

GOMOS Daily Report 10-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	14JUN2011 09:42:43
Data source version	GOMOS/6.01
Start time of products	10JUN2011 00:03:13
Stop time of products	10JUN2011 23:59:27
Store outputs in DB	Yes
Nb of level 1b prods	263
Nb of prods with errors	1

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

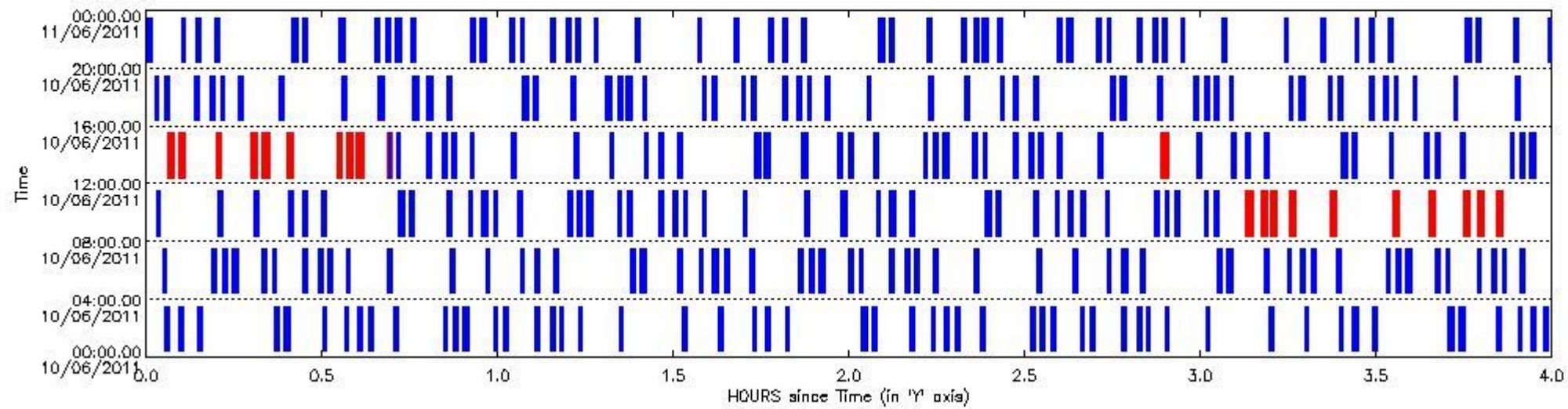
2.1 Level 0 products arrived in PCF (see template [here](#))

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
10-JUN-2011 11:07:46	60BetOph	126	48514
10-JUN-2011 11:10:22	55AlpOph	59	48514
10-JUN-2011 11:12:04	27BetHer	127	48514
10-JUN-2011 11:15:12	40ZetHer	133	48514
10-JUN-2011 11:22:13	23BetDra	130	48514
10-JUN-2011 11:32:50	5AlpCep	89	48514
10-JUN-2011 11:39:02	27GamCas	76	48514
10-JUN-2011 11:44:58	57Gam1And	73	48514
10-JUN-2011 11:47:17	43BetAnd	53	48514
10-JUN-2011 11:50:36	13AlpAri	50	48514
10-JUN-2011 12:03:40	DSA1068	0	48514
10-JUN-2011 12:05:26	16BetCet	52	48514
10-JUN-2011 12:11:52	AlpPhe	84	48514
10-JUN-2011 12:17:49	BetGru	63	48515
10-JUN-2011 12:19:50	AlpGru	31	48515

10-JUN-2011 12:24:04	AlpPav	45	48515
10-JUN-2011 12:32:31	TheSco	40	48515
10-JUN-2011 12:34:15	35LamSco	25	48515
10-JUN-2011 12:35:53	34SigSgr	57	48515
10-JUN-2011 12:41:02	35EtaOph	86	48515
10-JUN-2011 14:53:17	5AlpCep	89	48516

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_1PNPDE20110610_000313_000000373103_00217_48507_4395.N1	10-JUN-2011 00:03:13	Bright	36.500	73	57Gam1And	2.2600	13100.	73	48507	No
2	GOM_TRA_1PNPDE20110610_000531_000000533103_00217_48507_4396.N1	10-JUN-2011 00:05:31	Bright	52.500	53	43Bet And	2.0480	3300.0	105	48507	No
3	GOM_TRA_1PNPDE20110610_000850_000000503103_00217_48507_4397.N1	10-JUN-2011 00:08:50	Twilight	49.500	50	13Alp Ari	2.0070	4250.0	99	48507	No
4	GOM_TRA_1PNPDE20110610_002335_000000533103_00217_48507_4406.N1	10-JUN-2011 00:23:35	Dark	53.000	52	16Bet Cet	2.0370	4500.0	106	48507	No
5	GOM_TRA_1PNPDE20110610_003002_000000433103_00217_48507_4407.N1	10-JUN-2011 00:30:02	Dark	43.000	84	Alp Phe	2.3970	4500.0	86	48507	No
6	GOM_TRA_1PNPDE20110610_003347_000000373103_00218_48508_4408.N1	10-JUN-2011 00:33:47	Dark	37.000	18	24Alp PsA	1.1660	9700.0	74	48508	No
7	GOM_TRA_1PNPDE20110610_003558_000000603103_00218_48508_4409.N1	10-JUN-2011 00:35:58	Dark	60.000	63	Bet Gru	2.1500	2800.0	120	48508	No
8	GOM_TRA_1PNPDE20110610_003758_000000483103_00218_48508_4410.N1	10-JUN-2011 00:37:58	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48508	No
9	GOM_TRA_1PNPDE20110610_004215_000000423103_00218_48508_4411.N1	10-JUN-2011 00:42:15	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48508	No
10	GOM_TRA_1PNPDE20110610_005044_000000443103_00218_48508_4412.N1	10-JUN-2011 00:50:44	Straylight	43.500	40	The Sco	1.8590	7100.0	87	48508	No
11	GOM_TRA_1PNPDE20110610_005228_000000473103_00218_48508_4413.N1	10-JUN-2011 00:52:28	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	48508	No
12	GOM_TRA_1PNPDE20110610_005405_000000603103_00218_48508_4414.N1	10-JUN-2011 00:54:05	Bright	60.000	57	34Sig Sgr	2.0660	26000.	120	48508	No
13	GOM_TRA_1PNPDE20110610_005916_000000413103_00218_48508_4415.N1	10-JUN-2011 00:59:16	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	48508	No
14	GOM_TRA_1PNPDE20110610_010101_000000393103_00218_48508_4416.N1	10-JUN-2011 01:01:01	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	48508	No
15	GOM_TRA_1PNPDE20110610_010617_000000493103_00218_48508_4417.N1	10-JUN-2011 01:06:17	Bright	49.000	126	60Bet Oph	2.7700	4250.0	98	48508	No
16	GOM_TRA_1PNPDE20110610_010853_000000483103_00218_48508_4418.N1	10-JUN-2011 01:08:53	Bright	47.500	59	55Alp Oph	2.0800	8900.0	95	48508	No
17	GOM_TRA_1PNPDE20110610_011034_000000393103_00218_48508_4419.N1	10-JUN-2011 01:10:34	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	48508	No
18	GOM_TRA_1PNPDE20110610_011343_000000413103_00218_48508_4420.N1	10-JUN-2011 01:13:43	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	48508	No
19	GOM_TRA_1PNPDE20110610_012044_000000403103_00218_48508_4421.N1	10-JUN-2011 01:20:44	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48508	No
20	GOM_TRA_1PNPDE20110610_013123_000000503103_00218_48508_4422.N1	10-JUN-2011 01:31:23	Bright	49.500	89	5Alp Cep	2.4510	8000.0	99	48508	No
21	GOM_TRA_1PNPDE20110610_013732_000000583103_00218_48508_4423.N1	10-JUN-2011 01:37:32	Bright	58.000	76	27Gam Cas	2.3000	30000.	116	48508	No
22	GOM_TRA_1PNPDE20110610_014327_000000363103_00218_48508_4424.N1	10-JUN-2011 01:43:27	Bright	35.500	73	57Gam1And	2.2600	13100.	71	48508	No
23	GOM_TRA_1PNPDE20110610_014545_000000523103_00218_48508_4425.N1	10-JUN-2011 01:45:45	Bright	51.500	53	43Bet And	2.0480	3300.0	103	48508	No
24	GOM_TRA_1PNPDE20110610_014904_000000463103_00218_48508_4426.N1	10-JUN-2011 01:49:04	Twilight	45.500	50	13Alp Ari	2.0070	4250.0	91	48508	No
25	GOM_TRA_1PNPDE20110610_020350_000000473103_00218_48508_4426.N1	10-JUN-2011 02:03:50	Dark	46.500	52	16Bet Cet	2.0370	4500.0	93	48508	No
26	GOM_TRA_1PNPDE20110610_021016_000000463103_00218_48508_4427.N1	10-JUN-2011 02:10:16	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48508	No
27	GOM_TRA_1PNPDE20110610_021402_000000343103_00219_48509_4428.N1	10-JUN-2011 02:14:02	Dark	34.000	18	24Alp PsA	1.1660	9700.0	68	48509	No
28	GOM_TRA_1PNPDE20110610_021613_000000483103_00219_48509_4429.N1	10-JUN-2011 02:16:13	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	48509	No
29	GOM_TRA_1PNPDE20110610_021813_000000473103_00219_48509_4430.N1	10-JUN-2011 02:18:13	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48509	No
30	GOM_TRA_1PNPDE20110610_022229_000000443103_00219_48509_4431.N1	10-JUN-2011 02:22:29	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48509	No
31	GOM_TRA_1PNPDE20110610_023058_000000443103_00219_48509_4432.N1	10-JUN-2011 02:30:58	Straylight	43.500	40	The Sco	1.8590	7100.0	87	48509	No
32	GOM_TRA_1PNPDE20110610_023242_000000433103_00219_48509_4433.N1	10-JUN-2011 02:32:42	Twilight	43.000	25	35Lam Sco	1.6200	28000.	86	48509	No
33	GOM_TRA_1PNPDE20110610_023420_000000613103_00219_48509_4434.N1	10-JUN-2011 02:34:20	Bright	60.500	57	34Sig Sgr	2.0660	26000.	121	48509	No
34	GOM_TRA_1PNPDE20110610_023930_000000423103_00219_48509_4435.N1	10-JUN-2011 02:39:30	Bright	42.000	86	35Eta Oph	2.4300	10200.	84	48509	No
35	GOM_TRA_1PNPDE20110610_024115_000000393103_00219_48509_4436.N1	10-JUN-2011 02:41:15	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	48509	No
36	GOM_TRA_1PNPDE20110610_024630_000000493103_00219_48509_4437.N1	10-JUN-2011 02:46:30	Bright	48.500	126	60Bet Oph	2.7700	4250.0	97	48509	No
37	GOM_TRA_1PNPDE20110610_024907_000000483103_00219_48509_4438.N1	10-JUN-2011 02:49:07	Bright	48.000	59	55Alp Oph	2.0800	8900.0	96	48509	No
38	GOM_TRA_1PNPDE20110610_025048_000000393103_00219_48509_4439.N1	10-JUN-2011 02:50:48	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	48509	No
39	GOM_TRA_1PNPDE20110610_025356_000000413103_00219_48509_4440.N1	10-JUN-2011 02:53:56	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	48509	No
40	GOM_TRA_1PNPDE20110610_030058_000000393103_00219_48509_4441.N1	10-JUN-2011 03:00:58	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48509	No
41	GOM_TRA_1PNPDE20110610_031136_000000483103_00219_48509_4442.N1	10-JUN-2011 03:11:36	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48509	No
42	GOM_TRA_1PNPDE20110610_031746_000000403103_00219_48509_4454.N1	10-JUN-2011 03:17:46	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	48509	No
43	GOM_TRA_1PNPDE20110610_032341_000000393103_00219_48509_4455.N1	10-JUN-2011 03:23:41	Bright	39.000	73	57Gam1And	2.2600	13100.	78	48509	No
44	GOM_TRA_1PNPDE20110610_032559_000000593103_00219_48509_4456.N1	10-JUN-2011 03:25:59	Bright	58.500	53	43Bet And	2.0480	3300.0	117	48509	No
45	GOM_TRA_1PNPDE20110610_032918_000000463103_00219_48509_4457.N1	10-JUN-2011 03:29:18	Twilight	46.000	50	13Alp Ari	2.0070	4250.0	92	48509	No
46	GOM_TRA_1PNPDE20110610_034404_000000603103_00219_48509_4458.N1	10-JUN-2011 03:44:04	Dark	60.000	52	16Bet Cet	2.0370	4500.0	120	48509	No
47	GOM_TRA_1PNPDE20110610_035031_000000473103_00219_48509_4459.N1	10-JUN-2011 03:50:31	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48509	No
48	GOM_TRA_1PNPDE20110610_035418_000000343103_00220_48510_4460.N1	10-JUN-2011 03:54:18	Dark	34.000	18	24Alp PsA	1.1660	9700.0	68	48510	No

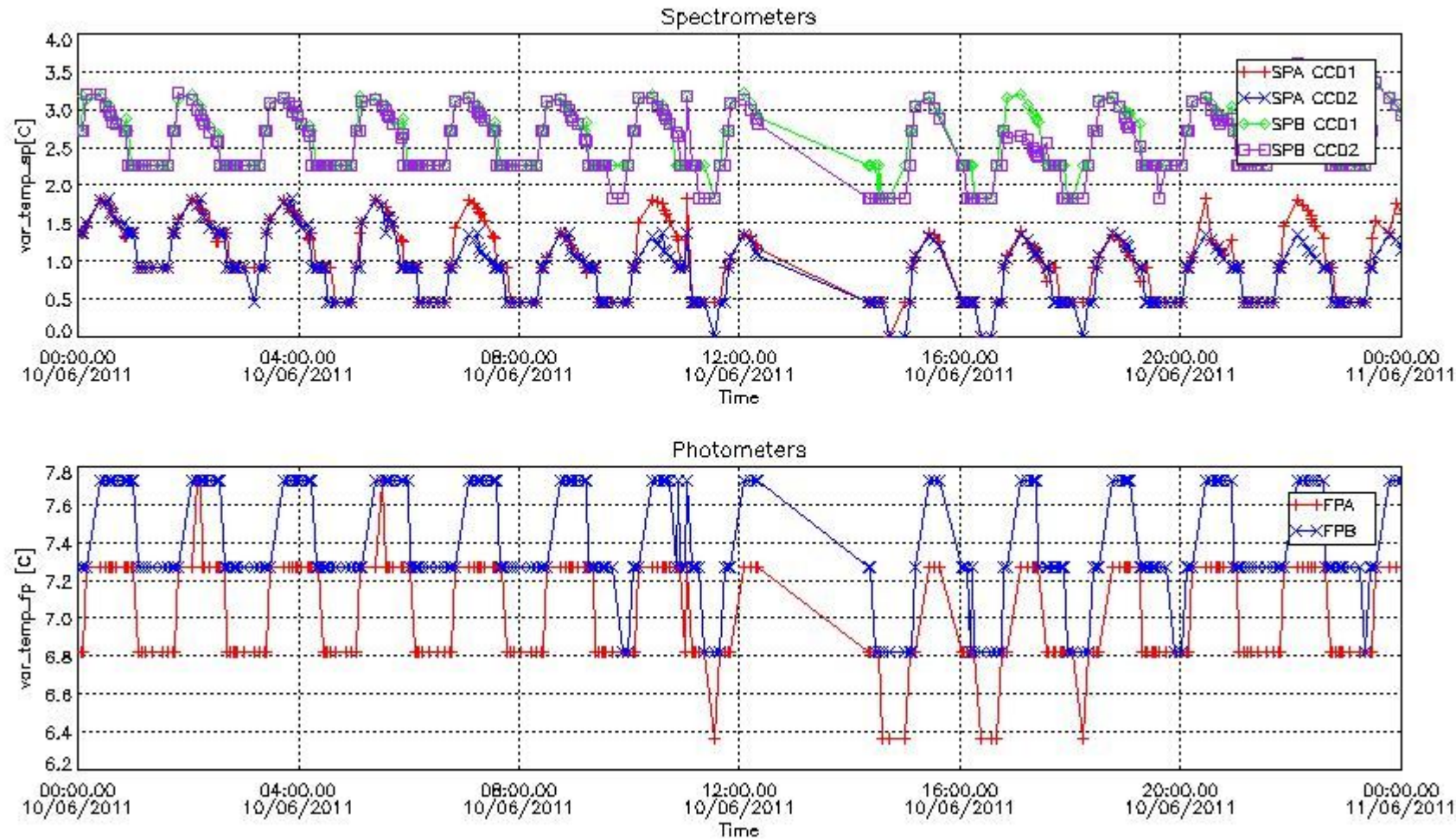
49	GOM_TRA_1PNPDE20110610_035628_000000473103_00220_48510_4461.N1	10-JUN-2011 03:56:28	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	48510	No
50	GOM_TRA_1PNPDE20110610_035828_000000473103_00220_48510_4462.N1	10-JUN-2011 03:58:28	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48510	No
51	GOM_TRA_1PNPDE20110610_040244_000000443103_00220_48510_4463.N1	10-JUN-2011 04:02:44	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48510	No
52	GOM_TRA_1PNPDE20110610_041112_000000413103_00220_48510_4464.N1	10-JUN-2011 04:11:12	Straylight	40.500	40	The Sco	1.8590	7100.0	81	48510	No
53	GOM_TRA_1PNPDE20110610_041257_000000463103_00220_48510_4465.N1	10-JUN-2011 04:12:57	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	48510	No
54	GOM_TRA_1PNPDE20110610_041434_000000743103_00220_48510_4466.N1	10-JUN-2011 04:14:34	Bright	74.000	57	34Sig Sgr	2.0660	26000.	148	48510	No
55	GOM_TRA_1PNPDE20110610_041944_000000423103_00220_48510_4467.N1	10-JUN-2011 04:19:44	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	48510	No
56	GOM_TRA_1PNPDE20110610_042130_000000383103_00220_48510_4468.N1	10-JUN-2011 04:21:30	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	48510	No
57	GOM_TRA_1PNPDE20110610_042644_000000493103_00220_48510_4469.N1	10-JUN-2011 04:26:44	Bright	48.500	126	60Bet Oph	2.7700	4250.0	97	48510	No
58	GOM_TRA_1PNPDE20110610_042920_000000483103_00220_48510_4470.N1	10-JUN-2011 04:29:20	Bright	48.000	59	55Alp Oph	2.0800	8900.0	96	48510	No
59	GOM_TRA_1PNPDE20110610_043102_000000403103_00220_48510_4471.N1	10-JUN-2011 04:31:02	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48510	No
60	GOM_TRA_1PNPDE20110610_043410_000000393103_00220_48510_4472.N1	10-JUN-2011 04:34:10	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	48510	No
61	GOM_TRA_1PNPDE20110610_044112_000000433103_00220_48510_4473.N1	10-JUN-2011 04:41:12	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48510	No
62	GOM_TRA_1PNPDE20110610_045150_000000483103_00220_48510_4474.N1	10-JUN-2011 04:51:50	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48510	No
63	GOM_TRA_1PNPDE20110610_045800_000000373103_00220_48510_4477.N1	10-JUN-2011 04:58:00	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	48510	No
64	GOM_TRA_1PNPDE20110610_050355_000000363103_00220_48510_4478.N1	10-JUN-2011 05:03:55	Bright	36.000	73	57Gam1And	2.2600	13100.	72	48510	No
65	GOM_TRA_1PNPDE20110610_050613_000000523103_00220_48510_4479.N1	10-JUN-2011 05:06:13	Bright	52.000	53	43Bet And	2.0480	3300.0	104	48510	No
66	GOM_TRA_1PNPDE20110610_050933_000000443103_00220_48510_4480.N1	10-JUN-2011 05:09:33	Twilight	44.000	50	13Alp Ari	2.0070	4250.0	88	48510	No
67	GOM_TRA_1PNPDE20110610_052419_000000583103_00220_48510_4481.N1	10-JUN-2011 05:24:19	Dark	58.000	52	16Bet Cet	2.0370	4500.0	116	48510	No
68	GOM_TRA_1PNPDE20110610_053046_000000473103_00220_48510_4482.N1	10-JUN-2011 05:30:46	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	48510	No
69	GOM_TRA_1PNPDE20110610_053434_000000303103_00221_48511_4483.N1	10-JUN-2011 05:34:34	Dark	30.000	18	24Alp PsA	1.1660	9700.0	60	48511	No
70	GOM_TRA_1PNPDE20110610_053643_000000633103_00221_48511_4484.N1	10-JUN-2011 05:36:43	Dark	62.500	63	Bet Gru	2.1500	2800.0	125	48511	No
71	GOM_TRA_1PNPDE20110610_053843_000000503103_00221_48511_4485.N1	10-JUN-2011 05:38:43	Dark	49.500	31	Alp Gru	1.7340	15200.	99	48511	No
72	GOM_TRA_1PNPDE20110610_054259_000000443103_00221_48511_4486.N1	10-JUN-2011 05:42:59	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	48511	No
73	GOM_TRA_1PNPDE20110610_055127_000000463103_00221_48511_4487.N1	10-JUN-2011 05:51:27	Straylight	45.500	40	The Sco	1.8590	7100.0	91	48511	No
74	GOM_TRA_1PNPDE20110610_055311_000000443103_00221_48511_4488.N1	10-JUN-2011 05:53:11	Tw_i_and_stray	44.000	25	35Lam Sco	1.6200	28000.	88	48511	No
75	GOM_TRA_1PNPDE20110610_055449_000000603103_00221_48511_4489.N1	10-JUN-2011 05:54:49	Bright	60.000	57	34Sig Sgr	2.0660	26000.	120	48511	No
76	GOM_TRA_1PNPDE20110610_055959_000000413103_00221_48511_4490.N1	10-JUN-2011 05:59:59	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48511	No
77	GOM_TRA_1PNPDE20110610_060144_000000383103_00221_48511_4491.N1	10-JUN-2011 06:01:44	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	48511	No
78	GOM_TRA_1PNPDE20110610_060658_000000493103_00221_48511_4492.N1	10-JUN-2011 06:06:58	Bright	48.500	126	60Bet Oph	2.7700	4250.0	97	48511	No
79	GOM_TRA_1PNPDE20110610_060934_000000483103_00221_48511_4493.N1	10-JUN-2011 06:09:34	Bright	48.000	59	55Alp Oph	2.0800	8900.0	96	48511	No
80	GOM_TRA_1PNPDE20110610_061116_000000393103_00221_48511_4494.N1	10-JUN-2011 06:11:16	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48511	No
81	GOM_TRA_1PNPDE20110610_061424_000000403103_00221_48511_4495.N1	10-JUN-2011 06:14:24	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	48511	No
82	GOM_TRA_1PNPDE20110610_062125_000000433103_00221_48511_4496.N1	10-JUN-2011 06:21:25	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	48511	No
83	GOM_TRA_1PNPDE20110610_063203_000000493103_00221_48511_4497.N1	10-JUN-2011 06:32:03	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48511	No
84	GOM_TRA_1PNPDK20110610_063814_000000473103_00221_48511_2232.N1	10-JUN-2011 06:38:14	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	48511	No
85	GOM_TRA_1PNPDK20110610_064409_000000373103_00221_48511_2233.N1	10-JUN-2011 06:44:09	Bright	36.500	73	57Gam1And	2.2600	13100.	73	48511	No
86	GOM_TRA_1PNPDK20110610_064628_000000633103_00221_48511_2234.N1	10-JUN-2011 06:46:28	Bright	63.000	53	43Bet And	2.0480	3300.0	126	48511	No
87	GOM_TRA_1PNPDK20110610_064947_000000483103_00221_48511_2235.N1	10-JUN-2011 06:49:47	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48511	No
88	GOM_TRA_1PNPDK20110610_070434_000000573103_00221_48511_2236.N1	10-JUN-2011 07:04:34	Dark	57.000	52	16Bet Cet	2.0370	4500.0	114	48511	No
89	GOM_TRA_1PNPDK20110610_071101_000000473103_00221_48511_2237.N1	10-JUN-2011 07:11:01	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48511	No
90	GOM_TRA_1PNPDK20110610_071449_000000303103_00222_48512_2238.N1	10-JUN-2011 07:14:49	Dark	30.000	18	24Alp PsA	1.1660	9700.0	60	48512	No
91	GOM_TRA_1PNPDK20110610_071658_000000603103_00222_48512_2239.N1	10-JUN-2011 07:16:58	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	48512	No
92	GOM_TRA_1PNPDK20110610_071858_000000483103_00222_48512_2240.N1	10-JUN-2011 07:18:58	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48512	No
93	GOM_TRA_1PNPDK20110610_072314_000000423103_00222_48512_2241.N1	10-JUN-2011 07:23:14	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48512	No
94	GOM_TRA_1PNPDK20110610_073141_000000453103_00222_48512_2242.N1	10-JUN-2011 07:31:41	Straylight	44.500	40	The Sco	1.8590	7100.0	89	48512	No
95	GOM_TRA_1PNPDK20110610_073326_000000453103_00222_48512_2243.N1	10-JUN-2011 07:33:26	Tw_i_and_stray	45.000	25	35Lam Sco	1.6200	28000.	90	48512	No
96	GOM_TRA_1PNPDK20110610_073503_000000593103_00222_48512_2244.N1	10-JUN-2011 07:35:03	Bright	58.500	57	34Sig Sgr	2.0660	26000.	117	48512	No
97	GOM_TRA_1PNPDK20110610_074012_000000423103_00222_48512_2245.N1	10-JUN-2011 07:40:12	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	48512	No
98	GOM_TRA_1PNPDK20110610_074158_000000373103_00222_48512_2285.N1	10-JUN-2011 07:41:58	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	48512	No
99	GOM_TRA_1PNPDK20110610_074711_000000473103_00222_48512_2286.N1	10-JUN-2011 07:47:11	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	48512	No
100	GOM_TRA_1PNPDK20110610_074948_000000483103_00222_48512_2287.N1	10-JUN-2011 07:49:48	Bright	47.500	59	55Alp Oph	2.0800	8900.0	95	48512	No
101	GOM_TRA_1PNPDK20110610_075129_000000403103_00222_48512_2288.N1	10-JUN-2011 07:51:29	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	48512	No
102	GOM_TRA_1PNPDK20110610_075438_000000413103_00222_48512_2289.N1	10-JUN-2011 07:54:38	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	48512	No
103	GOM_TRA_1PNPDK20110610_080138_000000433103_00222_48512_2290.N1	10-JUN-2011 08:01:38	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48512	No
104	GOM_TRA_1PNPDK20110610_081216_000000483103_00222_48512_2291.N1	10-JUN-2011 08:12:16	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48512	No
105	GOM_TRA_1PNPDK20110610_081827_000000423103_00222_48512_2292.N1	10-JUN-2011 08:18:27	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	48512	No
106	GOM_TRA_1PNPDK20110610_082423_000000393103_00222_48512_2293.N1	10-JUN-2011 08:24:23	Bright	38.500	73	57Gam1And	2.2600	13100.	77	48512	No
107	GOM_TRA_1PNPDK20110610_082642_000000523103_00222_48512_2294.N1	10-JUN-2011 08:26:42	Bright	51.500	53	43Bet And	2.0480	3300.0	103	48512	No

108	GOM_TRA_1PNPDK20110610_083001_000000483103_00222_48512_2295.N1	10-JUN-2011 08:30:01	Twilight	47.500	50	13Alp Ari	2.0070	4250.0	95	48512	No
109	GOM_TRA_1PNPDK20110610_084449_000000523103_00222_48512_2296.N1	10-JUN-2011 08:44:49	Dark	52.000	52	16Bet Cet	2.0370	4500.0	104	48512	No
110	GOM_TRA_1PNPDK20110610_085115_000000473103_00222_48512_2297.N1	10-JUN-2011 08:51:15	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48512	No
111	GOM_TRA_1PNPDK20110610_085505_000000263103_00223_48513_2298.N1	10-JUN-2011 08:55:05	Dark	26.000	18	24Alp PsA	1.1660	9700.0	52	48513	No
112	GOM_TRA_1PNPDK20110610_085712_000000623103_00223_48513_2299.N1	10-JUN-2011 08:57:12	Dark	62.000	63	Bet Gru	2.1500	2800.0	124	48513	No
113	GOM_TRA_1PNPDK20110610_085913_000000473103_00223_48513_2300.N1	10-JUN-2011 08:59:13	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48513	No
114	GOM_TRA_1PNPDK20110610_090328_000000433103_00223_48513_2301.N1	10-JUN-2011 09:03:28	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48513	No
115	GOM_TRA_1PNPDK20110610_091156_000000433103_00223_48513_2302.N1	10-JUN-2011 09:11:56	Straylight	42.500	40	The Sco	1.8590	7100.0	85	48513	No
116	GOM_TRA_1PNPDK20110610_091340_000000453103_00223_48513_2303.N1	10-JUN-2011 09:13:40	Tw_i_and_stray	45.000	25	35Lam Sco	1.6200	28000.	90	48513	No
117	GOM_TRA_1PNPDK20110610_091518_000000593103_00223_48513_2304.N1	10-JUN-2011 09:15:18	Bright	59.000	57	34Sig Sgr	2.0660	26000.	118	48513	No
118	GOM_TRA_1PNPDK20110610_092027_000000413103_00223_48513_2305.N1	10-JUN-2011 09:20:27	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48513	No
119	GOM_TRA_1PNPDK20110610_092212_000000393103_00223_48513_2306.N1	10-JUN-2011 09:22:12	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	48513	No
120	GOM_TRA_1PNPDK20110610_092725_000000473103_00223_48513_2321.N1	10-JUN-2011 09:27:25	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48513	No
121	GOM_TRA_1PNPDK20110610_093001_000000473103_00223_48513_2322.N1	10-JUN-2011 09:30:01	Bright	47.000	59	55Alp Oph	2.0800	8900.0	94	48513	No
122	GOM_TRA_1PNPDK20110610_093143_000000383103_00223_48513_2323.N1	10-JUN-2011 09:31:43	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	48513	No
123	GOM_TRA_1PNPDK20110610_093451_000000413103_00223_48513_2324.N1	10-JUN-2011 09:34:51	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	48513	No
124	GOM_TRA_1PNPDK20110610_094152_000000433103_00223_48513_2325.N1	10-JUN-2011 09:41:52	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48513	No
125	GOM_TRA_1PNPDK20110610_095230_000000463103_00223_48513_2326.N1	10-JUN-2011 09:52:30	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48513	No
126	GOM_TRA_1PNPDK20110610_095841_000000583103_00223_48513_2327.N1	10-JUN-2011 09:58:41	Bright	58.000	76	27Gam Cas	2.3000	30000.	116	48513	No
127	GOM_TRA_1PNPDK20110610_100437_000000363103_00223_48513_2328.N1	10-JUN-2011 10:04:37	Bright	36.000	73	57Gam1And	2.2600	13100.	72	48513	No
128	GOM_TRA_1PNPDK20110610_100656_000000553103_00223_48513_2329.N1	10-JUN-2011 10:06:56	Bright	55.000	53	43Bet And	2.0480	3300.0	110	48513	No
129	GOM_TRA_1PNPDK20110610_101015_000000503103_00223_48513_2330.N1	10-JUN-2011 10:10:15	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	48513	No
130	GOM_TRA_1PNPDK20110610_102504_000000553103_00223_48513_2331.N1	10-JUN-2011 10:25:04	Dark	54.500	52	16Bet Cet	2.0370	4500.0	109	48513	No
131	GOM_TRA_1PNPDK20110610_103130_000000423103_00223_48513_2332.N1	10-JUN-2011 10:31:30	Dark	42.000	84	Alp Phe	2.3970	4500.0	84	48513	No
132	GOM_TRA_1PNPDK20110610_103520_000000263103_00224_48514_2333.N1	10-JUN-2011 10:35:20	Dark	26.000	18	24Alp PsA	1.1660	9700.0	52	48514	No
133	GOM_TRA_1PNPDK20110610_103727_000000503103_00224_48514_2334.N1	10-JUN-2011 10:37:27	Dark	50.000	63	Bet Gru	2.1500	2800.0	100	48514	No
134	GOM_TRA_1PNPDK20110610_103928_000000493103_00224_48514_2335.N1	10-JUN-2011 10:39:28	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48514	No
135	GOM_TRA_1PNPDK20110610_104343_000000443103_00224_48514_2336.N1	10-JUN-2011 10:43:43	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48514	No
136	GOM_TRA_1PNPDK20110610_105210_000000463103_00224_48514_2337.N1	10-JUN-2011 10:52:10	Straylight	45.500	40	The Sco	1.8590	7100.0	91	48514	No
137	GOM_TRA_1PNPDK20110610_105354_000000463103_00224_48514_2338.N1	10-JUN-2011 10:53:54	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	48514	No
138	GOM_TRA_1PNPDK20110610_105532_000000603103_00224_48514_2339.N1	10-JUN-2011 10:55:32	Bright	60.000	57	34Sig Sgr	2.0660	26000.	120	48514	No
139	GOM_TRA_1PNPDK20110610_110041_000000413103_00224_48514_2340.N1	10-JUN-2011 11:00:41	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	48514	No
140	GOM_TRA_1PNPDK20110610_110226_000000393103_00224_48514_2558.N1	10-JUN-2011 11:02:26	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	48514	Yes
141	GOM_TRA_1PNPDK20110610_110738_000000473103_00224_48514_2559.N1	10-JUN-2011 11:07:38	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48514	No
142	GOM_TRA_1PNPDK20110610_111015_000000453103_00224_48514_2560.N1	10-JUN-2011 11:10:15	Bright	44.500	59	55Alp Oph	2.0800	8900.0	89	48514	No
143	GOM_TRA_1PNPDK20110610_111157_000000383103_00224_48514_2561.N1	10-JUN-2011 11:11:57	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	48514	No
144	GOM_TRA_1PNPDK20110610_111505_000000423103_00224_48514_2562.N1	10-JUN-2011 11:15:05	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	48514	No
145	GOM_TRA_1PNPDK20110610_112206_000000433103_00224_48514_2563.N1	10-JUN-2011 11:22:06	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48514	No
146	GOM_TRA_1PNPDK20110610_113243_000000463103_00224_48514_2564.N1	10-JUN-2011 11:32:43	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48514	No
147	GOM_TRA_1PNPDK20110610_113855_000000583103_00224_48514_2565.N1	10-JUN-2011 11:38:55	Bright	58.000	76	27Gam Cas	2.3000	30000.	116	48514	No
148	GOM_TRA_1PNPDK20110610_114451_000000393103_00224_48514_2566.N1	10-JUN-2011 11:44:51	Bright	39.000	73	57Gam1And	2.2600	13100.	78	48514	No
149	GOM_TRA_1PNPDK20110610_114710_000000593103_00224_48514_2567.N1	10-JUN-2011 11:47:10	Bright	58.500	53	43Bet And	2.0480	3300.0	117	48514	No
150	GOM_TRA_1PNPDK20110610_115029_000000553103_00224_48514_2568.N1	10-JUN-2011 11:50:29	Twilight	54.500	50	13Alp Ari	2.0070	4250.0	109	48514	No
151	GOM_TRA_1PNPDK20110610_120519_000000543103_00224_48514_2569.N1	10-JUN-2011 12:05:19	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	48514	No
152	GOM_TRA_1PNPDK20110610_121145_000000453103_00224_48514_2570.N1	10-JUN-2011 12:11:45	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	48514	No
153	GOM_TRA_1PNPDK20110610_121742_000000503103_00225_48515_2571.N1	10-JUN-2011 12:17:42	Dark	50.000	63	Bet Gru	2.1500	2800.0	100	48515	No
154	GOM_TRA_1PNPDK20110610_121943_000000483103_00225_48515_2572.N1	10-JUN-2011 12:19:43	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48515	No
155	GOM_TRA_1PNPDK20110610_142109_000000413103_00226_48516_2517.N1	10-JUN-2011 14:21:09	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	48516	No
156	GOM_TRA_1PNPDK20110610_142254_000000393103_00226_48516_2518.N1	10-JUN-2011 14:22:54	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	48516	No
157	GOM_TRA_1PNPDK20110610_142806_000000473103_00226_48516_2519.N1	10-JUN-2011 14:28:06	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48516	No
158	GOM_TRA_1PNPDK20110610_143042_000000463103_00226_48516_2520.N1	10-JUN-2011 14:30:42	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	48516	No
159	GOM_TRA_1PNPDK20110610_143225_000000383103_00226_48516_2521.N1	10-JUN-2011 14:32:25	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	48516	No
160	GOM_TRA_1PNPDK20110610_143532_000000423103_00226_48516_2522.N1	10-JUN-2011 14:35:32	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	48516	No
161	GOM_TRA_1PNPDK20110610_144233_000000413103_00226_48516_2523.N1	10-JUN-2011 14:42:33	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	48516	No
162	GOM_TRA_1PNPDK20110610_145923_000000483103_00226_48516_2524.N1	10-JUN-2011 14:59:23	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	48516	No
163	GOM_TRA_1PNPDK20110610_150520_000000403103_00226_48516_2525.N1	10-JUN-2011 15:05:20	Bright	40.000	73	57Gam1And	2.2600	13100.	80	48516	No
164	GOM_TRA_1PNPDK20110610_150738_000000583103_00226_48516_2526.N1	10-JUN-2011 15:07:38	Bright	58.000	53	43Bet And	2.0480	3300.0	116	48516	No
165	GOM_TRA_1PNPDK20110610_151058_000000453103_00226_48516_2527.N1	10-JUN-2011 15:10:58	Twilight	44.500	50	13Alp Ari	2.0070	4250.0	89	48516	No
166	GOM_TRA_1PNPDK20110610_152548_000000493103_00226_48516_2528.N1	10-JUN-2011 15:25:48	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	48516	No

167	GOM_TRA_1PNPDK20110610_153214_000000443103_00226_48516_2529.N1	10-JUN-2011 15:32:14	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	48516	No
168	GOM_TRA_1PNPDK20110610_153812_000000473103_00227_48517_2530.N1	10-JUN-2011 15:38:12	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	48517	No
169	GOM_TRA_1PNPDK20110610_160123_000000423103_00227_48517_2612.N1	10-JUN-2011 16:01:23	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	48517	No
170	GOM_TRA_1PNPDK20110610_160308_000000393103_00227_48517_2613.N1	10-JUN-2011 16:03:08	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	48517	No
171	GOM_TRA_1PNPDK20110610_160819_000000473103_00227_48517_2614.N1	10-JUN-2011 16:08:19	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48517	No
172	GOM_TRA_1PNPDK20110610_161055_000000453103_00227_48517_2615.N1	10-JUN-2011 16:10:55	Bright	45.000	59	55Alp Oph	2.0800	8900.0	90	48517	No
173	GOM_TRA_1PNPDK20110610_161238_000000383103_00227_48517_2616.N1	10-JUN-2011 16:12:38	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	48517	No
174	GOM_TRA_1PNPDK20110610_161546_000000413103_00227_48517_2617.N1	10-JUN-2011 16:15:46	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	48517	No
175	GOM_TRA_1PNPDK20110610_162246_000000423103_00227_48517_2618.N1	10-JUN-2011 16:22:46	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48517	No
176	GOM_TRA_1PNPDK20110610_163323_000000473103_00227_48517_2619.N1	10-JUN-2011 16:33:23	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48517	No
177	GOM_TRA_1PNPDK20110610_163936_000000533103_00227_48517_2620.N1	10-JUN-2011 16:39:36	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	48517	No
178	GOM_TRA_1PNPDK20110610_164533_000000563103_00227_48517_2621.N1	10-JUN-2011 16:45:33	Bright	56.000	73	57Gam1And	2.2600	13100.	112	48517	No
179	GOM_TRA_1PNPDK20110610_164752_000000613103_00227_48517_2622.N1	10-JUN-2011 16:47:52	Bright	61.000	53	43Bet And	2.0480	3300.0	122	48517	No
180	GOM_TRA_1PNPDK20110610_165112_000000523103_00227_48517_2623.N1	10-JUN-2011 16:51:12	Twilight	51.500	50	13Alp Ari	2.0070	4250.0	103	48517	No
181	GOM_TRA_1PNPDK20110610_170603_000000503103_00227_48517_2624.N1	10-JUN-2011 17:06:03	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	48517	No
182	GOM_TRA_1PNPDK20110610_171229_000000543103_00227_48517_2625.N1	10-JUN-2011 17:12:29	Dark	53.500	84	Alp Phe	2.3970	4500.0	107	48517	No
183	GOM_TRA_1PNPDK20110610_171827_000000553103_00228_48518_2626.N1	10-JUN-2011 17:18:27	Dark	54.500	63	Bet Gru	2.1500	2800.0	109	48518	No
184	GOM_TRA_1PNPDK20110610_172028_000000493103_00228_48518_2627.N1	10-JUN-2011 17:20:28	Dark	49.000	31	Alp Gru	1.7340	15200.	98	48518	No
185	GOM_TRA_1PNPDK20110610_172159_000000573103_00228_48518_2628.N1	10-JUN-2011 17:21:59	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	48518	No
186	GOM_TRA_1PNPDK20110610_172441_000000433103_00228_48518_2629.N1	10-JUN-2011 17:24:41	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48518	No
187	GOM_TRA_1PNPDK20110610_173451_000000463103_00228_48518_2641.N1	10-JUN-2011 17:34:51	Twilight_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	48518	No
188	GOM_TRA_1PNPDK20110610_173630_000000623103_00228_48518_2642.N1	10-JUN-2011 17:36:30	Bright	62.000	57	34Sig Sgr	2.0660	26000.	124	48518	No
189	GOM_TRA_1PNPDK20110610_174137_000000413103_00228_48518_2643.N1	10-JUN-2011 17:41:37	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	48518	No
190	GOM_TRA_1PNPDK20110610_174322_000000393103_00228_48518_2644.N1	10-JUN-2011 17:43:22	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	48518	No
191	GOM_TRA_1PNPDK20110610_174833_000000473103_00228_48518_2645.N1	10-JUN-2011 17:48:33	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	48518	No
192	GOM_TRA_1PNPDK20110610_175109_000000493103_00228_48518_2646.N1	10-JUN-2011 17:51:09	Bright	48.500	59	55Alp Oph	2.0800	8900.0	97	48518	No
193	GOM_TRA_1PNPDK20110610_175252_000000393103_00228_48518_2647.N1	10-JUN-2011 17:52:52	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48518	No
194	GOM_TRA_1PNPDK20110610_175600_000000473103_00228_48518_2648.N1	10-JUN-2011 17:56:00	Bright	47.000	133	40Zet Her	2.8070	6000.0	94	48518	No
195	GOM_TRA_1PNPDK20110610_180300_000000423103_00228_48518_2649.N1	10-JUN-2011 18:03:00	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48518	No
196	GOM_TRA_1PNPDK20110610_181336_000000483103_00228_48518_2650.N1	10-JUN-2011 18:13:36	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48518	No
197	GOM_TRA_1PNPDK20110610_181950_000000463103_00228_48518_2651.N1	10-JUN-2011 18:19:50	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	48518	No
198	GOM_TRA_1PNPDK20110610_182547_000000383103_00228_48518_2652.N1	10-JUN-2011 18:25:47	Bright	38.000	73	57Gam1And	2.2600	13100.	76	48518	No
199	GOM_TRA_1PNPDK20110610_182806_000000523103_00228_48518_2653.N1	10-JUN-2011 18:28:06	Bright	52.000	53	43Bet And	2.0480	3300.0	104	48518	No
200	GOM_TRA_1PNPDK20110610_183126_000000513103_00228_48518_2654.N1	10-JUN-2011 18:31:26	Twilight	50.500	50	13Alp Ari	2.0070	4250.0	101	48518	No
201	GOM_TRA_1PNPDK20110610_184618_000000533103_00228_48518_2655.N1	10-JUN-2011 18:46:18	Dark	53.000	52	16Bet Cet	2.0370	4500.0	106	48518	No
202	GOM_TRA_1PNPDK20110610_185243_000000463103_00228_48518_2656.N1	10-JUN-2011 18:52:43	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48518	No
203	GOM_TRA_1PNPDK20110610_185842_000000493103_00229_48519_2657.N1	10-JUN-2011 18:58:42	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	48519	No
204	GOM_TRA_1PNPDK20110610_190043_000000493103_00229_48519_2658.N1	10-JUN-2011 19:00:43	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48519	No
205	GOM_TRA_1PNPDK20110610_190214_000000573103_00229_48519_2659.N1	10-JUN-2011 19:02:14	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	48519	No
206	GOM_TRA_1PNPDK20110610_190456_000000443103_00229_48519_2660.N1	10-JUN-2011 19:04:56	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48519	No
207	GOM_TRA_1PNPDK20110610_191506_000000443103_00229_48519_2665.N1	10-JUN-2011 19:15:06	Twilight_and_stray	44.000	25	35Lam Sco	1.6200	28000.	88	48519	No
208	GOM_TRA_1PNPDK20110610_191644_000000613103_00229_48519_2666.N1	10-JUN-2011 19:16:44	Bright	60.500	57	34Sig Sgr	2.0660	26000.	121	48519	No
209	GOM_TRA_1PNPDK20110610_192151_000000413103_00229_48519_2667.N1	10-JUN-2011 19:21:51	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48519	No
210	GOM_TRA_1PNPDK20110610_192336_000000383103_00229_48519_2668.N1	10-JUN-2011 19:23:36	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	48519	No
211	GOM_TRA_1PNPDK20110610_192847_000000473103_00229_48519_2669.N1	10-JUN-2011 19:28:47	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48519	No
212	GOM_TRA_1PNPDK20110610_193122_000000483103_00229_48519_2670.N1	10-JUN-2011 19:31:22	Bright	48.000	59	55Alp Oph	2.0800	8900.0	96	48519	No
213	GOM_TRA_1PNPDK20110610_193306_000000413103_00229_48519_2671.N1	10-JUN-2011 19:33:06	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	48519	No
214	GOM_TRA_1PNPDK20110610_193614_000000393103_00229_48519_2672.N1	10-JUN-2011 19:36:14	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	48519	No
215	GOM_TRA_1PNPDK20110610_194313_000000443103_00229_48519_2673.N1	10-JUN-2011 19:43:13	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	48519	No
216	GOM_TRA_1PNPDK20110610_195350_000000483103_00229_48519_2674.N1	10-JUN-2011 19:53:50	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48519	No
217	GOM_TRA_1PNPDK20110610_200004_000000593103_00229_48519_2675.N1	10-JUN-2011 20:00:04	Bright	59.000	76	27Gam Cas	2.3000	30000.	118	48519	No
218	GOM_TRA_1PNPDK20110610_200602_000000373103_00229_48519_2676.N1	10-JUN-2011 20:06:02	Bright	37.000	73	57Gam1And	2.2600	13100.	74	48519	No
219	GOM_TRA_1PNPDK20110610_200820_000000543103_00229_48519_2677.N1	10-JUN-2011 20:08:20	Bright	53.500	53	43Bet And	2.0480	3300.0	107	48519	No
220	GOM_TRA_1PNPDK20110610_201140_000000473103_00229_48519_2678.N1	10-JUN-2011 20:11:40	Twilight	47.000	50	13Alp Ari	2.0070	4250.0	94	48519	No
221	GOM_TRA_1PNPDK20110610_202633_000000573103_00229_48519_2679.N1	10-JUN-2011 20:26:33	Dark	56.500	52	16Bet Cet	2.0370	4500.0	113	48519	No
222	GOM_TRA_1PNPDK20110610_203258_000000493103_00229_48519_2680.N1	10-JUN-2011 20:32:58	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	48519	No
223	GOM_TRA_1PNPDK20110610_203857_000000503103_00230_48520_2681.N1	10-JUN-2011 20:38:57	Dark	50.000	63	Bet Gru	2.1500	2800.0	100	48520	No
224	GOM_TRA_1PNPDK20110610_204058_000000463103_00230_48520_2682.N1	10-JUN-2011 20:40:58	Dark	45.500	31	Alp Gru	1.7340	15200.	91	48520	No
225	GOM_TRA_1PNPDK20110610_204229_000000573103_00230_48520_2809.N1	10-JUN-2011 20:42:29	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	48520	No

226	GOM_TRA_1PNPDK20110610_204510_000000423103_00230_48520_2810.N1	10-JUN-2011 20:45:10	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48520	No
227	GOM_TRA_1PNPDE20110610_205520_000000443103_00230_48520_4591.N1	10-JUN-2011 20:55:20	Twilight	43.500	25	35Lam Sco	1.6200	28000.	87	48520	No
228	GOM_TRA_1PNPDE20110610_205658_000000583103_00230_48520_4592.N1	10-JUN-2011 20:56:58	Bright	58.000	57	34Sig Sgr	2.0660	26000.	116	48520	No
229	GOM_TRA_1PNPDE20110610_210205_000000413103_00230_48520_4593.N1	10-JUN-2011 21:02:05	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48520	No
230	GOM_TRA_1PNPDE20110610_210350_000000393103_00230_48520_4594.N1	10-JUN-2011 21:03:50	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	48520	No
231	GOM_TRA_1PNPDE20110610_210901_000000473103_00230_48520_4595.N1	10-JUN-2011 21:09:01	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	48520	No
232	GOM_TRA_1PNPDE20110610_211136_000000473103_00230_48520_4596.N1	10-JUN-2011 21:11:36	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	48520	No
233	GOM_TRA_1PNPDE20110610_211320_000000393103_00230_48520_4597.N1	10-JUN-2011 21:13:20	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48520	No
234	GOM_TRA_1PNPDE20110610_211627_000000403103_00230_48520_4598.N1	10-JUN-2011 21:16:27	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	48520	No
235	GOM_TRA_1PNPDE20110610_212327_000000433103_00230_48520_4599.N1	10-JUN-2011 21:23:27	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48520	No
236	GOM_TRA_1PNPDE20110610_213403_000000483103_00230_48520_4600.N1	10-JUN-2011 21:34:03	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48520	No
237	GOM_TRA_1PNPDE20110610_214017_000000593103_00230_48520_4601.N1	10-JUN-2011 21:40:17	Bright	58.500	76	27Gam Cas	2.3000	30000.	117	48520	No
238	GOM_TRA_1PNPDE20110610_214616_000000513103_00230_48520_4602.N1	10-JUN-2011 21:46:16	Bright	50.500	73	57Gam1And	2.2600	13100.	101	48520	No
239	GOM_TRA_1PNPDE20110610_214834_000000483103_00230_48520_4603.N1	10-JUN-2011 21:48:34	Bright	48.000	53	43Bet And	2.0480	3300.0	96	48520	No
240	GOM_TRA_1PNPDE20110610_215155_000000463103_00230_48520_4604.N1	10-JUN-2011 21:51:55	Twilight	46.000	50	13Alp Ari	2.0070	4250.0	92	48520	No
241	GOM_TRA_1PNPDE20110610_220648_000000513103_00230_48520_4611.N1	10-JUN-2011 22:06:48	Dark	51.000	52	16Bet Cet	2.0370	4500.0	102	48520	No
242	GOM_TRA_1PNPDE20110610_221313_000000503103_00230_48520_4612.N1	10-JUN-2011 22:13:13	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	48520	No
243	GOM_TRA_1PNPDE20110610_221912_000000513103_00231_48521_4613.N1	10-JUN-2011 22:19:12	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	48521	No
244	GOM_TRA_1PNPDE20110610_222113_000000493103_00231_48521_4614.N1	10-JUN-2011 22:21:13	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48521	No
245	GOM_TRA_1PNPDE20110610_222245_000000573103_00231_48521_4615.N1	10-JUN-2011 22:22:45	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	48521	No
246	GOM_TRA_1PNPDE20110610_222525_000000443103_00231_48521_4616.N1	10-JUN-2011 22:25:25	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	48521	No
247	GOM_TRA_1PNPDE20110610_223534_000000463103_00231_48521_4617.N1	10-JUN-2011 22:35:34	Twilight	45.500	25	35Lam Sco	1.6200	28000.	91	48521	No
248	GOM_TRA_1PNPDE20110610_223713_000000603103_00231_48521_4618.N1	10-JUN-2011 22:37:13	Bright	59.500	57	34Sig Sgr	2.0660	26000.	119	48521	No
249	GOM_TRA_1PNPDE20110610_224219_000000403103_00231_48521_4619.N1	10-JUN-2011 22:42:19	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48521	No
250	GOM_TRA_1PNPDE20110610_224404_000000383103_00231_48521_4620.N1	10-JUN-2011 22:44:04	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	48521	No
251	GOM_TRA_1PNPDE20110610_224914_000000473103_00231_48521_4621.N1	10-JUN-2011 22:49:14	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48521	No
252	GOM_TRA_1PNPDE20110610_225149_000000493103_00231_48521_4622.N1	10-JUN-2011 22:51:49	Bright	49.000	59	55Alp Oph	2.0800	8900.0	98	48521	No
253	GOM_TRA_1PNPDE20110610_225334_000000413103_00231_48521_4623.N1	10-JUN-2011 22:53:34	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	48521	No
254	GOM_TRA_1PNPDE20110610_225641_000000393103_00231_48521_4624.N1	10-JUN-2011 22:56:41	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	48521	No
255	GOM_TRA_1PNPDE20110610_230340_000000423103_00231_48521_4625.N1	10-JUN-2011 23:03:40	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48521	No
256	GOM_TRA_1PNPDE20110610_231416_000000473103_00231_48521_4626.N1	10-JUN-2011 23:14:16	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48521	No
257	GOM_TRA_1PNPDE20110610_232032_000000503103_00231_48521_4627.N1	10-JUN-2011 23:20:32	Bright	50.000	76	27Gam Cas	2.3000	30000.	100	48521	No
258	GOM_TRA_1PNPDE20110610_232630_000000363103_00231_48521_4628.N1	10-JUN-2011 23:26:30	Bright	35.500	73	57Gam1And	2.2600	13100.	71	48521	No
259	GOM_TRA_1PNPDE20110610_232848_000000493103_00231_48521_4629.N1	10-JUN-2011 23:28:48	Twilight	49.000	53	43Bet And	2.0480	3300.0	98	48521	No
260	GOM_TRA_1PNPDE20110610_233208_000000483103_00231_48521_4630.N1	10-JUN-2011 23:32:08	Twilight	47.500	50	13Alp Ari	2.0070	4250.0	95	48521	No
261	GOM_TRA_1PNPDE20110610_234703_000000503103_00231_48521_4632.N1	10-JUN-2011 23:47:03	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	48521	No
262	GOM_TRA_1PNPDE20110610_235327_000000463103_00231_48521_4633.N1	10-JUN-2011 23:53:27	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48521	No
263	GOM_TRA_1PNPDE20110610_235927_000000653103_00232_48522_4634.N1	10-JUN-2011 23:59:27	Dark	65.000	63	Bet Gru	2.1500	2800.0	130	48522	No

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



4. Overview of dark signal processing per product

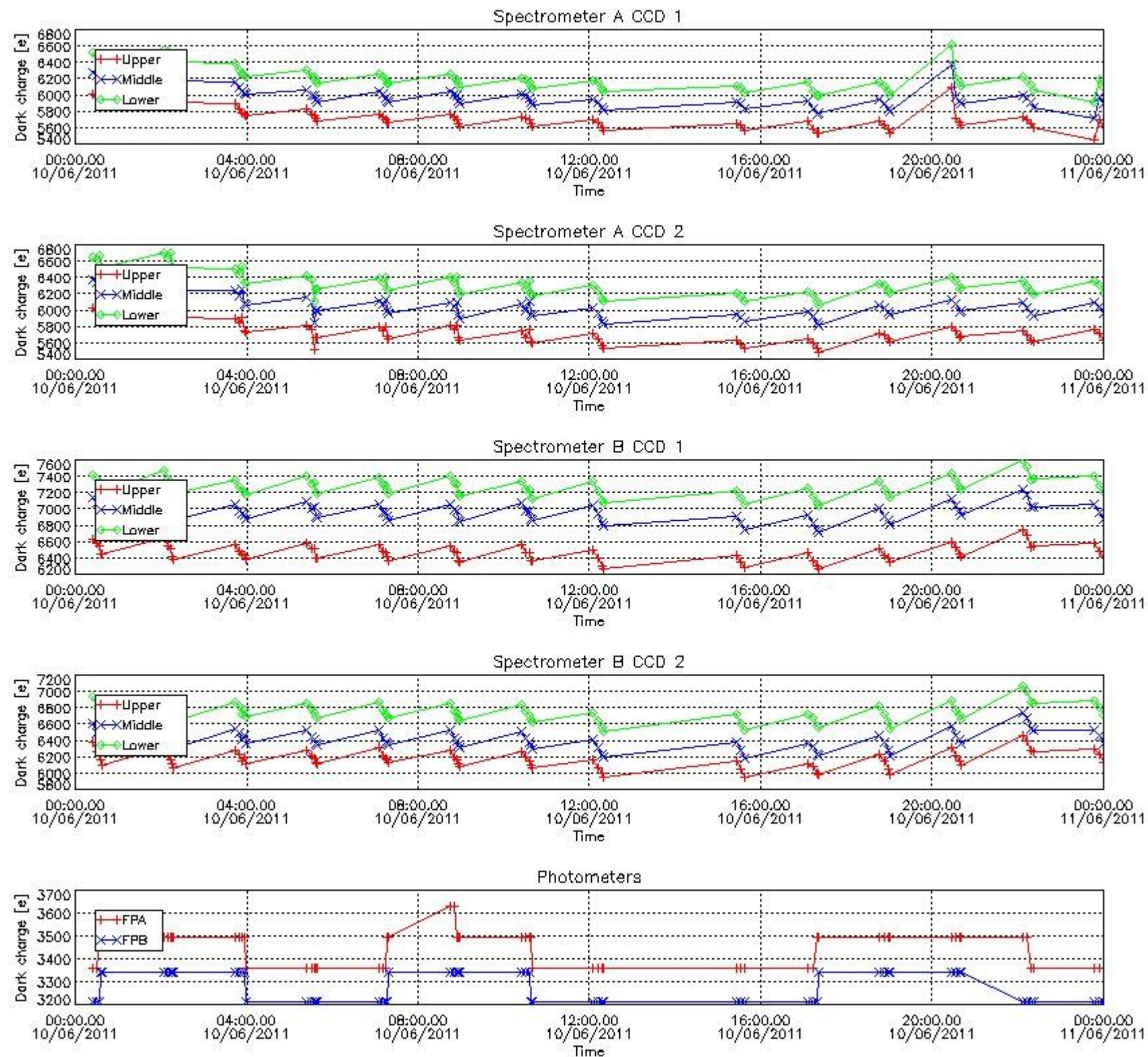
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110610_205520_000000443103_00230_48520_4591.N1	DC map used
GOM_TRA_1PNPDE20110610_205658_000000583103_00230_48520_4592.N1	DC map used
GOM_TRA_1PNPDE20110610_210205_000000413103_00230_48520_4593.N1	DC map used
GOM_TRA_1PNPDE20110610_210350_000000393103_00230_48520_4594.N1	DC map used
GOM_TRA_1PNPDE20110610_210901_000000473103_00230_48520_4595.N1	DC map used
GOM_TRA_1PNPDE20110610_211136_000000473103_00230_48520_4596.N1	DC map used
GOM_TRA_1PNPDE20110610_211320_000000393103_00230_48520_4597.N1	DC map used
GOM_TRA_1PNPDE20110610_211627_000000403103_00230_48520_4598.N1	DC map used
GOM_TRA_1PNPDE20110610_212327_000000433103_00230_48520_4599.N1	DC map used
GOM_TRA_1PNPDE20110610_213403_000000483103_00230_48520_4600.N1	DC map used
GOM_TRA_1PNPDE20110610_214017_000000593103_00230_48520_4601.N1	DC map used
GOM_TRA_1PNPDE20110610_214616_000000513103_00230_48520_4602.N1	DC map used
GOM_TRA_1PNPDE20110610_214834_000000483103_00230_48520_4603.N1	DC map used
GOM_TRA_1PNPDE20110610_215155_000000463103_00230_48520_4604.N1	DC map used

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



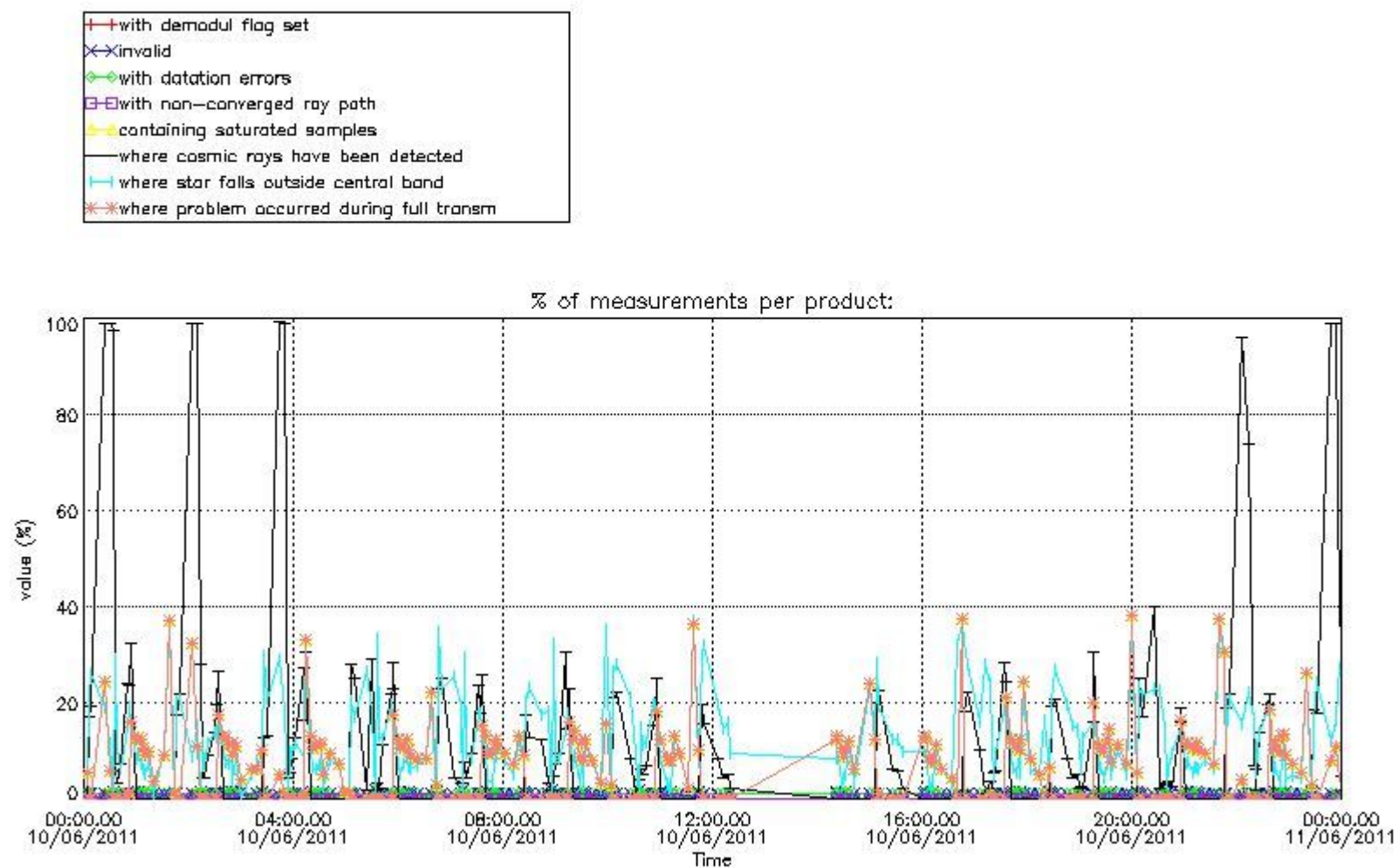
5. Demodulation flag and quality information monitoring

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.

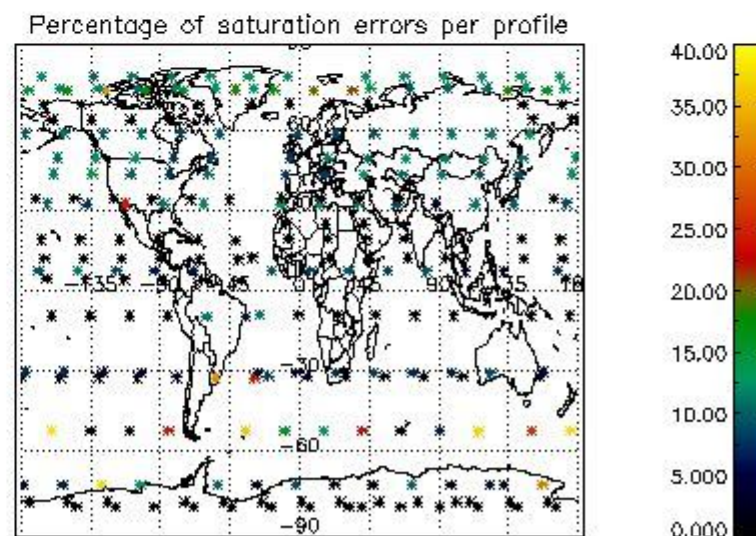
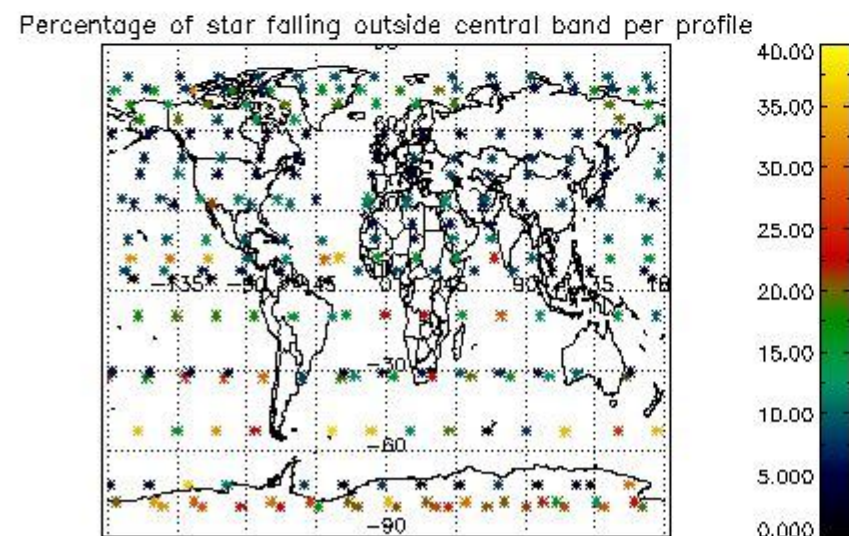
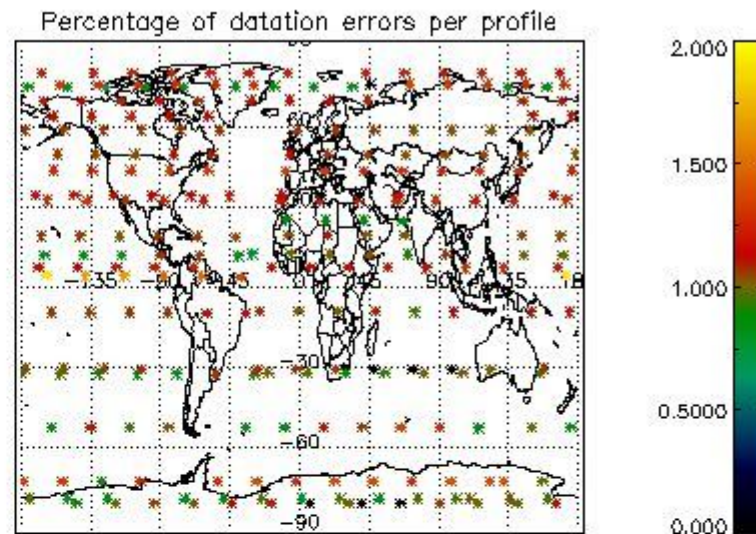
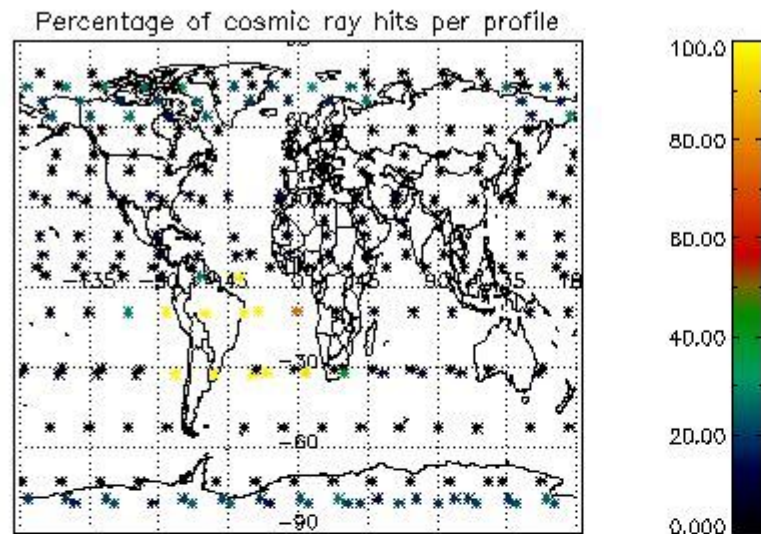
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	41.2214 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	58.3969 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



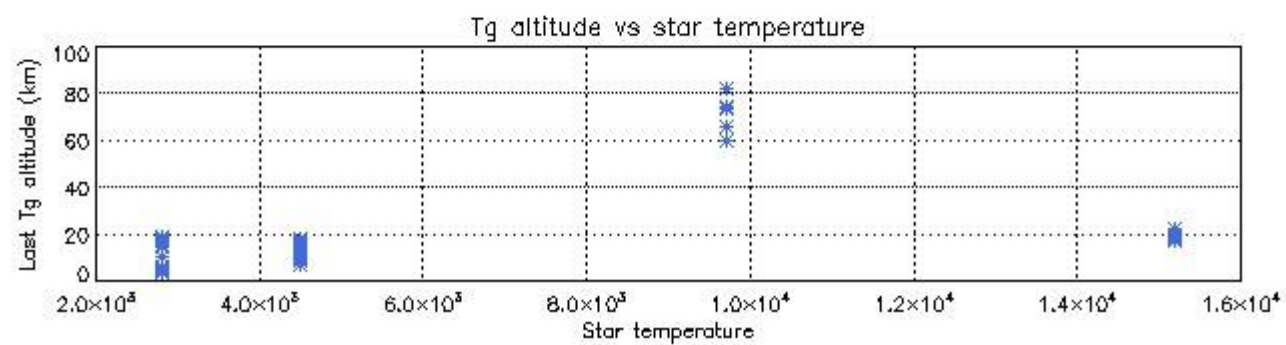
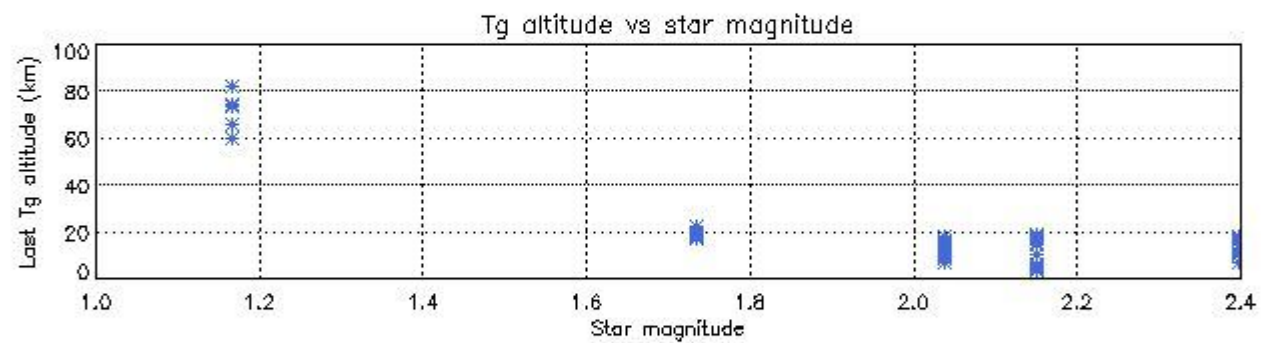
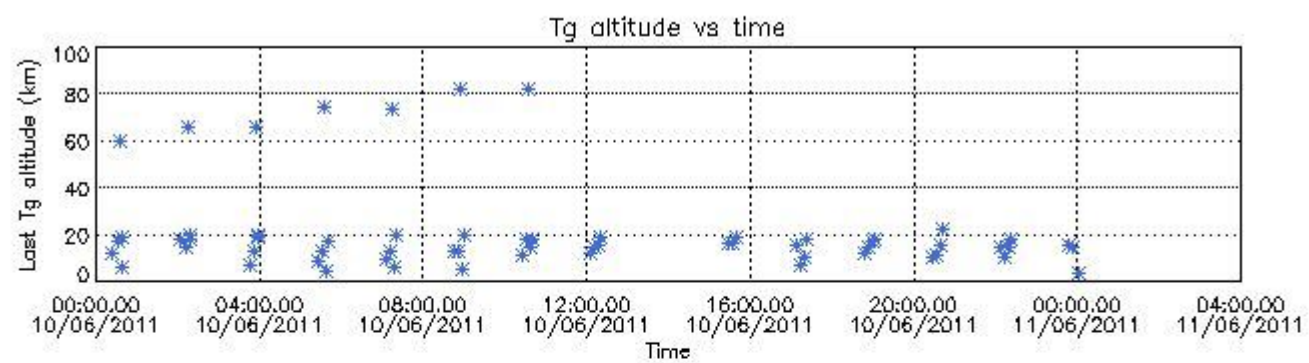
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	20.709	18.304	9.7378
St. deviation:	19.332	5.5853	2.1353
Maximum:	82.407	27.709	13.112
Minimum:	3.2788	3.3682	4.9054
Number of data:	61.000	153.00	14.000

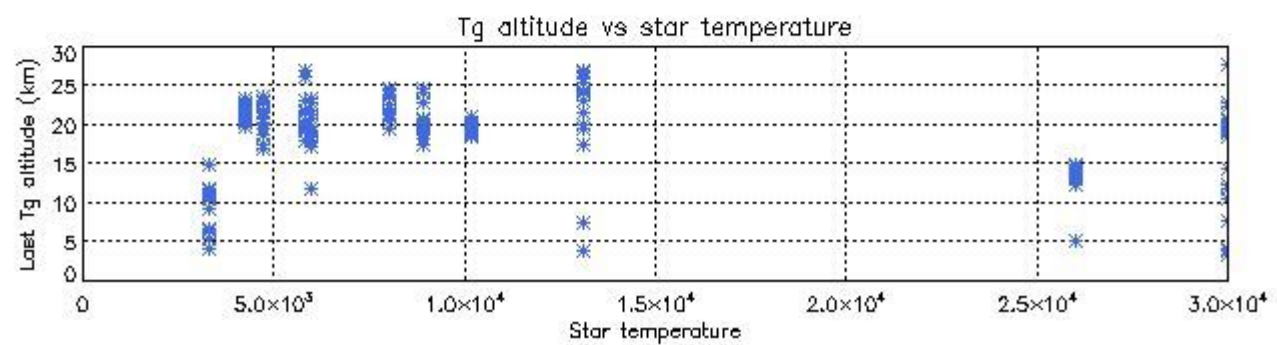
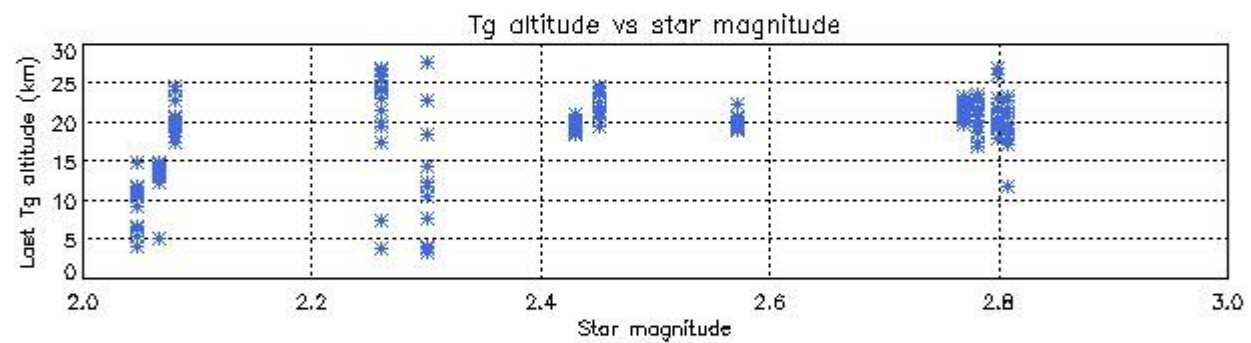
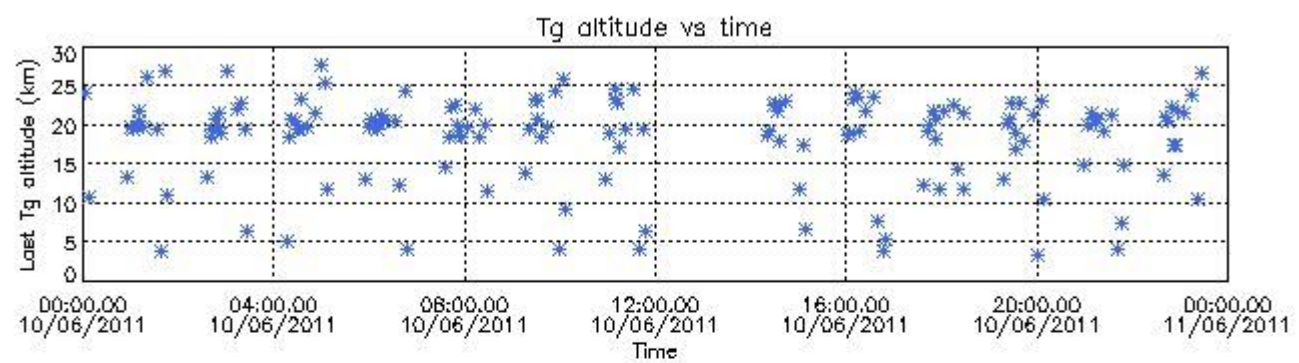
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



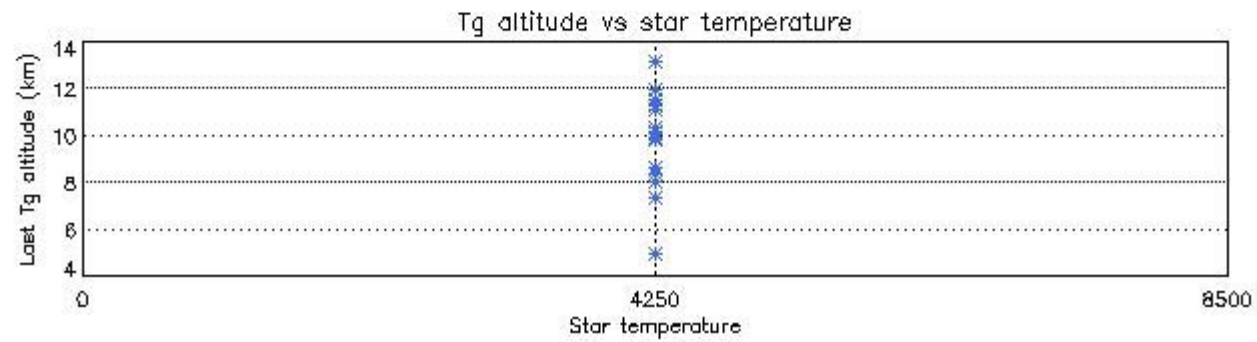
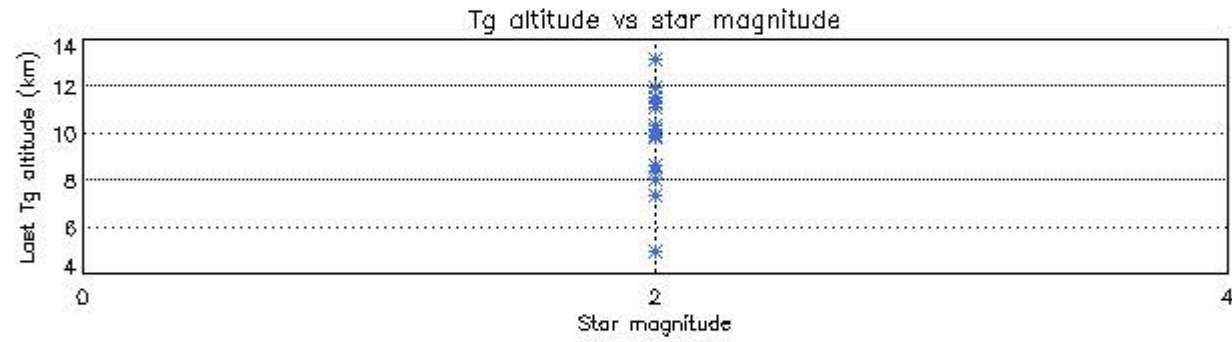
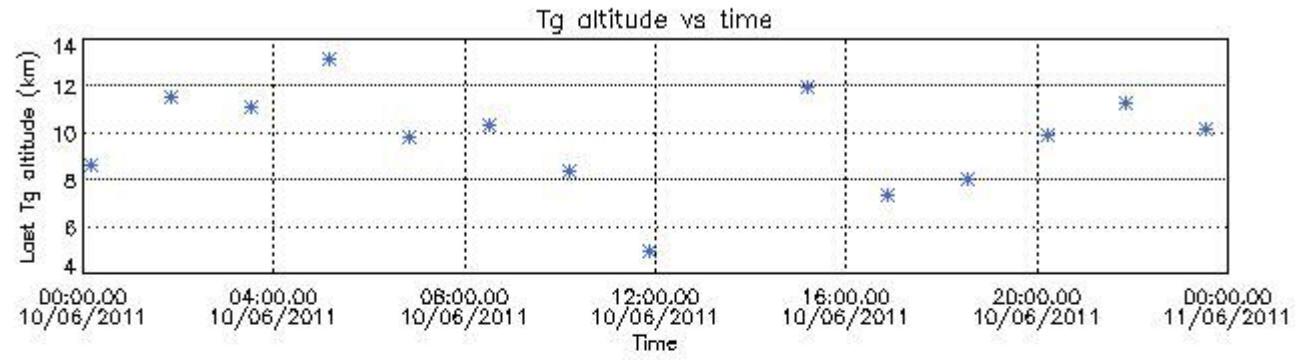
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

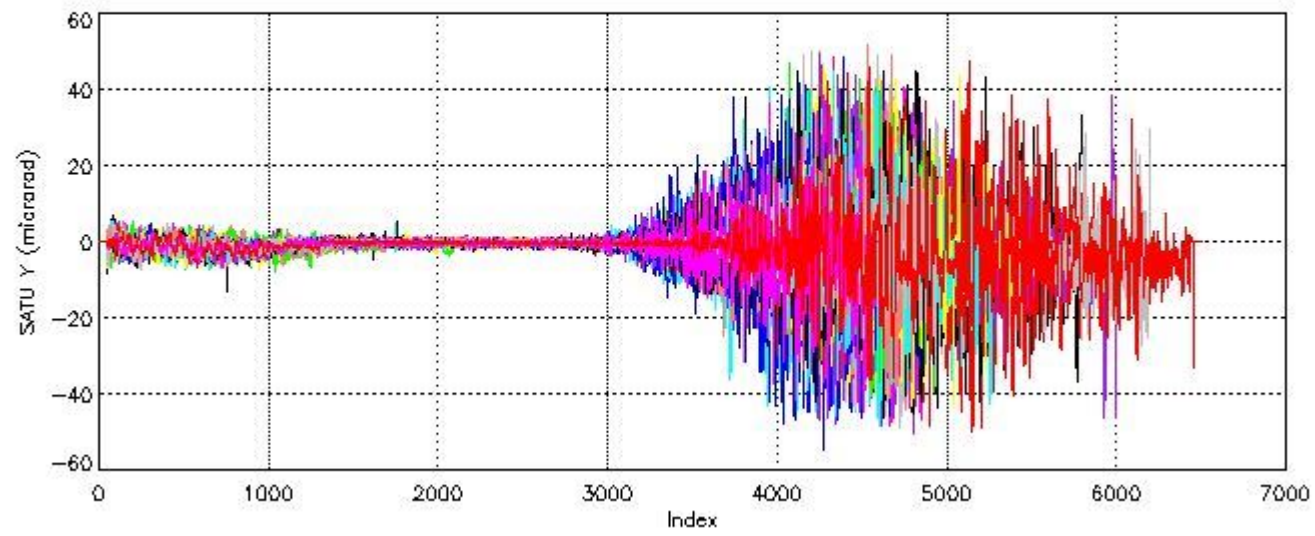
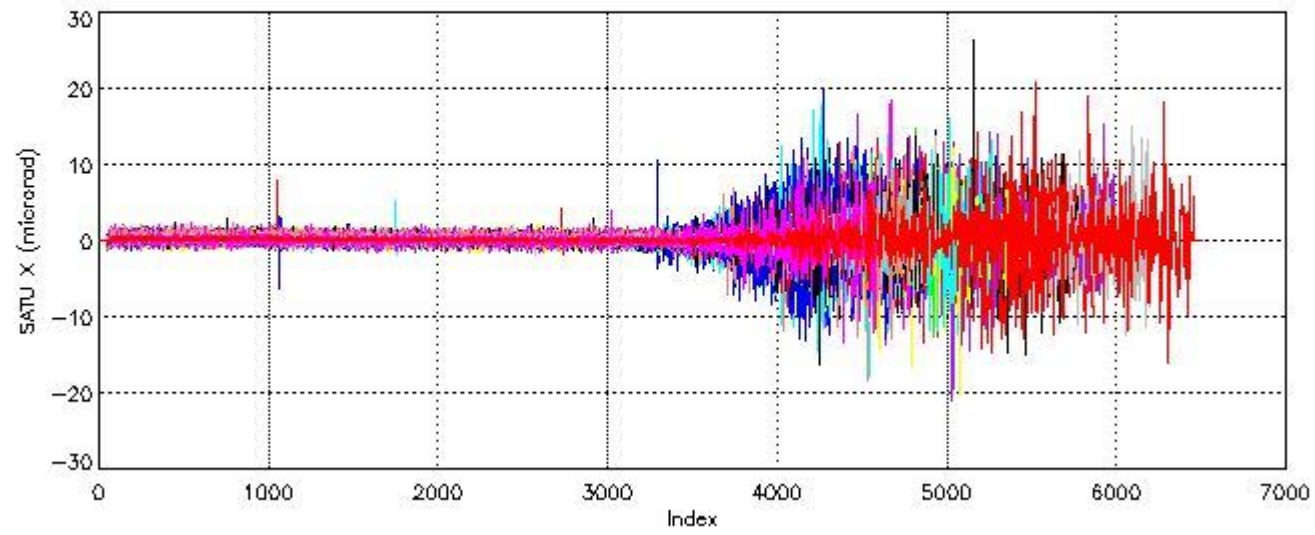


7. Star Acquisition and Tracking Unit (SATU)

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:	0.26889	-1.1685	0.25659	-1.1938
St. deviation:	0.33732	1.5460	0.73083	1.5479
Maximum:	7.9000	6.6000	4.5000	7.0000
Minimum:	-2.6000	-13.100	-4.6000	-10.200

Number of data:	68300.	68300.	1.5590E+05	1.5590E+05
90Percentile:	0.70000	0.70000	1.3000	0.60000

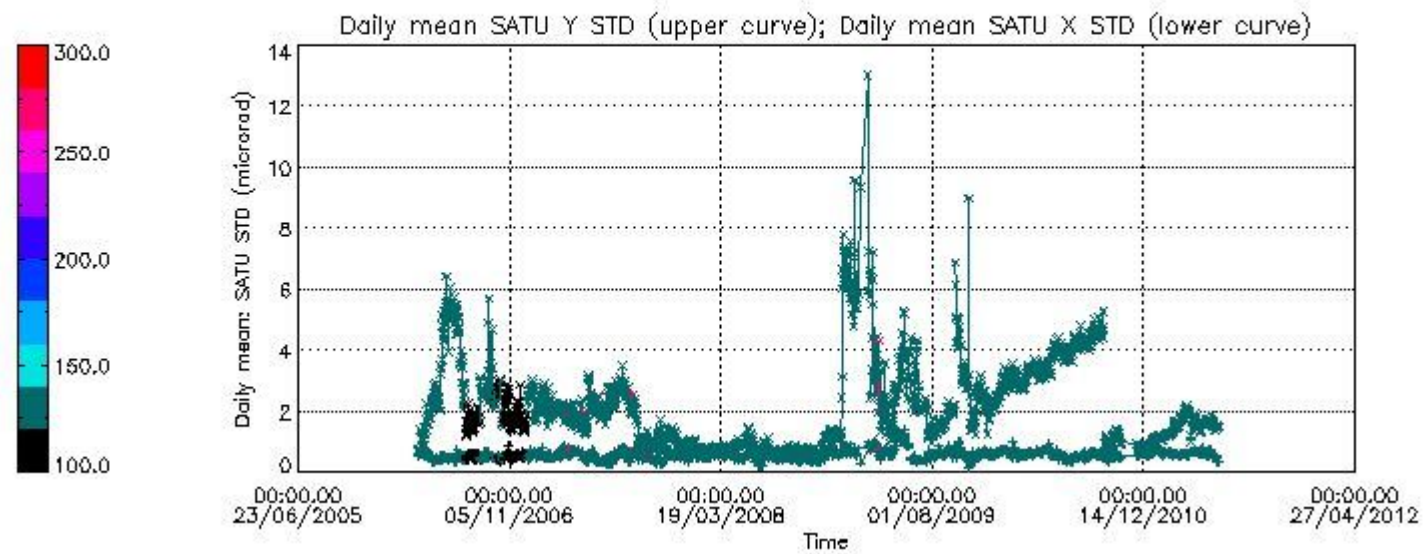
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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.

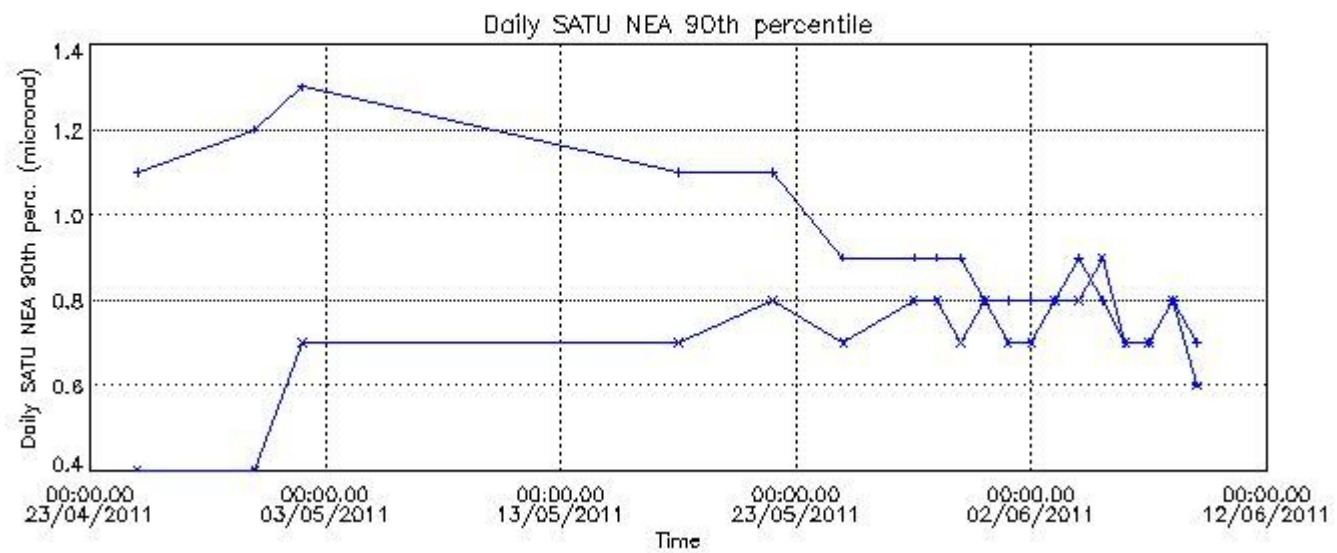
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

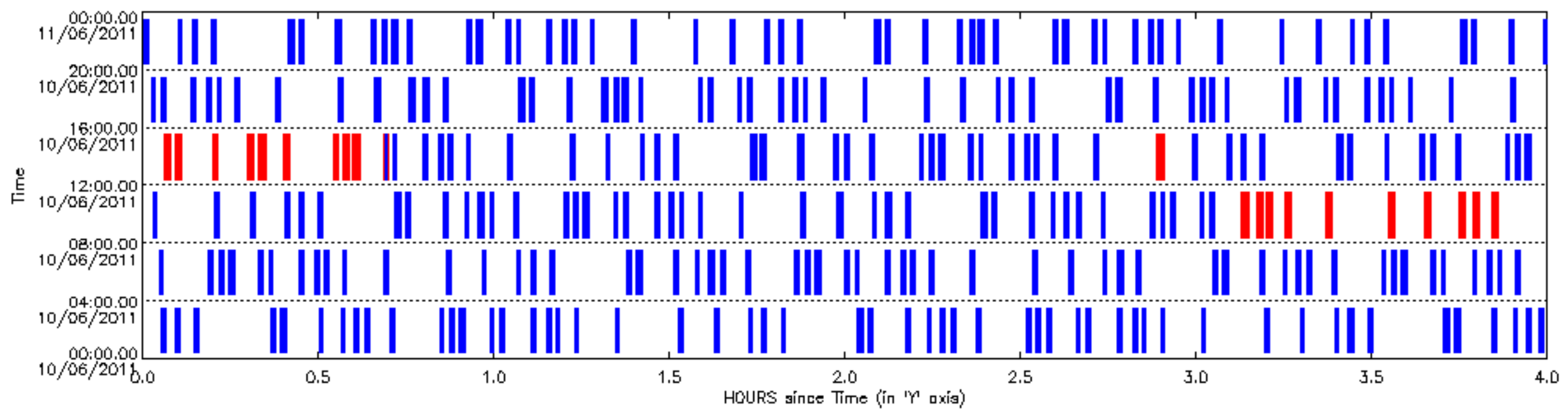
Upper curve: 90th percentile of SATU X axis

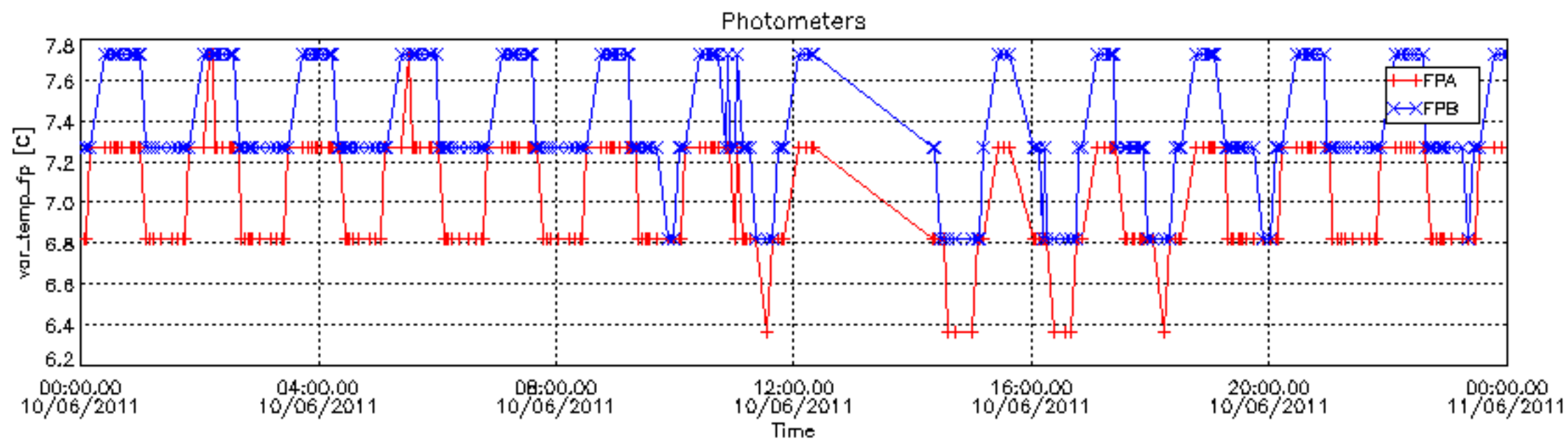
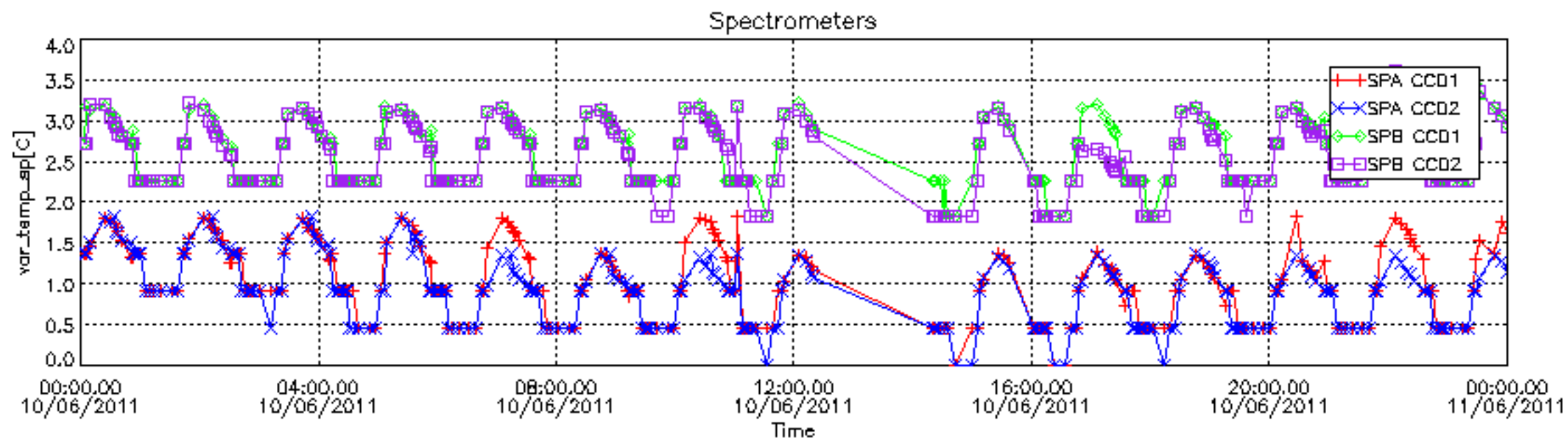


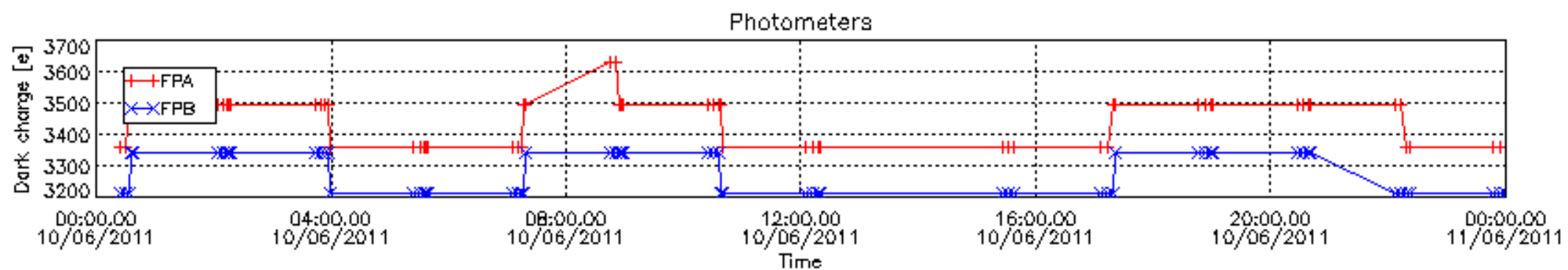
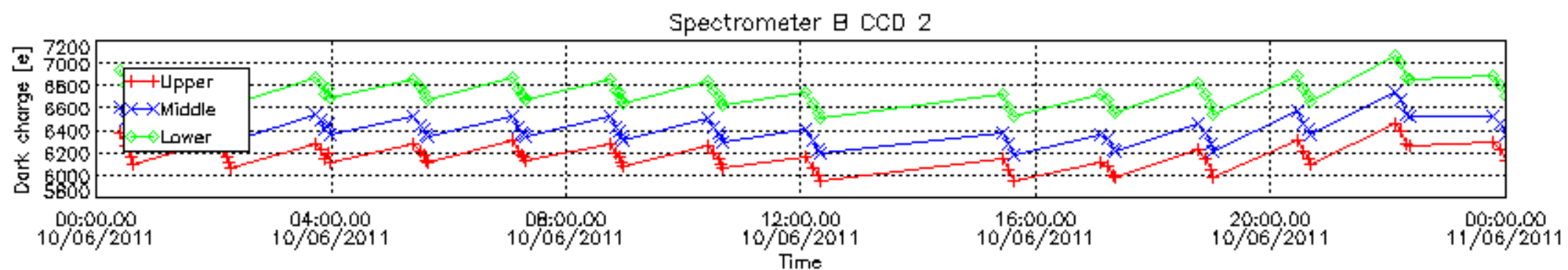
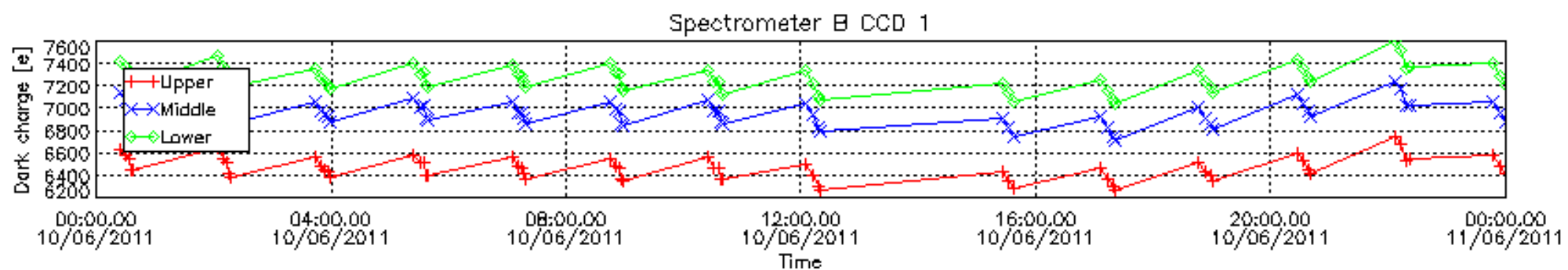
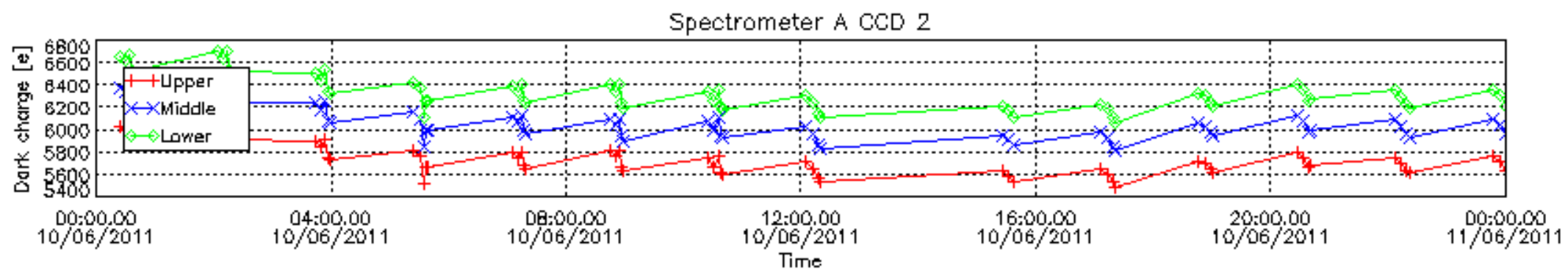
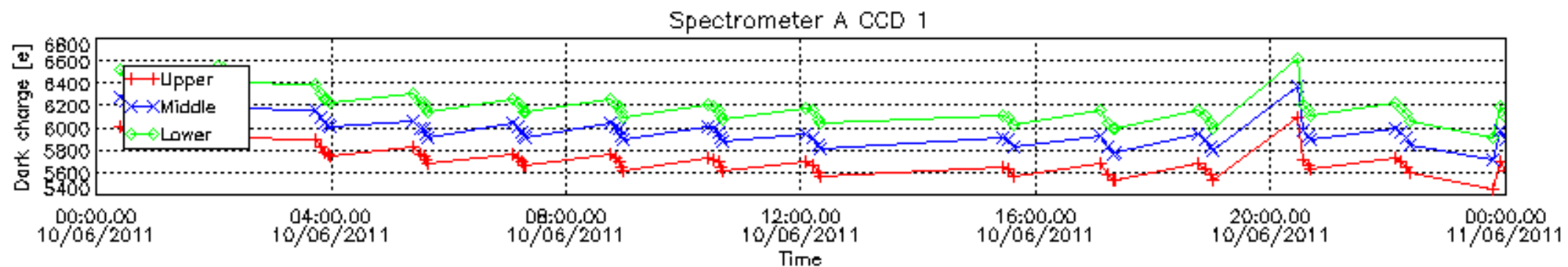
8. Auxiliary Data Files used for the production reported in section 2.4

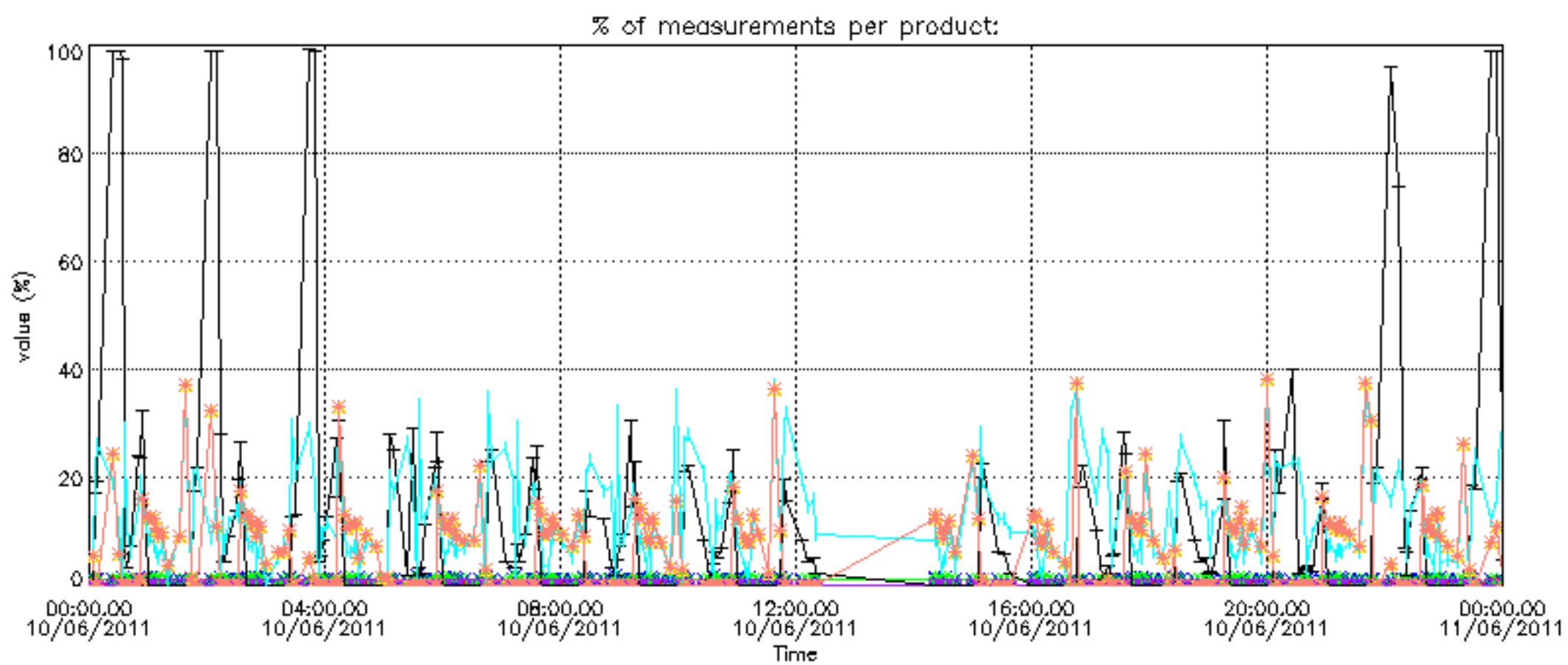
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
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CALIBRATION_DATABASE	GOM_CAL_AXNIEC20110606_150230_20110607_000000_20500101_000000	1	10-JUN-2011 00:03:13
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	1	10-JUN-2011 00:03:13
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	10-JUN-2011 00:03:13
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	10-JUN-2011 00:03:13
ECMWF_FILE	AUX_ECF_AXNECM20110609_063103_20110609_210000_20110610_090000	1	10-JUN-2011 00:03:13
ECMWF_FILE	AUX_ECF_AXNECM20110609_181102_20110610_030000_20110610_150000	42	10-JUN-2011 03:17:46
ECMWF_FILE	AUX_ECA_AXNECM20110610_062115_20110609_210000_20110610_090000	63	10-JUN-2011 04:58:00
ECMWF_FILE	AUX_ECF_AXNECM20110609_181102_20110610_030000_20110610_150000	98	10-JUN-2011 07:41:58
ECMWF_FILE	AUX_ECF_AXNECM20110610_062115_20110610_090000_20110610_210000	120	10-JUN-2011 09:27:25
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ECMWF_FILE	AUX_ECA_AXNECM20110610_182115_20110610_090000_20110610_210000	187	10-JUN-2011 17:34:51
ECMWF_FILE	AUX_ECF_AXNECM20110610_062116_20110610_150000_20110611_030000	227	10-JUN-2011 20:55:20
ECMWF_FILE	AUX_ECF_AXNECM20110610_062116_20110610_210000_20110611_090000	241	10-JUN-2011 22:06:48
OPTIONAL_ECMWF_FILE	MISSING	1	10-JUN-2011 00:03:13
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110609_103102_20110608_182830_20110618_204217	1	10-JUN-2011 00:03:13
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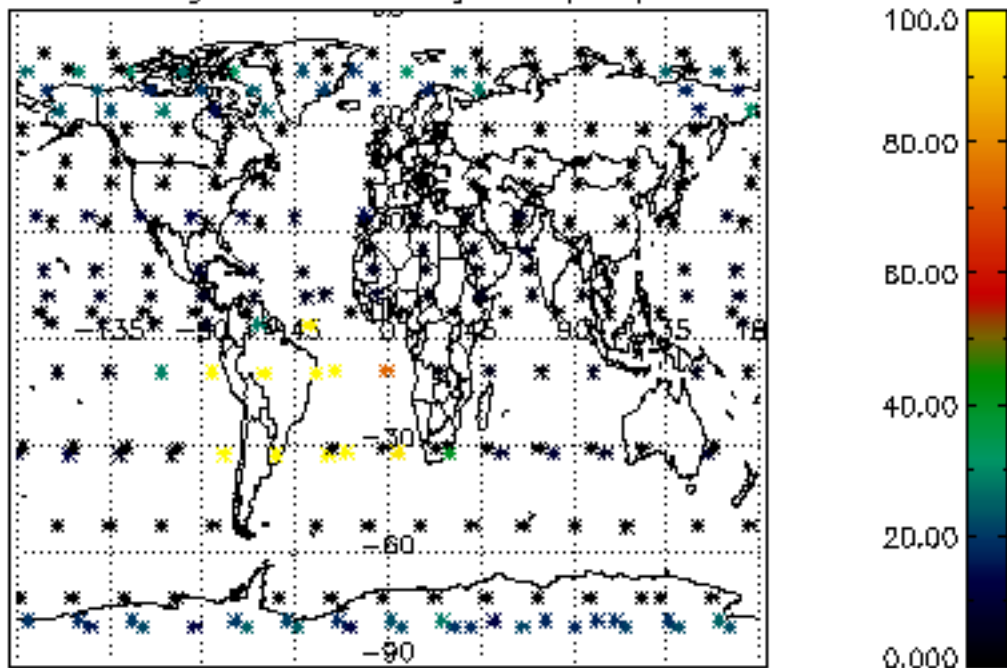




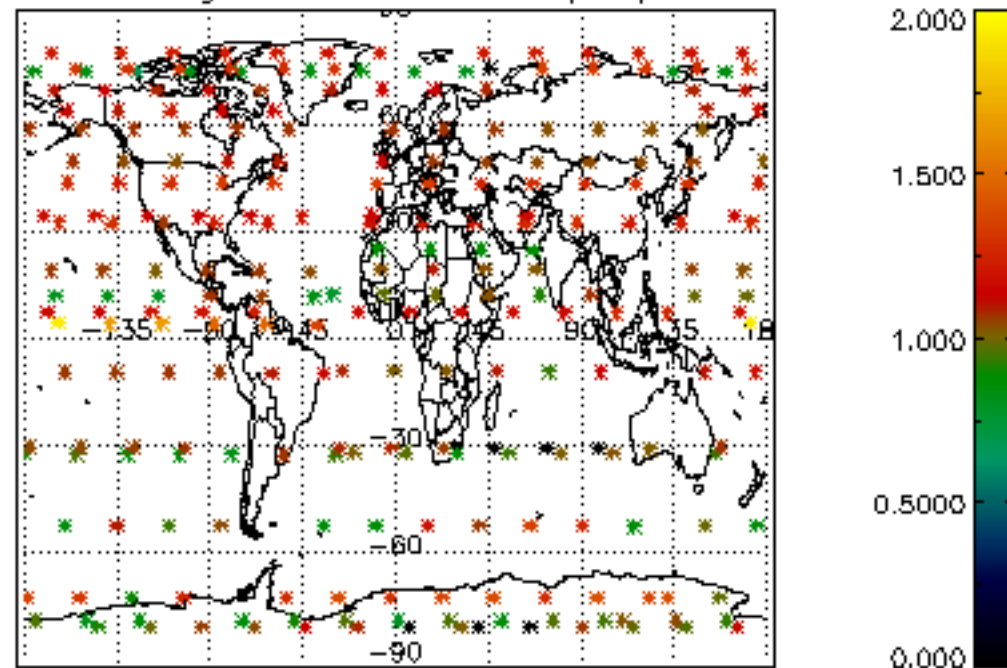




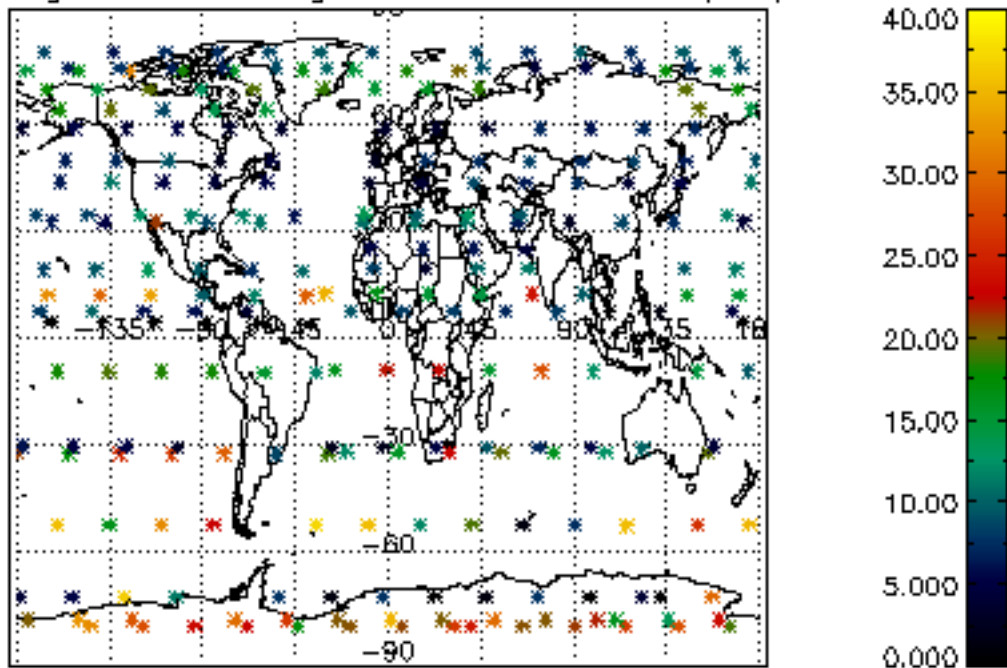
Percentage of cosmic ray hits per profile



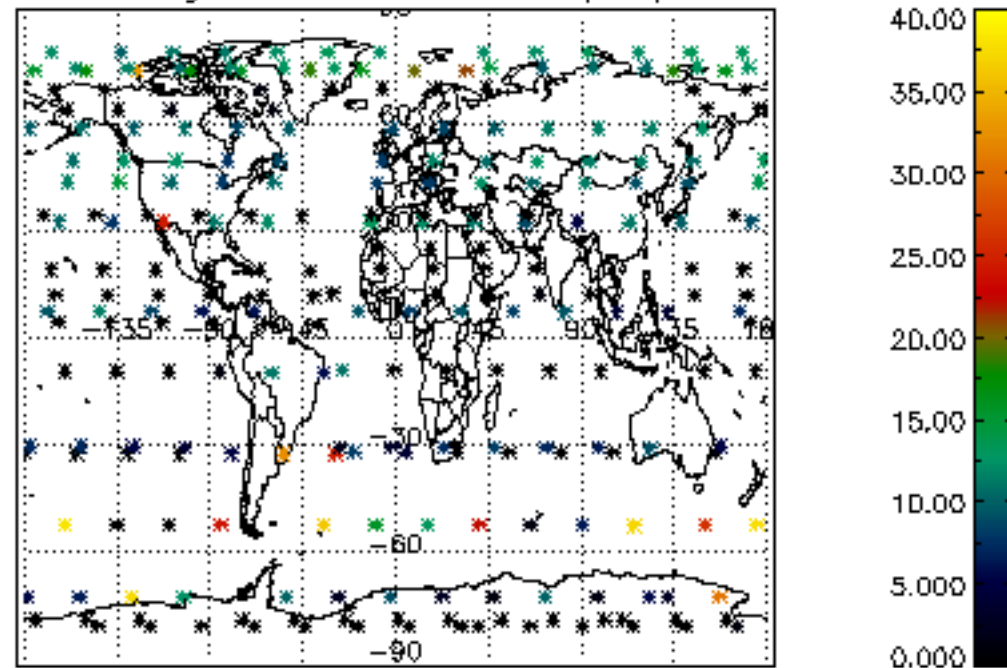
Percentage of datation errors per profile



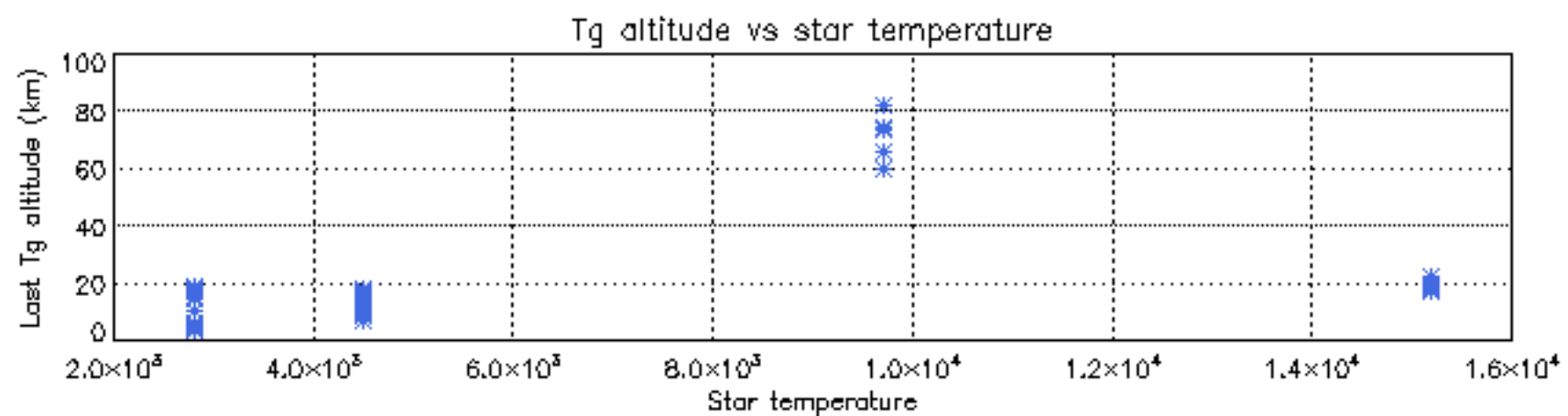
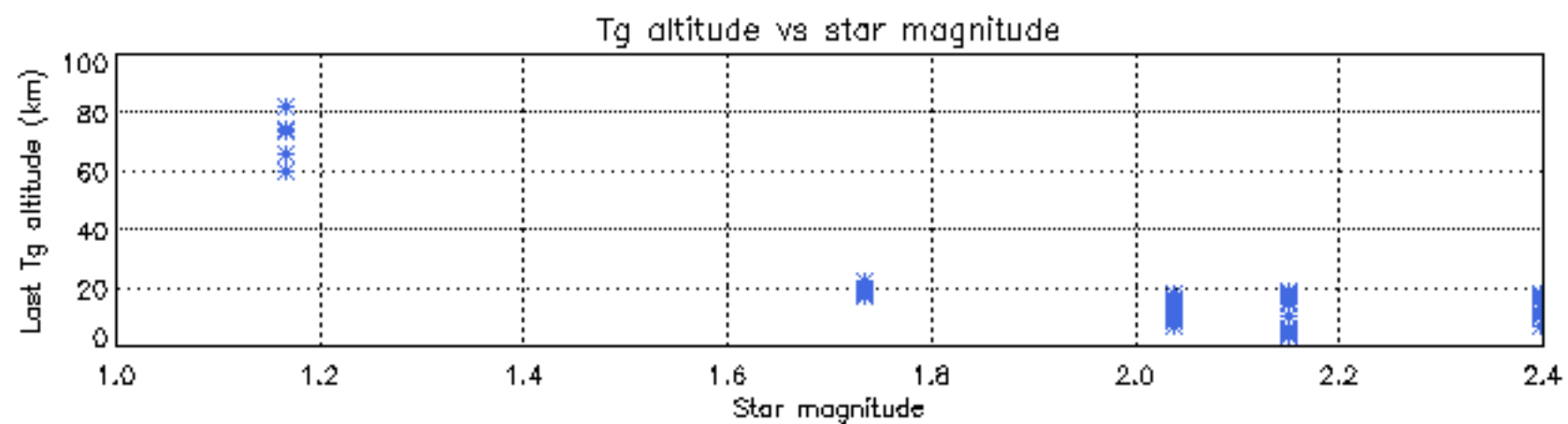
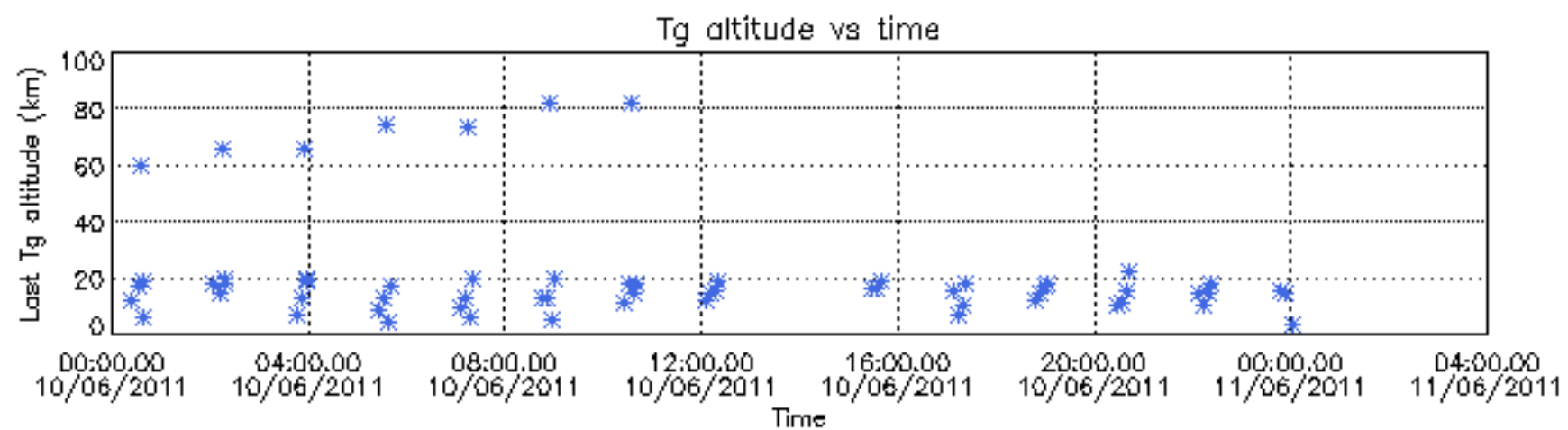
Percentage of star falling outside central band per profile



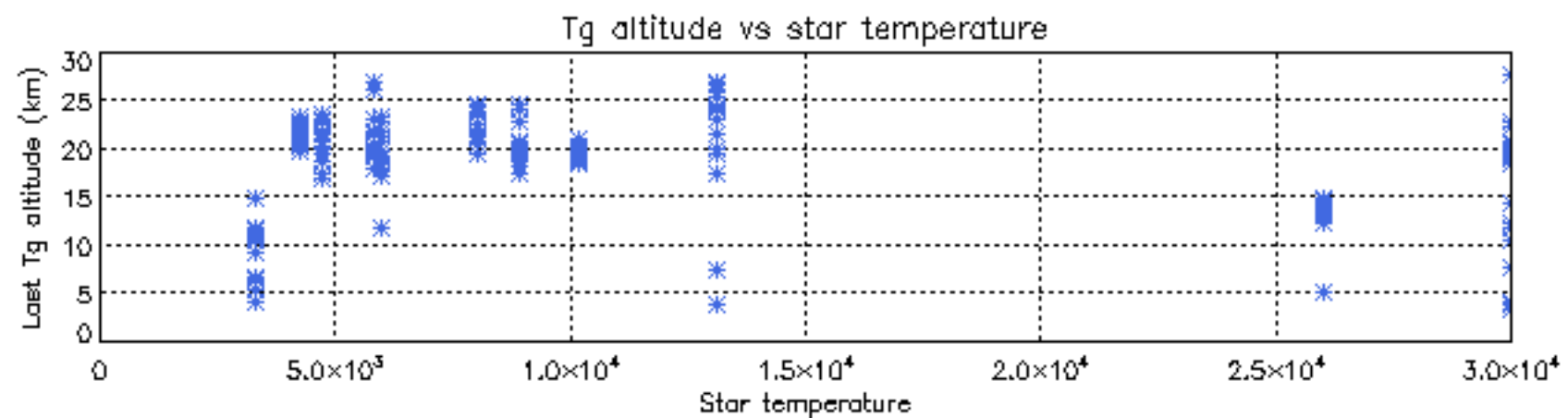
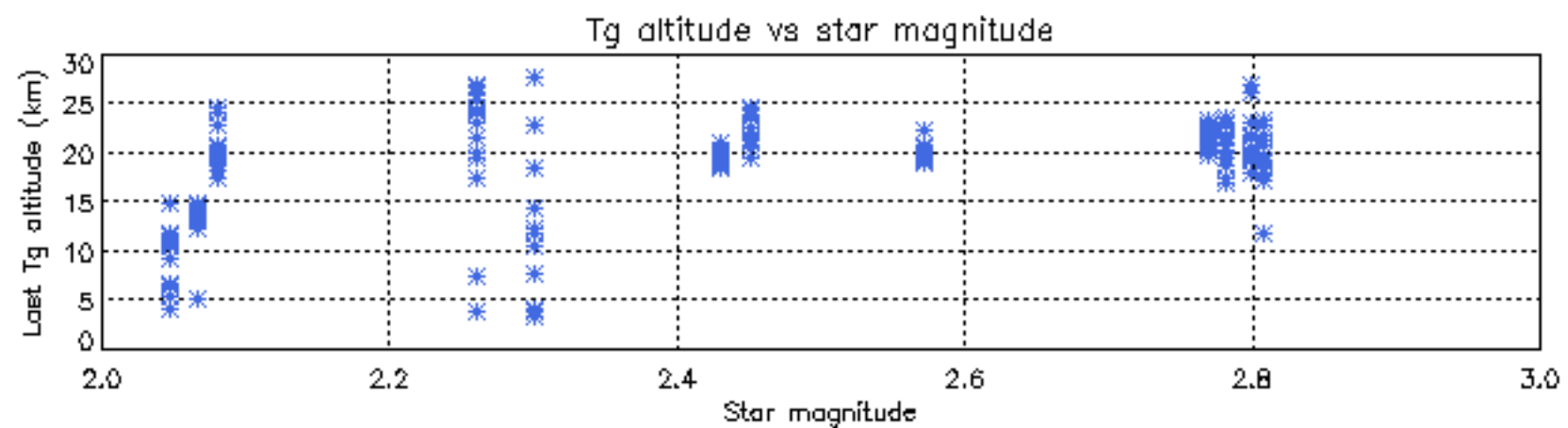
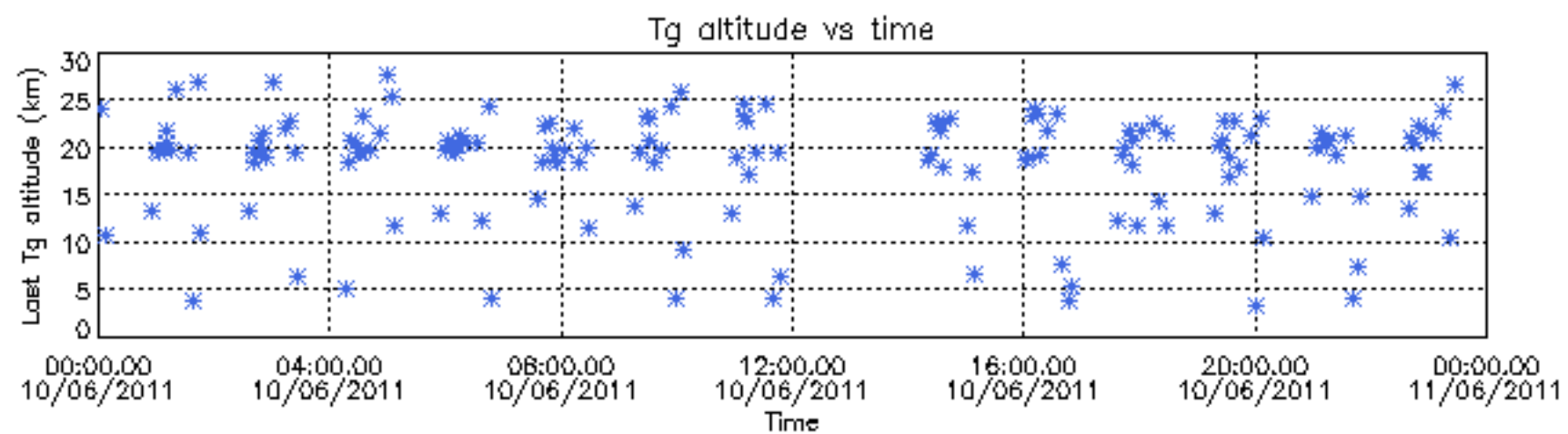
Percentage of saturation errors per profile



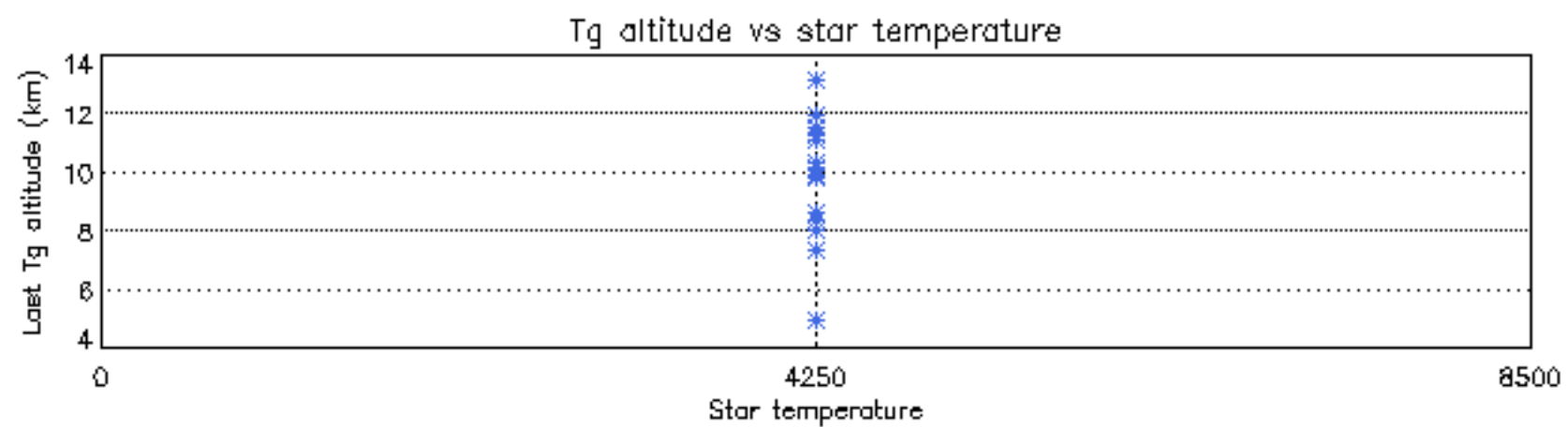
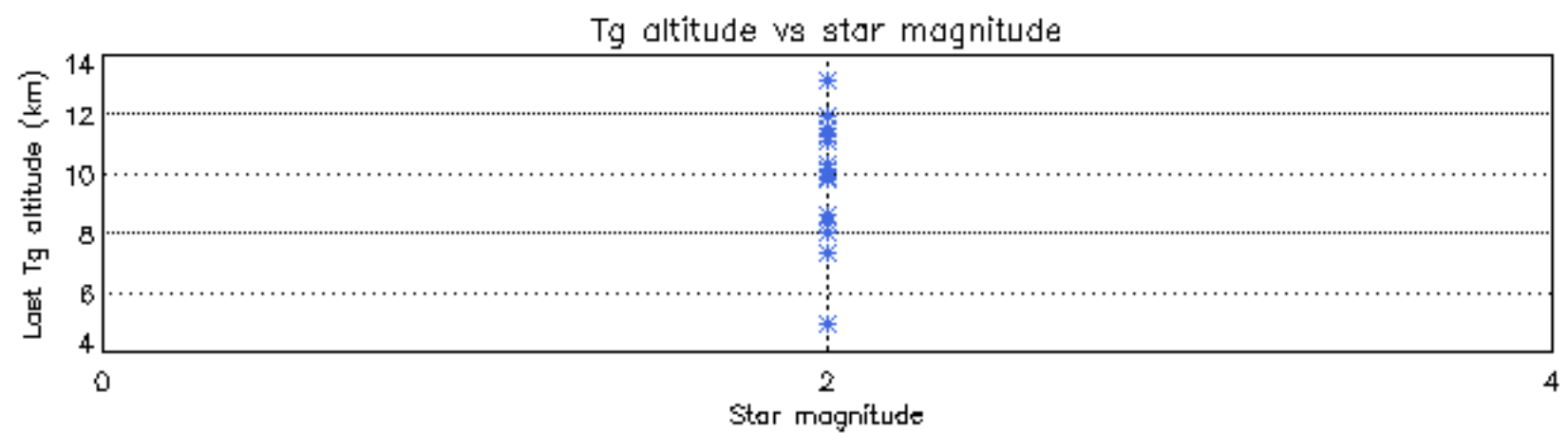
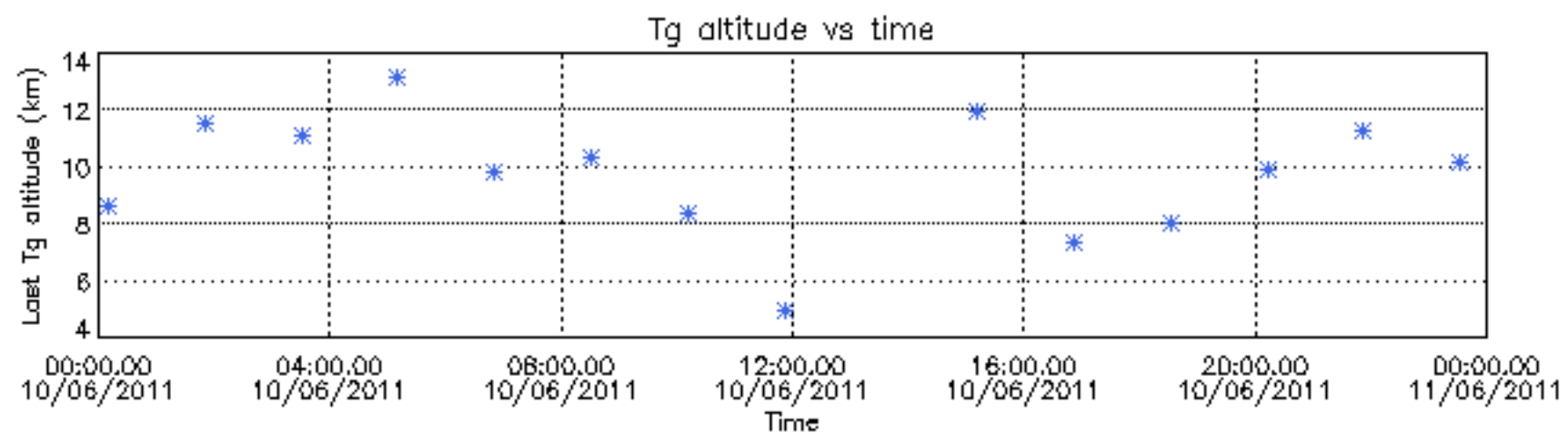
Tangent altitude at which the star is lost

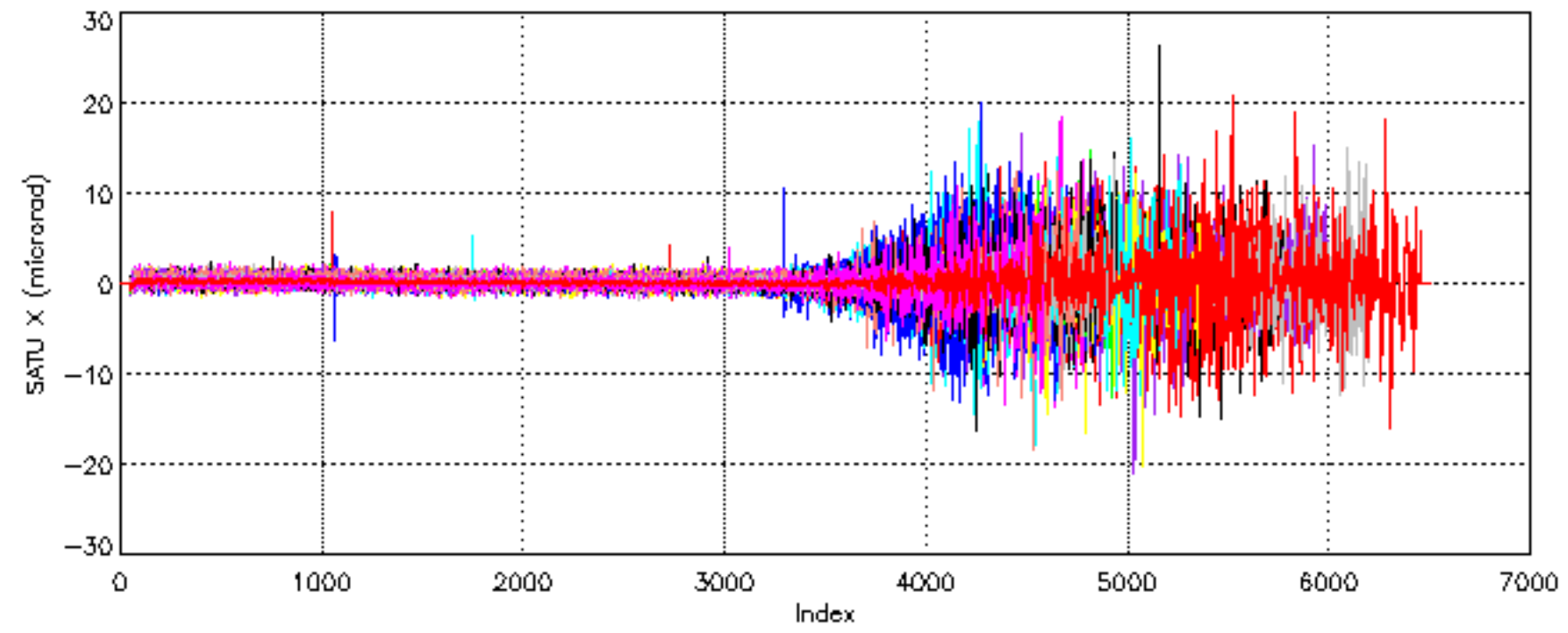


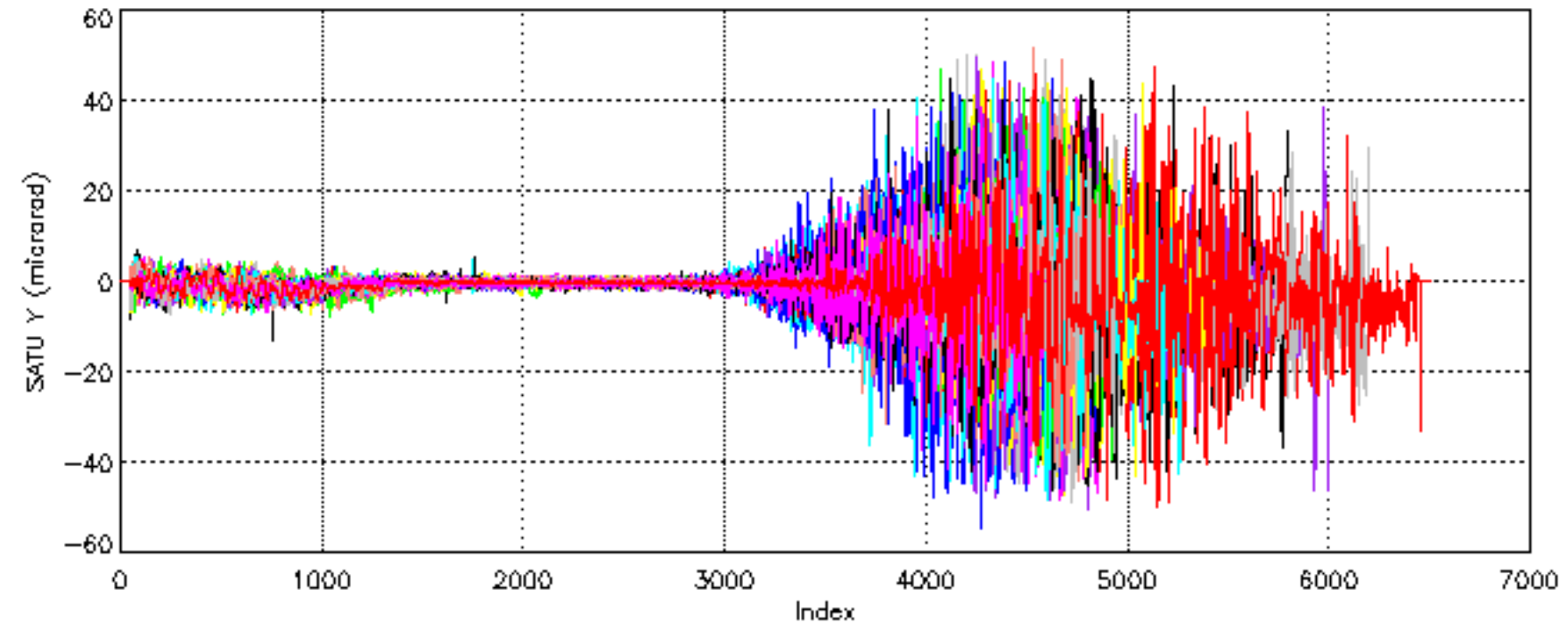
Tangent altitude at which the star is lost

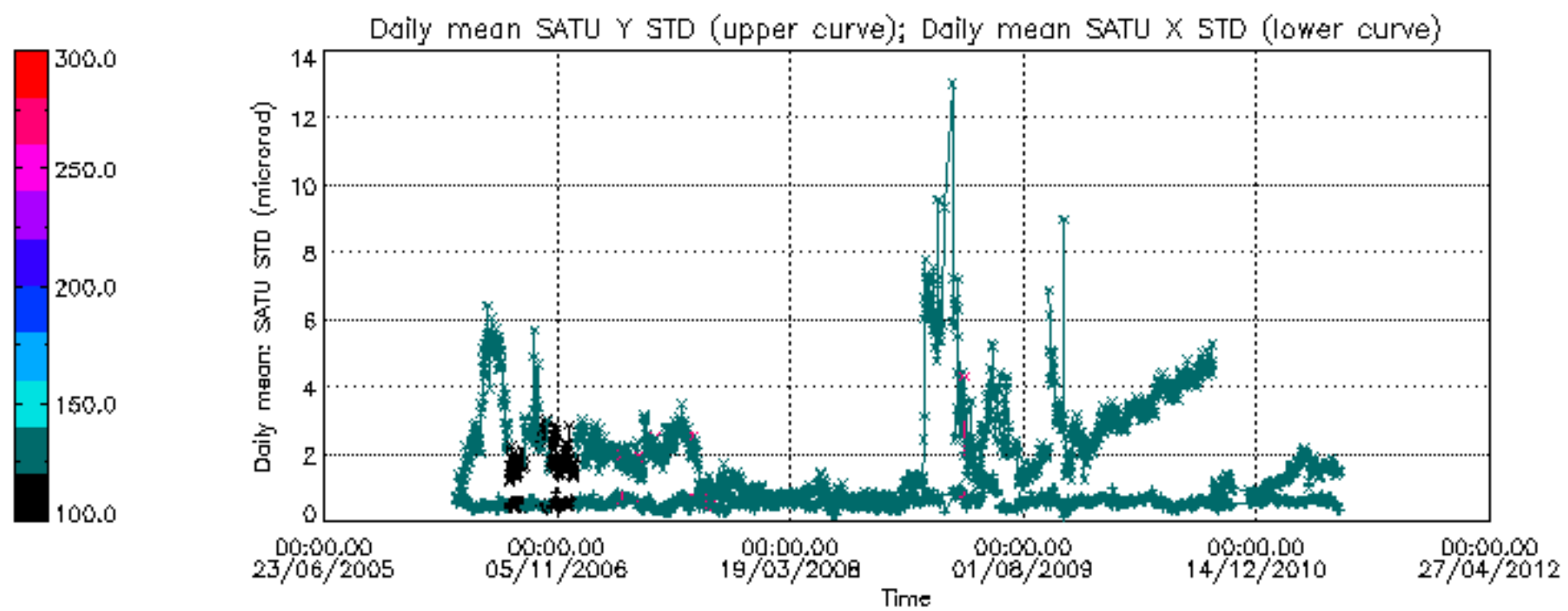


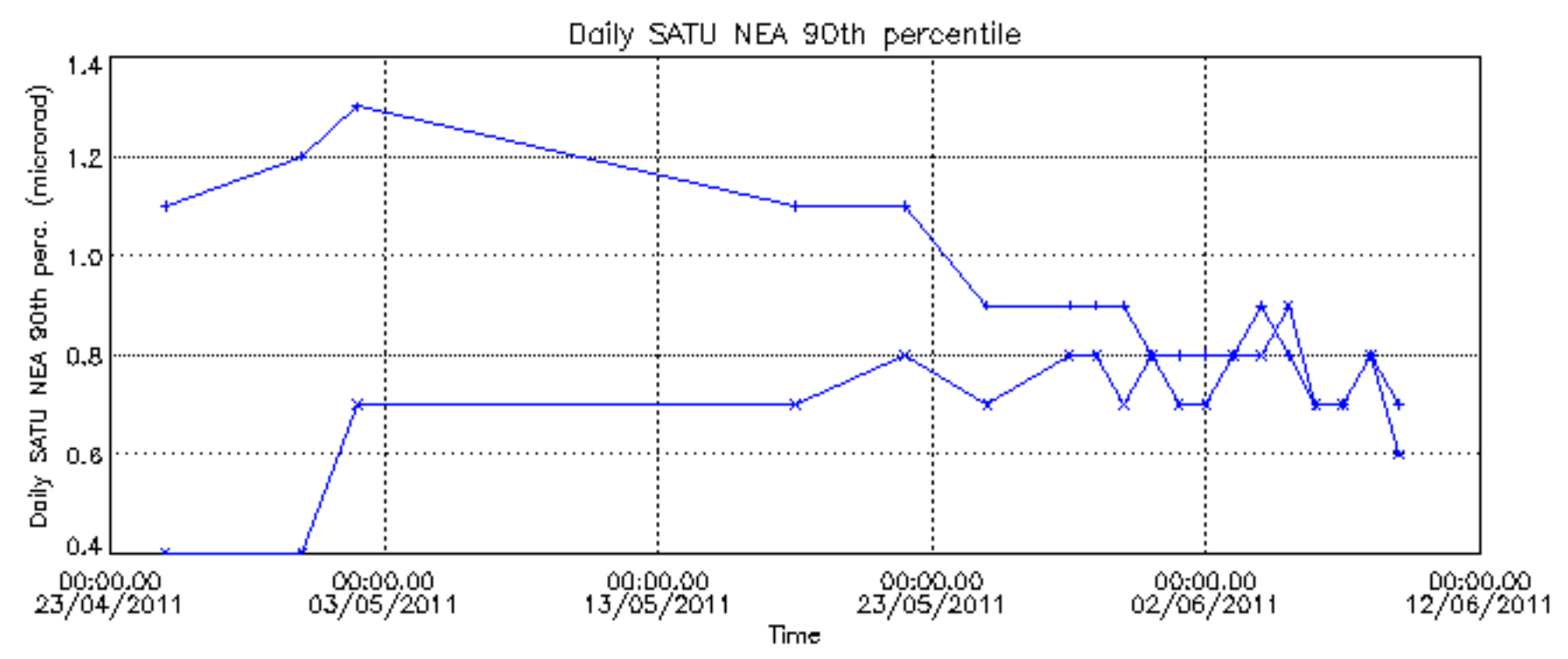
Tangent altitude at which the star is lost











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13; 5702.3; 24-JUN-2011 13:36:13; Dark ; 72.5; 52; 16Bet Cet ; 2.04; 4500;occ; 145; 0;48716
14; 6025.7; 24-JUN-2011 13:41:36; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;48717
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17; 6710.0; 24-JUN-2011 13:53:01; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48717
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3; 2680.7; 24-JUN-2011 14:26:05; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48717
4; 2809.5; 24-JUN-2011 14:28:14; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48717
5; 3379.8; 24-JUN-2011 14:37:45; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48717
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8; 4044.8; 24-JUN-2011 14:48:49; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;48717
9; 4248.1; 24-JUN-2011 14:52:13; Bright; 44.5; 73; 57Gam1And ; 2.26; 13100;occ; 89; 0;48717
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 11; 4393.5; 24-JUN-2011 16:34:52; Dark ; 50.0; 53; 43Bet And ; 2.05; 3300;occ; 100; 0;48718
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 6; 2679.5; 24-JUN-2011 17:46:32; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48719
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 12; 4248.1; 24-JUN-2011 18:12:41; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48719
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 17; 6028.6; 24-JUN-2011 18:42:21; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48720
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 15; 5420.4; 24-JUN-2011 20:12:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48720
 16; 5708.3; 24-JUN-2011 20:17:15; Dark ; 62.5; 52; 16Bet Cet ; 2.04; 4500;occ; 125; 0;48720
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5; 1326.8; 24-JUN-2011 22:24:42; Dark ; 56.0; 116; 19Del Sgr ; 2.70; 4100;occ; 112; 0;48722
6; 1454.3; 24-JUN-2011 22:26:49; Bright; 49.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 98; 0;48722
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13; 3375.4; 25-JUN-2011 00:39:04; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48723
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27; 7341.5; 25-JUN-2011 03:25:24; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48725
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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
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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
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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
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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
17; 7263.9; 26-JUN-2011 12:48:46; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48745
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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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3; 2664.2; 26-JUN-2011 13:12:21; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;48745
4; 2803.2; 26-JUN-2011 13:14:40; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48745
5; 3790.4; 26-JUN-2011 13:31:07; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;48745
6; 3887.5; 26-JUN-2011 13:32:44; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 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
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16; 6725.6; 26-JUN-2011 14:20:02; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48746
17; 7264.1; 26-JUN-2011 14:29:01; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48746
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
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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
7; 4044.1; 26-JUN-2011 15:15:34; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 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
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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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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
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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
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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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 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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 9; 3885.8; 26-JUN-2011 20:13:38; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48749
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12; 4397.9; 26-JUN-2011 20:22:10; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 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
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17; 6445.8; 26-JUN-2011 20:56:18; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 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
 6; 1251.6; 27-JUN-2011 00:30:26; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48752
 7; 1334.3; 27-JUN-2011 00:31:49; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48752
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11; 2659.9; 27-JUN-2011 00:53:54; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48752
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
14; 3786.9; 27-JUN-2011 01:12:41; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48752
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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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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5; 714.8; 27-JUN-2011 02:01:43; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;48753
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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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
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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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7; 3340.4; 28-JUN-2011 15:30:36; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48775
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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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 13; 4648.2; 28-JUN-2011 15:52:24; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48775
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 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
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 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
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 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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 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
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 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
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 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
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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
18; 4245.1; 29-JUN-2011 01:47:05; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48781
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
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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
11; 2644.0; 29-JUN-2011 03:00:38; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48782
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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 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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17; 2225.4; 29-JUN-2011 06:14:07; Bright; 46.0; 168; 17Zet Aql ; 2.99; 11000;occ; 92; 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
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6; 1303.8; 29-JUN-2011 22:41:06; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48794
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5; 2795.4; 29-JUN-2011 08:03:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48785
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 13; 5472.4; 29-JUN-2011 10:28:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48786
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 13; 4244.6; 29-JUN-2011 20:09:38; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48792
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4; 2636.0; 30-JUN-2011 07:24:28; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;48799
5; 2793.3; 30-JUN-2011 07:27:05; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48799
6; 2904.5; 30-JUN-2011 07:28:56; Bright; 54.0; 144; 18Del Cyg ; 2.86; 11000;occ; 108; 0;48799
7; 3324.1; 30-JUN-2011 07:35:56; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48799
8; 3763.5; 30-JUN-2011 07:43:15; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;48799
9; 3856.2; 30-JUN-2011 07:44:48; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;48799
10; 4042.0; 30-JUN-2011 07:47:54; Bright; 42.0; 160; 23Gam Per ; 2.93; 4700;occ; 84; 0;48799

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11; 4244.2; 30-JUN-2011 07:51:16; Bright; 50.5; 73; 57Gam1And ; 2.26; 13100;occ; 101; 0;48799
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 13; 4655.6; 30-JUN-2011 07:58:07; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48799
 14; 4954.2; 30-JUN-2011 08:03:06; Dark ; 50.0; 94; 92Alp Cet ; 2.53; 3100;occ; 100; 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
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 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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 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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 15; 4954.6; 30-JUN-2011 09:43:20; Dark ; 40.0; 94; 92Alp Cet ; 2.53; 3100;occ; 80; 0;48800
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 17; 6108.1; 30-JUN-2011 10:02:34; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;48801
 18; 6495.6; 30-JUN-2011 10:09:01; Dark ; 66.0; 63; Bet Gru ; 2.15; 2800;occ; 132; 0;48801
 19; 6611.5; 30-JUN-2011 10:10:57; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;48801
 20; 6753.2; 30-JUN-2011 10:13:19; Dark ; 45.5; 45; Alp Pav ; 1.94; 26000;occ; 91; 0;48801
 21; 7320.0; 30-JUN-2011 10:22:46; Dark ; 48.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 97; 0;48801
 22; 7484.6; 30-JUN-2011 10:25:30; Bright; 44.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 89; 0;48801

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 4; 2635.0; 30-JUN-2011 10:44:55; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48801
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 6; 2902.7; 30-JUN-2011 10:49:22; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;48801
 7; 3322.9; 30-JUN-2011 10:56:23; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;48801
 8; 3762.4; 30-JUN-2011 11:03:42; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48801
 9; 3855.7; 30-JUN-2011 11:05:15; Bright; 41.0; 110; 37Del Cas ; 2.68; 8900;occ; 82; 0;48801
 10; 4041.8; 30-JUN-2011 11:08:21; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48801
 11; 4145.1; 30-JUN-2011 11:10:05; Bright; 34.0; 175; 39Del Per ; 3.01; 19400;occ; 68; 0;48801
 12; 4244.0; 30-JUN-2011 11:11:44; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48801
 13; 4401.8; 30-JUN-2011 11:14:21; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48801
 14; 4656.2; 30-JUN-2011 11:18:36; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48801
 15; 4955.0; 30-JUN-2011 11:23:35; Dark ; 43.0; 94; 92Alp Cet ; 2.53; 3100;occ; 86; 0;48801
 16; 5485.4; 30-JUN-2011 11:32:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48801
 17; 6109.1; 30-JUN-2011 11:42:49; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48802
 18; 6496.5; 30-JUN-2011 11:49:16; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48802
 19; 6612.4; 30-JUN-2011 11:51:12; Dark ; 54.0; 31; Alp Gru ; 1.73; 15200;occ; 108; 0;48802
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 21; 7320.2; 30-JUN-2011 12:03:00; Dark ; 48.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 97; 0;48802
 22; 7484.7; 30-JUN-2011 12:05:44; Bright; 43.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 87; 0;48802

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 4; 2634.5; 30-JUN-2011 12:25:08; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;48802
 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

11;	4145.2;	30-JUN-2011	12:50:19;	Bright;	34.0;	175;	39Del Per	;	3.01;	19400;occ;	68;	0;48802	
12;	4243.9;	30-JUN-2011	12:51:57;	Bright;	47.0;	73;	57Gam1And	;	2.26;	13100;occ;	94;	0;48802	
13;	4402.0;	30-JUN-2011	12:54:36;	Dark	;	47.0;	173;	4Bet Tri	;	3.00;	8900;occ;	94;	0;48802
14;	4656.7;	30-JUN-2011	12:58:50;	Dark	;	56.0;	50;	13Alp Ari	;	2.01;	4250;occ;	112;	0;48802
15;	4955.4;	30-JUN-2011	13:03:49;	Dark	;	51.5;	94;	92Alp Cet	;	2.53;	3100;occ;	103;	0;48802
16;	5486.3;	30-JUN-2011	13:12:40;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;48802
17;	6110.1;	30-JUN-2011	13:23:04;	Dark	;	50.5;	84;	Alp Phe	;	2.40;	4500;occ;	101;	0;48803
18;	6497.5;	30-JUN-2011	13:29:31;	Dark	;	51.5;	63;	Bet Gru	;	2.15;	2800;occ;	103;	0;48803
19;	6613.3;	30-JUN-2011	13:31:27;	Dark	;	48.5;	31;	Alp Gru	;	1.73;	15200;occ;	97;	0;48803
20;	6754.2;	30-JUN-2011	13:33:48;	Dark	;	41.5;	45;	Alp Pav	;	1.94;	26000;occ;	83;	0;48803
21;	7320.6;	30-JUN-2011	13:43:14;	Dark	;	44.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	88;	0;48803
22;	7485.0;	30-JUN-2011	13:45:59;	Bright;	45.5;	155;	41Pi Sgr	;	2.90;	6600;occ;	91;	0;48803	
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1;	1969.8;	30-JUN-2011	13:54:17;	Bright;	38.0;	126;	60Bet Oph	;	2.77;	4250;occ;	76;	0;48803	
2;	2109.1;	30-JUN-2011	13:56:37;	Bright;	36.0;	59;	55Alp Oph	;	2.08;	8900;occ;	72;	0;48803	
3;	2215.2;	30-JUN-2011	13:58:23;	Bright;	48.5;	168;	17Zet Aql	;	2.99;	11000;occ;	97;	0;48803	
4;	2634.0;	30-JUN-2011	14:05:22;	Bright;	45.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	91;	0;48803	
5;	2792.8;	30-JUN-2011	14:08:00;	Bright;	38.5;	130;	23Bet Dra	;	2.80;	5800;occ;	77;	0;48803	
6;	2901.2;	30-JUN-2011	14:09:49;	Bright;	49.5;	144;	18Del Cyg	;	2.86;	11000;occ;	99;	0;48803	
7;	3321.6;	30-JUN-2011	14:16:49;	Bright;	43.5;	89;	5Alp Cep	;	2.45;	8000;occ;	87;	0;48803	
8;	3761.5;	30-JUN-2011	14:24:09;	Bright;	68.0;	74;	11Bet Cas	;	2.27;	6600;occ;	136;	0;48803	
9;	3855.1;	30-JUN-2011	14:25:43;	Bright;	56.0;	110;	37Del Cas	;	2.68;	8900;occ;	112;	0;48803	
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11;	4145.2;	30-JUN-2011	14:30:33;	Bright;	42.0;	175;	39Del Per	;	3.01;	19400;occ;	84;	0;48803	
12;	4243.9;	30-JUN-2011	14:32:11;	Bright;	47.5;	73;	57Gam1And	;	2.26;	13100;occ;	95;	0;48803	
13;	4402.1;	30-JUN-2011	14:34:50;	Dark	;	51.0;	173;	4Bet Tri	;	3.00;	8900;occ;	102;	0;48803
14;	4657.1;	30-JUN-2011	14:39:05;	Dark	;	59.0;	50;	13Alp Ari	;	2.01;	4250;occ;	118;	0;48803
15;	4955.9;	30-JUN-2011	14:44:03;	Dark	;	48.5;	94;	92Alp Cet	;	2.53;	3100;occ;	97;	0;48803
16;	5487.2;	30-JUN-2011	14:52:55;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;48803
17;	6111.2;	30-JUN-2011	15:03:19;	Dark	;	47.0;	84;	Alp Phe	;	2.40;	4500;occ;	94;	0;48804
18;	6498.5;	30-JUN-2011	15:09:46;	Dark	;	51.5;	63;	Bet Gru	;	2.15;	2800;occ;	103;	0;48804
19;	6614.2;	30-JUN-2011	15:11:42;	Dark	;	53.0;	31;	Alp Gru	;	1.73;	15200;occ;	106;	0;48804
20;	6754.7;	30-JUN-2011	15:14:02;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	0;48804
21;	7320.9;	30-JUN-2011	15:23:28;	Dark	;	40.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	81;	0;48804
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2;	1969.8;	30-JUN-2011	15:34:31;	Bright;	38.0;	126;	60Bet Oph	;	2.77;	4250;occ;	76;	0;48804	
3;	2109.0;	30-JUN-2011	15:36:51;	Bright;	39.5;	59;	55Alp Oph	;	2.08;	8900;occ;	79;	0;48804	
4;	2214.7;	30-JUN-2011	15:38:36;	Bright;	47.5;	168;	17Zet Aql	;	2.99;	11000;occ;	95;	0;48804	
5;	2633.5;	30-JUN-2011	15:45:35;	Bright;	43.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	86;	0;48804	
6;	2792.6;	30-JUN-2011	15:48:14;	Bright;	37.0;	130;	23Bet Dra	;	2.80;	5800;occ;	74;	0;48804	
7;	2900.4;	30-JUN-2011	15:50:02;	Bright;	46.5;	144;	18Del Cyg	;	2.86;	11000;occ;	93;	0;48804	
8;	3320.9;	30-JUN-2011	15:57:02;	Bright;	45.0;	89;	5Alp Cep	;	2.45;	8000;occ;	90;	0;48804	
9;	3761.0;	30-JUN-2011	16:04:22;	Bright;	47.0;	74;	11Bet Cas	;	2.27;	6600;occ;	94;	0;48804	
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11;	4041.8;	30-JUN-2011	16:09:03;	Bright;	56.0;	160;	23Gam Per	;	2.93;	4700;occ;	112;	0;48804	
12;	4145.3;	30-JUN-2011	16:10:47;	Bright;	33.5;	175;	39Del Per	;	3.01;	19400;occ;	67;	0;48804	
13;	4243.8;	30-JUN-2011	16:12:25;	Bright;	48.0;	73;	57Gam1And	;	2.26;	13100;occ;	96;	0;48804	
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15;	4657.4;	30-JUN-2011	16:19:19;	Dark	;	57.0;	50;	13Alp Ari	;	2.01;	4250;occ;	114;	0;48804
16;	4956.3;	30-JUN-2011	16:24:18;	Dark	;	49.5;	94;	92Alp Cet	;	2.53;	3100;occ;	99;	0;48804
17;	5488.2;	30-JUN-2011	16:33:10;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;48804
18;	6112.3;	30-JUN-2011	16:43:34;	Dark	;	50.0;	84;	Alp Phe	;	2.40;	4500;occ;	100;	0;48805
19;	6499.6;	30-JUN-2011	16:50:01;	Dark	;	49.5;	63;	Bet Gru	;	2.15;	2800;occ;	99;	0;48805
20;	6615.3;	30-JUN-2011	16:51:57;	Dark	;	50.0;	31;	Alp Gru	;	1.73;	15200;occ;	100;	0;48805
21;	6755.2;	30-JUN-2011	16:54:17;	Dark	;	41.5;	45;	Alp Pav	;	1.94;	26000;occ;	83;	0;48805
22;	7321.3;	30-JUN-2011	17:03:43;	Dark	;	46.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	93;	0;48805
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3;	2109.0;	30-JUN-2011	17:17:05;	Bright;	36.5;	59;	55Alp Oph	;	2.08;	8900;occ;	73;	0;48805	
4;	2214.1;	30-JUN-2011	17:18:50;	Bright;	47.0;	168;	17Zet Aql	;	2.99;	11000;occ;	94;	0;48805	
5;	2633.0;	30-JUN-2011	17:25:49;	Bright;	47.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	95;	0;48805	
6;	2792.5;	30-JUN-2011	17:28:28;	Bright;	38.0;	130;	23Bet Dra	;	2.80;	5800;occ;	76;	0;48805	
7;	2899.6;	30-JUN-2011	17:30:15;	Bright;	47.5;	144;	18Del Cyg	;	2.86;	11000;occ;	95;	0;48805	
8;	3320.3;	30-JUN-2011	17:37:16;	Bright;	44.5;	89;	5Alp Cep	;	2.45;	8000;occ;	89;	0;48805	
9;	3760.4;	30-JUN-2011	17:44:36;	Bright;	68.0;	74;	11Bet Cas	;	2.27;	6600;occ;	136;	0;48805	
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13; 4243.7; 30-JUN-2011 17:52:39; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48805
14; 4402.2; 30-JUN-2011 17:55:18; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48805
15; 4657.7; 30-JUN-2011 17:59:33; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;48805
16; 4956.7; 30-JUN-2011 18:04:32; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48805
17; 5489.1; 30-JUN-2011 18:13:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48805
18; 6113.3; 30-JUN-2011 18:23:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48806
19; 6500.5; 30-JUN-2011 18:30:16; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;48806
20; 6616.1; 30-JUN-2011 18:32:12; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48806
21; 6755.7; 30-JUN-2011 18:34:31; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48806
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 2; 1471.7; 30-JUN-2011 18:46:41; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48806
 3; 1969.8; 30-JUN-2011 18:54:59; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48806
 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
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16; 4658.1; 30-JUN-2011 19:39:48; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;48806
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22; 6756.1; 30-JUN-2011 20:14:46; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48807

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