDK20110621_193712_000000493103_00387_48677_7525.N1	21-JUN-2011 19:37:12	Bright	49.000	5	3Alp Lyr	0.033000	11000.	98	48677	No
212	GOM_TRA_1PNPDK20110621_193905_000000403103_00387_48677_7526.N1	21-JUN-2011 19:39:05	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48677	No
213	GOM_TRA_1PNPDK20110621_194852_000000493103_00387_48677_7527.N1	21-JUN-2011 19:48:52	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48677	No
214	GOM_TRA_1PNPDK20110621_195546_000000503103_00387_48677_7528.N1	21-JUN-2011 19:55:46	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	48677	No
215	GOM_TRA_1PNPDK20110621_195717_000000663103_00387_48677_7529.N1	21-JUN-2011 19:57:17	Bright	66.000	68	18Alp Cas	2.2250	4500.0	132	48677	No
216	GOM_TRA_1PNPDK20110621_200254_000000433103_00387_48677_7530.N1	21-JUN-2011 20:02:54	Bright	43.000	73	57Gam1And	2.2600	13100.	86	48677	No
217	GOM_TRA_1PNPDK20110621_200518_000000633103_00387_48677_7531.N1	21-JUN-2011 20:05:18	Twilight	62.500	53	43Bet And	2.0480	3300.0	125	48677	No
218	GOM_TRA_1PNPDK20110621_200906_000000523103_00387_48677_7532.N1	21-JUN-2011 20:09:06	Twilight	52.000	50	13Alp Ari	2.0070	4250.0	104	48677	No
219	GOM_TRA_1PNPDK20110621_202614_000000653103_00387_48677_7533.N1	21-JUN-2011 20:26:14	Dark	64.500	52	16Bet Cet	2.0370	4500.0	129	48677	No
220	GOM_TRA_1PNPDK20110621_203155_000000453103_00387_48677_7534.N1	21-JUN-2011 20:31:55	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	48677	No
221	GOM_TRA_1PNPDK20110621_203820_000000543103_00388_48678_7535.N1	21-JUN-2011 20:38:20	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	48678	No
222	GOM_TRA_1PNPDK20110621_204022_000000483103_00388_48678_7536.N1	21-JUN-2011 20:40:22	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48678	No
223	GOM_TRA_1PNPDK20110621_204334_000000413103_00388_48678_7537.N1	21-JUN-2011 20:43:34	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48678	No
224	GOM_TRA_1PNPDE20110621_205249_000000463103_00388_48678_7452.N1	21-JUN-2011 20:52:49	Twilight	46.000	38	20Eps Sgr	1.8360	11000.	92	48678	No
225	GOM_TRA_1PNPDE20110621_205414_000000533103_00388_48678_7453.N1	21-JUN-2011 20:54:14	Twilight	52.500	116	19Del Sgr	2.7000	4100.0	105	48678	No
226	GOM_TRA_1PNPDE20110621_205624_000000513103_00388_48678_7454.N1	21-JUN-2011 20:56:24	Bright	51.000	155	41Pi Sgr	2.9000	6600.0	102	48678	No
227	GOM_TRA_1PNPDE20110621_210517_000000403103_00388_48678_7455.N1	21-JUN-2011 21:05:17	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48678	No
228	GOM_TRA_1PNPDE20110621_210741_000000403103_00388_48678_7456.N1	21-JUN-2011 21:07:41	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	48678	No
229	GOM_TRA_1PNPDE20110621_211726_000000473103_00388_48678_7457.N1	21-JUN-2011 21:17:26	Bright	47.000	5	3Alp Lyr	0.033000	11000.	94	48678	No
230	GOM_TRA_1PNPDE20110621_211919_000000573103_00388_48678_7458.N1	21-JUN-2011 21:19:19	Bright	57.000	130	23Bet Dra	2.7990	5800.0	114	48678	No
231	GOM_TRA_1PNPDE20110621_212906_000000463103_00388_48678_7459.N1	21-JUN-2011 21:29:06	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48678	No
232	GOM_TRA_1PNPDE20110621_213600_000000523103_00388_48678_7460.N1	21-JUN-2011 21:36:00	Bright	52.000	74	11Bet Cas	2.2680	6600.0	104	48678	No
233	GOM_TRA_1PNPDE20110621_213731_000000483103_00388_48678_7461.N1	21-JUN-2011 21:37:31	Bright	47.500	68	18Alp Cas	2.2250	4500.0	95	48678	No
234	GOM_TRA_1PNPDE20110621_214308_000000423103_00388_48678_7462.N1	21-JUN-2011 21:43:08	Bright	42.000	73	57Gam1And	2.2600	13100.	84	48678	No
235	GOM_TRA_1PNPDE20110621_214532_000000603103_00388_48678_7463.N1	21-JUN-2011 21:45:32	Twilight	59.500	53	43Bet And	2.0480	3300.0	119	48678	No
236	GOM_TRA_1PNPDE20110621_214920_000000523103_00388_48678_7464.N1	21-JUN-2011 21:49:20	Twilight	51.500	50	13Alp Ari	2.0070	4250.0	103	48678	No
237	GOM_TRA_1PNPDE20110621_220629_000000633103_00388_48678_7477.N1	21-JUN-2011 22:06:29	Dark	62.500	52	16Bet Cet	2.0370	4500.0	125	48678	No
238	GOM_TRA_1PNPDE20110621_221210_000000533103_00388_48678_7478.N1	21-JUN-2011 22:12:10	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	48678	No
239	GOM_TRA_1PNPDE20110621_221835_000000523103_00389_48679_7479.N1	21-JUN-2011 22:18:35	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48679	No
240	GOM_TRA_1PNPDE20110621_222037_000000523103_00389_48679_7480.N1	21-JUN-2011 22:20:37	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	48679	No
241	GOM_TRA_1PNPDE20110621_222348_000000413103_00389_48679_7481.N1	21-JUN-2011 22:23:48	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48679	No
242	GOM_TRA_1PNPDE20110621_223303_000000473103_00389_48679_7482.N1	21-JUN-2011 22:33:03	Twilight	46.500	38	20Eps Sgr	1.8360	11000.	93	48679	No
243	GOM_TRA_1PNPDE20110621_223428_000000503103_00389_48679_7483.N1	21-JUN-2011 22:34:28	Twilight	49.500	116	19Del Sgr	2.7000	4100.0	99	48679	No
244	GOM_TRA_1PNPDE20110621_223638_000000513103_00389_48679_7484.N1	21-JUN-2011 22:36:38	Bright	51.000	155	41Pi Sgr	2.9000	6600.0	102	48679	No
245	GOM_TRA_1PNPDE20110621_224531_000000413103_00389_48679_7485.N1	21-JUN-2011 22:45:31	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	48679	No
246	GOM_TRA_1PNPDE20110621_224755_000000403103_00389_48679_7486.N1	21-JUN-2011 22:47:55	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	48679	No

247	GOM_TRA_1PNPDE20110621_225739_000000433103_00389_48679_7487.N1	21-JUN-2011 22:57:39	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	48679	No
248	GOM_TRA_1PNPDE20110621_225932_000000373103_00389_48679_7488.N1	21-JUN-2011 22:59:32	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	48679	No
249	GOM_TRA_1PNPDE20110621_230919_000000493103_00389_48679_7489.N1	21-JUN-2011 23:09:19	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48679	No
250	GOM_TRA_1PNPDE20110621_231613_000000673103_00389_48679_7490.N1	21-JUN-2011 23:16:13	Bright	67.000	74	11Bet Cas	2.2680	6600.0	134	48679	No
251	GOM_TRA_1PNPDE20110621_231744_000000473103_00389_48679_7491.N1	21-JUN-2011 23:17:44	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	48679	No
252	GOM_TRA_1PNPDE20110621_232322_000000573103_00389_48679_7492.N1	21-JUN-2011 23:23:22	Bright	57.000	73	57Gam1And	2.2600	13100.	114	48679	No
253	GOM_TRA_1PNPDE20110621_232546_000000613103_00389_48679_7493.N1	21-JUN-2011 23:25:46	Twilight	60.500	53	43Bet And	2.0480	3300.0	121	48679	No
254	GOM_TRA_1PNPDE20110621_232934_000000513103_00389_48679_7494.N1	21-JUN-2011 23:29:34	Twilight	50.500	50	13Alp Ari	2.0070	4250.0	101	48679	No
255	GOM_TRA_1PNPDE20110621_234644_000000663103_00389_48679_7507.N1	21-JUN-2011 23:46:44	Dark	65.500	52	16Bet Cet	2.0370	4500.0	131	48679	No
256	GOM_TRA_1PNPDE20110621_235225_000000493103_00389_48679_7508.N1	21-JUN-2011 23:52:25	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48679	No
257	GOM_TRA_1PNPDE20110621_235850_000000523103_00390_48680_7509.N1	21-JUN-2011 23:58:50	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48680	No

3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data



4. Overview of dark signal processing per product

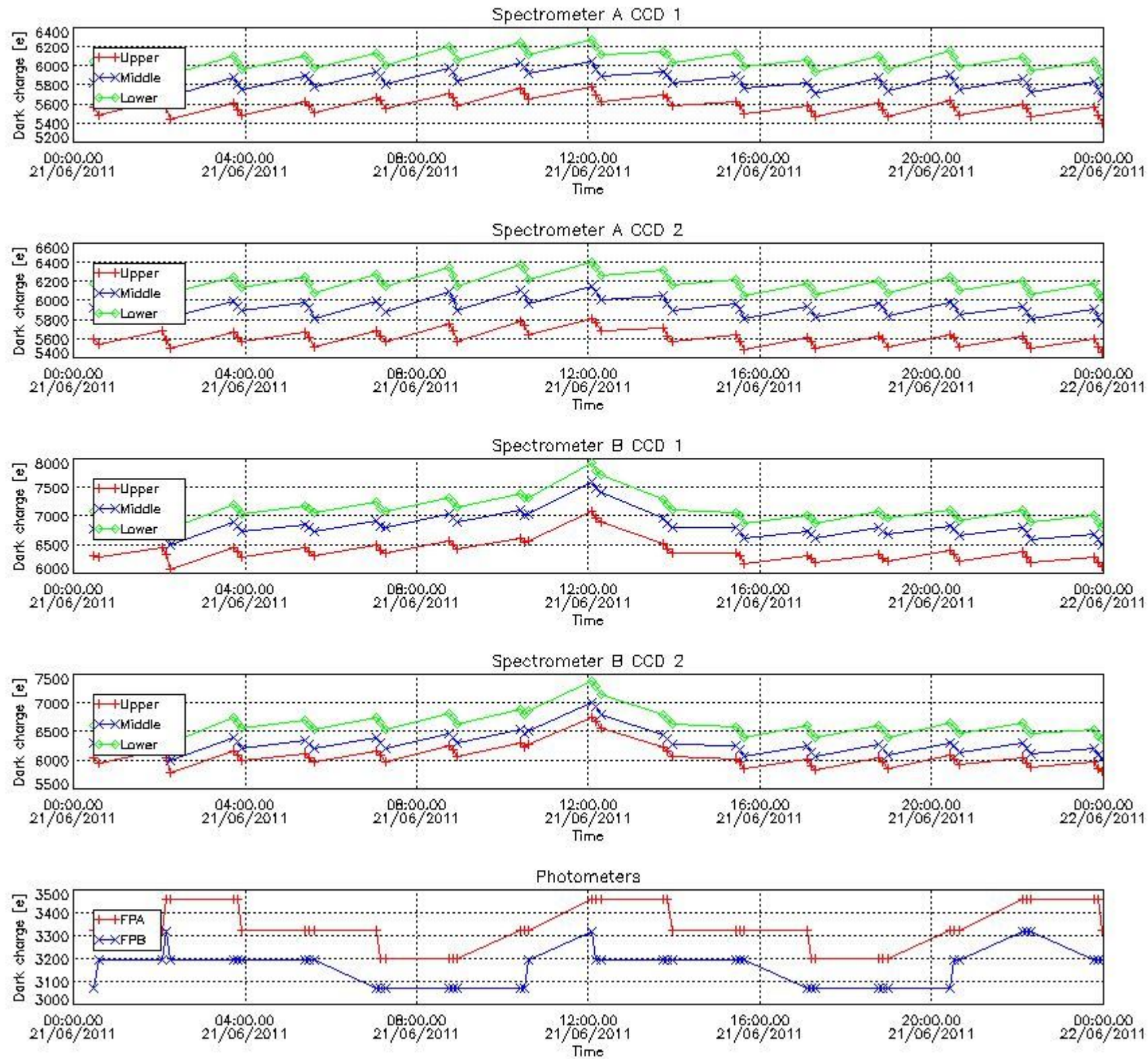
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20110621_205249_000000463103_00388_48678_7452.N1	DC map used
GOM_TRA_1PNPDE20110621_205414_000000533103_00388_48678_7453.N1	DC map used
GOM_TRA_1PNPDE20110621_205624_000000513103_00388_48678_7454.N1	DC map used
GOM_TRA_1PNPDE20110621_210517_000000403103_00388_48678_7455.N1	DC map used
GOM_TRA_1PNPDE20110621_210741_000000403103_00388_48678_7456.N1	DC map used
GOM_TRA_1PNPDE20110621_211726_000000473103_00388_48678_7457.N1	DC map used
GOM_TRA_1PNPDE20110621_211919_000000573103_00388_48678_7458.N1	DC map used
GOM_TRA_1PNPDE20110621_212906_000000463103_00388_48678_7459.N1	DC map used
GOM_TRA_1PNPDE20110621_213600_000000523103_00388_48678_7460.N1	DC map used
GOM_TRA_1PNPDE20110621_213731_000000483103_00388_48678_7461.N1	DC map used
GOM_TRA_1PNPDE20110621_214308_000000423103_00388_48678_7462.N1	DC map used
GOM_TRA_1PNPDE20110621_214532_000000603103_00388_48678_7463.N1	DC map used
GOM_TRA_1PNPDE20110621_214920_000000523103_00388_48678_7464.N1	DC map used

4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used



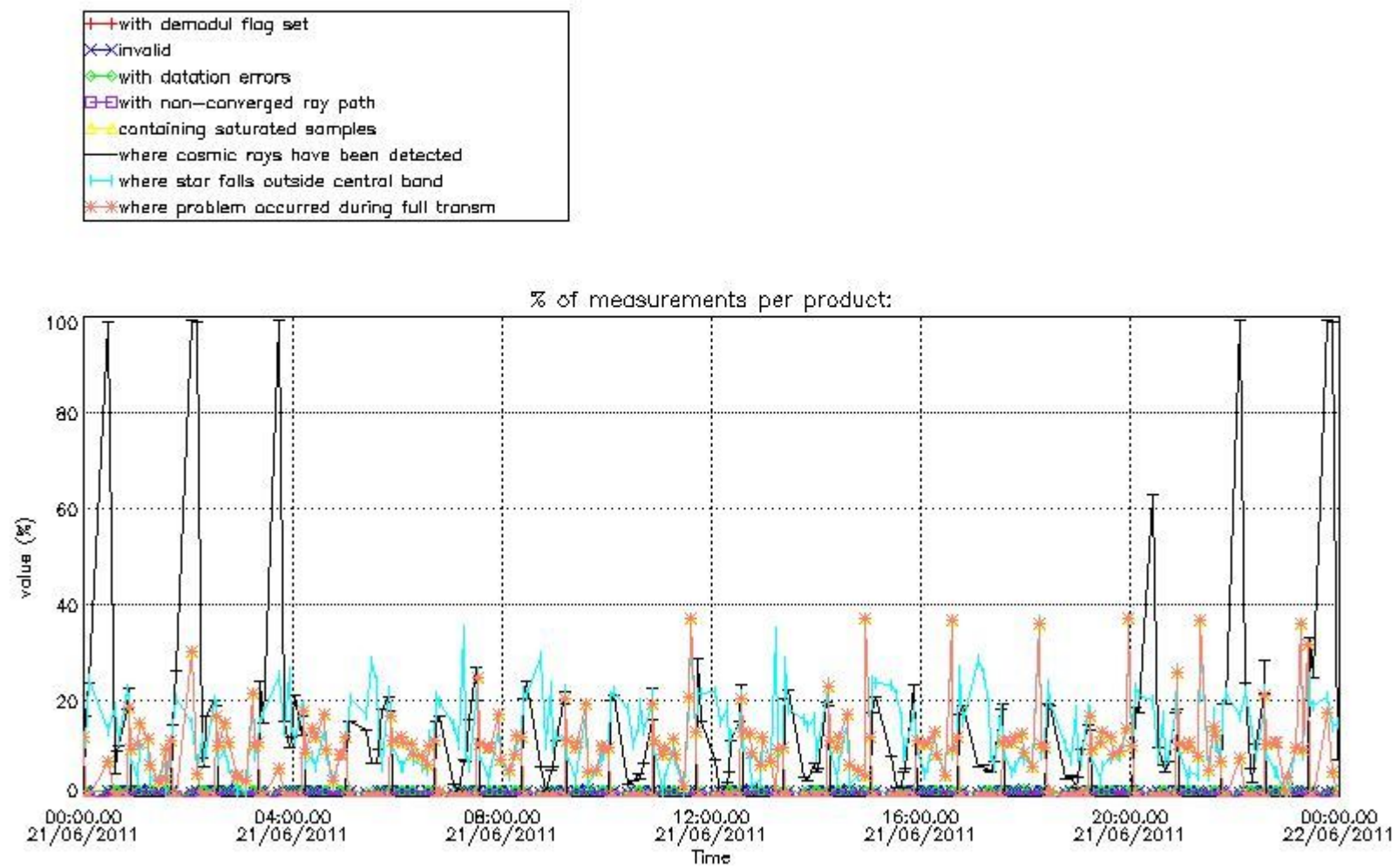
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

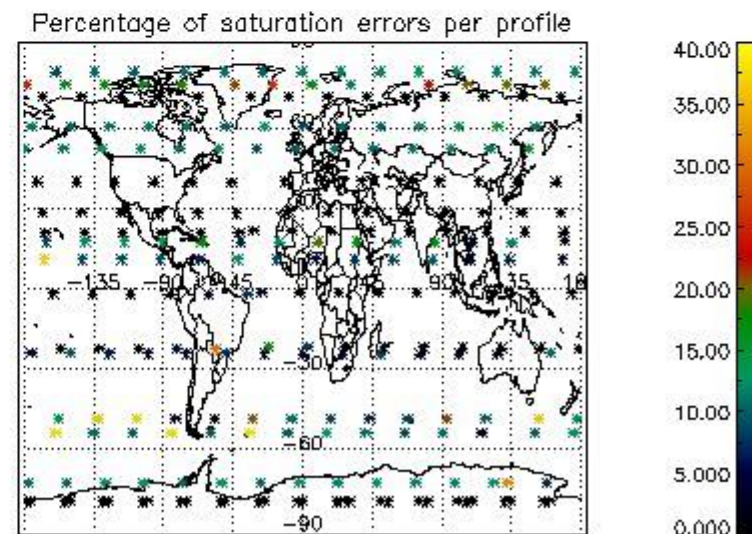
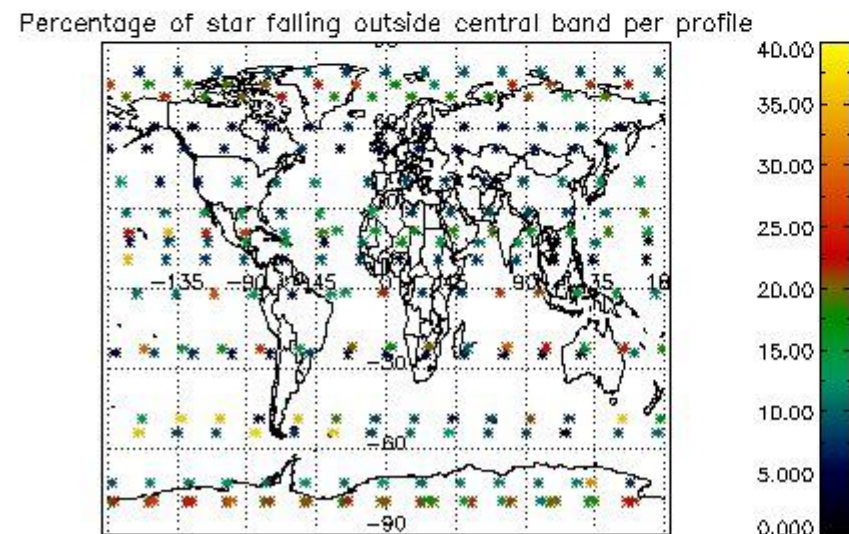
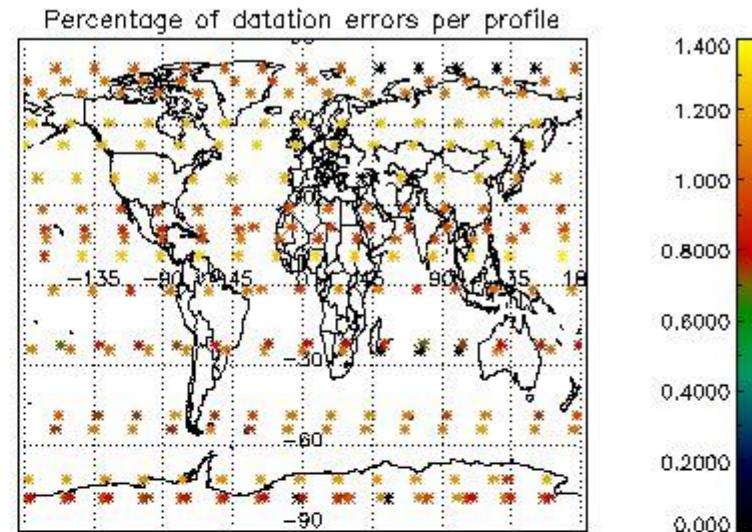
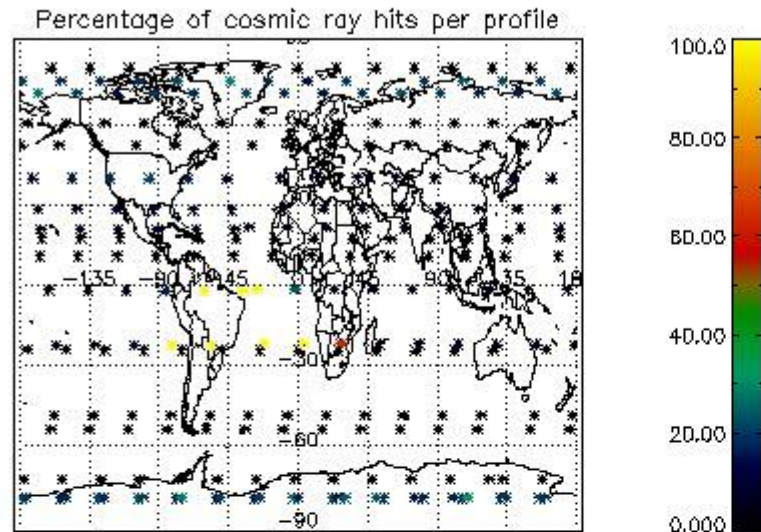
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	47.2656 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	50.7812 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



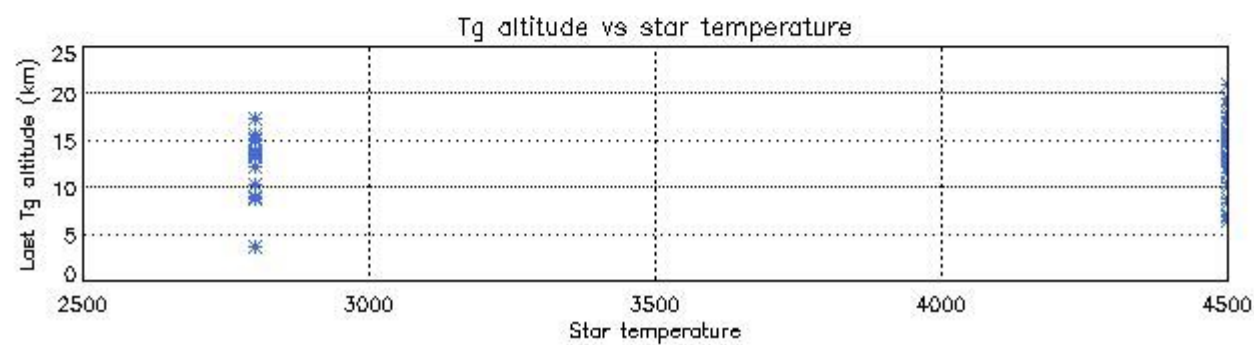
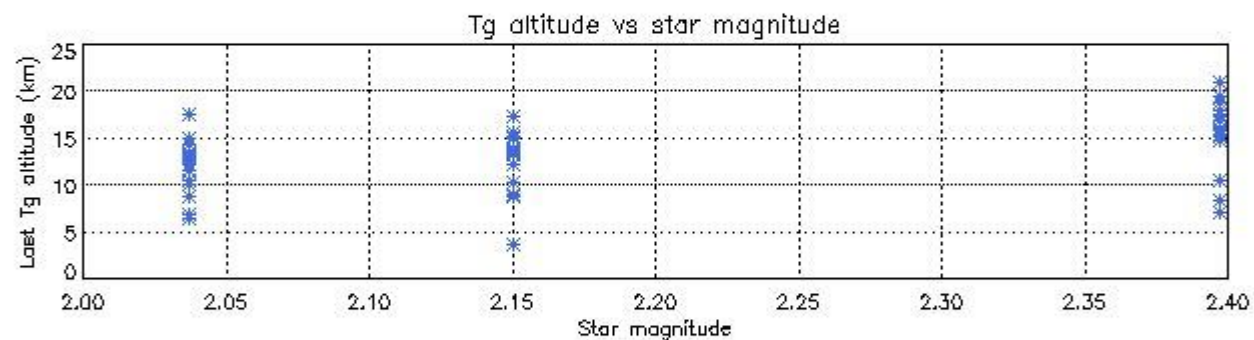
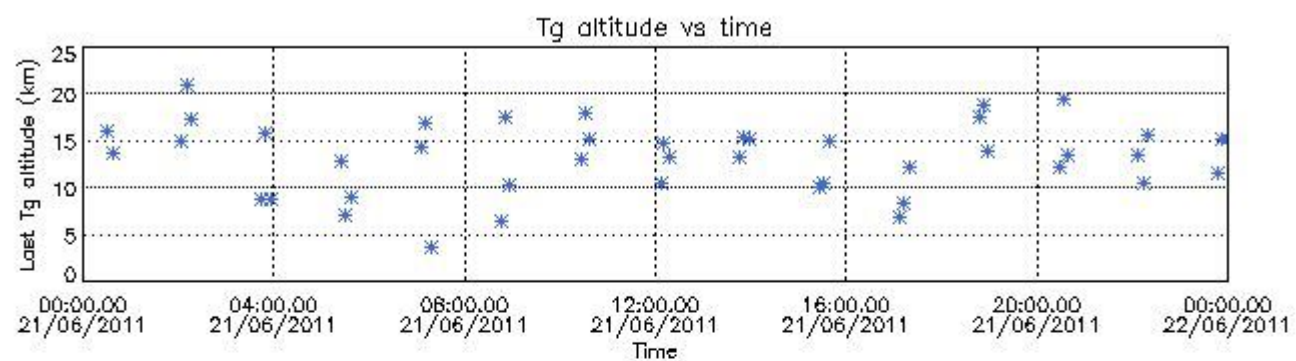
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.225	18.638	11.302
St. deviation:	3.7852	4.9635	1.1166
Maximum:	20.859	28.350	13.833
Minimum:	3.7061	3.2874	9.7269
Number of data:	44.000	130.00	15.000

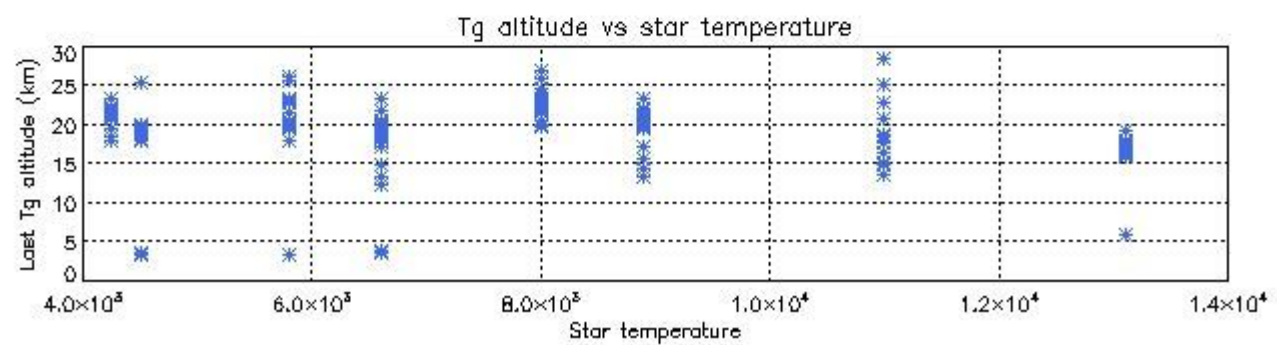
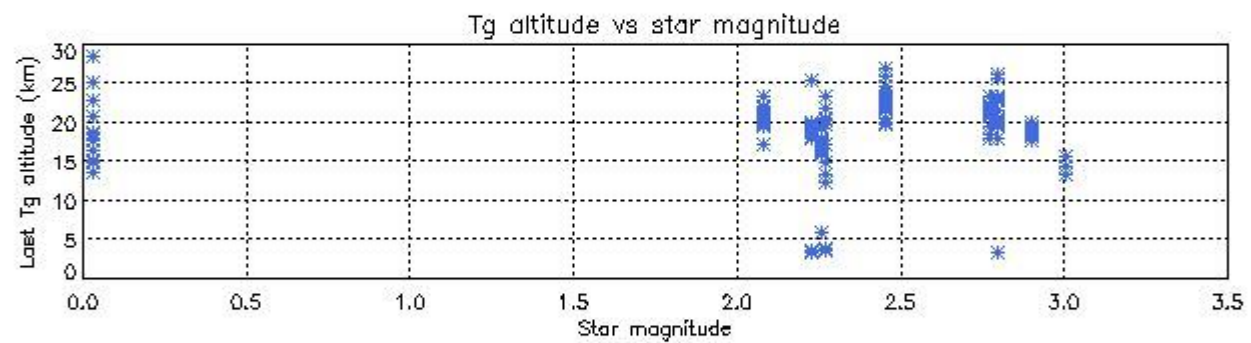
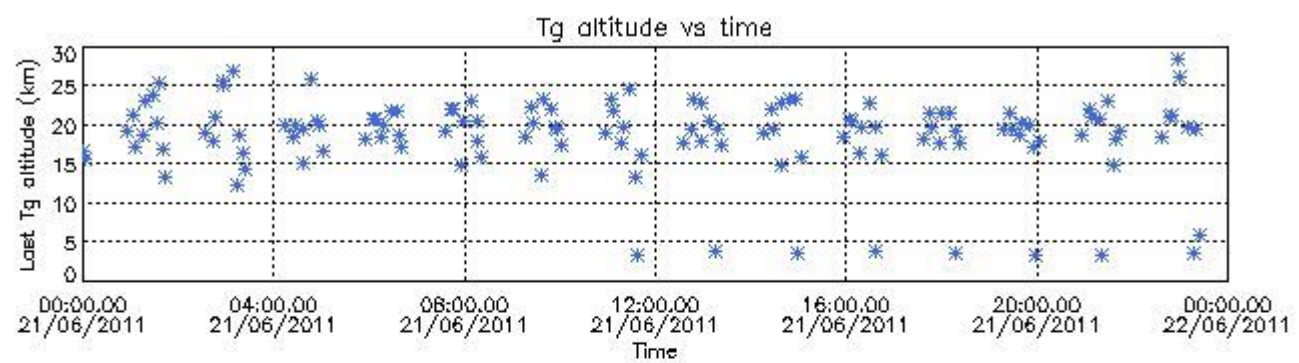
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



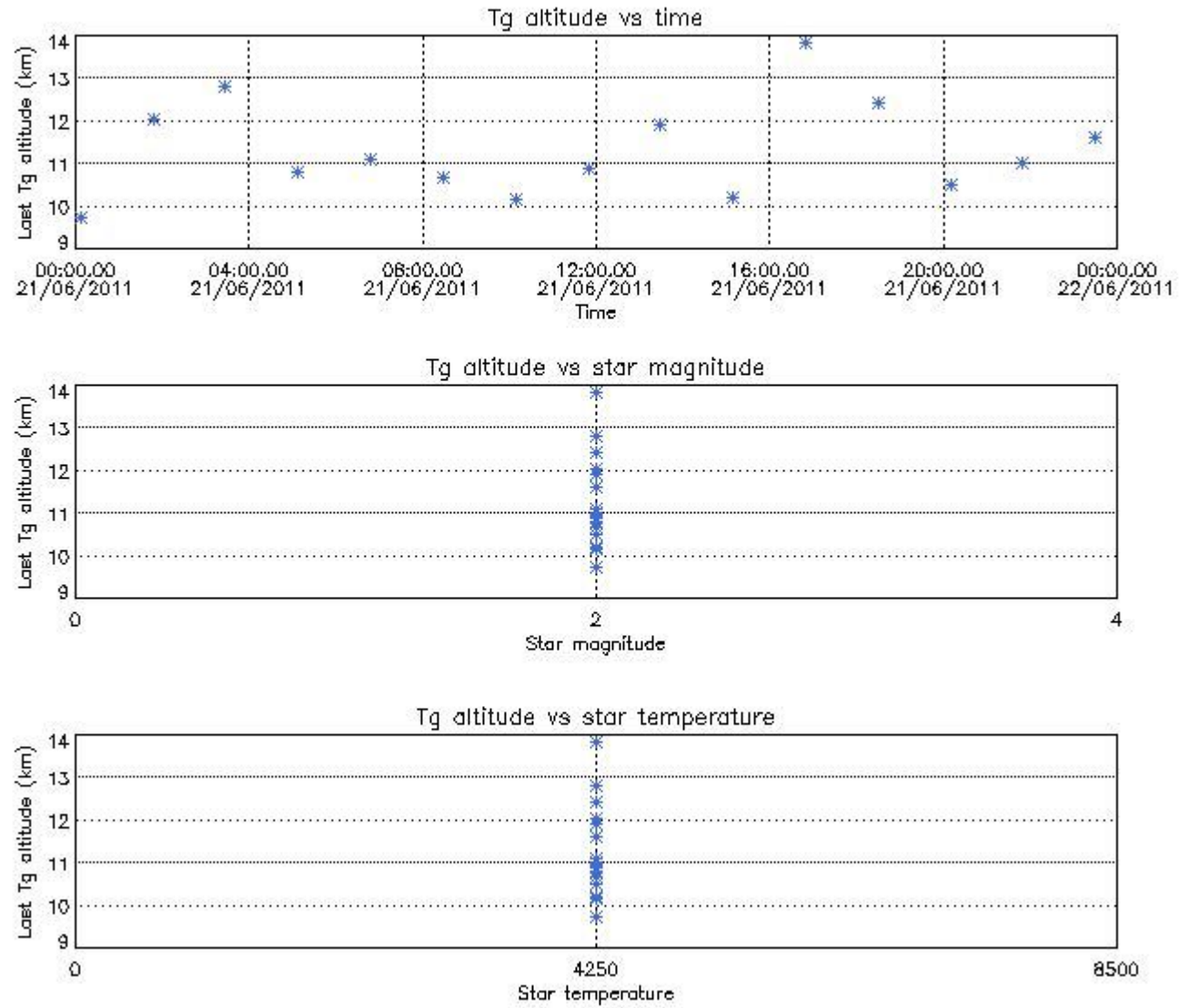
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

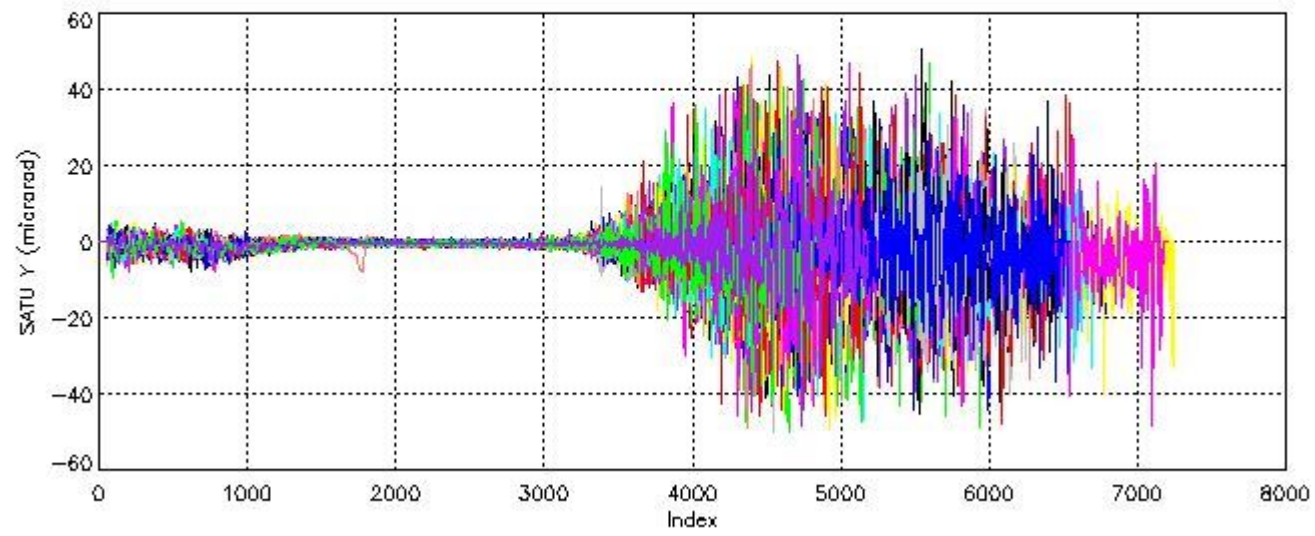
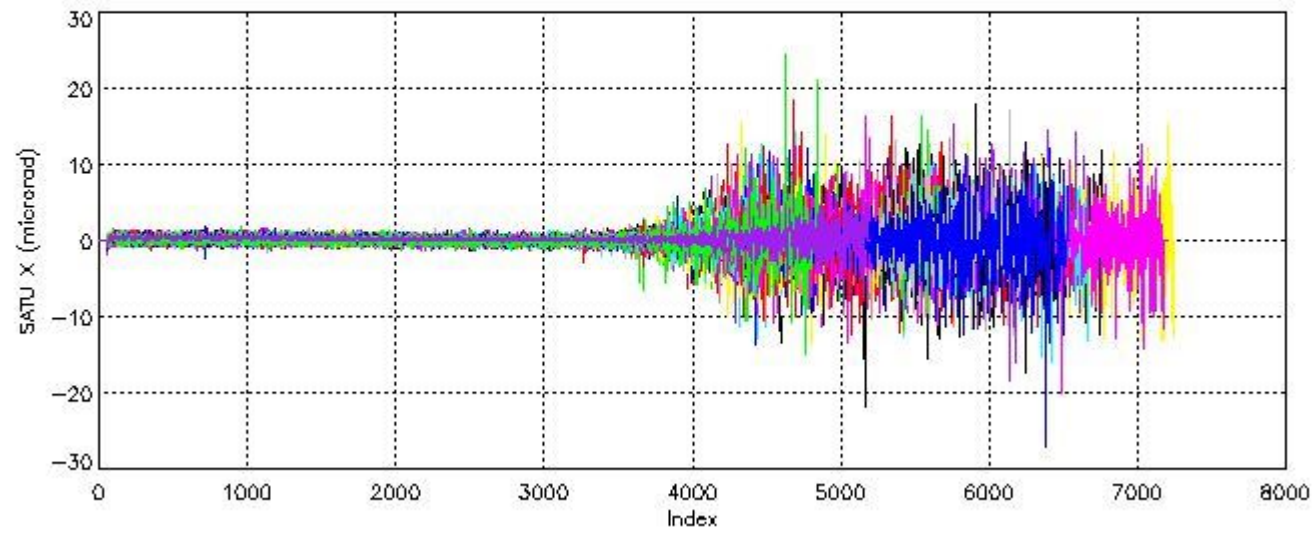


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.24302	-1.0757	0.26616	-1.0335
St. deviation:	0.29779	1.4249	0.64976	1.3778
Maximum:	1.9000	5.5000	6.6000	11.000
Minimum:	-2.4000	-9.7000	-9.2000	-13.400

Number of data:	51650.	51650.	1.3705E+05	1.3705E+05
90Percentile:	0.60000	0.70000	1.1000	0.60000

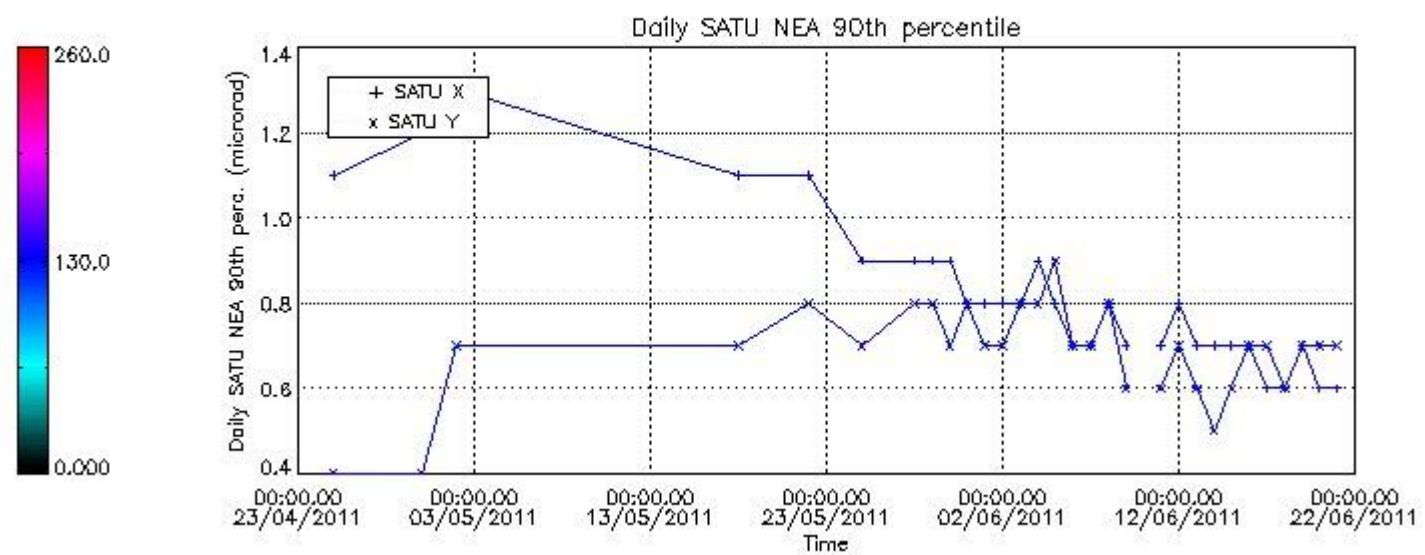
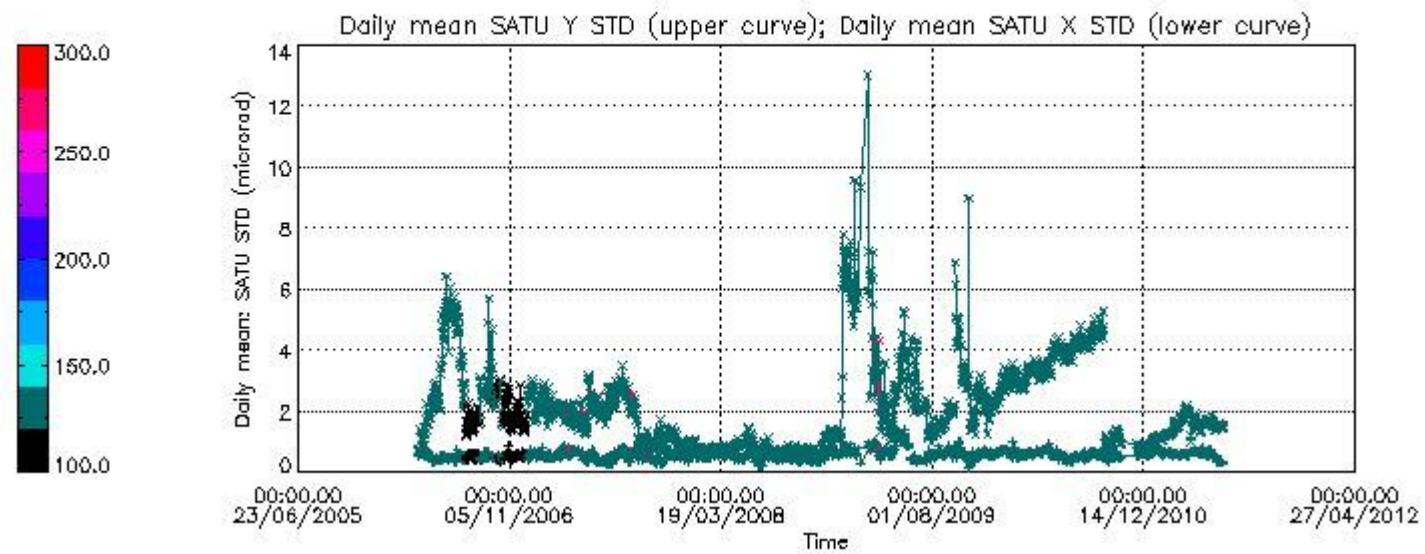
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

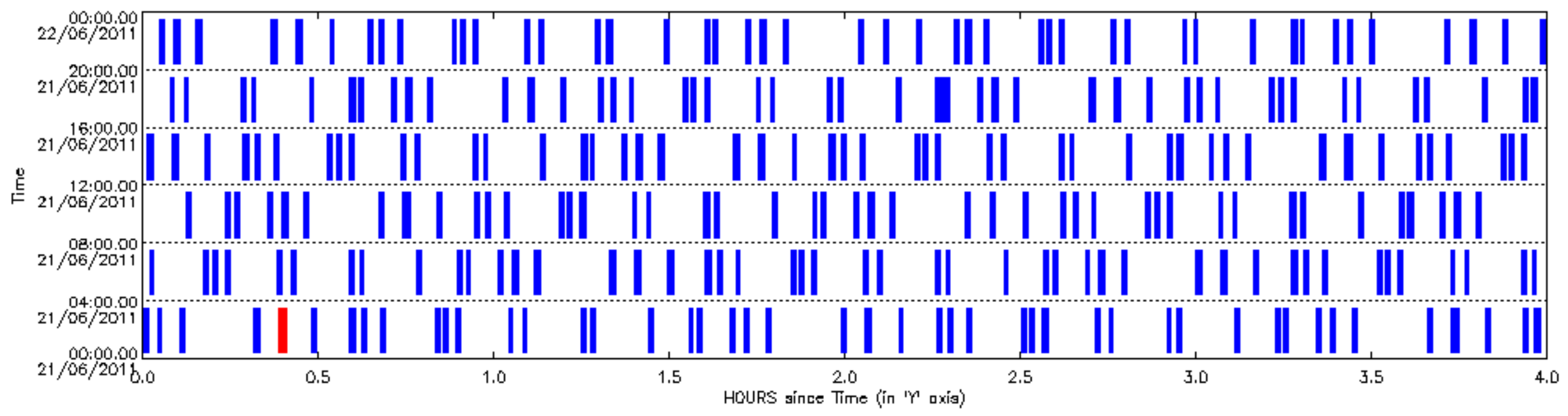
Lower curve: STD of SATU X axis

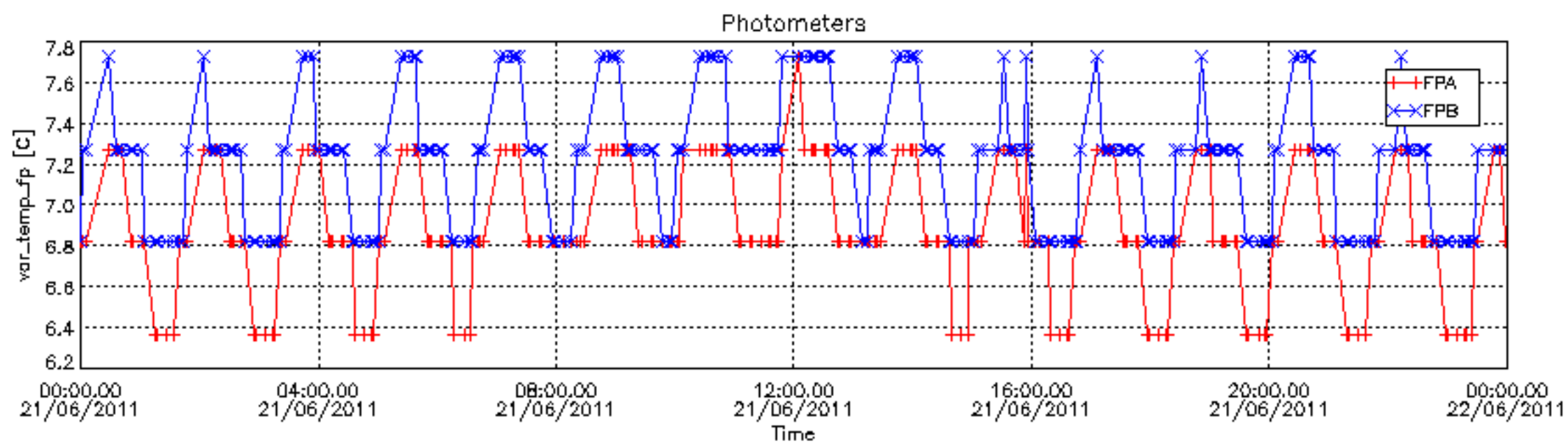
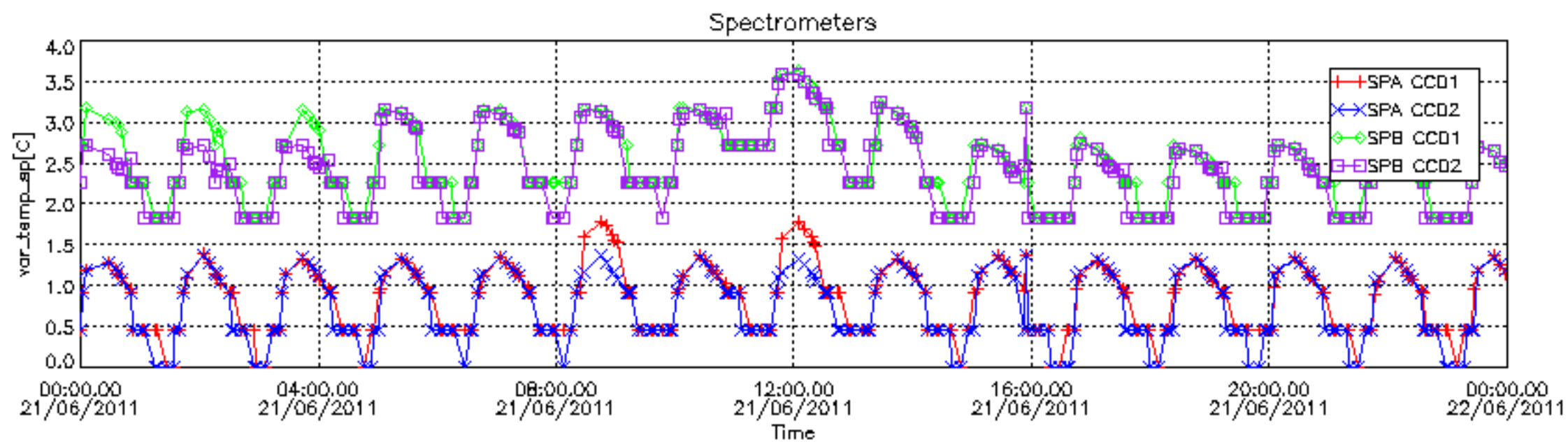


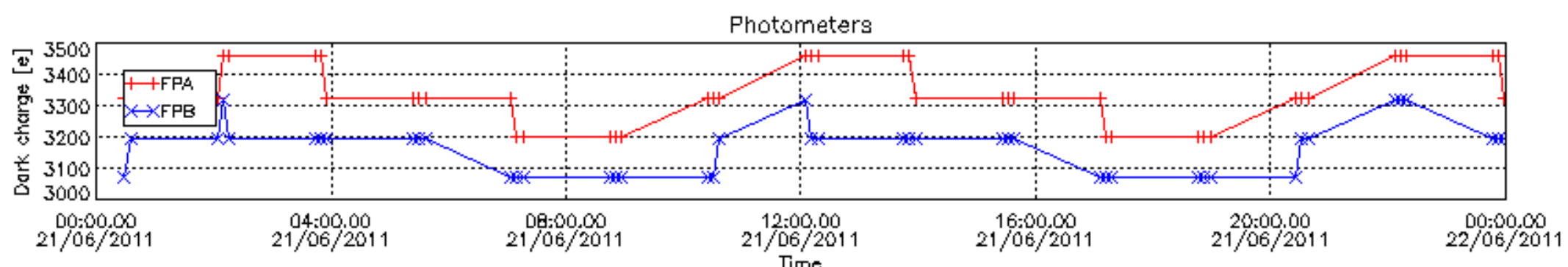
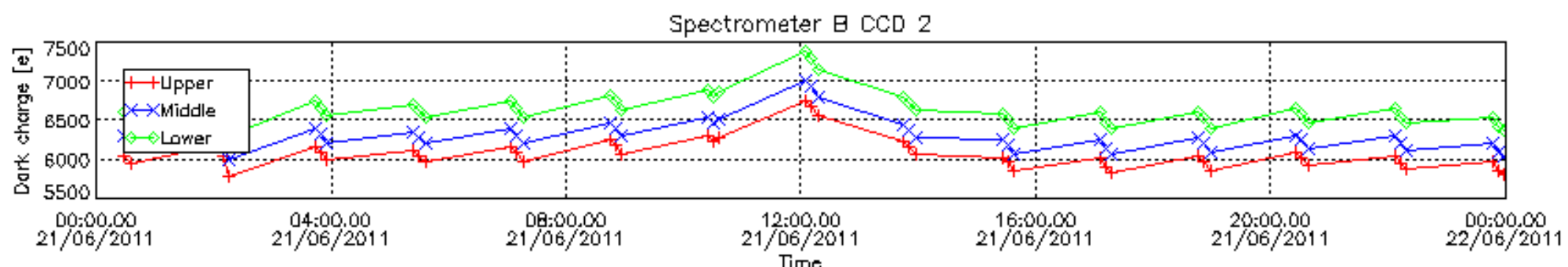
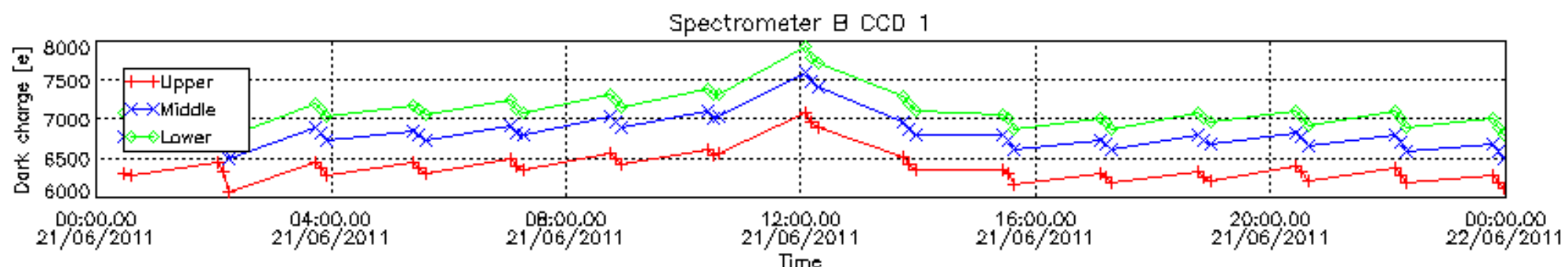
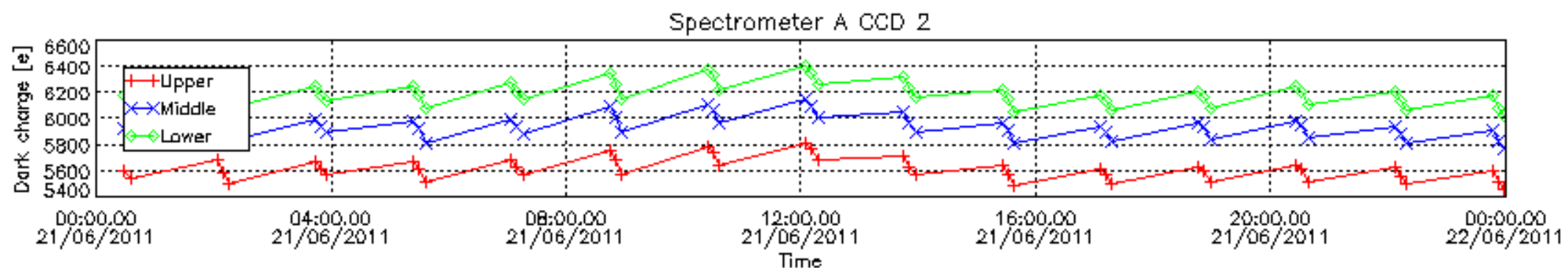
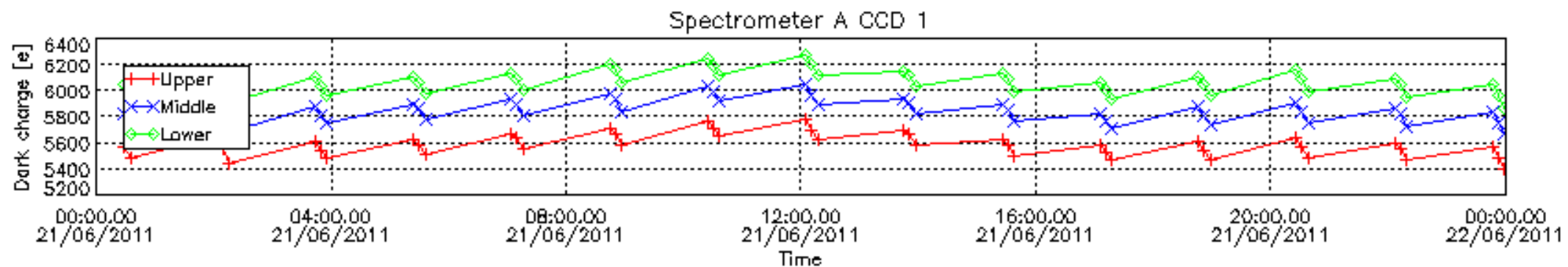
8. Auxiliary Data Files used for the production reported in section 2.4

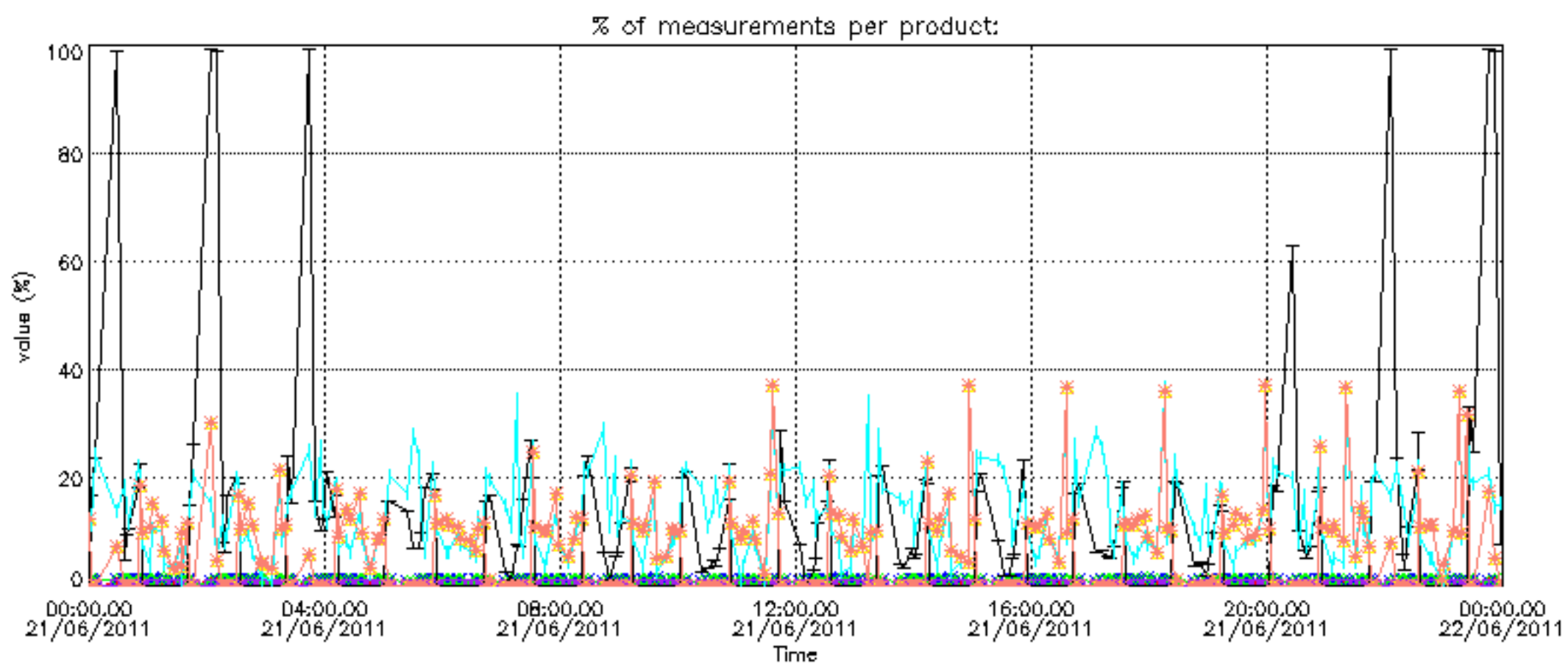
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-JUN-2011 00:00:06
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110615_093902_20110614_000000_20500101_000000	1	21-JUN-2011 00:00:06
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	1	21-JUN-2011 00:00:06
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	21-JUN-2011 00:00:06
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	21-JUN-2011 00:00:06
ECMWF_FILE	AUX_ECF_AXNECM20110620_061627_20110620_210000_20110621_090000	1	21-JUN-2011 00:00:06
ECMWF_FILE	AUX_ECF_AXNECM20110620_181627_20110621_030000_20110621_150000	34	21-JUN-2011 03:13:30
ECMWF_FILE	AUX_ECA_AXNECM20110621_061025_20110620_210000_20110621_090000	52	21-JUN-2011 04:53:44
ECMWF_FILE	AUX_ECF_AXNECM20110620_181627_20110621_030000_20110621_150000	83	21-JUN-2011 07:43:26
ECMWF_FILE	AUX_ECF_AXNECM20110621_061025_20110621_090000_20110621_210000	101	21-JUN-2011 09:23:40
ECMWF_FILE	AUX_ECF_AXNECM20110621_061026_20110621_150000_20110622_030000	171	21-JUN-2011 15:53:31
ECMWF_FILE	AUX_ECF_AXNECM20110621_061026_20110621_210000_20110622_090000	237	21-JUN-2011 22:06:29
OPTIONAL_ECMWF_FILE	MISSING	1	21-JUN-2011 00:00:06
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110620_101626_20110619_182520_20110629_203908	1	21-JUN-2011 00:00:06
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110621_103023_20110620_192850_20110630_200224	224	21-JUN-2011 20:52:49

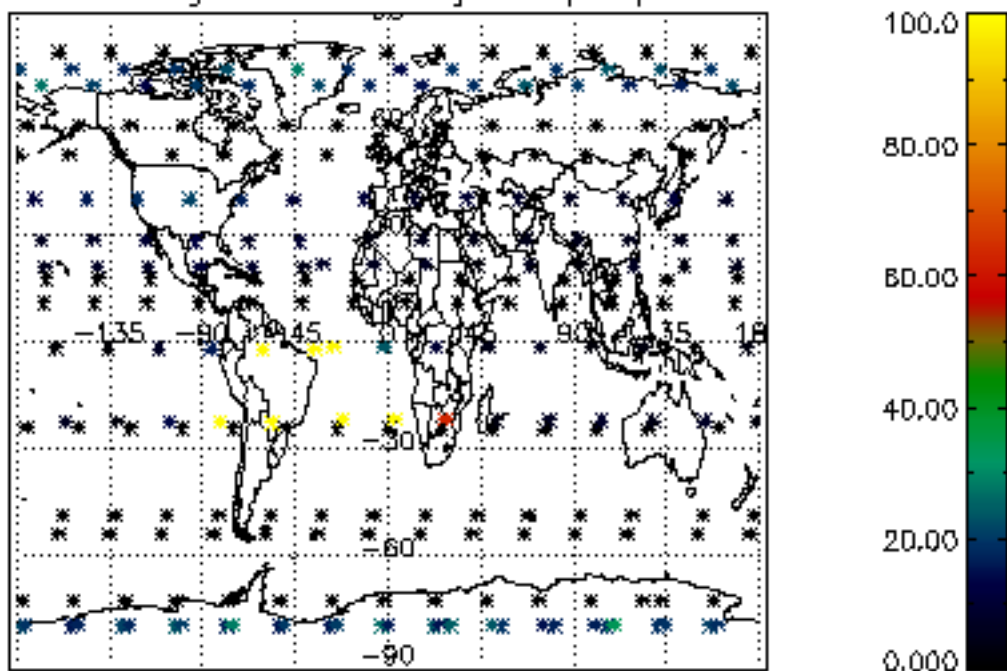




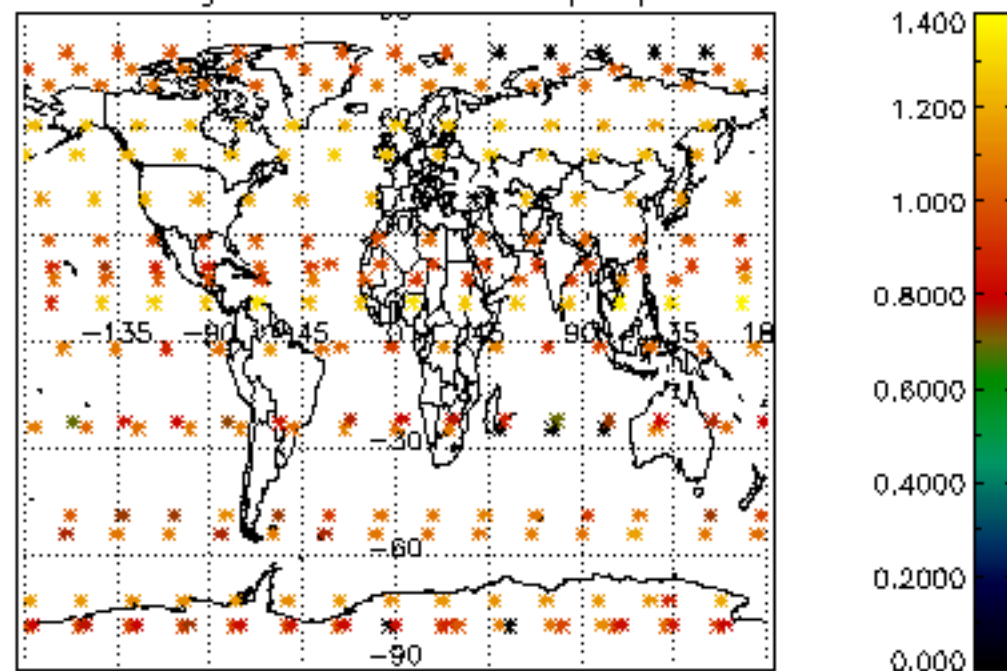




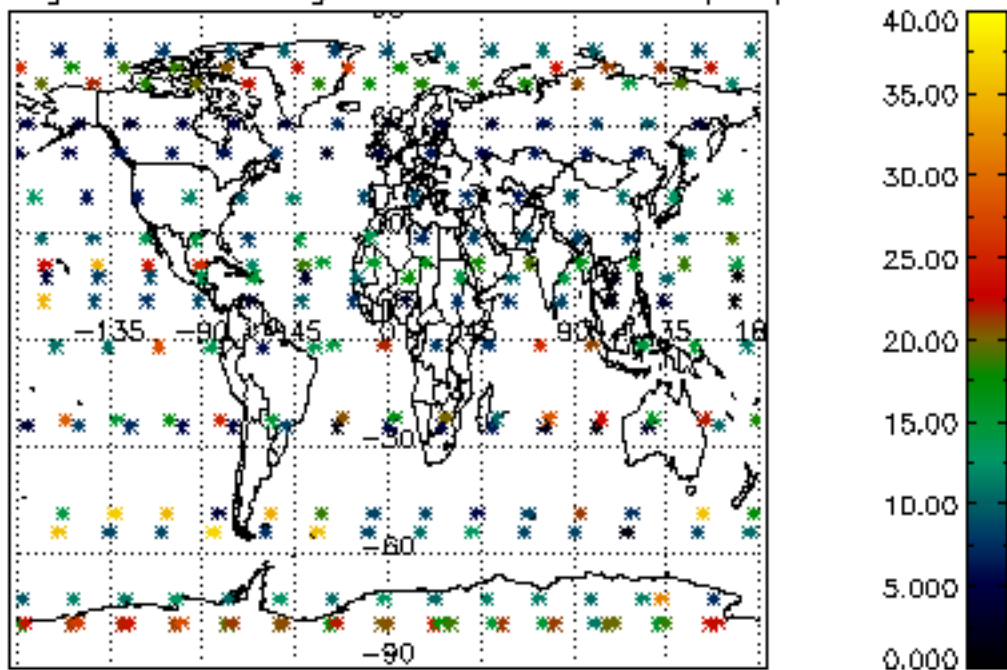
Percentage of cosmic ray hits per profile



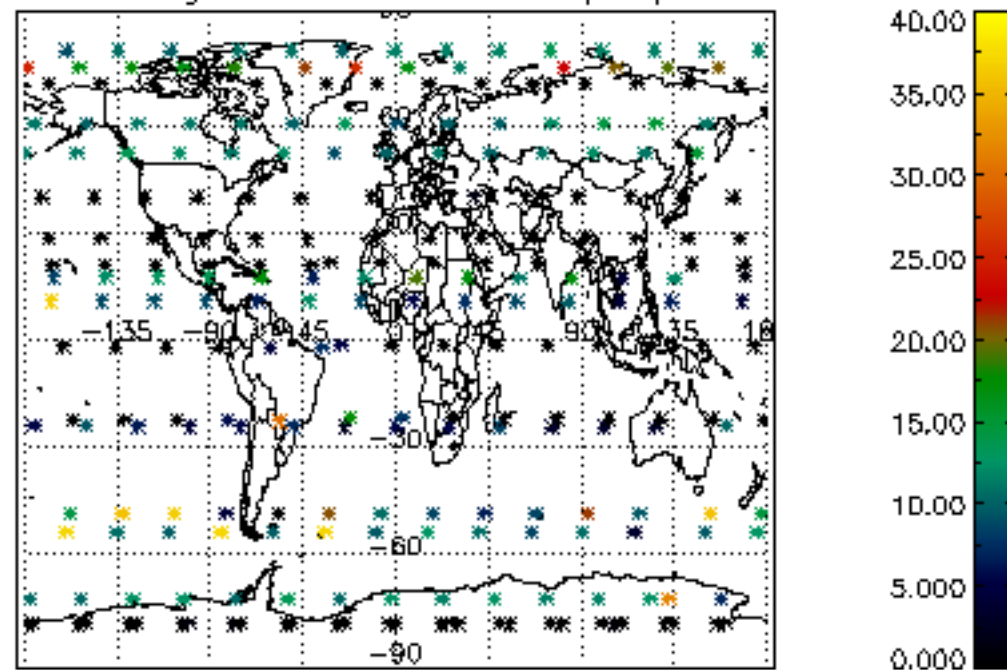
Percentage of datation errors per profile



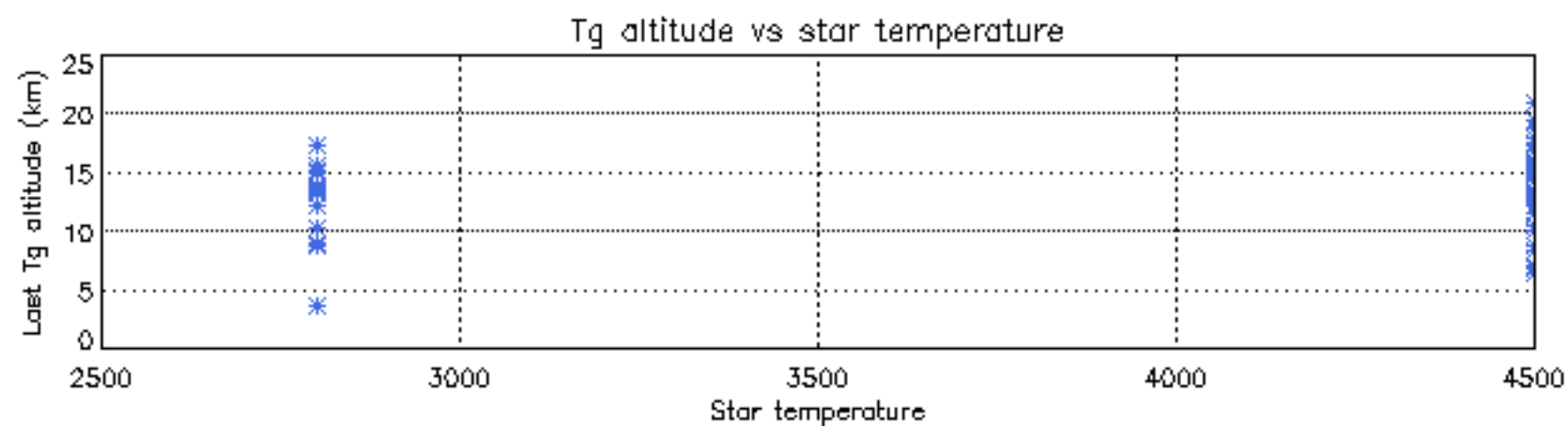
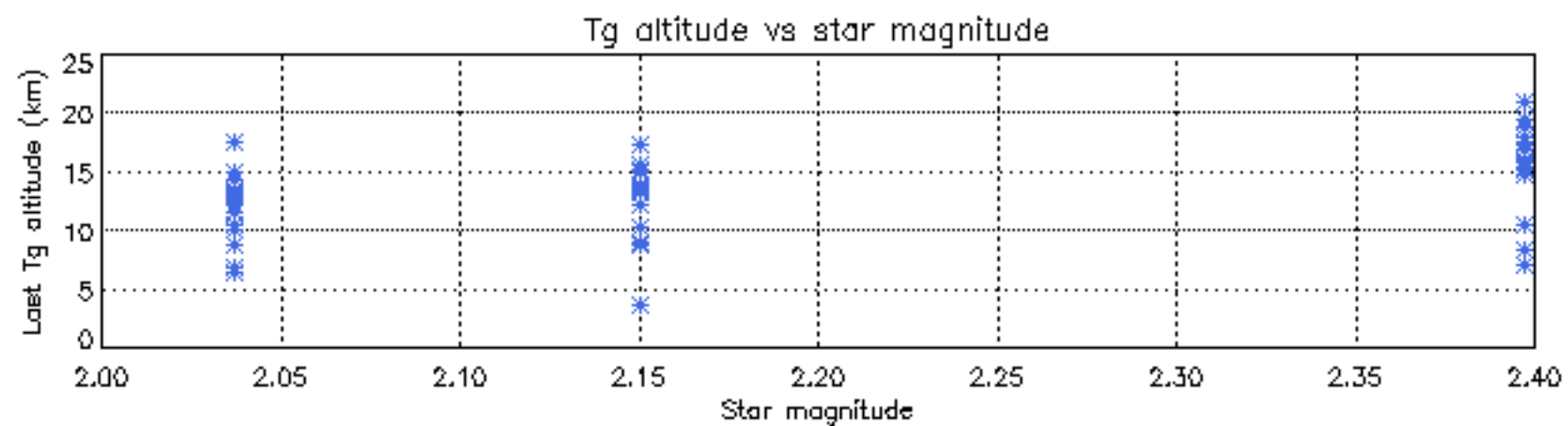
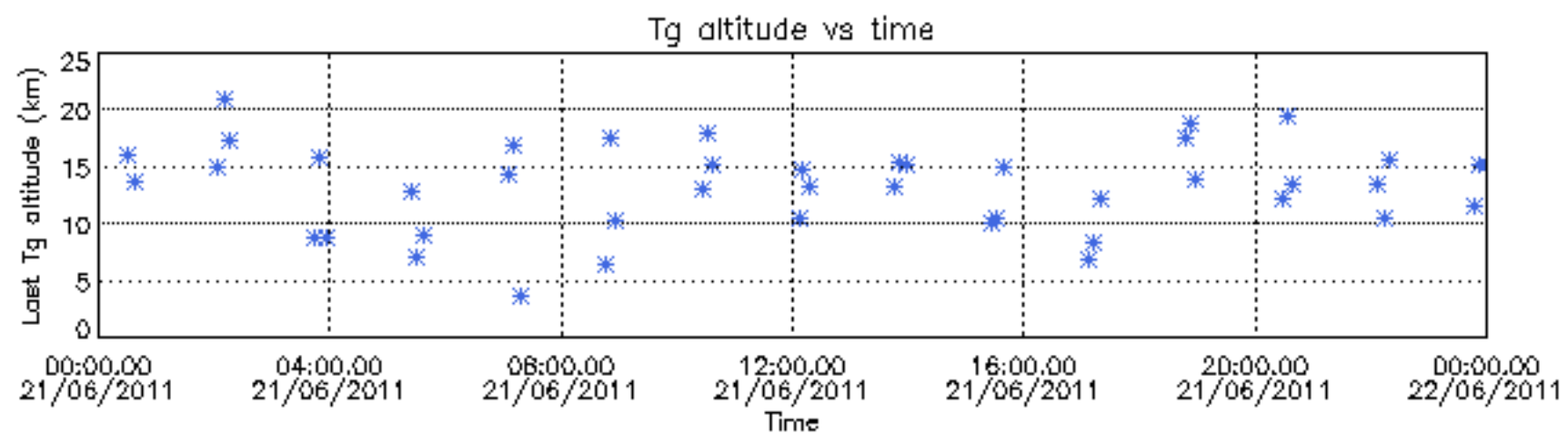
Percentage of star falling outside central band per profile



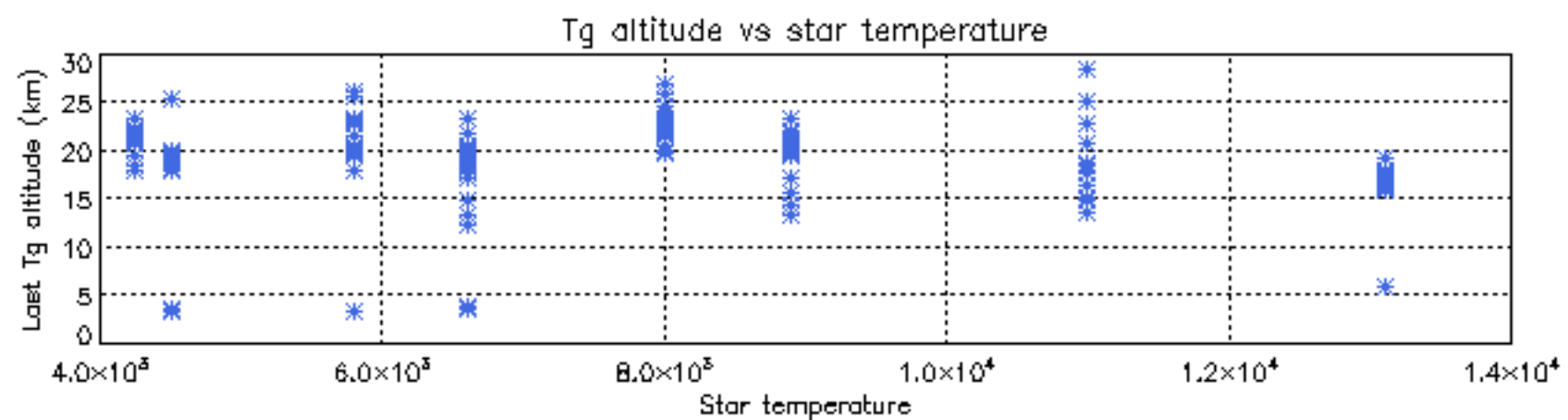
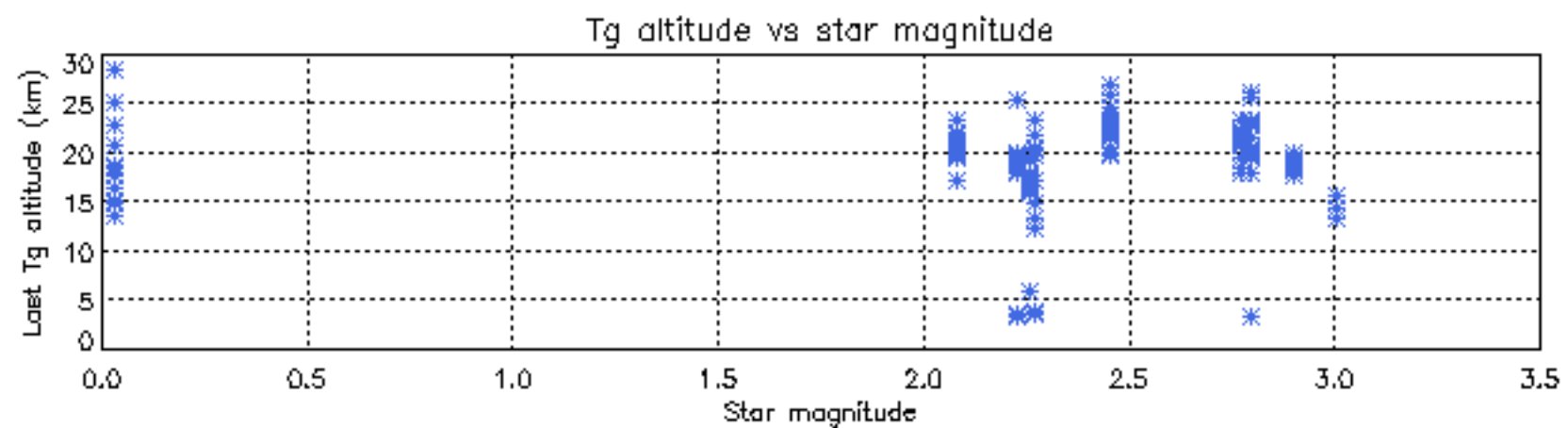
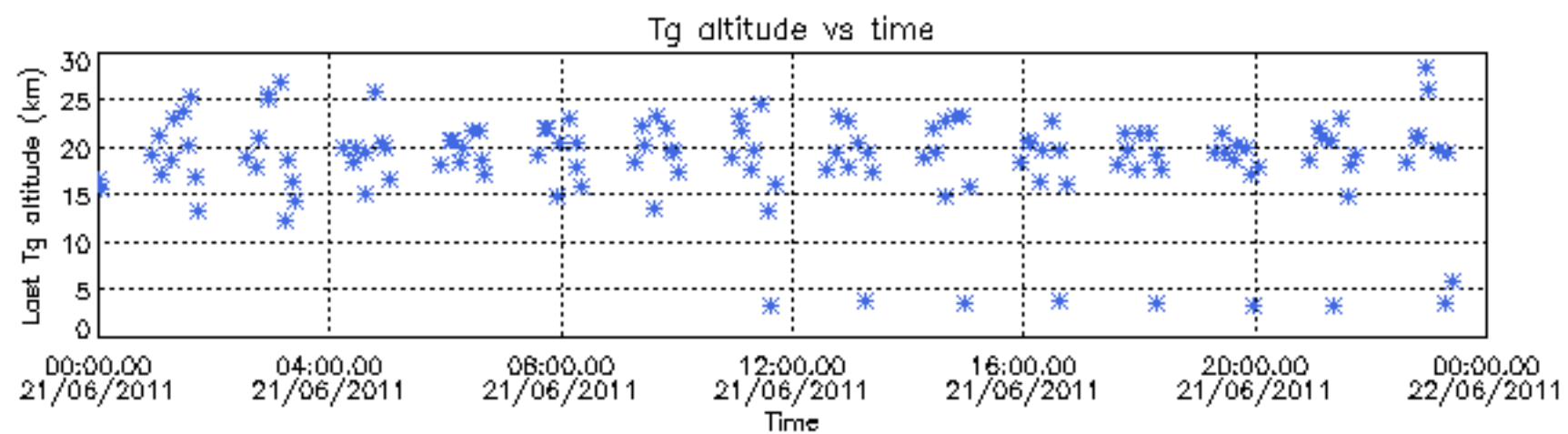
Percentage of saturation errors per profile



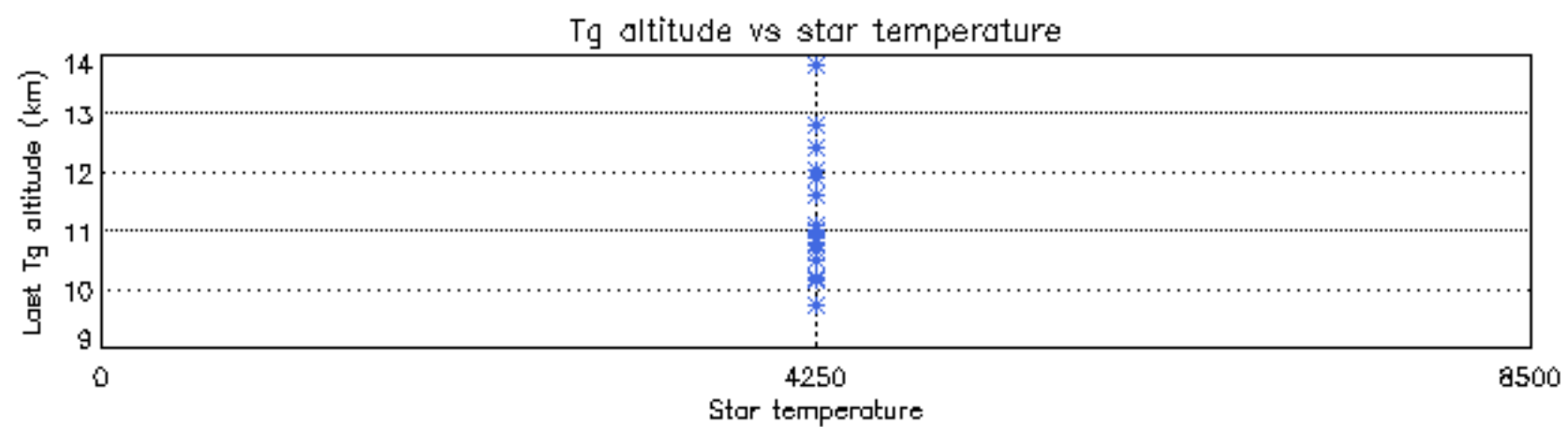
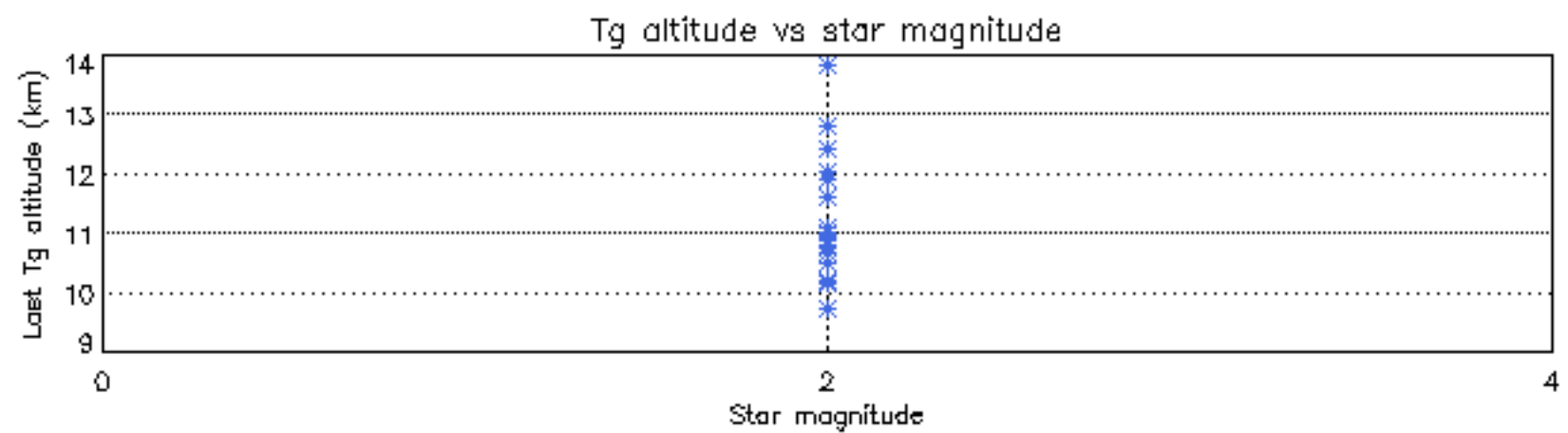
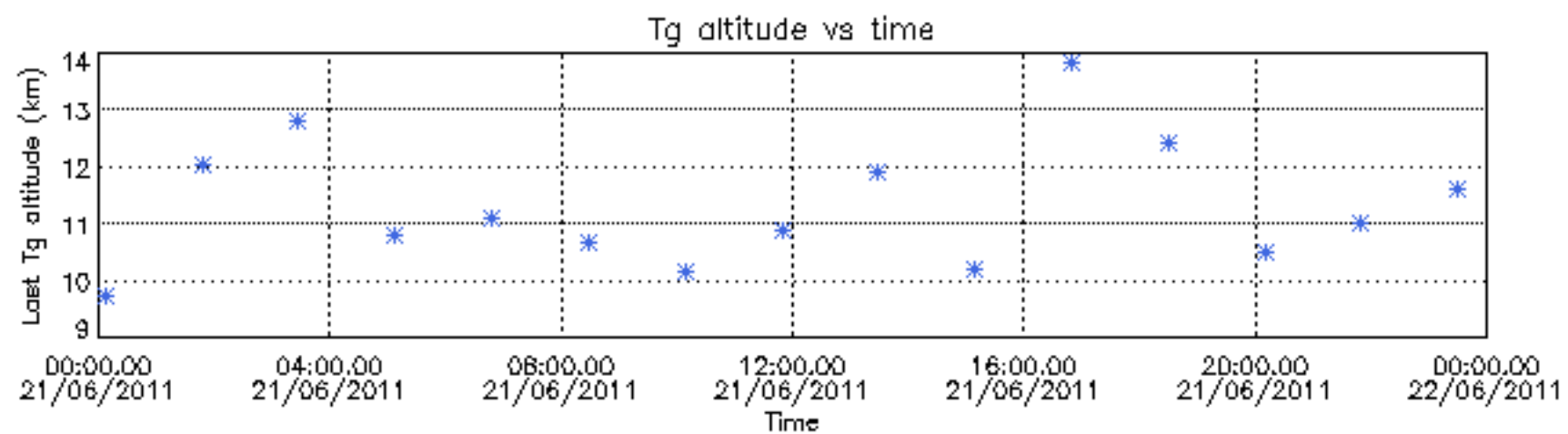
Tangent altitude at which the star is lost

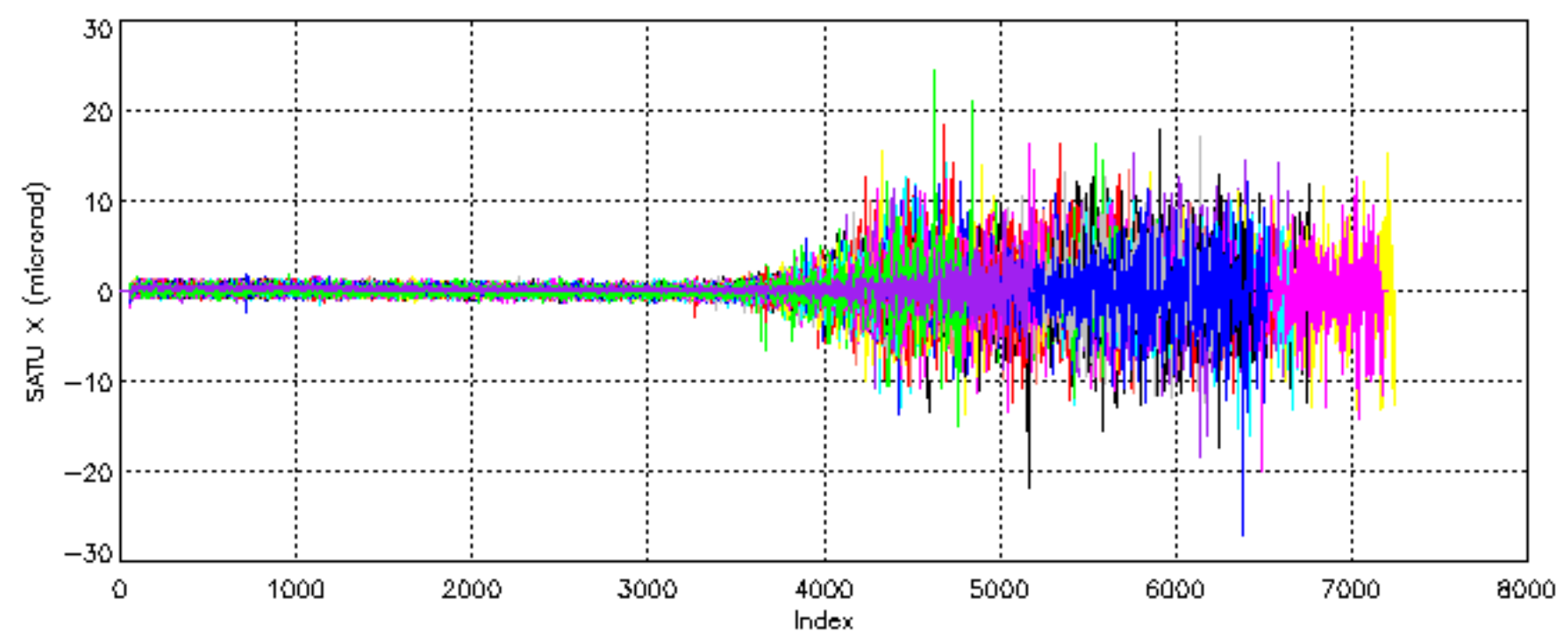


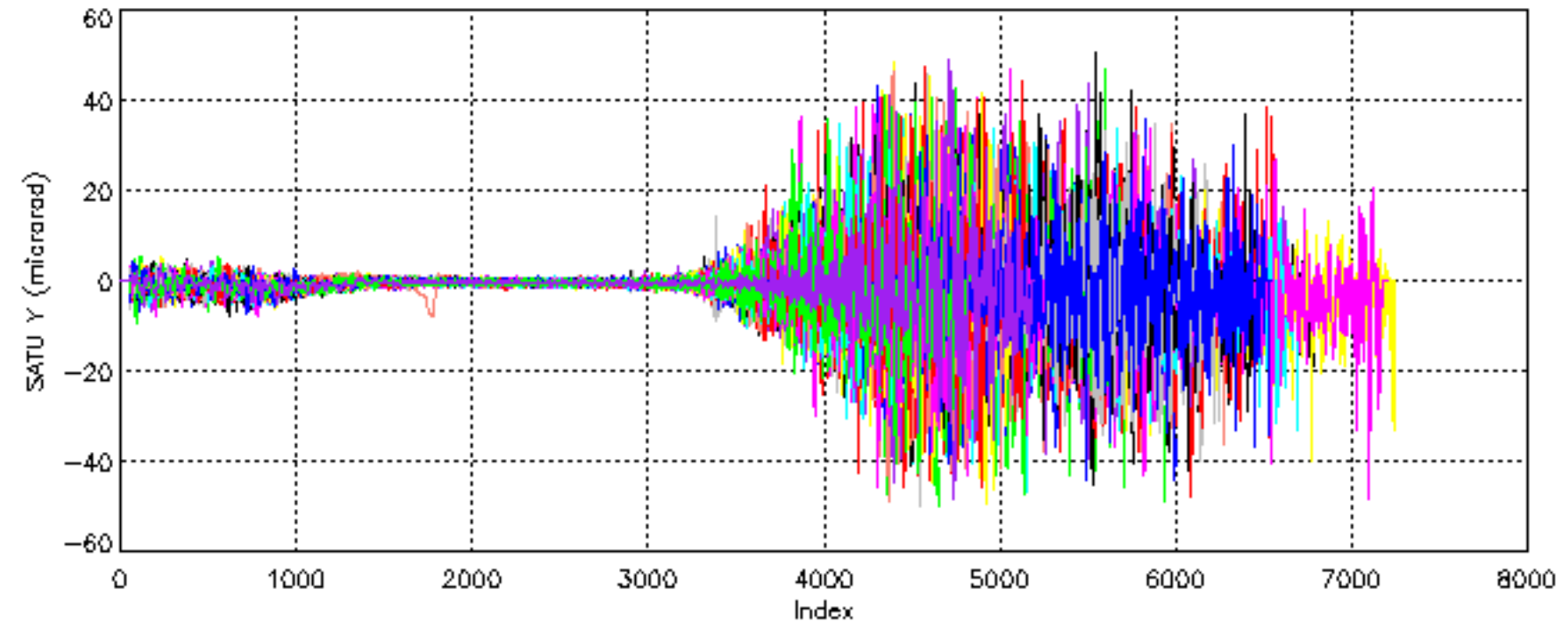
Tangent altitude at which the star is lost

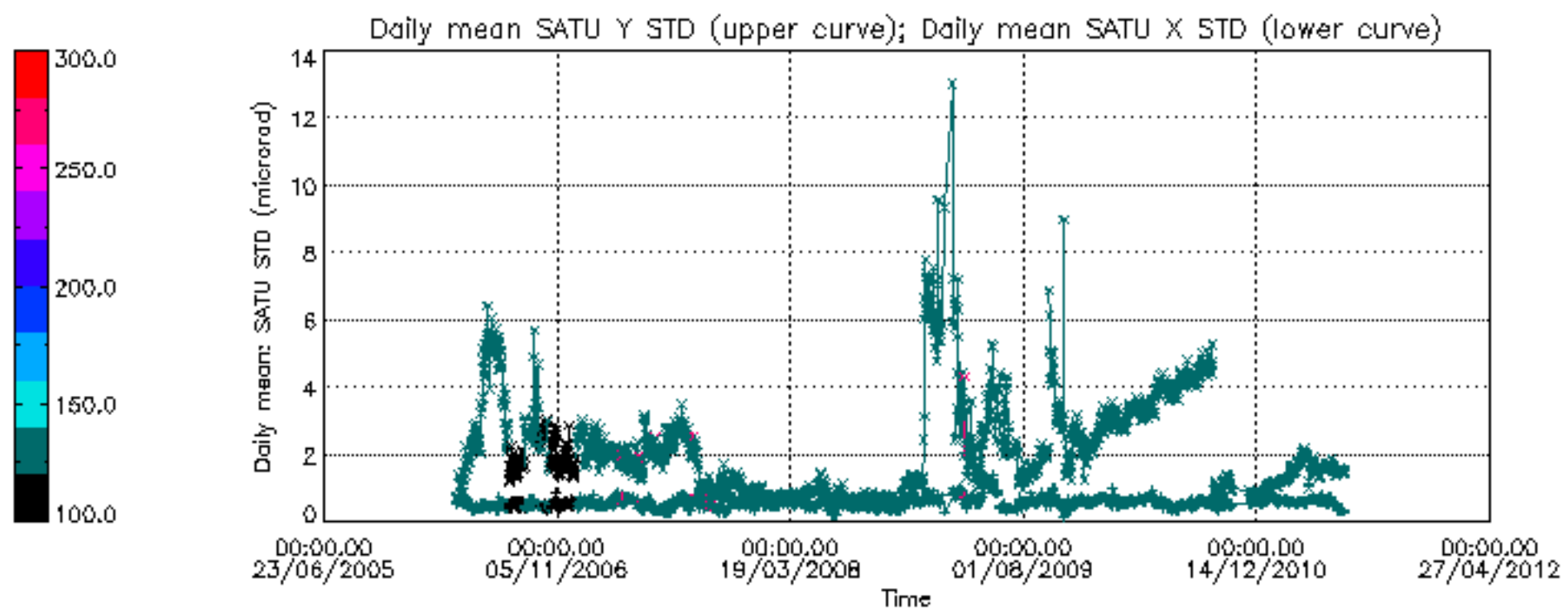


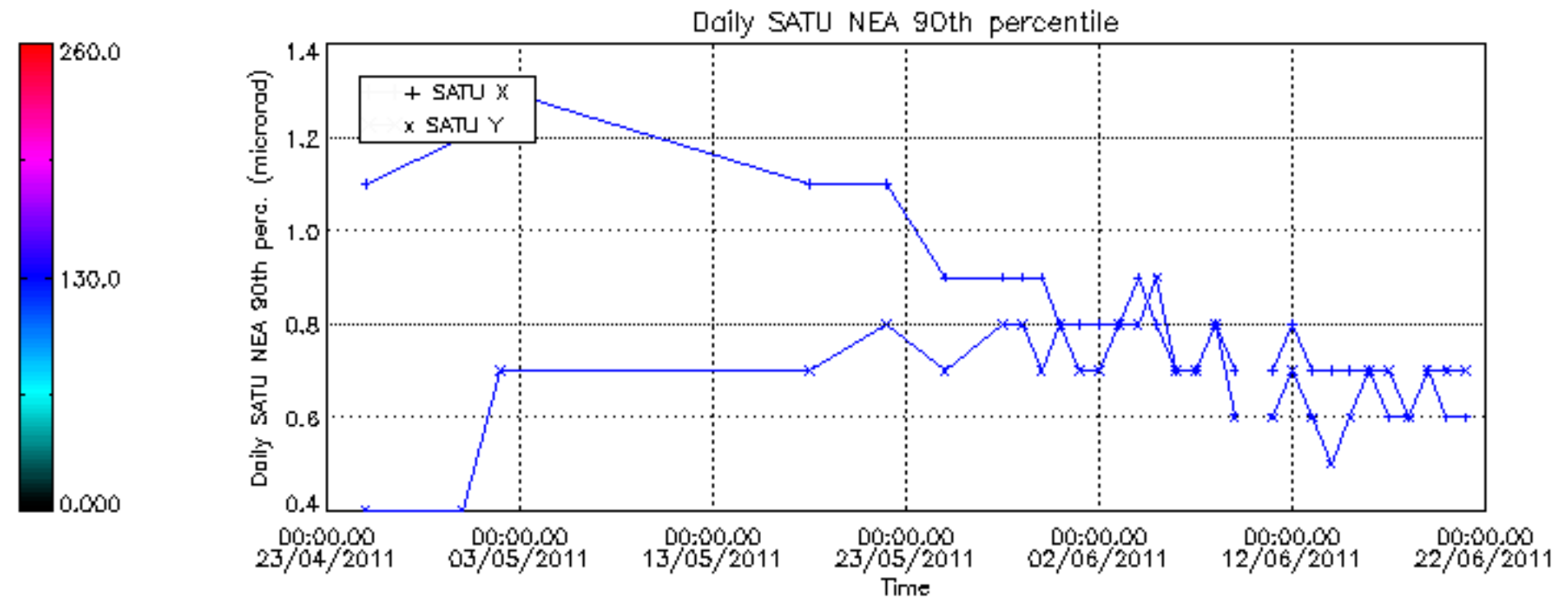
Tangent altitude at which the star is lost











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 17; 2001.9; 01-JUN-2011 01:36:00; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;48379
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 3; -1640.9; 01-JUN-2011 03:55:45; Bright; 44.0; 53; 43Bet And ; 2.05; 3300;occ; 88; 0;48380
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 17; 1365.5; 01-JUN-2011 04:45:51; Dark ; 57.0; 136; 23Tau Sco ; 2.82; 30000;occ; 114; 0;48381
 18; 1489.4; 01-JUN-2011 04:47:55; Bright; 39.5; 80; 7Del Sco ; 2.32; 30000;occ; 79; 0;48381
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23; 2507.7; 01-JUN-2011 05:04:53; Bright; 43.5; 133; 40Zet Her ; 2.81; 6000;occ; 87; 0;48381
24; 2984.8; 01-JUN-2011 05:12:50; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;48381
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11;	4592.6;	13-JUN-2011 10:00:25;	Dark ;	48.0;	50;	13Alp Ari ;	2.01;	4250;occ;	96;	0;48556
12;	5408.5;	13-JUN-2011 10:14:01;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;48556
13;	5511.7;	13-JUN-2011 10:15:45;	Dark ;	52.0;	52;	16Bet Cet ;	2.04;	4500;occ;	104;	0;48556
14;	5889.8;	13-JUN-2011 10:22:03;	Dark ;	45.0;	84;	Alp Phe ;	2.40;	4500;occ;	90;	0;48556
15;	6256.6;	13-JUN-2011 10:28:09;	Dark ;	49.5;	63;	Bet Gru ;	2.15;	2800;occ;	99;	0;48557
16;	6378.9;	13-JUN-2011 10:30:12;	Dark ;	47.0;	31;	Alp Gru ;	1.73;	15200;occ;	94;	0;48557
17;	6483.9;	13-JUN-2011 10:31:57;	Dark ;	56.5;	172;	Gam Gru ;	3.00;	13100;occ;	113;	0;48557
18;	6617.7;	13-JUN-2011 10:34:11;	Dark ;	43.0;	45;	Alp Pav ;	1.94;	26000;occ;	86;	0;48557
19;	7215.6;	13-JUN-2011 10:44:09;	Dark ;	43.5;	25;	35Lam Sco ;	1.62;	28000;occ;	87;	0;48557
20;	7317.8;	13-JUN-2011 10:45:51;	Dark ;	58.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	117;	0;48557
21;	7613.8;	13-JUN-2011 10:50:47;	Bright;	40.0;	86;	35Eta Oph ;	2.43;	10200;occ;	80;	0;48557
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1;	2000.4;	13-JUN-2011 10:57:27;	Bright;	44.0;	126;	60Bet Oph ;	2.77;	4250;occ;	88;	0;48557
2;	2152.5;	13-JUN-2011 10:59:59;	Bright;	42.5;	59;	55Alp Oph ;	2.08;	8900;occ;	85;	0;48557
3;	2265.7;	13-JUN-2011 11:01:52;	Bright;	37.0;	127;	27Bet Her ;	2.78;	4700;occ;	74;	0;48557
4;	2449.4;	13-JUN-2011 11:04:56;	Bright;	40.0;	133;	40Zet Her ;	2.81;	6000;occ;	80;	0;48557
5;	2861.0;	13-JUN-2011 11:11:48;	Bright;	42.5;	130;	23Bet Dra ;	2.80;	5800;occ;	85;	0;48557
6;	2948.3;	13-JUN-2011 11:13:15;	Bright;	39.5;	119;	14Eta Dra ;	2.73;	4700;occ;	79;	0;48557
7;	3488.7;	13-JUN-2011 11:22:16;	Bright;	48.0;	89;	5Alp Cep ;	2.45;	8000;occ;	96;	0;48557
8;	3865.0;	13-JUN-2011 11:28:32;	Bright;	64.0;	74;	11Bet Cas ;	2.27;	6600;occ;	128;	0;48557
9;	4247.5;	13-JUN-2011 11:34:54;	Bright;	40.0;	73;	57Gam1And ;	2.26;	13100;occ;	80;	0;48557
10;	4386.6;	13-JUN-2011 11:37:13;	Dark ;	54.5;	53;	43Bet And ;	2.05;	3300;occ;	109;	0;48557
11;	4592.6;	13-JUN-2011 11:40:39;	Dark ;	47.5;	50;	13Alp Ari ;	2.01;	4250;occ;	95;	0;48557
12;	5409.6;	13-JUN-2011 11:54:16;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;48557
13;	5512.5;	13-JUN-2011 11:55:59;	Dark ;	52.0;	52;	16Bet Cet ;	2.04;	4500;occ;	104;	0;48557
14;	5890.6;	13-JUN-2011 12:02:17;	Dark ;	43.5;	84;	Alp Phe ;	2.40;	4500;occ;	87;	0;48557
15;	6257.5;	13-JUN-2011 12:08:24;	Dark ;	50.5;	63;	Bet Gru ;	2.15;	2800;occ;	101;	0;48558
16;	6379.8;	13-JUN-2011 12:10:27;	Dark ;	49.0;	31;	Alp Gru ;	1.73;	15200;occ;	98;	0;48558
17;	6485.2;	13-JUN-2011 12:12:12;	Dark ;	57.0;	172;	Gam Gru ;	3.00;	13100;occ;	114;	0;48558
18;	6618.3;	13-JUN-2011 12:14:25;	Dark ;	42.0;	45;	Alp Pav ;	1.94;	26000;occ;	84;	0;48558
19;	7216.0;	13-JUN-2011 12:24:23;	Dark ;	46.0;	25;	35Lam Sco ;	1.62;	28000;occ;	92;	0;48558
20;	7318.5;	13-JUN-2011 12:26:05;	Dark ;	61.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	123;	0;48558
21;	7613.9;	13-JUN-2011 12:31:01;	Bright;	34.5;	86;	35Eta Oph ;	2.43;	10200;occ;	69;	0;48558
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2;	2000.0;	13-JUN-2011 12:37:41;	Bright;	45.5;	126;	60Bet Oph ;	2.77;	4250;occ;	91;	0;48558
3;	2152.1;	13-JUN-2011 12:40:13;	Bright;	45.5;	59;	55Alp Oph ;	2.08;	8900;occ;	91;	0;48558
4;	2265.6;	13-JUN-2011 12:42:06;	Bright;	35.5;	127;	27Bet Her ;	2.78;	4700;occ;	71;	0;48558
5;	2449.0;	13-JUN-2011 12:45:10;	Bright;	39.0;	133;	40Zet Her ;	2.81;	6000;occ;	78;	0;48558
6;	2860.5;	13-JUN-2011 12:52:01;	Bright;	42.5;	130;	23Bet Dra ;	2.80;	5800;occ;	85;	0;48558
7;	2948.2;	13-JUN-2011 12:53:29;	Bright;	38.0;	119;	14Eta Dra ;	2.73;	4700;occ;	76;	0;48558
8;	3488.1;	13-JUN-2011 13:02:29;	Bright;	46.5;	89;	5Alp Cep ;	2.45;	8000;occ;	93;	0;48558
9;	3864.5;	13-JUN-2011 13:08:45;	Bright;	41.0;	74;	11Bet Cas ;	2.27;	6600;occ;	82;	0;48558
10;	4247.6;	13-JUN-2011 13:15:08;	Bright;	39.5;	73;	57Gam1And ;	2.26;	13100;occ;	79;	0;48558
11;	4386.7;	13-JUN-2011 13:17:27;	Dark ;	54.5;	53;	43Bet And ;	2.05;	3300;occ;	109;	0;48558
12;	4593.0;	13-JUN-2011 13:20:54;	Dark ;	46.0;	50;	13Alp Ari ;	2.01;	4250;occ;	92;	0;48558
13;	5410.6;	13-JUN-2011 13:34:31;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;48558
14;	5513.6;	13-JUN-2011 13:36:14;	Dark ;	53.0;	52;	16Bet Cet ;	2.04;	4500;occ;	106;	0;48558
15;	5891.2;	13-JUN-2011 13:42:32;	Dark ;	49.5;	84;	Alp Phe ;	2.40;	4500;occ;	99;	0;48558
16;	6258.6;	13-JUN-2011 13:48:39;	Dark ;	49.5;	63;	Bet Gru ;	2.15;	2800;occ;	99;	0;48559
17;	6380.9;	13-JUN-2011 13:50:42;	Dark ;	50.0;	31;	Alp Gru ;	1.73;	15200;occ;	100;	0;48559
18;	6486.4;	13-JUN-2011 13:52:27;	Dark ;	59.0;	172;	Gam Gru ;	3.00;	13100;occ;	118;	0;48559
19;	6619.2;	13-JUN-2011 13:54:40;	Dark ;	41.5;	45;	Alp Pav ;	1.94;	26000;occ;	83;	0;48559
20;	7216.3;	13-JUN-2011 14:04:37;	Dark ;	44.0;	25;	35Lam Sco ;	1.62;	28000;occ;	88;	0;48559
21;	7318.7;	13-JUN-2011 14:06:19;	Dark ;	58.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	117;	0;48559
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2;	1999.8;	13-JUN-2011 14:17:55;	Bright;	45.0;	126;	60Bet Oph ;	2.77;	4250;occ;	90;	0;48559
3;	2151.9;	13-JUN-2011 14:20:27;	Bright;	43.5;	59;	55Alp Oph ;	2.08;	8900;occ;	87;	0;48559
4;	2265.5;	13-JUN-2011 14:22:20;	Bright;	36.5;	127;	27Bet Her ;	2.78;	4700;occ;	73;	0;48559
5;	2448.9;	13-JUN-2011 14:25:24;	Bright;	38.0;	133;	40Zet Her ;	2.81;	6000;occ;	76;	0;48559
6;	2860.4;	13-JUN-2011 14:32:15;	Bright;	42.0;	130;	23Bet Dra ;	2.80;	5800;occ;	84;	0;48559
7;	2948.2;	13-JUN-2011 14:33:43;	Bright;	37.0;	119;	14Eta Dra ;	2.73;	4700;occ;	74;	0;48559
8;	3487.4;	13-JUN-2011 14:42:42;	Bright;	48.0;	89;	5Alp Cep ;	2.45;	8000;occ;	96;	0;48559
9;	3864.3;	13-JUN-2011 14:48:59;	Bright;	64.0;	74;	11Bet Cas ;	2.27;	6600;occ;	128;	0;48559
10;	4247.8;	13-JUN-2011 14:55:22;	Bright;	57.0;	73;	57Gam1And ;	2.26;	13100;occ;	114;	0;48559
11;	4387.1;	13-JUN-2011 14:57:42;	Dark ;	50.5;	53;	43Bet And ;	2.05;	3300;occ;	101;	0;48559

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 13; 5411.7; 13-JUN-2011 15:14:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48559
 14; 5514.7; 13-JUN-2011 15:16:29; Dark ; 53.0; 52; 16Bet Cet ; 2.04; 4500;occ; 106; 0;48559
 15; 5892.0; 13-JUN-2011 15:22:47; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48559
 16; 6259.6; 13-JUN-2011 15:28:54; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48560
 17; 6381.8; 13-JUN-2011 15:30:57; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48560
 18; 6487.8; 13-JUN-2011 15:32:42; Dark ; 58.0; 172; Gam Gru ; 3.00; 13100;occ; 116; 0;48560
 19; 6619.8; 13-JUN-2011 15:34:54; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48560
 20; 7216.7; 13-JUN-2011 15:44:51; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;48560
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 4; 2151.6; 13-JUN-2011 16:00:40; Bright; 44.0; 59; 55Alp Oph ; 2.08; 8900;occ; 88; 0;48560
 5; 2265.4; 13-JUN-2011 16:02:34; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;48560
 6; 2448.6; 13-JUN-2011 16:05:37; Bright; 40.5; 133; 40Zet Her ; 2.81; 6000;occ; 81; 0;48560
 7; 2859.8; 13-JUN-2011 16:12:28; Bright; 60.0; 130; 23Bet Dra ; 2.80; 5800;occ; 120; 0;48560
 8; 2947.7; 13-JUN-2011 16:13:56; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;48560
 9; 3486.9; 13-JUN-2011 16:22:56; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48560
 10; 3864.1; 13-JUN-2011 16:29:13; Bright; 64.0; 74; 11Bet Cas ; 2.27; 6600;occ; 128; 0;48560
 11; 4247.7; 13-JUN-2011 16:35:36; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;48560
 12; 4387.0; 13-JUN-2011 16:37:56; Dark ; 52.5; 53; 43Bet And ; 2.05; 3300;occ; 105; 0;48560
 13; 4593.4; 13-JUN-2011 16:41:22; Dark ; 48.0; 50; 13Alp Ari ; 2.01; 4250;occ; 96; 0;48560
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 16; 5892.8; 13-JUN-2011 17:03:01; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;48560
 17; 6260.6; 13-JUN-2011 17:09:09; Dark ; 59.5; 63; Bet Gru ; 2.15; 2800;occ; 119; 0;48561
 18; 6383.0; 13-JUN-2011 17:11:12; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48561
 19; 6489.1; 13-JUN-2011 17:12:58; Dark ; 56.5; 172; Gam Gru ; 3.00; 13100;occ; 113; 0;48561
 20; 6620.3; 13-JUN-2011 17:15:09; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48561

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 2; 1305.4; 13-JUN-2011 17:26:48; Dark ; 57.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 115; 0;48561
 3; 1600.4; 13-JUN-2011 17:31:43; Bright; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;48561
 4; 1999.3; 13-JUN-2011 17:38:22; Bright; 44.5; 126; 60Bet Oph ; 2.77; 4250;occ; 89; 0;48561
 5; 2151.3; 13-JUN-2011 17:40:54; Bright; 45.0; 59; 55Alp Oph ; 2.08; 8900;occ; 90; 0;48561
 6; 2265.1; 13-JUN-2011 17:42:48; Bright; 39.5; 127; 27Bet Her ; 2.78; 4700;occ; 79; 0;48561
 7; 2448.4; 13-JUN-2011 17:45:51; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;48561
 8; 2859.4; 13-JUN-2011 17:52:42; Bright; 42.5; 130; 23Bet Dra ; 2.80; 5800;occ; 85; 0;48561
 9; 2947.7; 13-JUN-2011 17:54:10; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;48561
 10; 3486.0; 13-JUN-2011 18:03:09; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;48561
 11; 3863.7; 13-JUN-2011 18:09:26; Bright; 64.0; 74; 11Bet Cas ; 2.27; 6600;occ; 128; 0;48561
 12; 4247.7; 13-JUN-2011 18:15:50; Bright; 40.0; 73; 57Gam1And ; 2.26; 13100;occ; 80; 0;48561
 13; 4387.1; 13-JUN-2011 18:18:10; Dark ; 57.5; 53; 43Bet And ; 2.05; 3300;occ; 115; 0;48561
 14; 4593.7; 13-JUN-2011 18:21:36; Dark ; 50.0; 50; 13Alp Ari ; 2.01; 4250;occ; 100; 0;48561
 15; 5413.9; 13-JUN-2011 18:35:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48561
 16; 5516.6; 13-JUN-2011 18:36:59; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;48561
 17; 5893.7; 13-JUN-2011 18:43:16; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48561
 18; 6261.6; 13-JUN-2011 18:49:24; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48562
 19; 6383.9; 13-JUN-2011 18:51:27; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48562
 20; 6490.5; 13-JUN-2011 18:53:13; Dark ; 59.5; 172; Gam Gru ; 3.00; 13100;occ; 119; 0;48562
 21; 6620.8; 13-JUN-2011 18:55:24; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48562

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 3; 1600.5; 13-JUN-2011 19:11:57; Bright; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;48562
 4; 1998.9; 13-JUN-2011 19:18:36; Bright; 44.5; 126; 60Bet Oph ; 2.77; 4250;occ; 89; 0;48562
 5; 2150.9; 13-JUN-2011 19:21:08; Bright; 44.5; 59; 55Alp Oph ; 2.08; 8900;occ; 89; 0;48562
 6; 2265.1; 13-JUN-2011 19:23:02; Bright; 37.5; 127; 27Bet Her ; 2.78; 4700;occ; 75; 0;48562
 7; 2448.1; 13-JUN-2011 19:26:05; Bright; 38.5; 133; 40Zet Her ; 2.81; 6000;occ; 77; 0;48562
 8; 2859.1; 13-JUN-2011 19:32:56; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;48562
 9; 2947.5; 13-JUN-2011 19:34:24; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;48562
 10; 3485.5; 13-JUN-2011 19:43:22; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48562
 11; 3863.3; 13-JUN-2011 19:49:40; Bright; 64.0; 74; 11Bet Cas ; 2.27; 6600;occ; 128; 0;48562
 12; 4247.7; 13-JUN-2011 19:56:05; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;48562
 13; 4387.1; 13-JUN-2011 19:58:24; Dark ; 58.5; 53; 43Bet And ; 2.05; 3300;occ; 117; 0;48562
 14; 4593.8; 13-JUN-2011 20:01:51; Dark ; 49.5; 50; 13Alp Ari ; 2.01; 4250;occ; 99; 0;48562


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16; 5517.7; 13-JUN-2011 20:17:15; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;48562
17; 5894.3; 13-JUN-2011 20:23:31; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;48562
18; 6262.2; 13-JUN-2011 20:29:39; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48563
19; 6384.6; 13-JUN-2011 20:31:41; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48563
20; 6491.8; 13-JUN-2011 20:33:29; Dark ; 58.0; 172; Gam Gru ; 3.00; 13100;occ; 116; 0;48563
21; 6621.4; 13-JUN-2011 20:35:38; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48563
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 3; -117.5; 14-JUN-2011 01:24:15; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48565
 4; 251.3; 14-JUN-2011 01:30:24; Dark ; 65.5; 63; Bet Gru ; 2.15; 2800;occ; 131; 0;48566
 5; 373.7; 14-JUN-2011 01:32:26; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48566
 6; 481.6; 14-JUN-2011 01:34:14; Dark ; 56.5; 172; Gam Gru ; 3.00; 13100;occ; 113; 0;48566
 7; 609.1; 14-JUN-2011 01:36:22; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48566
 8; 1204.3; 14-JUN-2011 01:46:17; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;48566
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10; 4638.5; 26-JUN-2011 10:24:47; Dark ; 53.5; 50; 13Alp Ari ; 2.01; 4250;occ; 107; 0;48743
11; 4932.1; 26-JUN-2011 10:29:41; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48743
12; 5437.7; 26-JUN-2011 10:38:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48743
13; 6051.4; 26-JUN-2011 10:48:20; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;48744
14; 6439.9; 26-JUN-2011 10:54:48; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48744
15; 6559.5; 26-JUN-2011 10:56:48; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48744
16; 6724.4; 26-JUN-2011 10:59:33; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;48744
17; 7263.4; 26-JUN-2011 11:08:32; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;48744
18; 7346.7; 26-JUN-2011 11:09:55; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48744
19; 7473.1; 26-JUN-2011 11:12:02; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48744

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 2; 2113.0; 26-JUN-2011 11:22:55; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48744
 3; 2664.5; 26-JUN-2011 11:32:07; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;48744
 4; 2803.2; 26-JUN-2011 11:34:26; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48744
 5; 3790.5; 26-JUN-2011 11:50:53; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48744
 6; 3887.6; 26-JUN-2011 11:52:30; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48744
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 9; 4397.8; 26-JUN-2011 12:01:00; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48744
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 12; 5438.4; 26-JUN-2011 12:18:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48744
 13; 6052.3; 26-JUN-2011 12:28:35; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;48745
 14; 6441.2; 26-JUN-2011 12:35:04; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48745
 15; 6560.4; 26-JUN-2011 12:37:03; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48745
 16; 6725.0; 26-JUN-2011 12:39:47; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48745
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 18; 7346.7; 26-JUN-2011 12:50:09; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48745
 19; 7473.2; 26-JUN-2011 12:52:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48745

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 2; 2113.0; 26-JUN-2011 13:03:09; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48745
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 9; 4397.7; 26-JUN-2011 13:41:14; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48745
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 11; 4933.0; 26-JUN-2011 13:50:09; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48745
 12; 5439.2; 26-JUN-2011 13:58:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48745
 13; 6053.4; 26-JUN-2011 14:08:50; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;48746
 14; 6442.0; 26-JUN-2011 14:15:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48746
 15; 6561.3; 26-JUN-2011 14:17:18; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;48746
 16; 6725.6; 26-JUN-2011 14:20:02; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48746
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 18; 7346.9; 26-JUN-2011 14:30:23; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;48746
 19; 7473.5; 26-JUN-2011 14:32:30; Bright; 47.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 95; 0;48746

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 3; 2663.5; 26-JUN-2011 14:52:34; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48746
 4; 2802.6; 26-JUN-2011 14:54:53; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48746
 5; 3790.2; 26-JUN-2011 15:11:21; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48746
 6; 3887.2; 26-JUN-2011 15:12:58; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48746
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 9; 4398.1; 26-JUN-2011 15:21:28; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;48746
 10; 4639.5; 26-JUN-2011 15:25:30; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48746
 11; 4933.5; 26-JUN-2011 15:30:24; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48746
 12; 5440.0; 26-JUN-2011 15:38:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48746
 13; 6054.2; 26-JUN-2011 15:49:05; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48747
 14; 6443.2; 26-JUN-2011 15:55:33; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;48747
 15; 6562.5; 26-JUN-2011 15:57:33; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48747
 16; 6725.9; 26-JUN-2011 16:00:16; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48747
 17; 7264.5; 26-JUN-2011 16:09:15; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48747

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 3; 1459.6; 26-JUN-2011 16:12:44; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48747
 4; 1971.7; 26-JUN-2011 16:21:16; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48747
 5; 2112.7; 26-JUN-2011 16:23:37; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48747
 6; 2662.8; 26-JUN-2011 16:32:47; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48747
 7; 2802.6; 26-JUN-2011 16:35:07; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48747
 8; 3789.4; 26-JUN-2011 16:51:34; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48747
 9; 3886.5; 26-JUN-2011 16:53:11; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48747

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 11; 4246.9; 26-JUN-2011 16:59:11; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;48747
 12; 4398.1; 26-JUN-2011 17:01:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48747
 13; 4639.8; 26-JUN-2011 17:05:44; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48747
 14; 4933.7; 26-JUN-2011 17:10:38; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48747
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 17; 6444.2; 26-JUN-2011 17:35:49; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48748
 18; 6563.2; 26-JUN-2011 17:37:48; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48748
 19; 6726.6; 26-JUN-2011 17:40:31; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48748

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 3; 1459.9; 26-JUN-2011 17:52:58; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48748
 4; 1971.6; 26-JUN-2011 18:01:30; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48748
 5; 2112.5; 26-JUN-2011 18:03:51; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48748
 6; 2662.2; 26-JUN-2011 18:13:01; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48748
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 12; 4398.2; 26-JUN-2011 18:41:57; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48748
 13; 4639.9; 26-JUN-2011 18:45:58; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;48748
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 3; 1459.9; 26-JUN-2011 19:33:12; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48749
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 5; 2112.4; 26-JUN-2011 19:44:05; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48749
 6; 2661.6; 26-JUN-2011 19:53:14; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;48749
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 14; 4934.4; 26-JUN-2011 20:31:07; Dark ; 43.5; 94; 92Alp Cet ; 2.53; 3100;occ; 87; 0;48749
 15; 5442.3; 26-JUN-2011 20:39:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48749
 16; 6057.3; 26-JUN-2011 20:49:50; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48750
 17; 6445.8; 26-JUN-2011 20:56:18; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48750
 18; 6565.0; 26-JUN-2011 20:58:17; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48750
 19; 6727.4; 26-JUN-2011 21:01:00; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48750

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 3; 433.8; 27-JUN-2011 00:16:48; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48752
 4; 552.8; 27-JUN-2011 00:18:47; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48752
 5; 714.4; 27-JUN-2011 00:21:29; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48752
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 12; 2801.3; 27-JUN-2011 00:56:16; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48752
 13; 3355.6; 27-JUN-2011 01:05:30; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48752
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 15; 3884.5; 27-JUN-2011 01:14:19; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48752
 16; 4043.6; 27-JUN-2011 01:16:58; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48752
 17; 4246.6; 27-JUN-2011 01:20:21; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48752


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19; 4641.2; 27-JUN-2011 01:26:56; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48752
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3; 434.7; 27-JUN-2011 01:57:03; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;48753
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6; 1252.0; 27-JUN-2011 02:10:40; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48753
7; 1334.7; 27-JUN-2011 02:12:03; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48753
8; 1460.9; 27-JUN-2011 02:14:09; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48753
9; 1971.2; 27-JUN-2011 02:22:39; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48753
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11; 2659.3; 27-JUN-2011 02:34:08; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48753
12; 2801.4; 27-JUN-2011 02:36:30; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48753
13; 3355.1; 27-JUN-2011 02:45:43; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;48753
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2;-2129.9; 27-JUN-2011 02:54:32; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48753
3;-1970.4; 27-JUN-2011 02:57:12; Bright; 39.5; 160; 23Gam Per ; 2.93; 4700;occ; 79; 0;48753
4;-1767.4; 27-JUN-2011 03:00:35; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48753
5;-1615.5; 27-JUN-2011 03:03:07; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48753
6;-1372.6; 27-JUN-2011 03:07:10; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48753
7;-1078.2; 27-JUN-2011 03:12:04; Dark ; 40.0; 94; 92Alp Cet ; 2.53; 3100;occ; 80; 0;48753
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9; 47.1; 27-JUN-2011 03:30:49; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48754
10; 435.9; 27-JUN-2011 03:37:18; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48754
11; 554.9; 27-JUN-2011 03:39:17; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48754
12; 715.5; 27-JUN-2011 03:41:58; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48754
13; 1252.4; 27-JUN-2011 03:50:55; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48754
14; 1335.1; 27-JUN-2011 03:52:17; Dark ; 43.0; 116; 19Del Sgr ; 2.70; 4100;occ; 86; 0;48754
15; 1461.0; 27-JUN-2011 03:54:23; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48754
16; 1971.1; 27-JUN-2011 04:02:53; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48754
17; 2111.9; 27-JUN-2011 04:05:14; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48754
18; 2659.1; 27-JUN-2011 04:14:21; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48754
19; 2801.1; 27-JUN-2011 04:16:43; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48754
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2;-2130.2; 27-JUN-2011 04:34:46; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48754
3;-1970.3; 27-JUN-2011 04:37:26; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48754
4;-1767.5; 27-JUN-2011 04:40:49; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48754
5;-1615.5; 27-JUN-2011 04:43:21; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48754
6;-1372.2; 27-JUN-2011 04:47:24; Dark ; 56.0; 50; 13Alp Ari ; 2.01; 4250;occ; 112; 0;48754
7;-1077.7; 27-JUN-2011 04:52:19; Dark ; 38.5; 94; 92Alp Cet ; 2.53; 3100;occ; 77; 0;48754
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9; 48.1; 27-JUN-2011 05:11:04; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48755
10; 437.0; 27-JUN-2011 05:17:33; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48755
11; 555.7; 27-JUN-2011 05:19:32; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48755
12; 716.2; 27-JUN-2011 05:22:13; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48755
13; 1252.6; 27-JUN-2011 05:31:09; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48755
14; 1335.2; 27-JUN-2011 05:32:31; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48755
15; 1461.3; 27-JUN-2011 05:34:38; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48755
16; 1971.1; 27-JUN-2011 05:43:07; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48755
17; 2111.8; 27-JUN-2011 05:45:28; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48755
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19; 2801.0; 27-JUN-2011 05:56:57; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48755
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3; 1463.2; 27-JUN-2011 20:36:45; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48764
4; 1970.9; 27-JUN-2011 20:45:13; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48764
5; 2111.1; 27-JUN-2011 20:47:33; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48764
6; 2653.6; 27-JUN-2011 20:56:36; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48764
7; 2799.2; 27-JUN-2011 20:59:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48764
8; 3347.8; 27-JUN-2011 21:08:10; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48764

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11; 4043.3; 27-JUN-2011 21:19:46; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48764
12; 4246.0; 27-JUN-2011 21:23:08; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48764
13; 4399.3; 27-JUN-2011 21:25:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48764
14; 4644.8; 27-JUN-2011 21:29:47; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48764
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3; 446.6; 27-JUN-2011 22:00:03; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48765
4; 564.6; 27-JUN-2011 22:02:01; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48765
5; 721.1; 27-JUN-2011 22:04:37; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48765
6; 1255.4; 27-JUN-2011 22:13:32; Dark ; 41.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 82; 0;48765
7; 1337.7; 27-JUN-2011 22:14:54; Dark ; 45.5; 116; 19Del Sgr ; 2.70; 4100;occ; 91; 0;48765
8; 1463.3; 27-JUN-2011 22:16:59; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48765
9; 1970.6; 27-JUN-2011 22:25:27; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48765
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11; 2653.0; 27-JUN-2011 22:36:49; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48765
12; 2799.0; 27-JUN-2011 22:39:15; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48765
13; 3347.2; 27-JUN-2011 22:48:23; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;48765
14; 3780.7; 27-JUN-2011 22:55:37; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48765
15; 3879.2; 27-JUN-2011 22:57:15; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48765
16; 4043.3; 27-JUN-2011 23:00:00; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48765
17; 4246.0; 27-JUN-2011 23:03:22; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48765
18; 4399.2; 27-JUN-2011 23:05:55; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48765
19; 4645.0; 27-JUN-2011 23:10:01; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48765
20; 4940.3; 27-JUN-2011 23:14:57; Dark ; 38.0; 94; 92Alp Cet ; 2.53; 3100;occ; 76; 0;48765
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2; 58.6; 27-JUN-2011 23:33:49; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48766
3; 447.6; 27-JUN-2011 23:40:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48766
4; 565.6; 27-JUN-2011 23:42:16; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48766
5; 721.7; 27-JUN-2011 23:44:52; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48766
6; 1255.6; 27-JUN-2011 23:53:46; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48766
7; 1338.0; 27-JUN-2011 23:55:08; Dark ; 41.0; 116; 19Del Sgr ; 2.70; 4100;occ; 82; 0;48766
8; 1463.5; 27-JUN-2011 23:57:14; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48766
9; 1970.6; 28-JUN-2011 00:05:41; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48766
10; 2110.7; 28-JUN-2011 00:08:01; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48766
11; 2652.3; 28-JUN-2011 00:17:02; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;48766
12; 2798.8; 28-JUN-2011 00:19:29; Bright; 53.0; 130; 23Bet Dra ; 2.80; 5800;occ; 106; 0;48766
13; 3346.5; 28-JUN-2011 00:28:37; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48766
14; 3780.1; 28-JUN-2011 00:35:50; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48766
15; 3878.8; 28-JUN-2011 00:37:29; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48766
16; 4043.4; 28-JUN-2011 00:40:14; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48766
17; 4245.9; 28-JUN-2011 00:43:36; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48766
18; 4399.4; 28-JUN-2011 00:46:10; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48766
19; 4645.3; 28-JUN-2011 00:50:15; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48766
20; 4940.7; 28-JUN-2011 00:55:11; Dark ; 38.0; 94; 92Alp Cet ; 2.53; 3100;occ; 76; 0;48766
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3; -1970.3; 27-JUN-2011 06:17:40; Bright; 49.5; 160; 23Gam Per ; 2.93; 4700;occ; 99; 0;48755
4; -1767.6; 27-JUN-2011 06:21:03; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48755
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9; 49.2; 27-JUN-2011 06:51:20; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48756
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11; 556.8; 27-JUN-2011 06:59:47; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48756
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13; 1252.9; 27-JUN-2011 07:11:23; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48756
14; 1335.5; 27-JUN-2011 07:12:46; Dark ; 46.5; 116; 19Del Sgr ; 2.70; 4100;occ; 93; 0;48756
15; 1461.6; 27-JUN-2011 07:14:52; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48756
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4; 2800.8; 27-JUN-2011 07:37:11; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48756
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6; 3785.1; 27-JUN-2011 07:53:35; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48756
7; 3882.8; 27-JUN-2011 07:55:13; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48756
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9; 4246.5; 27-JUN-2011 08:01:17; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48756
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19; 7349.7; 27-JUN-2011 08:53:00; Dark ; 41.0; 116; 19Del Sgr ; 2.70; 4100;occ; 82; 0;48757
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4; 2800.9; 27-JUN-2011 09:17:25; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48757
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6; 3784.6; 27-JUN-2011 09:33:49; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48757
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8; 4043.7; 27-JUN-2011 09:38:08; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48757
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11; 4642.7; 27-JUN-2011 09:48:07; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48757
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16; 6572.2; 27-JUN-2011 10:20:17; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48758
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19; 7350.0; 27-JUN-2011 10:33:14; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48758
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4; 2800.3; 27-JUN-2011 10:57:39; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48758
5; 3351.8; 27-JUN-2011 11:06:50; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48758
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8; 4043.5; 27-JUN-2011 11:18:22; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48758
9; 4246.4; 27-JUN-2011 11:21:45; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48758
10; 4398.7; 27-JUN-2011 11:24:17; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48758
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13; 5449.4; 27-JUN-2011 11:41:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48758
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16; 6573.4; 27-JUN-2011 12:00:32; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48759
17; 6732.3; 27-JUN-2011 12:03:11; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48759
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19; 7350.3; 27-JUN-2011 12:13:29; Dark ; 44.0; 116; 19Del Sgr ; 2.70; 4100;occ; 88; 0;48759
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4; 2800.3; 27-JUN-2011 12:37:52; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48759
5; 3351.0; 27-JUN-2011 12:47:03; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48759
6; 3783.5; 27-JUN-2011 12:54:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48759
7; 3881.8; 27-JUN-2011 12:55:54; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48759


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11; 4643.2; 27-JUN-2011 13:08:35; Dark ; 58.5; 50; 13Alp Ari ; 2.01; 4250;occ; 117; 0;48759
12; 4938.2; 27-JUN-2011 13:13:30; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48759
13; 5450.2; 27-JUN-2011 13:22:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48759
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19; 7350.4; 27-JUN-2011 13:53:43; Dark ; 47.0; 116; 19Del Sgr ; 2.70; 4100;occ; 94; 0;48760
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4; 2800.2; 27-JUN-2011 14:18:06; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;48760
5; 3350.6; 27-JUN-2011 14:27:17; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48760
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12; 4938.6; 27-JUN-2011 14:53:45; Dark ; 49.5; 94; 92Alp Cet ; 2.53; 3100;occ; 99; 0;48760
13; 5451.0; 27-JUN-2011 15:02:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48760
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16; 6575.4; 27-JUN-2011 15:21:02; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48761
17; 6733.2; 27-JUN-2011 15:23:39; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48761
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12; 4643.8; 27-JUN-2011 16:29:04; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48761
13; 4938.9; 27-JUN-2011 16:33:59; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;48761
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17; 6576.2; 27-JUN-2011 17:01:16; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48762
18; 6733.7; 27-JUN-2011 17:03:54; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48762
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6; 2654.6; 27-JUN-2011 17:36:09; Bright; 47.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 94; 0;48762
7; 2799.7; 27-JUN-2011 17:38:34; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48762
8; 3349.0; 27-JUN-2011 17:47:43; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48762
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12; 4246.5; 27-JUN-2011 18:02:41; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48762
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14; 4644.2; 27-JUN-2011 18:09:18; Dark ; 60.0; 50; 13Alp Ari ; 2.01; 4250;occ; 120; 0;48762
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19; 6577.1; 27-JUN-2011 18:41:31; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48763
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 8; 3348.4; 27-JUN-2011 19:27:57; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;48763
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12; 4246.1; 27-JUN-2011 19:42:54; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48763
13; 4399.3; 27-JUN-2011 19:45:28; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48763
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16; 5453.4; 27-JUN-2011 20:03:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48763
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19; 6577.8; 27-JUN-2011 20:21:46; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48764
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13; 3779.8; 28-JUN-2011 02:16:04; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48767
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29; 8124.7; 28-JUN-2011 03:28:29; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48768
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 5; -1614.3; 28-JUN-2011 04:06:38; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48768
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3; 2648.2; 28-JUN-2011 13:38:50; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48774
4; 2797.4; 28-JUN-2011 13:41:19; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48774
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6; 3776.0; 28-JUN-2011 13:57:38; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48774
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8; 4043.2; 28-JUN-2011 14:02:05; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0;48774
9; 4245.7; 28-JUN-2011 14:05:28; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48774
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12; 4943.8; 28-JUN-2011 14:17:06; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48774
13; 5462.4; 28-JUN-2011 14:25:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48774
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15; 6470.3; 28-JUN-2011 14:42:32; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48775
16; 6587.8; 28-JUN-2011 14:44:30; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48775
17; 6740.3; 28-JUN-2011 14:47:02; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48775
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4; 2110.2; 28-JUN-2011 15:10:06; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;48775
5; 2647.9; 28-JUN-2011 15:19:04; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48775
6; 2797.3; 28-JUN-2011 15:21:33; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48775
7; 3340.4; 28-JUN-2011 15:30:36; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48775
8; 3775.8; 28-JUN-2011 15:37:52; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48775
9; 3875.4; 28-JUN-2011 15:39:31; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48775

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 11; 4245.6; 28-JUN-2011 15:45:42; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48775
 12; 4400.1; 28-JUN-2011 15:48:16; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48775
 13; 4648.2; 28-JUN-2011 15:52:24; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48775
 14; 4944.6; 28-JUN-2011 15:57:20; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48775
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 17; 6471.5; 28-JUN-2011 16:22:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48776
 18; 6589.0; 28-JUN-2011 16:24:45; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48776
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 3; 1465.4; 28-JUN-2011 16:39:35; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48776
 4; 1970.4; 28-JUN-2011 16:48:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48776
 5; 2110.1; 28-JUN-2011 16:50:20; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48776
 6; 2647.3; 28-JUN-2011 16:59:17; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48776
 7; 2797.0; 28-JUN-2011 17:01:47; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48776
 8; 3339.4; 28-JUN-2011 17:10:49; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48776
 9; 3775.3; 28-JUN-2011 17:18:05; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;48776
 10; 3874.9; 28-JUN-2011 17:19:45; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48776
 11; 4043.1; 28-JUN-2011 17:22:33; Bright; 41.0; 160; 23Gam Per ; 2.93; 4700;occ; 82; 0;48776
 12; 4245.7; 28-JUN-2011 17:25:56; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48776
 13; 4400.0; 28-JUN-2011 17:28:30; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48776
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 15; 4944.8; 28-JUN-2011 17:37:35; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48776
 16; 5464.1; 28-JUN-2011 17:46:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48776
 17; 6083.7; 28-JUN-2011 17:56:34; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48777
 18; 6472.5; 28-JUN-2011 18:03:02; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48777
 19; 6589.9; 28-JUN-2011 18:05:00; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48777
 20; 6741.2; 28-JUN-2011 18:07:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48777

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 4; 1970.3; 28-JUN-2011 18:28:14; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48777
 5; 2110.0; 28-JUN-2011 18:30:34; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48777
 6; 2646.8; 28-JUN-2011 18:39:31; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48777
 7; 2796.6; 28-JUN-2011 18:42:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48777
 8; 3338.8; 28-JUN-2011 18:51:03; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48777
 9; 3774.8; 28-JUN-2011 18:58:19; Bright; 53.5; 74; 11Bet Cas ; 2.27; 6600;occ; 107; 0;48777
 10; 3874.3; 28-JUN-2011 18:59:58; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48777
 11; 4042.8; 28-JUN-2011 19:02:47; Bright; 37.0; 160; 23Gam Per ; 2.93; 4700;occ; 74; 0;48777
 12; 4245.4; 28-JUN-2011 19:06:09; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;48777
 13; 4400.1; 28-JUN-2011 19:08:44; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48777
 14; 4648.4; 28-JUN-2011 19:12:52; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48777
 15; 4945.0; 28-JUN-2011 19:17:49; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48777
 16; 5464.9; 28-JUN-2011 19:26:29; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48777
 17; 6084.6; 28-JUN-2011 19:36:49; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;48778
 18; 6473.3; 28-JUN-2011 19:43:17; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48778
 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778
 20; 6741.5; 28-JUN-2011 19:47:46; Dark ; 47.5; 45; Alp Pav ; 1.94; 26000;occ; 95; 0;48778

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 6; 1259.5; 29-JUN-2011 00:57:19; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48781
 7; 1341.6; 29-JUN-2011 00:58:41; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;48781
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 9; 1970.1; 29-JUN-2011 01:09:10; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48781
 10; 2109.6; 29-JUN-2011 01:11:30; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48781
 11; 2226.9; 29-JUN-2011 01:13:27; Bright; 33.0; 168; 17Zet Aql ; 2.99; 11000;occ; 66; 0;48781
 12; 2644.5; 29-JUN-2011 01:20:24; Bright; 62.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 124; 0;48781
 13; 2795.9; 29-JUN-2011 01:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48781
 14; 3336.0; 29-JUN-2011 01:31:56; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48781
 15; 3772.7; 29-JUN-2011 01:39:13; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48781


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17; 4042.7; 29-JUN-2011 01:43:43; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48781
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19; 4400.2; 29-JUN-2011 01:49:40; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48781
20; 4649.8; 29-JUN-2011 01:53:50; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48781
21; 4946.8; 29-JUN-2011 01:58:47; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48781
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 3; 463.1; 29-JUN-2011 02:24:17; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48782
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 5; 729.6; 29-JUN-2011 02:28:43; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48782
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 8; 1969.9; 29-JUN-2011 02:49:24; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48782
 9; 2109.6; 29-JUN-2011 02:51:43; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48782
10; 2226.4; 29-JUN-2011 02:53:40; Bright; 39.0; 168; 17Zet Aql ; 2.99; 11000;occ; 78; 0;48782
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12; 2795.8; 29-JUN-2011 03:03:10; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;48782
13; 3335.3; 29-JUN-2011 03:12:09; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;48782
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 3;-1971.4; 29-JUN-2011 03:23:56; Bright; 43.5; 160; 23Gam Per ; 2.93; 4700;occ; 87; 0;48782
 4;-1769.0; 29-JUN-2011 03:27:19; Bright; 55.5; 73; 57Gam1And ; 2.26; 13100;occ; 111; 0;48782
 5;-1613.4; 29-JUN-2011 03:29:54; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48782
 6;-1363.7; 29-JUN-2011 03:34:04; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48782
 7;-1066.8; 29-JUN-2011 03:39:01; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48782
 8; -544.9; 29-JUN-2011 03:47:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48782
 9; 75.8; 29-JUN-2011 03:58:04; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48783
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12; 730.4; 29-JUN-2011 04:08:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48783
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13; 1300.7; 29-JUN-2011 05:58:43; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;48784
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 3; 1969.9; 29-JUN-2011 21:11:58; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48793
 4; 2109.3; 29-JUN-2011 21:14:17; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48793
 5; 2220.3; 29-JUN-2011 21:16:08; Bright; 50.0; 168; 17Zet Aql ; 2.99; 11000;occ; 100; 0;48793

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11; 3867.6; 29-JUN-2011 21:43:35; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48793
12; 4042.1; 29-JUN-2011 21:46:30; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48793
13; 4244.4; 29-JUN-2011 21:49:52; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48793
14; 4401.2; 29-JUN-2011 21:52:29; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48793
15; 4653.6; 29-JUN-2011 21:56:42; Dark ; 58.5; 50; 13Alp Ari ; 2.01; 4250;occ; 117; 0;48793
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3; 474.8; 29-JUN-2011 22:27:17; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48794
4; 591.2; 29-JUN-2011 22:29:13; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48794
5; 735.7; 29-JUN-2011 22:31:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48794
6; 1303.8; 29-JUN-2011 22:41:06; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48794
7; 1469.3; 29-JUN-2011 22:43:51; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48794
8; 1969.7; 29-JUN-2011 22:52:11; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48794
9; 2109.3; 29-JUN-2011 22:54:31; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48794
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13; 1301.2; 29-JUN-2011 07:38:57; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48785
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3; 2224.6; 29-JUN-2011 07:54:20; Bright; 46.0; 168; 17Zet Aql ; 2.99; 11000;occ; 92; 0;48785
4; 2642.8; 29-JUN-2011 08:01:19; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48785
5; 2795.4; 29-JUN-2011 08:03:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48785
6; 3333.5; 29-JUN-2011 08:12:49; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48785
7; 3770.6; 29-JUN-2011 08:20:07; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48785
8; 3871.0; 29-JUN-2011 08:21:47; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;48785
9; 4042.5; 29-JUN-2011 08:24:38; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48785
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13; 4948.5; 29-JUN-2011 08:39:44; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48785
14; 5471.6; 29-JUN-2011 08:48:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48785
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19; 7315.7; 29-JUN-2011 09:19:12; Dark ; 47.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 95; 0;48786
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 5; 2795.4; 29-JUN-2011 09:44:05; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48786
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 12; 4948.9; 29-JUN-2011 10:19:59; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48786
 13; 5472.4; 29-JUN-2011 10:28:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48786
 14; 6093.9; 29-JUN-2011 10:39:04; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;48787
 15; 6482.1; 29-JUN-2011 10:45:32; Dark ; 69.0; 63; Bet Gru ; 2.15; 2800;occ; 138; 0;48787
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 18; 7315.9; 29-JUN-2011 10:59:26; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48787
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 3; 2223.6; 29-JUN-2011 11:14:47; Bright; 51.0; 168; 17Zet Aql ; 2.99; 11000;occ; 102; 0;48787
 4; 2641.7; 29-JUN-2011 11:21:46; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48787
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 3; 2223.3; 29-JUN-2011 12:55:01; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;48788
 4; 2641.3; 29-JUN-2011 13:01:59; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48788
 5; 2795.1; 29-JUN-2011 13:04:33; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48788
 6; 2914.0; 29-JUN-2011 13:06:32; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48788
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3; 2217.4; 30-JUN-2011 07:17:29; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;48799
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9; 3856.2; 30-JUN-2011 07:44:48; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;48799
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 3; 2216.8; 30-JUN-2011 08:57:43; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;48800
 4; 2635.4; 30-JUN-2011 09:04:41; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48800
 5; 2793.2; 30-JUN-2011 09:07:19; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48800
 6; 2903.7; 30-JUN-2011 09:09:09; Bright; 61.0; 144; 18Del Cyg ; 2.86; 11000;occ; 122; 0;48800
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 9; 3856.0; 30-JUN-2011 09:25:02; Bright; 40.5; 110; 37Del Cas ; 2.68; 8900;occ; 81; 0;48800
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 11; 4145.2; 30-JUN-2011 09:29:51; Bright; 37.0; 175; 39Del Per ; 3.01; 19400;occ; 74; 0;48800
 12; 4244.1; 30-JUN-2011 09:31:30; Bright; 57.5; 73; 57Gam1And ; 2.26; 13100;occ; 115; 0;48800
 13; 4401.8; 30-JUN-2011 09:34:08; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48800
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 5; 2792.8; 30-JUN-2011 12:27:46; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48802
 6; 2901.9; 30-JUN-2011 12:29:36; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;48802
 7; 3322.2; 30-JUN-2011 12:36:36; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48802
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 9; 3855.4; 30-JUN-2011 12:45:29; Bright; 63.0; 110; 37Del Cas ; 2.68; 8900;occ; 126; 0;48802
 10; 4041.8; 30-JUN-2011 12:48:35; Bright; 39.0; 160; 23Gam Per ; 2.93; 4700;occ; 78; 0;48802

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 4; 2109.0; 30-JUN-2011 18:57:19; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48806
 5; 2213.5; 30-JUN-2011 18:59:03; Bright; 71.0; 168; 17Zet Aql ; 2.99; 11000;occ; 142; 0;48806
 6; 2632.5; 30-JUN-2011 19:06:02; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48806
 7; 2792.3; 30-JUN-2011 19:08:42; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48806
 8; 2898.5; 30-JUN-2011 19:10:28; Bright; 49.5; 144; 18Del Cyg ; 2.86; 11000;occ; 99; 0;48806
 9; 3319.6; 30-JUN-2011 19:17:29; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48806
 10; 3760.0; 30-JUN-2011 19:24:50; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48806
 11; 3854.2; 30-JUN-2011 19:26:24; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;48806
 12; 4041.6; 30-JUN-2011 19:29:31; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48806
 13; 4145.5; 30-JUN-2011 19:31:15; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48806
 14; 4243.7; 30-JUN-2011 19:32:53; Bright; 50.5; 73; 57Gam1And ; 2.26; 13100;occ; 101; 0;48806
 15; 4402.2; 30-JUN-2011 19:35:32; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48806
 16; 4658.1; 30-JUN-2011 19:39:48; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;48806
 17; 4957.2; 30-JUN-2011 19:44:47; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48806
 18; 5489.9; 30-JUN-2011 19:53:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48806
 19; 6114.3; 30-JUN-2011 20:04:04; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48807
 20; 6501.4; 30-JUN-2011 20:10:31; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48807
 21; 6616.9; 30-JUN-2011 20:12:26; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48807
 22; 6756.1; 30-JUN-2011 20:14:46; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48807