

GOMOS Daily Report 12-SEP-2011

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

[2. Summary of products arrived in PCF \(Product Control Facility\)](#)

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

[3. Plot of Spectrometers and Photometers temperatures](#)

[4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

[5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

[6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

[7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

[Level 2 products](#)

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	15SEP2011 07:01:20
Data source version	GOMOS/6.01
Start time of products	12SEP2011 20:00:16
Stop time of products	12SEP2011 23:50:33
Store outputs in DB	Yes
Nb of level 1b prods	25
Nb of prods with errors	0

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

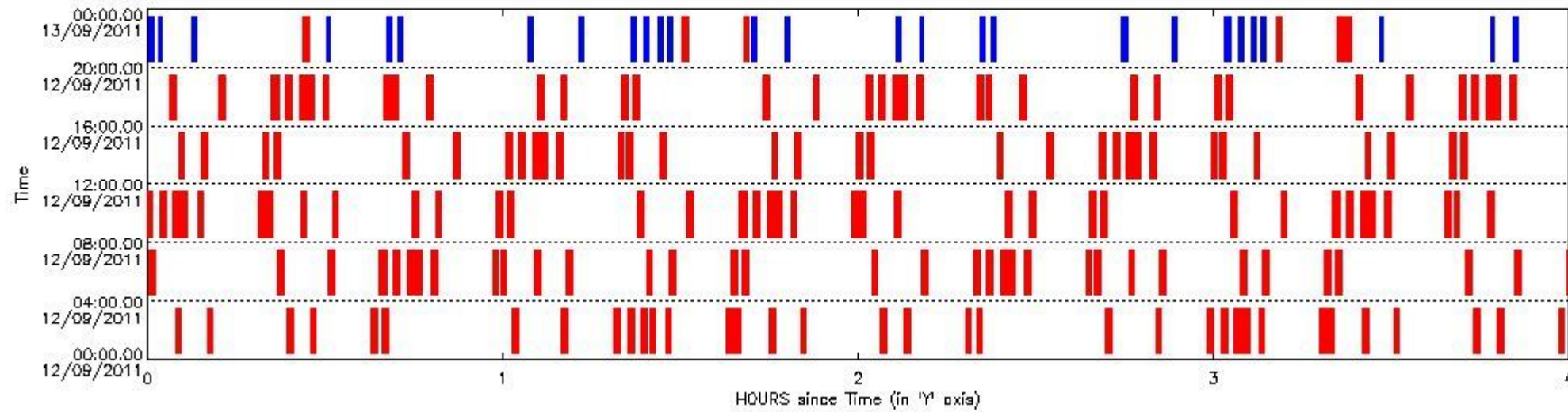
2.1 Level 0 products arrived in PCF (see template [here](#))

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
12-SEP-2011 00:04:37	AlpPhe	84	49858
12-SEP-2011 00:09:58	24AlpPsA	18	49858
12-SEP-2011 00:23:31	54AlpPeg	90	49858
12-SEP-2011 00:27:26	53BetPeg	93	49858
12-SEP-2011 00:37:46	11BetCas	74	49858
12-SEP-2011 00:39:38	27GamCas	76	49858
12-SEP-2011 01:01:29	66AlpGem	24	49858
12-SEP-2011 01:09:54	10AlpCMi	8	49858
12-SEP-2011 01:18:37	9AlpCMa	1	49858
12-SEP-2011 01:20:59	21EpsCMa	23	49858
12-SEP-2011 01:23:15	1ZetCMa	177	49858
12-SEP-2011 01:24:43	DSA1059	0	49858
12-SEP-2011 01:27:23	AlpCar	2	49858
12-SEP-2011 01:37:41	AlpHyi	143	49859
12-SEP-2011 01:39:05	AlpEri	9	49859

12-SEP-2011 01:44:51	AlpPhe	84	49859
12-SEP-2011 01:50:12	24AlpPsA	18	49859
12-SEP-2011 02:03:44	54AlpPeg	90	49859
12-SEP-2011 02:07:39	53BetPeg	93	49859
12-SEP-2011 02:18:00	11BetCas	74	49859
12-SEP-2011 02:19:51	27GamCas	76	49859
12-SEP-2011 02:41:44	66AlpGem	24	49859
12-SEP-2011 02:50:08	10AlpCMi	8	49859
12-SEP-2011 02:58:52	9AlpCMa	1	49859
12-SEP-2011 03:01:14	21EpsCMa	23	49859
12-SEP-2011 03:03:30	1ZetCMa	177	49859
12-SEP-2011 03:04:58	DSA1059	0	49859
12-SEP-2011 03:07:37	AlpCar	2	49859
12-SEP-2011 03:17:55	AlpHyi	143	49860
12-SEP-2011 03:19:20	AlpEri	9	49860
12-SEP-2011 03:25:06	AlpPhe	84	49860
12-SEP-2011 03:30:26	24AlpPsA	18	49860
12-SEP-2011 03:43:58	54AlpPeg	90	49860
12-SEP-2011 03:47:53	53BetPeg	93	49860
12-SEP-2011 03:58:13	11BetCas	74	49860
12-SEP-2011 04:00:05	27GamCas	76	49860
12-SEP-2011 04:21:58	66AlpGem	24	49860
12-SEP-2011 04:30:23	10AlpCMi	8	49860
12-SEP-2011 04:39:07	9AlpCMa	1	49860
12-SEP-2011 04:41:28	21EpsCMa	23	49860
12-SEP-2011 04:43:45	1ZetCMa	177	49860
12-SEP-2011 04:45:13	DSA1059	0	49860
12-SEP-2011 04:47:52	AlpCar	2	49860
12-SEP-2011 04:58:10	AlpHyi	143	49861
12-SEP-2011 04:59:34	AlpEri	9	49861
12-SEP-2011 05:05:20	AlpPhe	84	49861
12-SEP-2011 05:10:40	24AlpPsA	18	49861
12-SEP-2011 05:24:12	54AlpPeg	90	49861
12-SEP-2011 05:28:07	53BetPeg	93	49861
12-SEP-2011 05:38:27	11BetCas	74	49861
12-SEP-2011 05:40:18	27GamCas	76	49861
12-SEP-2011 06:02:12	66AlpGem	24	49861
12-SEP-2011 06:10:37	10AlpCMi	8	49861
12-SEP-2011 06:19:22	9AlpCMa	1	49861
12-SEP-2011 06:21:43	21EpsCMa	23	49861
12-SEP-2011 06:24:00	1ZetCMa	177	49861
12-SEP-2011 06:25:27	DSA1059	0	49861
12-SEP-2011 06:28:06	AlpCar	2	49861
12-SEP-2011 06:38:24	AlpHyi	143	49862
12-SEP-2011 06:39:48	AlpEri	9	49862
12-SEP-2011 06:45:35	AlpPhe	84	49862
12-SEP-2011 06:50:55	24AlpPsA	18	49862
12-SEP-2011 07:04:26	54AlpPeg	90	49862
12-SEP-2011 07:08:20	53BetPeg	93	49862
12-SEP-2011 07:18:40	11BetCas	74	49862
12-SEP-2011 07:20:31	27GamCas	76	49862
12-SEP-2011 07:42:26	66AlpGem	24	49862
12-SEP-2011 07:50:51	10AlpCMi	8	49862
12-SEP-2011 07:59:37	9AlpCMa	1	49862
12-SEP-2011 08:01:58	21EpsCMa	23	49862
12-SEP-2011 08:04:15	1ZetCMa	177	49862
12-SEP-2011 08:05:42	DSA1059	0	49862
12-SEP-2011 08:08:21	AlpCar	2	49862
12-SEP-2011 08:18:39	AlpHyi	143	49863

12-SEP-2011 08:20:03	AlpEri	9	49863
12-SEP-2011 08:25:49	AlpPhe	84	49863
12-SEP-2011 08:31:09	24AlpPsA	18	49863
12-SEP-2011 08:44:39	54AlpPeg	90	49863
12-SEP-2011 08:48:34	53BetPeg	93	49863
12-SEP-2011 08:58:54	11BetCas	74	49863
12-SEP-2011 09:00:45	27GamCas	76	49863
12-SEP-2011 09:22:40	66AlpGem	24	49863
12-SEP-2011 09:31:06	10AlpCMi	8	49863
12-SEP-2011 09:39:52	9AlpCMa	1	49863
12-SEP-2011 09:42:13	21EpsCMa	23	49863
12-SEP-2011 09:44:30	1ZetCMa	177	49863
12-SEP-2011 09:45:57	DSA1059	0	49863
12-SEP-2011 09:48:35	AlpCar	2	49863
12-SEP-2011 09:58:53	AlpHyi	143	49864
12-SEP-2011 10:00:17	AlpEri	9	49864
12-SEP-2011 10:06:03	AlpPhe	84	49864
12-SEP-2011 10:24:53	54AlpPeg	90	49864
12-SEP-2011 10:28:48	53BetPeg	93	49864
12-SEP-2011 10:39:07	11BetCas	74	49864
12-SEP-2011 10:40:58	27GamCas	76	49864
12-SEP-2011 11:02:54	66AlpGem	24	49864
12-SEP-2011 11:11:20	10AlpCMi	8	49864
12-SEP-2011 11:20:07	9AlpCMa	1	49864
12-SEP-2011 11:22:27	21EpsCMa	23	49864
12-SEP-2011 11:24:45	1ZetCMa	177	49864
12-SEP-2011 11:26:12	DSA1059	0	49864
12-SEP-2011 11:28:50	AlpCar	2	49864
12-SEP-2011 11:39:08	AlpHyi	143	49865
12-SEP-2011 11:40:32	AlpEri	9	49865
12-SEP-2011 11:46:18	AlpPhe	84	49865
12-SEP-2011 12:05:07	54AlpPeg	90	49865
12-SEP-2011 12:09:01	53BetPeg	93	49865
12-SEP-2011 12:19:21	11BetCas	74	49865
12-SEP-2011 12:21:12	27GamCas	76	49865
12-SEP-2011 12:43:08	66AlpGem	24	49865
12-SEP-2011 12:51:35	10AlpCMi	8	49865
12-SEP-2011 13:00:22	9AlpCMa	1	49865
12-SEP-2011 13:02:42	21EpsCMa	23	49865
12-SEP-2011 13:05:00	1ZetCMa	177	49865
12-SEP-2011 13:06:27	DSA1059	0	49865
12-SEP-2011 13:09:05	AlpCar	2	49865
12-SEP-2011 13:19:22	AlpHyi	143	49866
12-SEP-2011 13:20:46	AlpEri	9	49866
12-SEP-2011 13:26:32	AlpPhe	84	49866
12-SEP-2011 13:45:21	54AlpPeg	90	49866
12-SEP-2011 13:49:15	53BetPeg	93	49866
12-SEP-2011 13:59:34	11BetCas	74	49866
12-SEP-2011 14:01:25	27GamCas	76	49866
12-SEP-2011 14:23:22	66AlpGem	24	49866
12-SEP-2011 14:31:49	10AlpCMi	8	49866
12-SEP-2011 14:40:37	9AlpCMa	1	49866
12-SEP-2011 14:42:57	21EpsCMa	23	49866
12-SEP-2011 14:45:15	1ZetCMa	177	49866
12-SEP-2011 14:46:42	DSA1059	0	49866
12-SEP-2011 14:49:19	AlpCar	2	49866
12-SEP-2011 14:59:37	AlpHyi	143	49867
12-SEP-2011 15:01:01	AlpEri	9	49867
12-SEP-2011 15:06:47	AlpPhe	84	49867

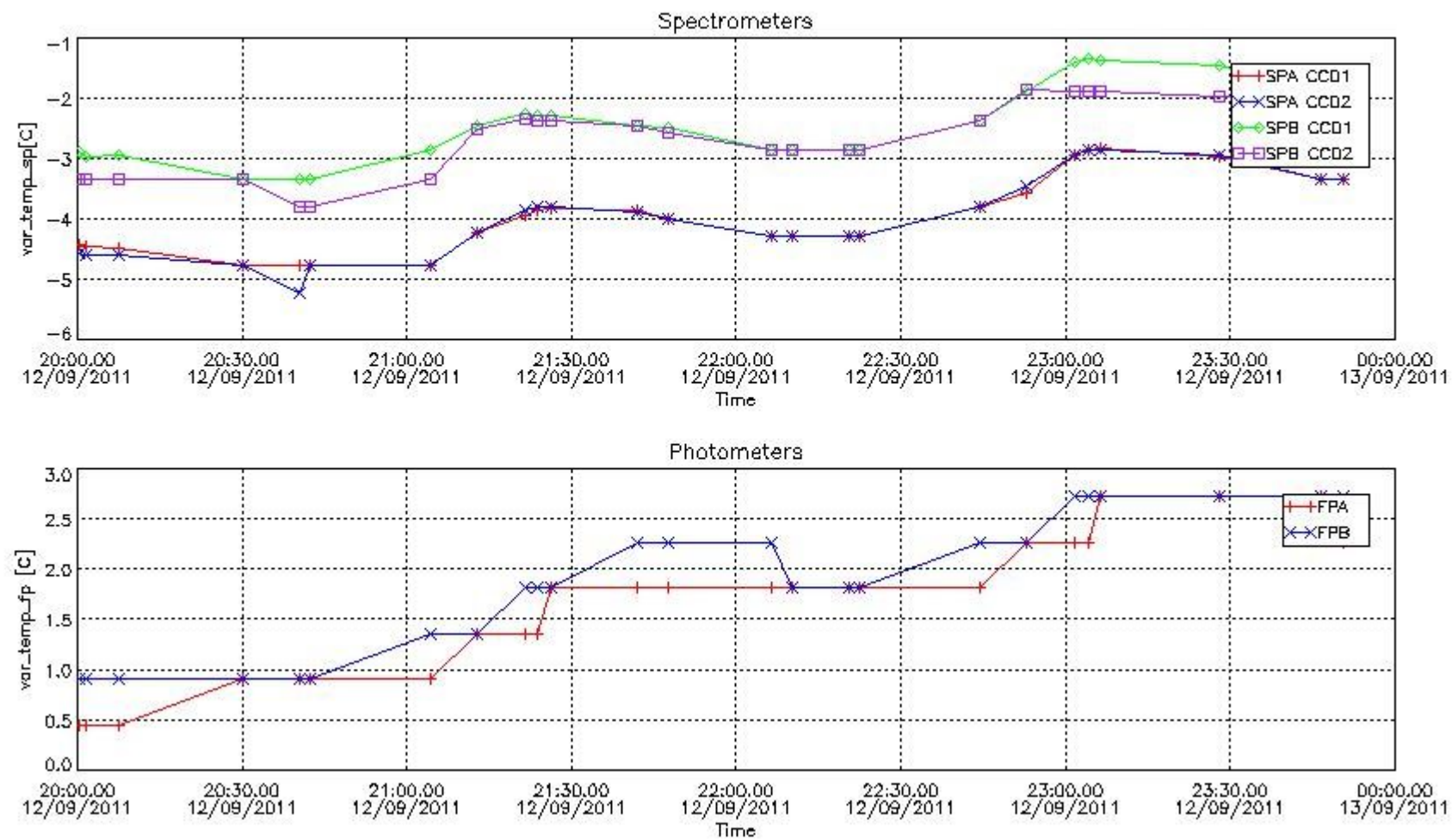
12-SEP-2011 15:25:34	54AlpPeg	90	49867
12-SEP-2011 15:29:29	53BetPeg	93	49867
12-SEP-2011 15:39:48	11BetCas	74	49867
12-SEP-2011 15:41:38	27GamCas	76	49867
12-SEP-2011 16:03:36	66AlpGem	24	49867
12-SEP-2011 16:12:04	10AlpCMi	8	49867
12-SEP-2011 16:20:52	9AlpCMa	1	49867
12-SEP-2011 16:23:12	21EpsCMa	23	49867
12-SEP-2011 16:25:30	1ZetCMa	177	49867
12-SEP-2011 16:26:57	DSA1059	0	49867
12-SEP-2011 16:29:34	AlpCar	2	49867
12-SEP-2011 16:39:51	AlpHyi	143	49868
12-SEP-2011 16:41:15	AlpEri	9	49868
12-SEP-2011 16:47:01	AlpPhe	84	49868
12-SEP-2011 17:05:48	54AlpPeg	90	49868
12-SEP-2011 17:09:42	53BetPeg	93	49868
12-SEP-2011 17:20:01	11BetCas	74	49868
12-SEP-2011 17:21:52	27GamCas	76	49868
12-SEP-2011 17:43:50	66AlpGem	24	49868
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12-SEP-2011 18:01:07	9AlpCMa	1	49868
12-SEP-2011 18:03:26	21EpsCMa	23	49868
12-SEP-2011 18:05:45	1ZetCMa	177	49868
12-SEP-2011 18:07:11	DSA1059	0	49868
12-SEP-2011 18:09:48	AlpCar	2	49868
12-SEP-2011 18:20:06	AlpHyi	143	49869
12-SEP-2011 18:21:30	AlpEri	9	49869
12-SEP-2011 18:27:15	AlpPhe	84	49869
12-SEP-2011 18:46:02	54AlpPeg	90	49869
12-SEP-2011 18:49:56	53BetPeg	93	49869
12-SEP-2011 19:00:15	11BetCas	74	49869
12-SEP-2011 19:02:05	27GamCas	76	49869
12-SEP-2011 19:24:05	66AlpGem	24	49869
12-SEP-2011 19:32:33	10AlpCMi	8	49869
12-SEP-2011 19:41:21	9AlpCMa	1	49869
12-SEP-2011 19:43:41	21EpsCMa	23	49869
12-SEP-2011 19:46:00	1ZetCMa	177	49869
12-SEP-2011 19:47:26	DSA1059	0	49869
12-SEP-2011 19:50:03	AlpCar	2	49869
12-SEP-2011 20:26:16	54AlpPeg	90	49870
12-SEP-2011 21:30:17	AlpCar	2	49870
12-SEP-2011 21:40:35	AlpHyi	143	49871
12-SEP-2011 23:10:32	AlpCar	2	49871
12-SEP-2011 23:20:49	AlpHyi	143	49872
12-SEP-2011 23:22:13	AlpEri	9	49872

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_1PNPDK20110912_200016_000000413106_00287_49870_4053.N1	12-SEP-2011 20:00:16	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	49870	No
2	GOM_TRA_1PNPDK20110912_200140_000000433106_00287_49870_4054.N1	12-SEP-2011 20:01:40	Dark	43.000	9	Alp Eri	0.45300	24000.	86	49870	No
3	GOM_TRA_1PNPDE20110912_200726_000000483106_00287_49870_6266.N1	12-SEP-2011 20:07:26	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	49870	No
4	GOM_TRA_1PNPDE20110912_203006_000000403106_00287_49870_6267.N1	12-SEP-2011 20:30:06	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	49870	No
5	GOM_TRA_1PNPDE20110912_204024_000000423106_00287_49870_6268.N1	12-SEP-2011 20:40:24	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	49870	No
6	GOM_TRA_1PNPDE20110912_204215_000000433106_00287_49870_6269.N1	12-SEP-2011 20:42:15	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	49870	No
7	GOM_TRA_1PNPDE20110912_210415_000000433106_00287_49870_6270.N1	12-SEP-2011 21:04:15	Bright	43.000	24	66Alp Gem	1.5800	10200.	86	49870	No
8	GOM_TRA_1PNPDE20110912_211243_000000473106_00287_49870_6300.N1	12-SEP-2011 21:12:43	Twilight	46.500	8	10Alp CMi	0.40000	6500.0	93	49870	No
9	GOM_TRA_1PNPDE20110912_212132_000000593106_00287_49870_6301.N1	12-SEP-2011 21:21:32	Dark	59.000	1	9Alp CMa	-1.4400	11000.	118	49870	No

10	GOM_TRA_1PNPDE20110912_212352_000000463106_00287_49870_6302.N1	12-SEP-2011 21:23:52	Dark	45.500	23	21Eps CMa	1.5020	26000.	91	49870	No
11	GOM_TRA_1PNPDE20110912_212611_000000463106_00287_49870_6303.N1	12-SEP-2011 21:26:11	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	49870	No
12	GOM_TRA_1PNPDE20110912_214155_000000523106_00288_49871_6304.N1	12-SEP-2011 21:41:55	Dark	52.000	9	Alp Eri	0.45300	24000.	104	49871	No
13	GOM_TRA_1PNPDE20110912_214740_000000473106_00288_49871_6305.N1	12-SEP-2011 21:47:40	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	49871	No
14	GOM_TRA_1PNPDE20110912_220626_000000413106_00288_49871_6306.N1	12-SEP-2011 22:06:26	Bright	41.000	90	54Alp Peg	2.4870	11000.	82	49871	No
15	GOM_TRA_1PNPDE20110912_221019_000000423106_00288_49871_6307.N1	12-SEP-2011 22:10:19	Bright	41.500	93	53Bet Peg	2.5200	3100.0	83	49871	No
16	GOM_TRA_1PNPDE20110912_222038_000000403106_00288_49871_6308.N1	12-SEP-2011 22:20:38	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	49871	No
17	GOM_TRA_1PNPDE20110912_222228_000000453106_00288_49871_6309.N1	12-SEP-2011 22:22:28	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	49871	No
18	GOM_TRA_1PNPDE20110912_224429_000000613106_00288_49871_6310.N1	12-SEP-2011 22:44:29	Bright	61.000	24	66Alp Gem	1.5800	10200.	122	49871	No
19	GOM_TRA_1PNPDE20110912_225257_000000553106_00288_49871_6311.N1	12-SEP-2011 22:52:57	Twilight	55.000	8	10Alp CMi	0.40000	6500.0	110	49871	No
20	GOM_TRA_1PNPDE20110912_230147_000000603106_00288_49871_6340.N1	12-SEP-2011 23:01:47	Dark	60.000	1	9Alp CMa	-1.4400	11000.	120	49871	No
21	GOM_TRA_1PNPDE20110912_230407_000000463106_00288_49871_6341.N1	12-SEP-2011 23:04:07	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	49871	No
22	GOM_TRA_1PNPDE20110912_230626_000000483106_00288_49871_6342.N1	12-SEP-2011 23:06:26	Dark	47.500	177	1Zet CMa	3.0220	26000.	95	49871	No
23	GOM_TRA_1PNPDE20110912_232754_000000453106_00289_49872_6343.N1	12-SEP-2011 23:27:54	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	49872	No
24	GOM_TRA_1PNPDE20110912_234639_000000403106_00289_49872_6344.N1	12-SEP-2011 23:46:39	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	49872	No
25	GOM_TRA_1PNPDE20110912_235033_000000433106_00289_49872_6345.N1	12-SEP-2011 23:50:33	Bright	42.500	93	53Bet Peg	2.5200	3100.0	85	49872	No

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



4. Overview of dark signal processing per product

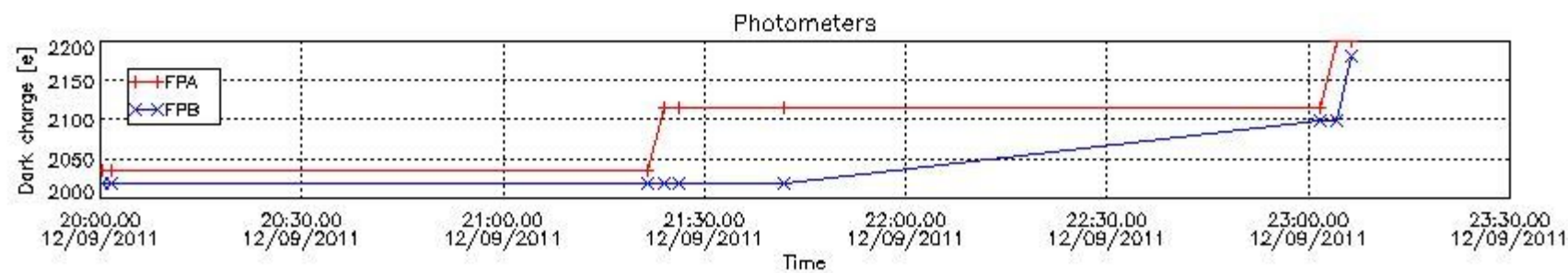
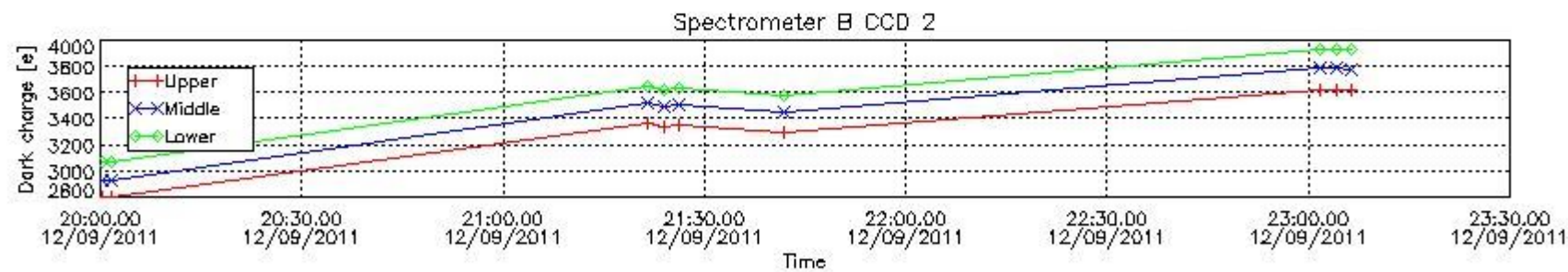
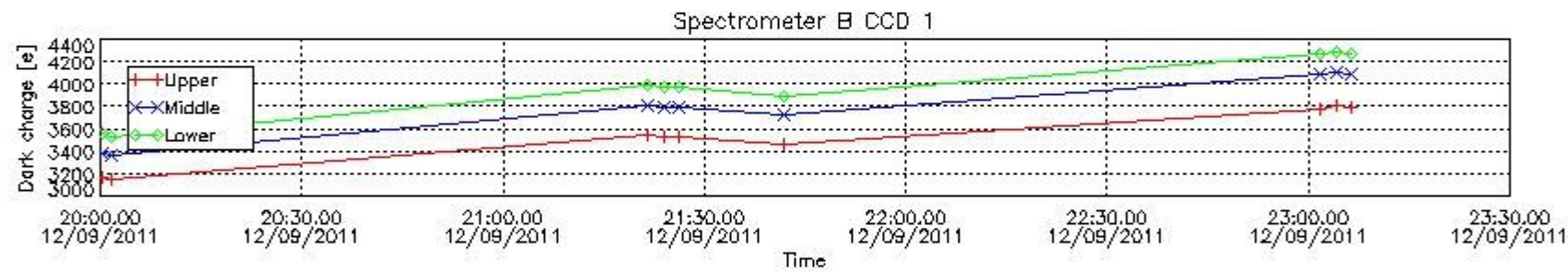
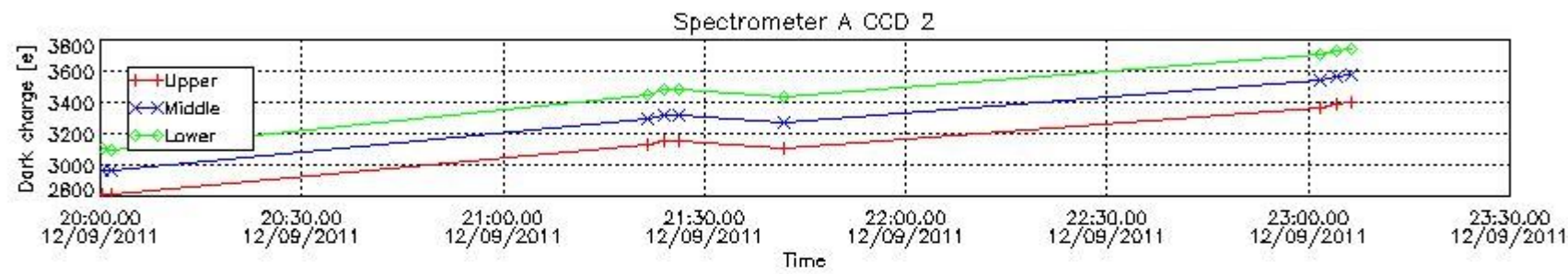
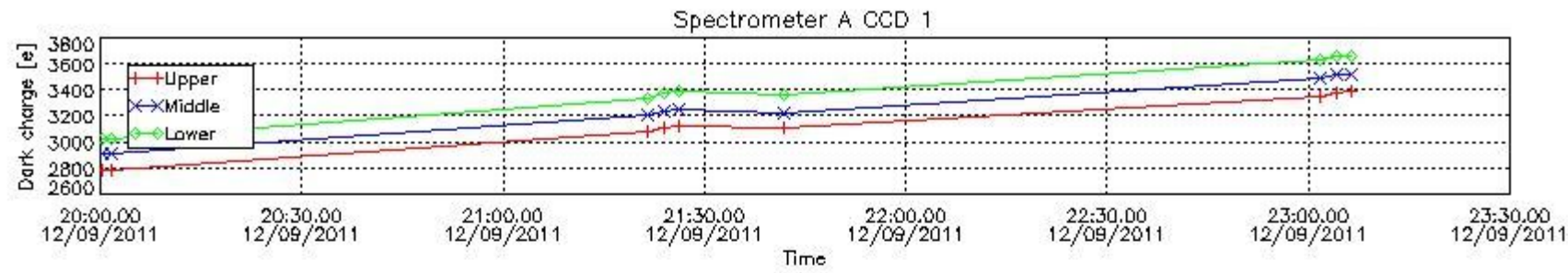
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDK20110912_200016_000000413106_00287_49870_4053.N1	DC map used
GOM_TRA_1PNPDK20110912_200140_000000433106_00287_49870_4054.N1	DC map used
GOM_TRA_1PNPDE20110912_200726_000000483106_00287_49870_6266.N1	DC map used
GOM_TRA_1PNPDE20110912_203006_000000403106_00287_49870_6267.N1	DC map used
GOM_TRA_1PNPDE20110912_204024_000000423106_00287_49870_6268.N1	DC map used
GOM_TRA_1PNPDE20110912_204215_000000433106_00287_49870_6269.N1	DC map used
GOM_TRA_1PNPDE20110912_210415_000000433106_00287_49870_6270.N1	DC map used

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



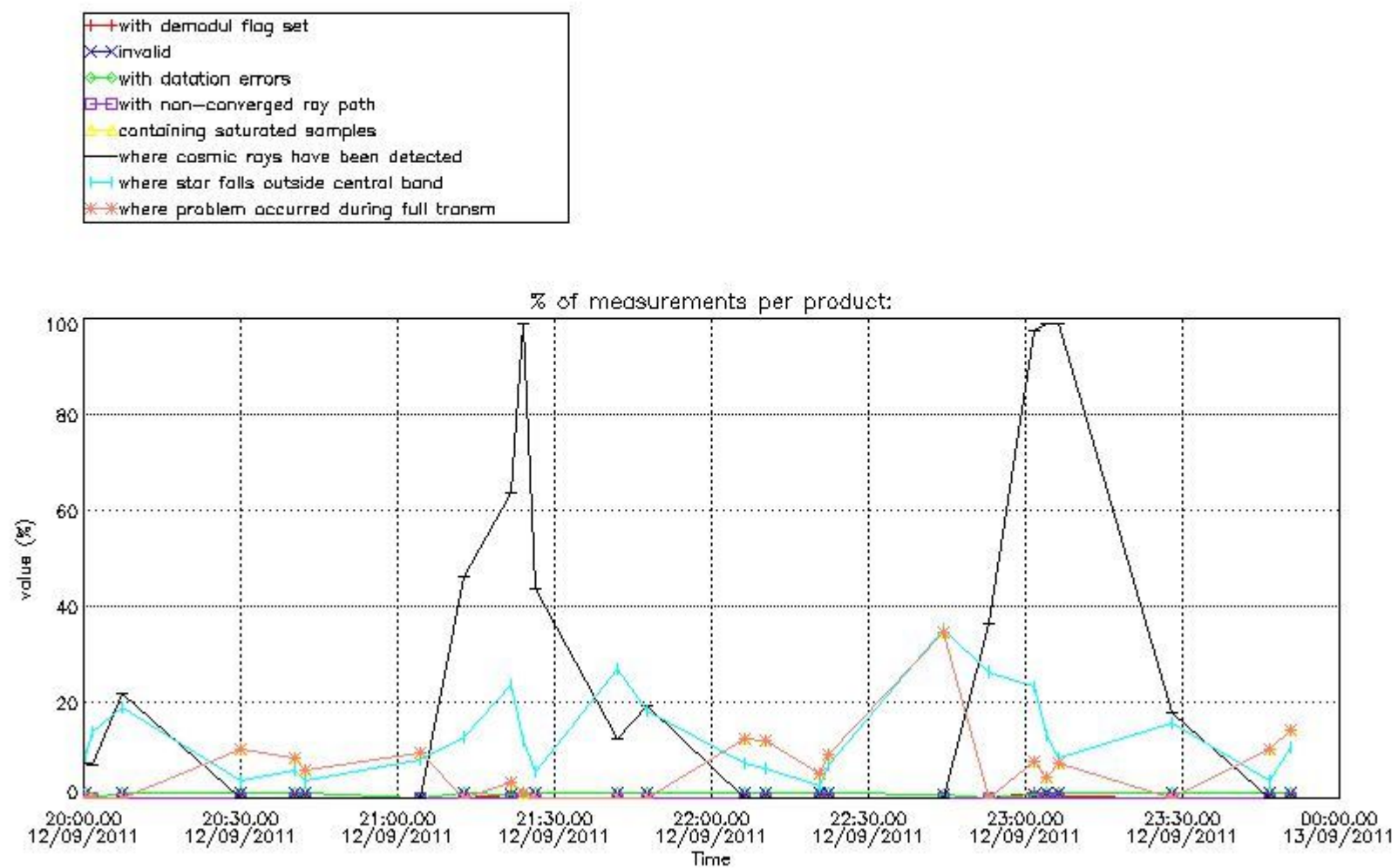
5. Demodulation flag and quality information monitoring

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.

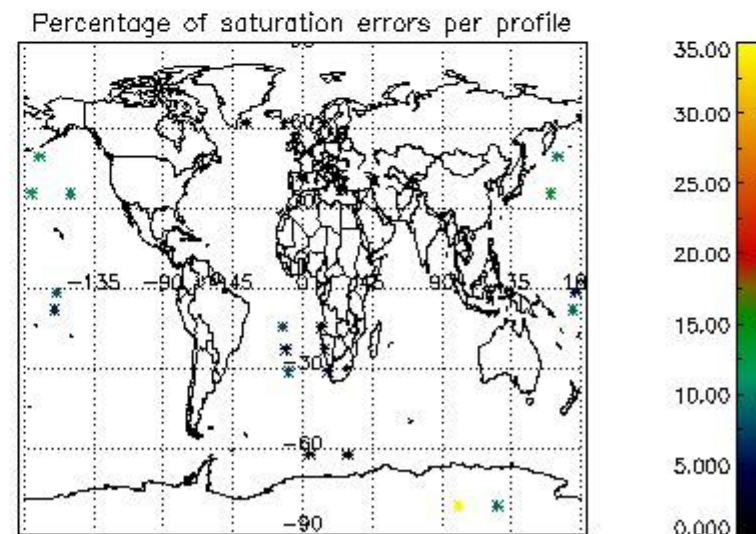
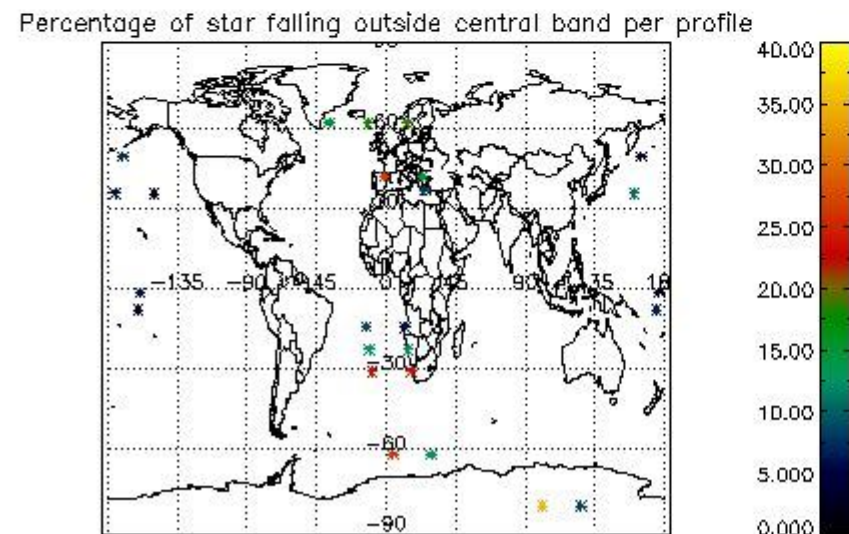
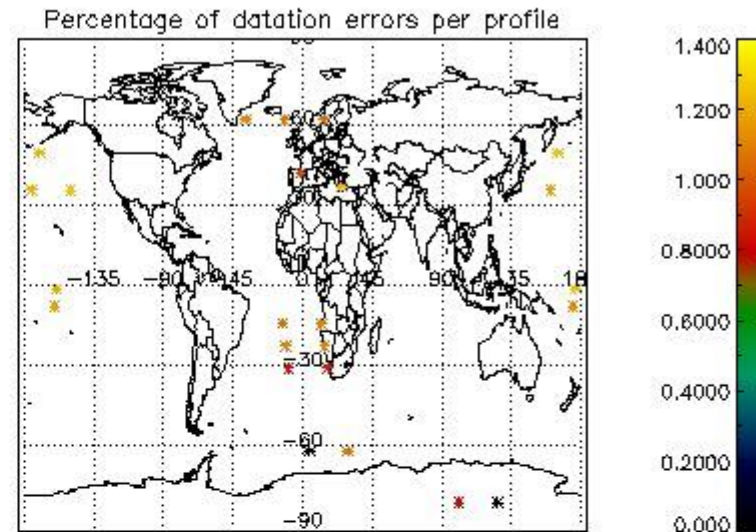
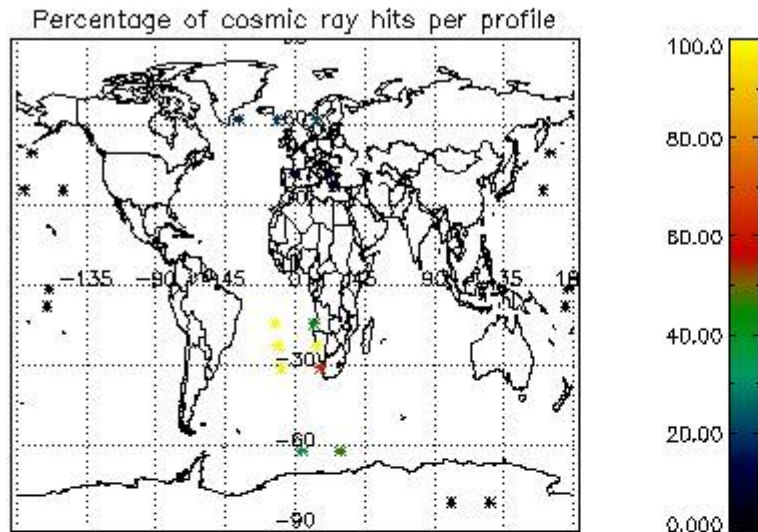
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	20.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	44.0000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



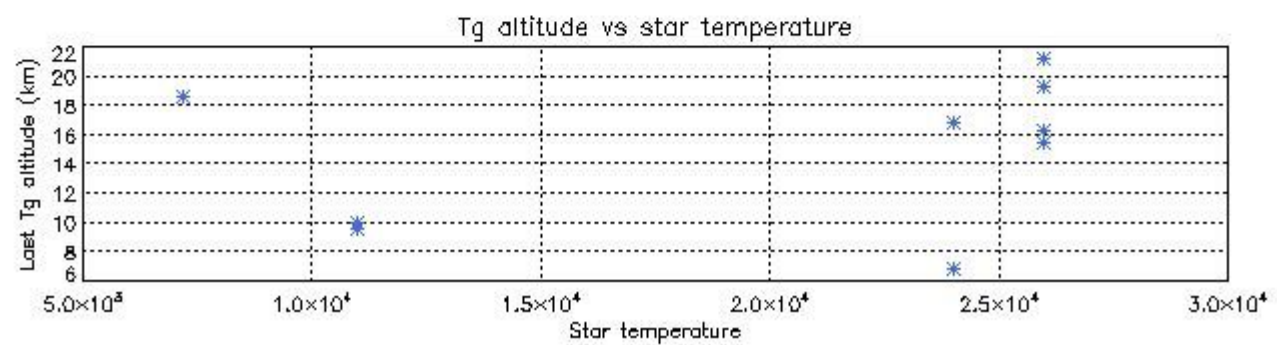
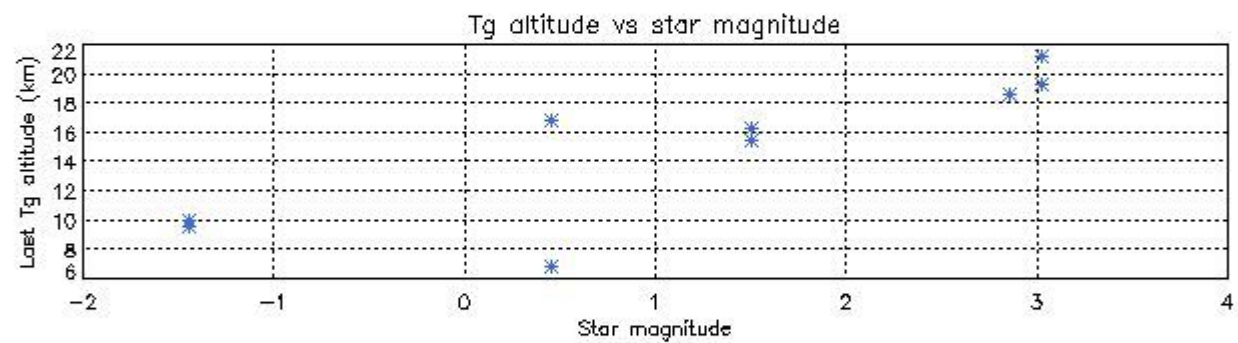
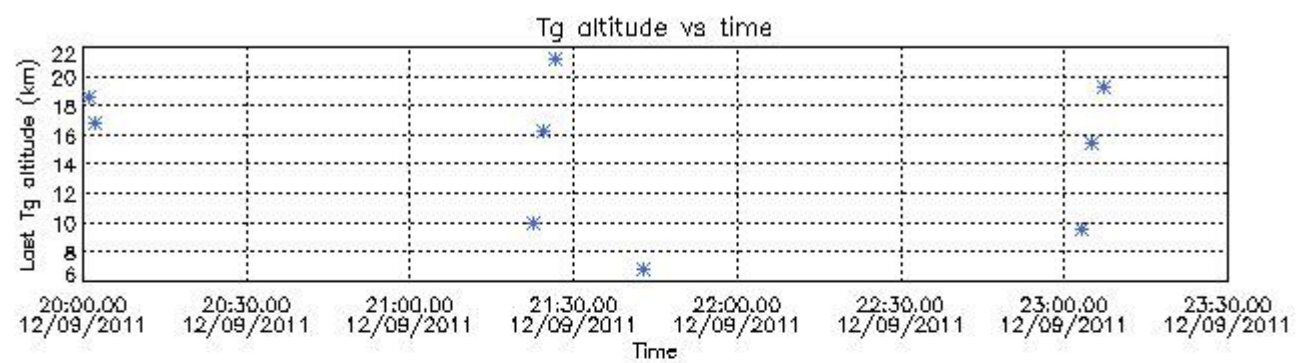
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.876	19.234	11.361
St. deviation:	4.9373	5.3821	4.7803
Maximum:	21.170	24.350	14.741
Minimum:	6.8693	4.0037	7.9805
Number of data:	9.0000	11.000	2.0000

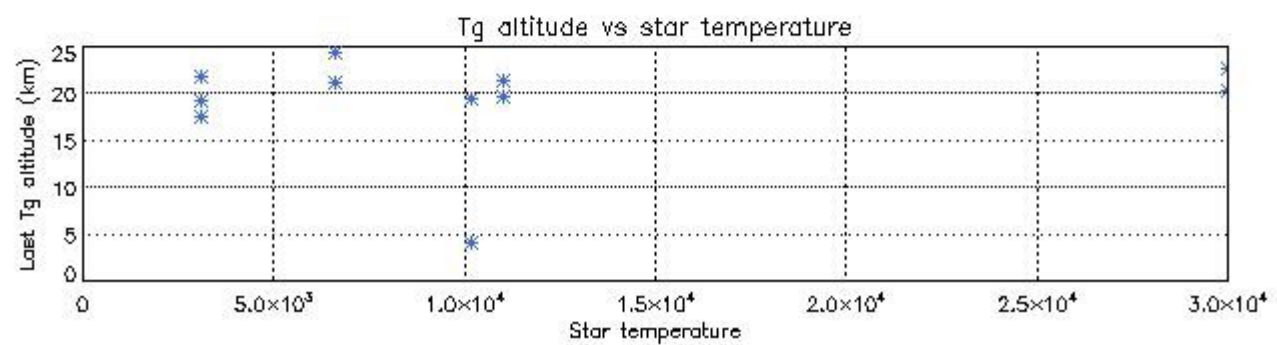
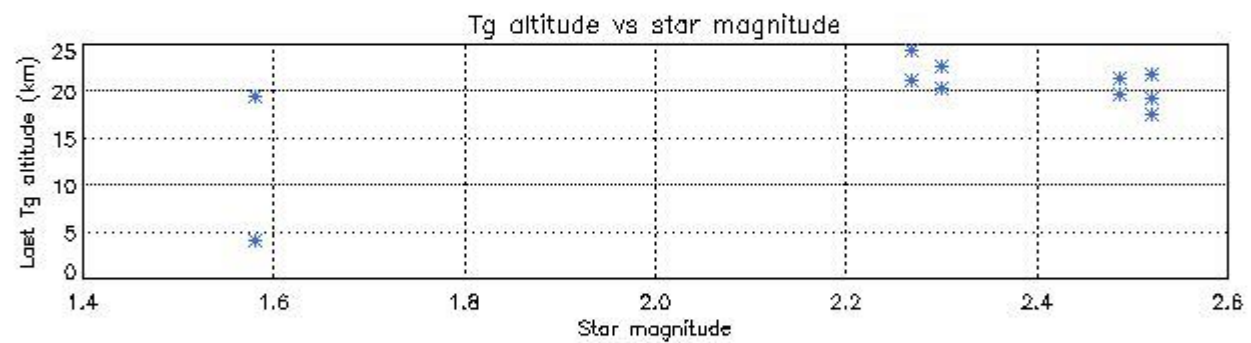
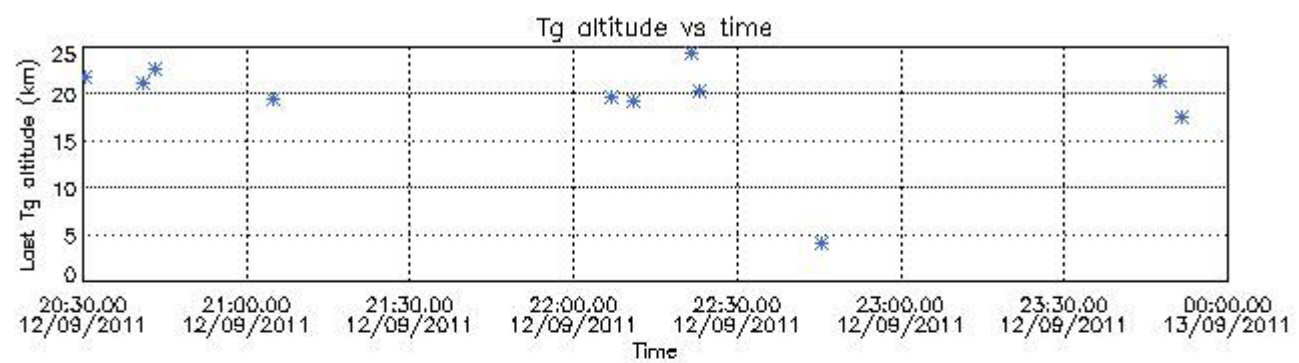
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



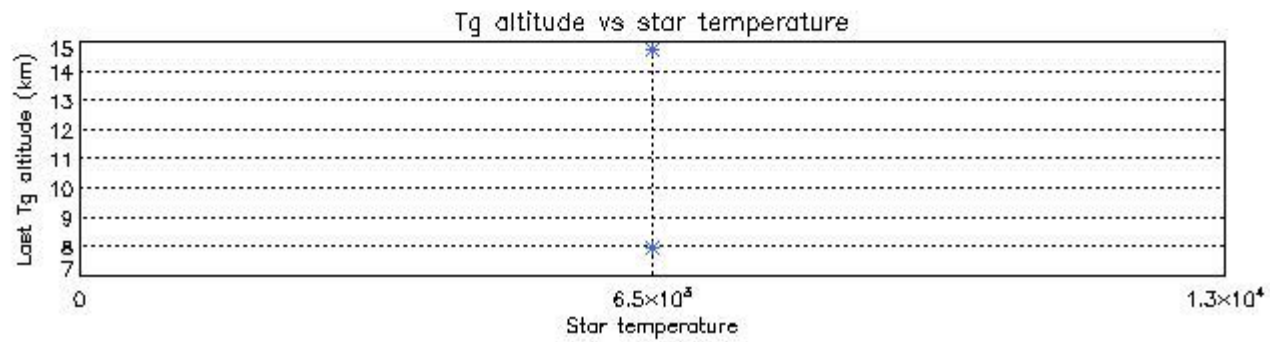
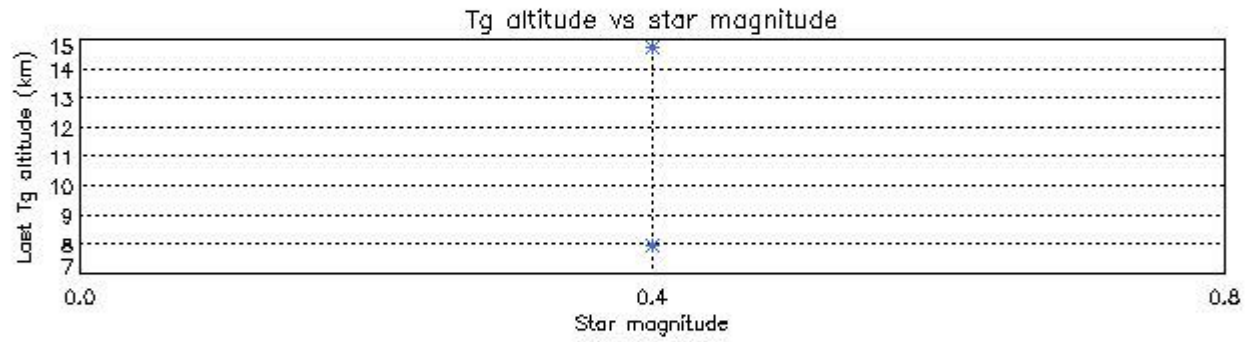
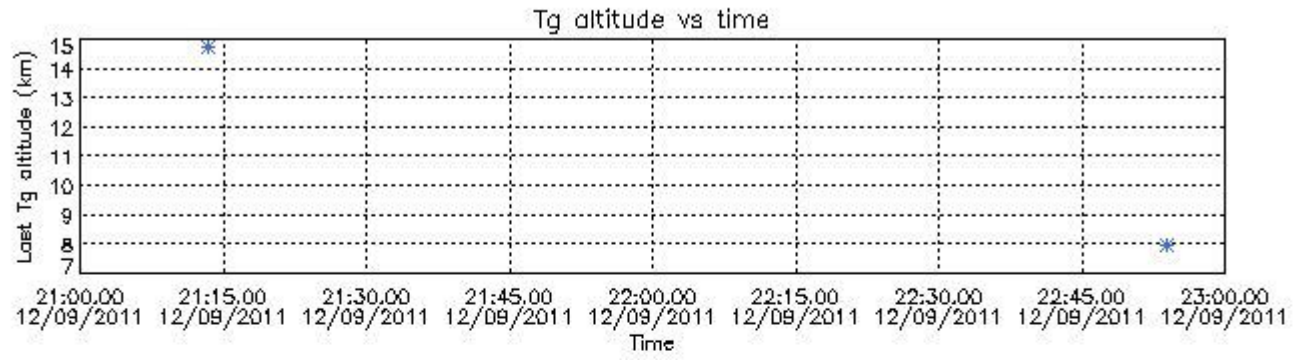
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

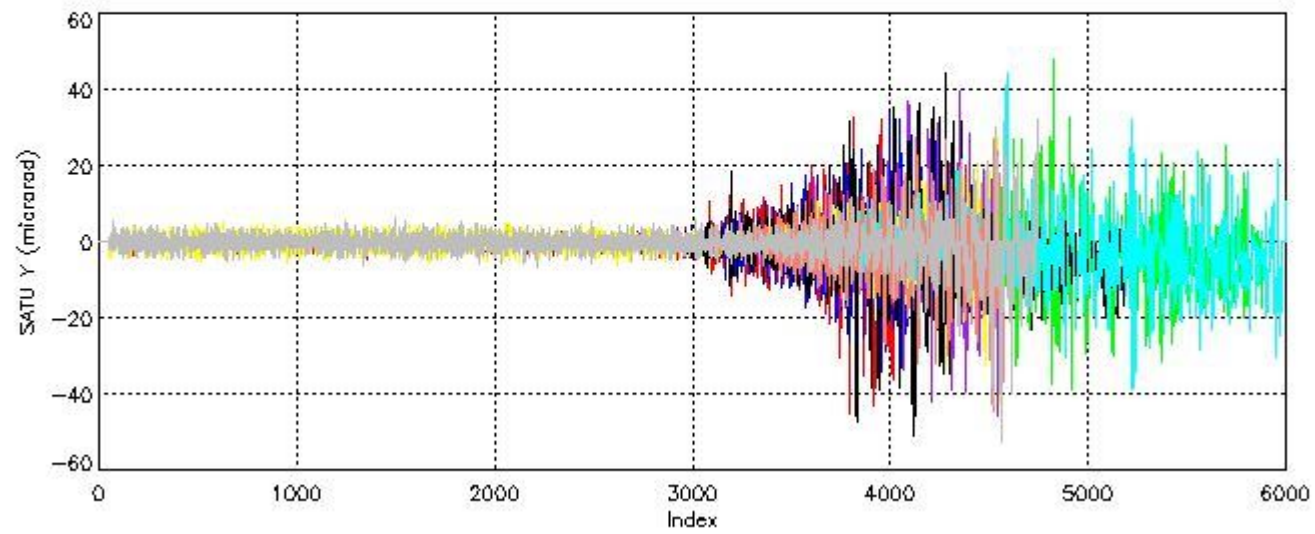
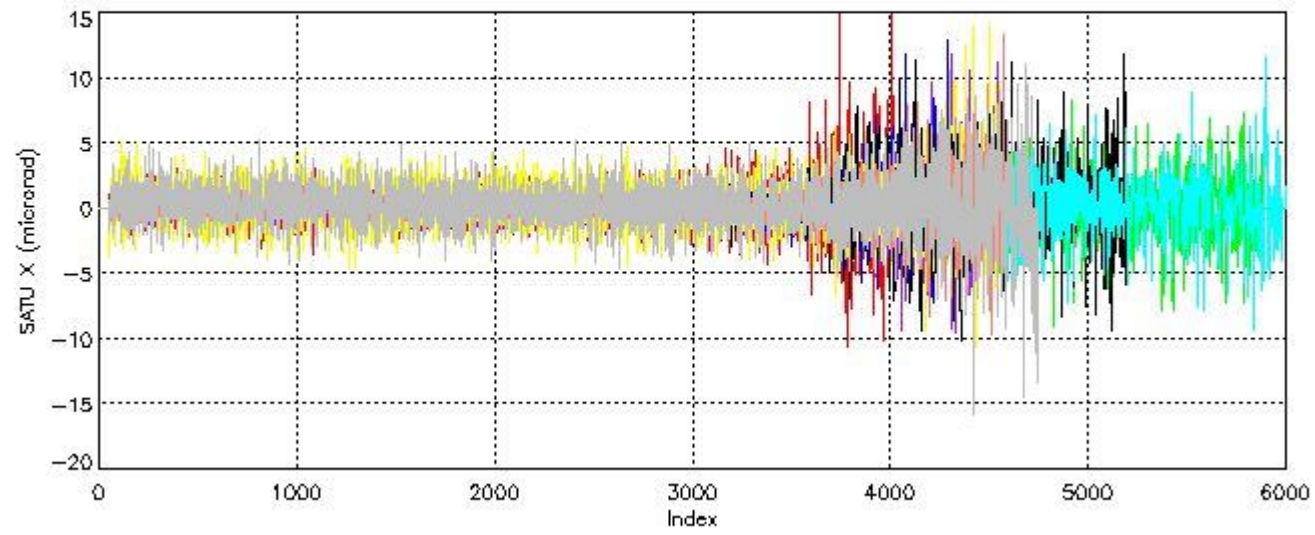


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22550	-0.23573	0.16218	-0.23919
St. deviation:	0.60973	0.77410	0.63963	0.70451
Maximum:	5.2000	5.2000	3.8000	3.8000
Minimum:	-4.4000	-5.8000	-4.1000	-4.7000

Number of data:	9600.0	9600.0	10900.	10900.
90Percentile:	1.0000	0.70000	1.0000	0.70000

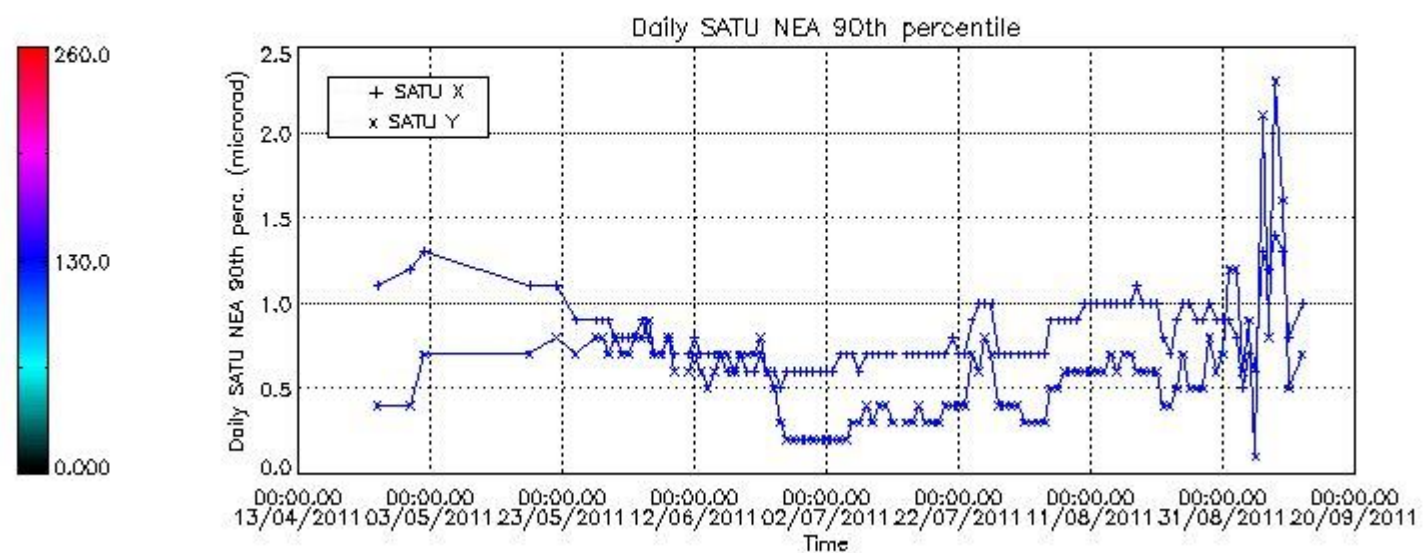
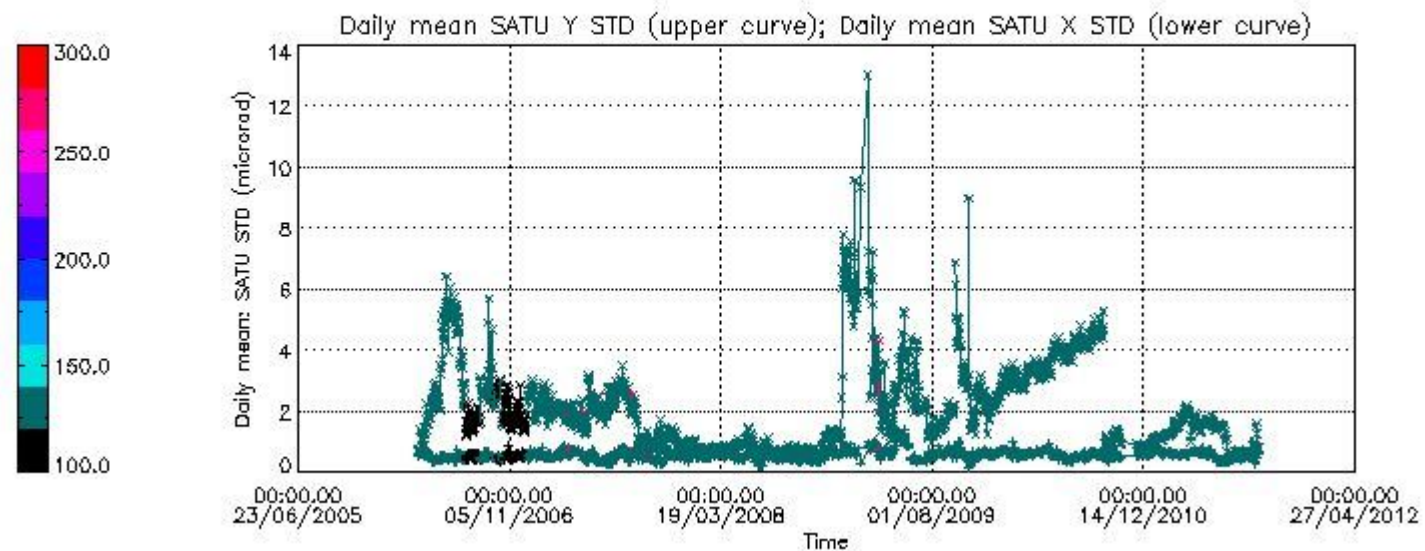
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

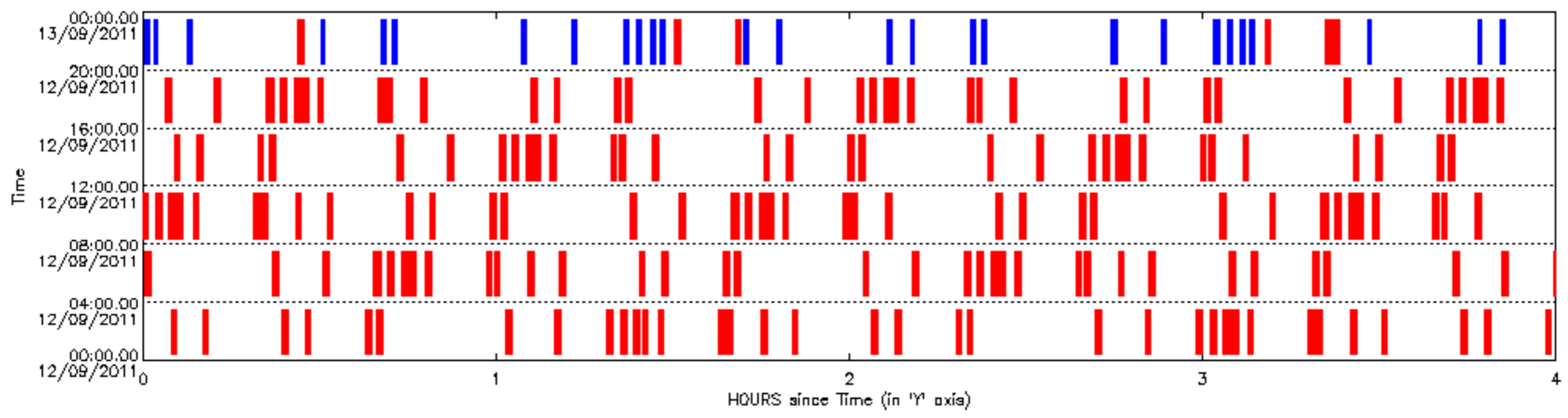
Lower curve: STD of SATU X axis

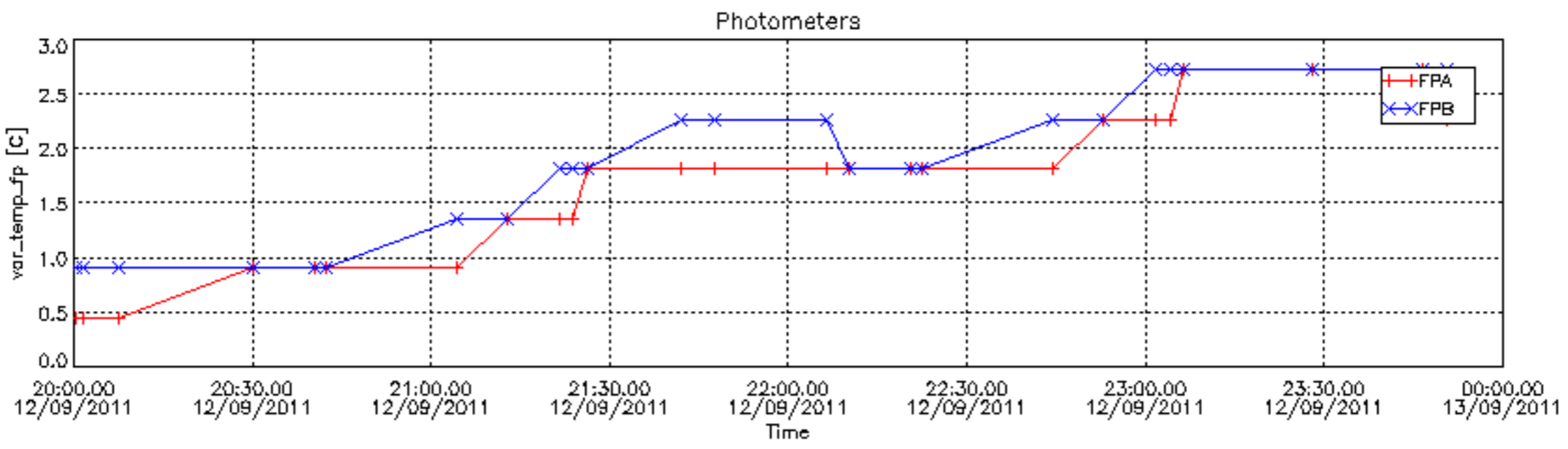
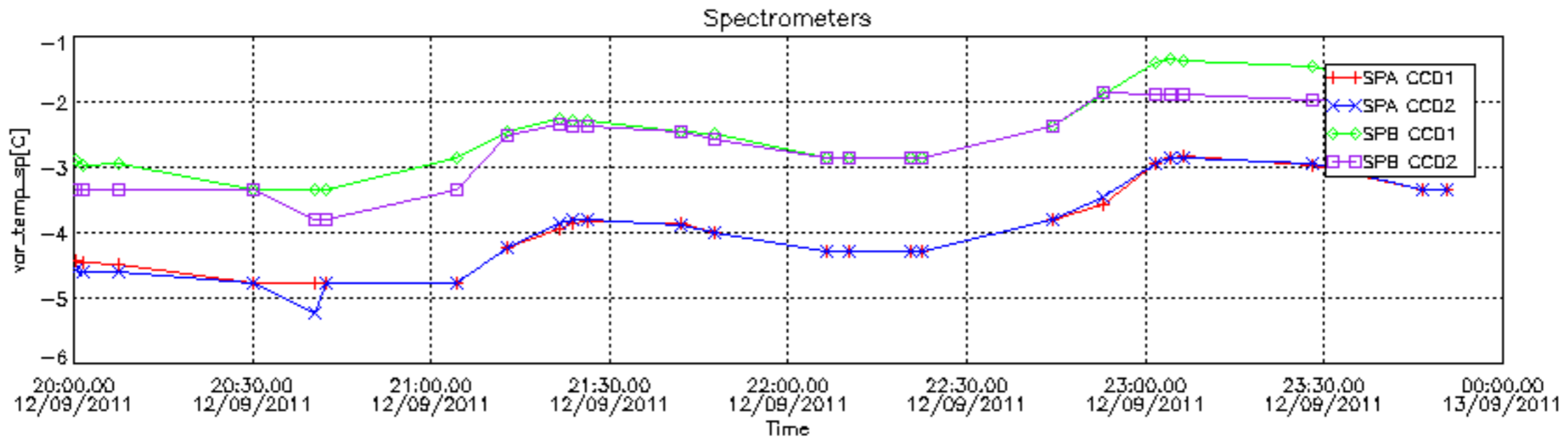


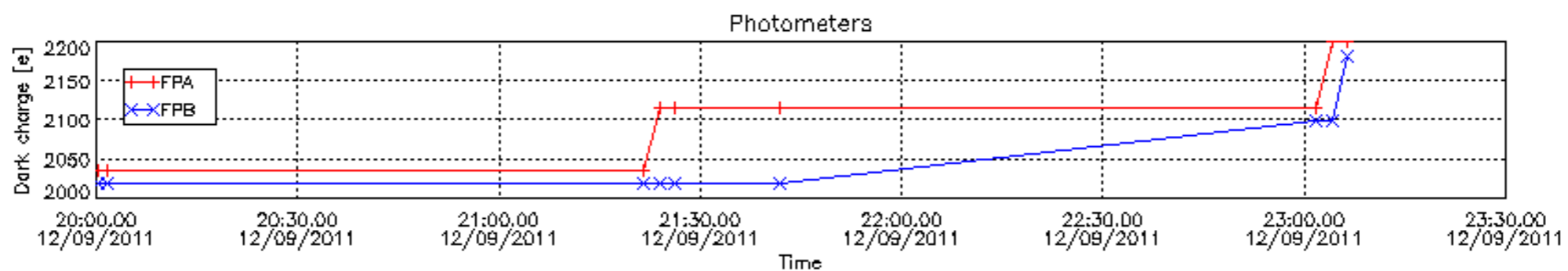
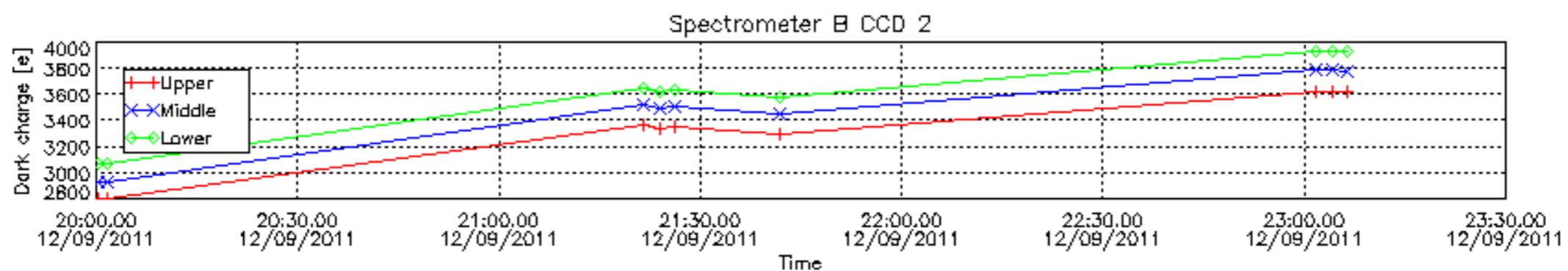
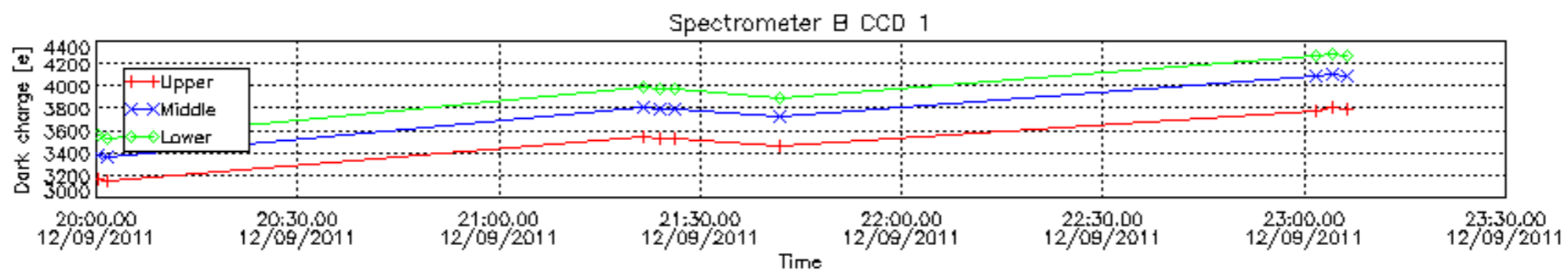
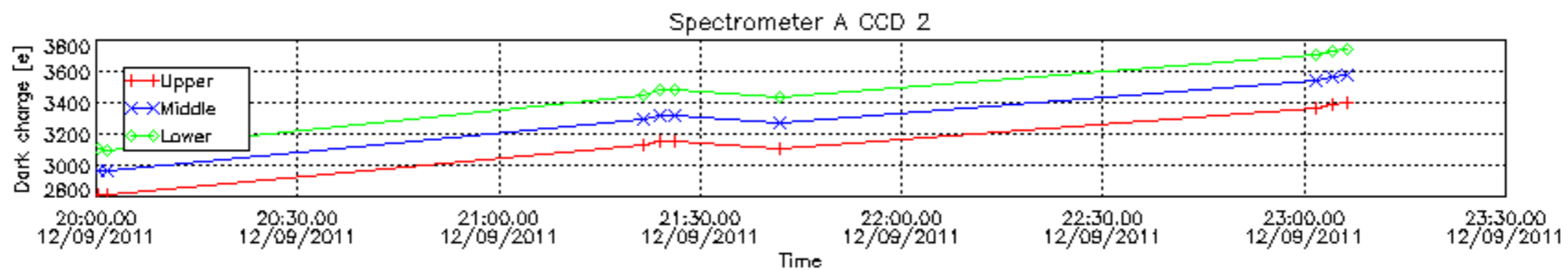
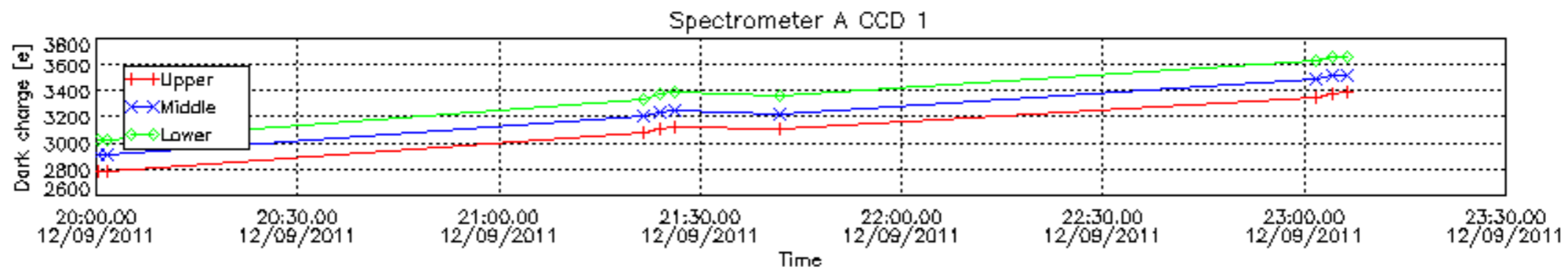
8. Auxiliary Data Files used for the production reported in section 2.4

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.

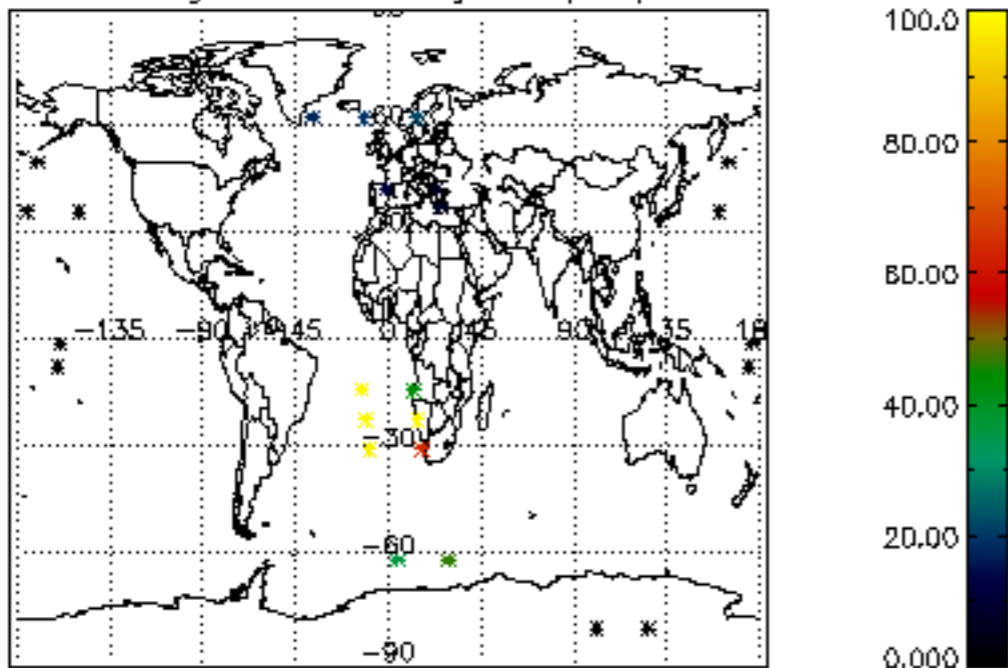
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-SEP-2011 20:00:16
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110908_133537_20110907_000000_20500101_000000	1	12-SEP-2011 20:00:16
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	12-SEP-2011 20:00:16
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	12-SEP-2011 20:00:16
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	12-SEP-2011 20:00:16
ECMWF_FILE	AUX_ECA_AXNECM20110912_182115_20110912_090000_20110912_210000	1	12-SEP-2011 20:00:16
ECMWF_FILE	AUX_ECF_AXNECM20110912_062115_20110912_150000_20110913_030000	3	12-SEP-2011 20:07:26
ECMWF_FILE	AUX_ECF_AXNECM20110912_062115_20110912_210000_20110913_090000	8	12-SEP-2011 21:12:43
OPTIONAL_ECMWF_FILE	MISSING	1	12-SEP-2011 20:00:16
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110912_102114_20110911_184630_20110921_210015	1	12-SEP-2011 20:00:16



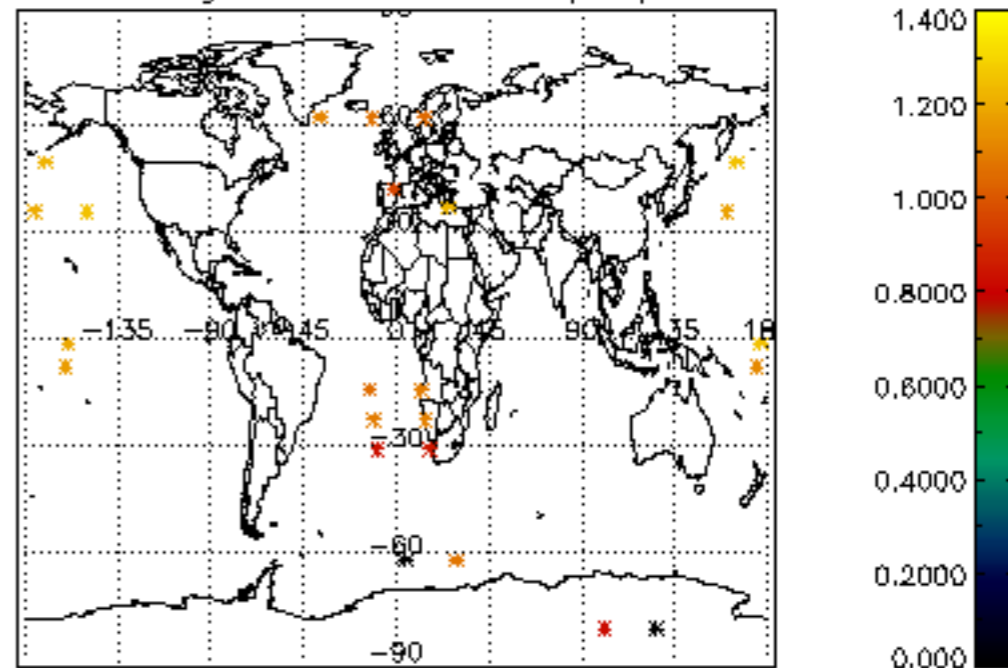




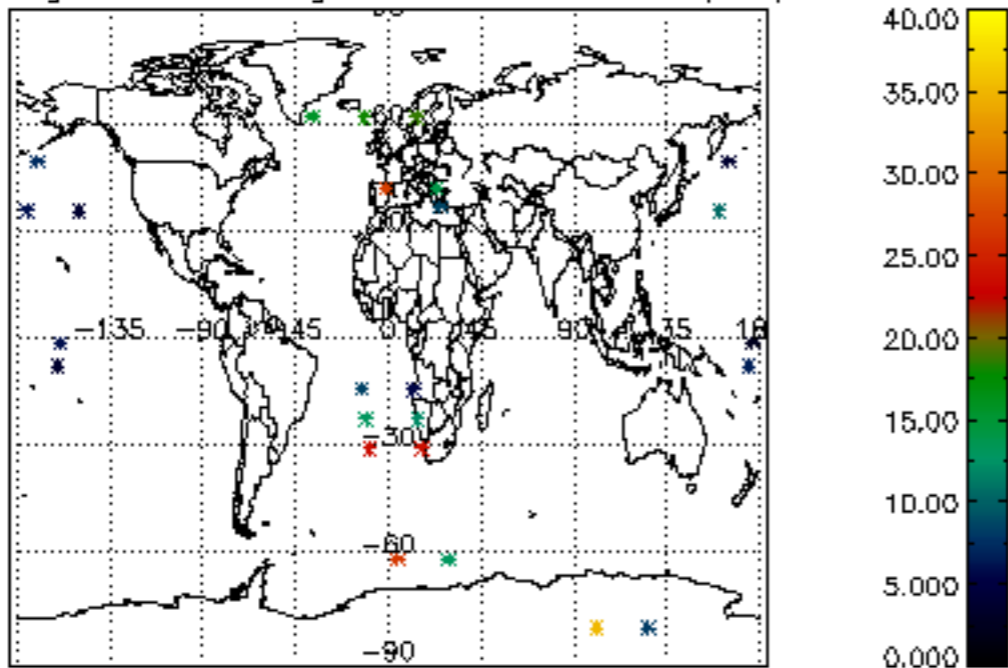
Percentage of cosmic ray hits per profile



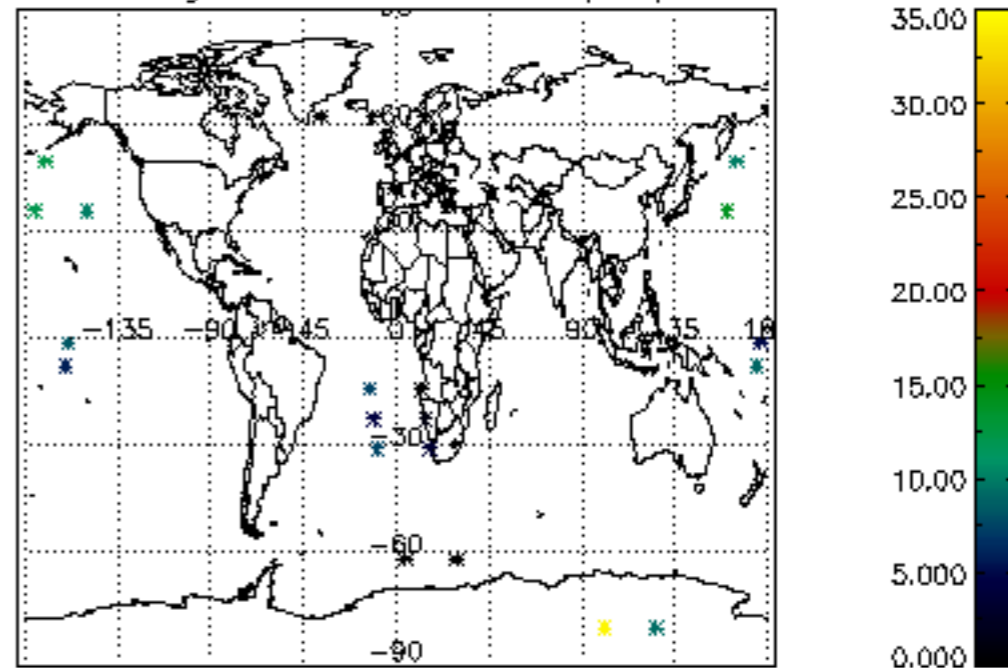
Percentage of datation errors per profile



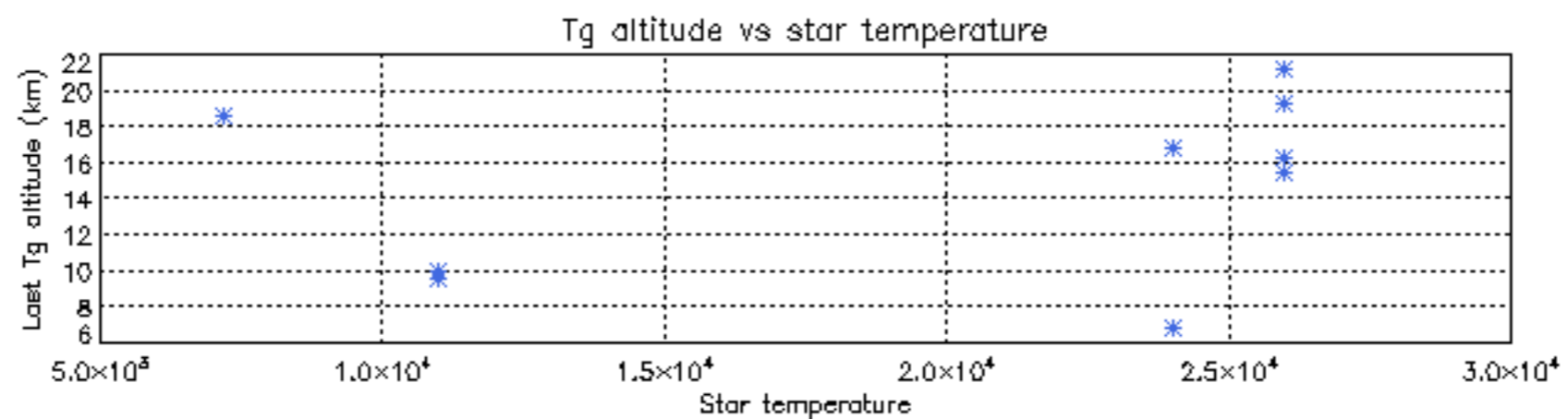
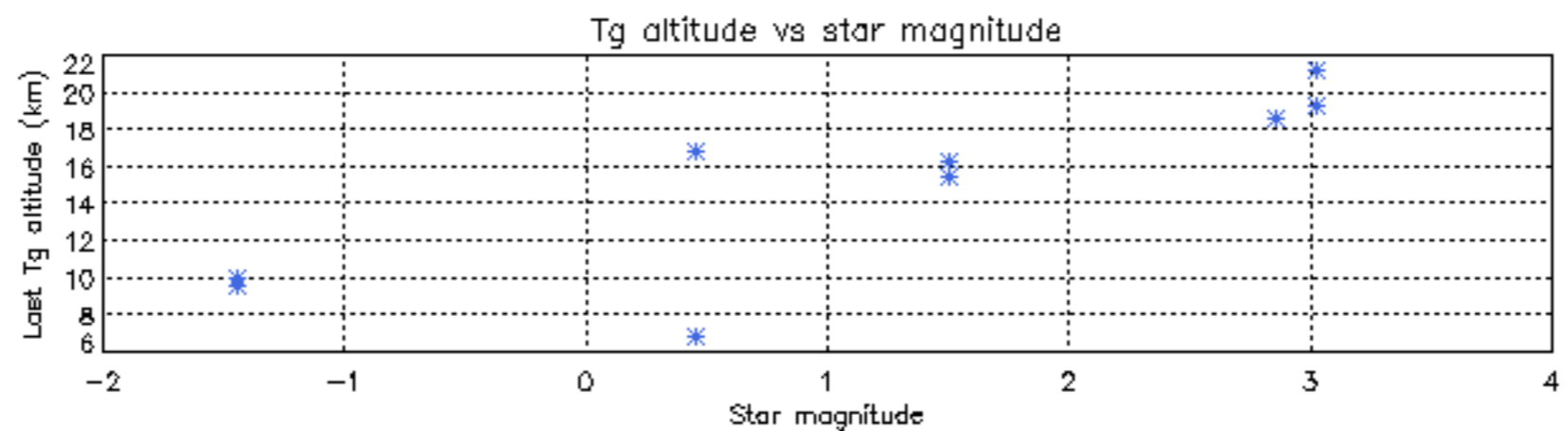
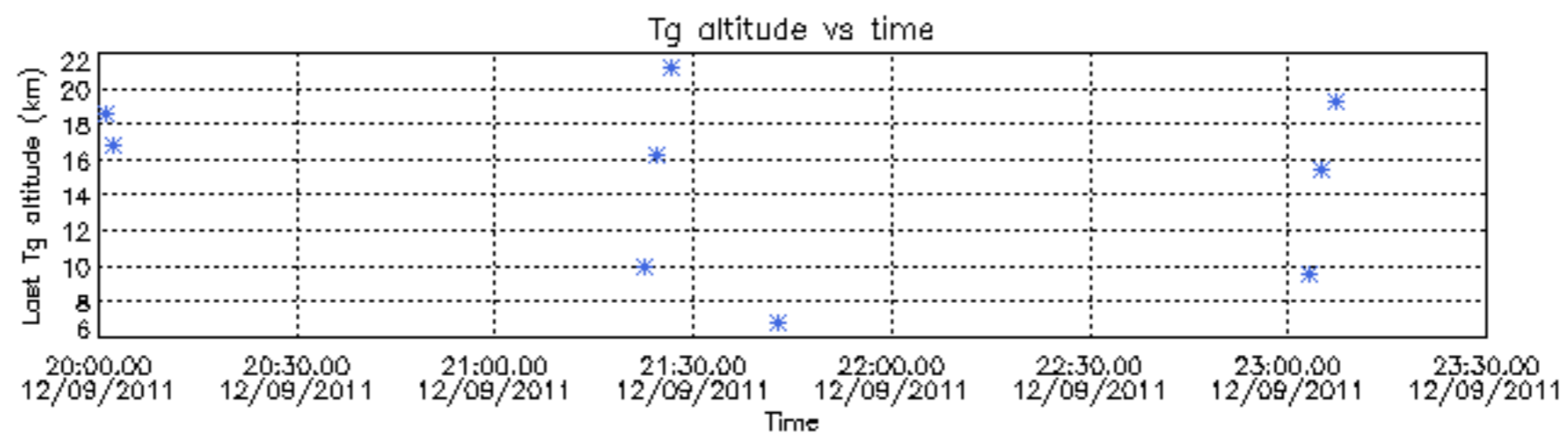
Percentage of star falling outside central band per profile



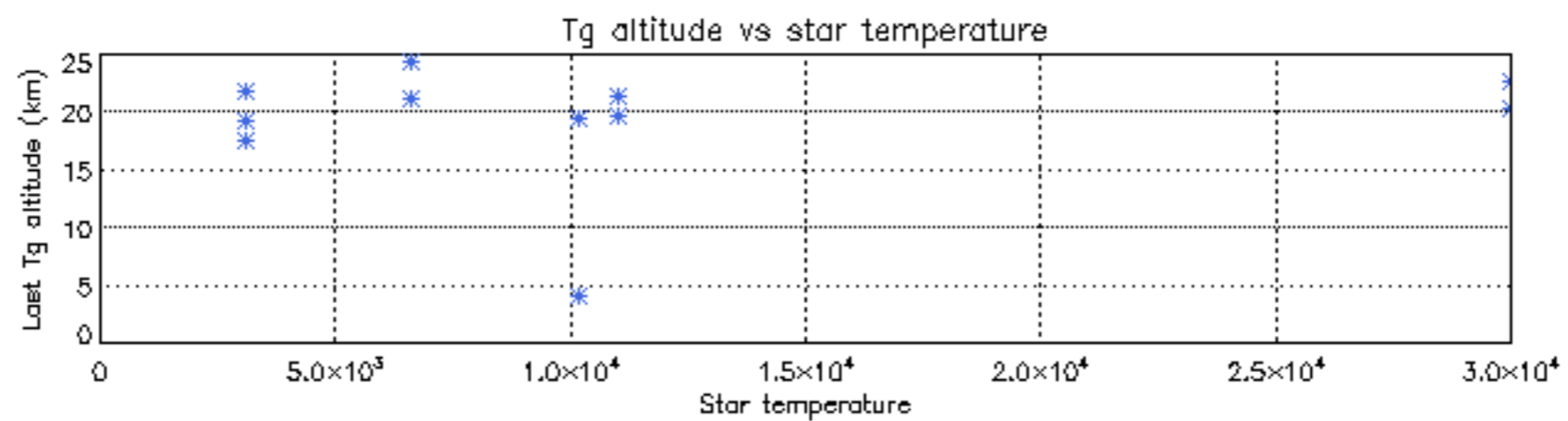
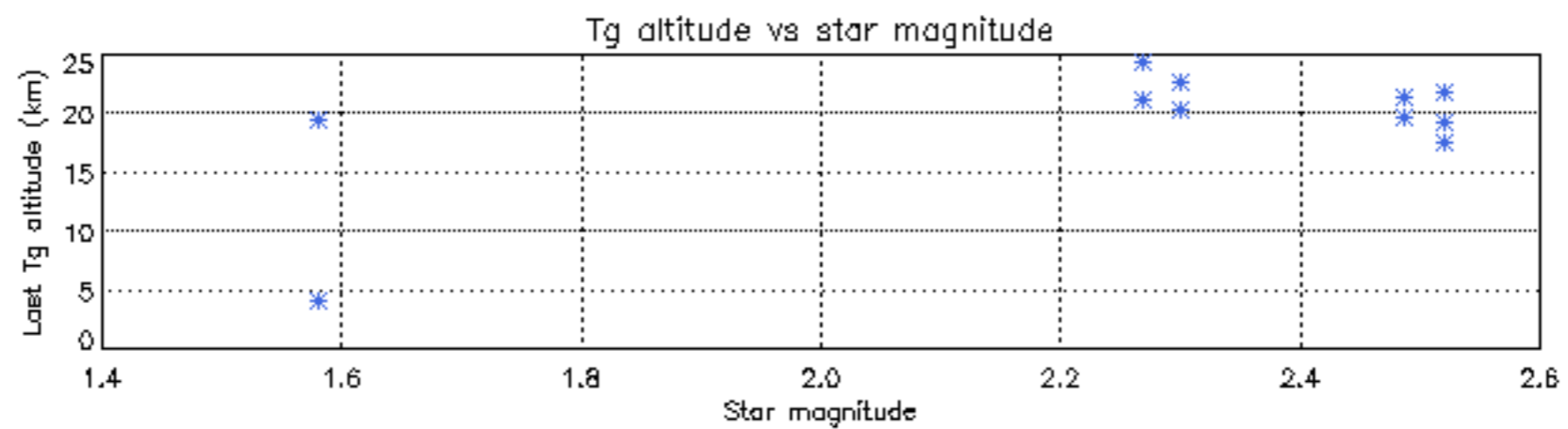
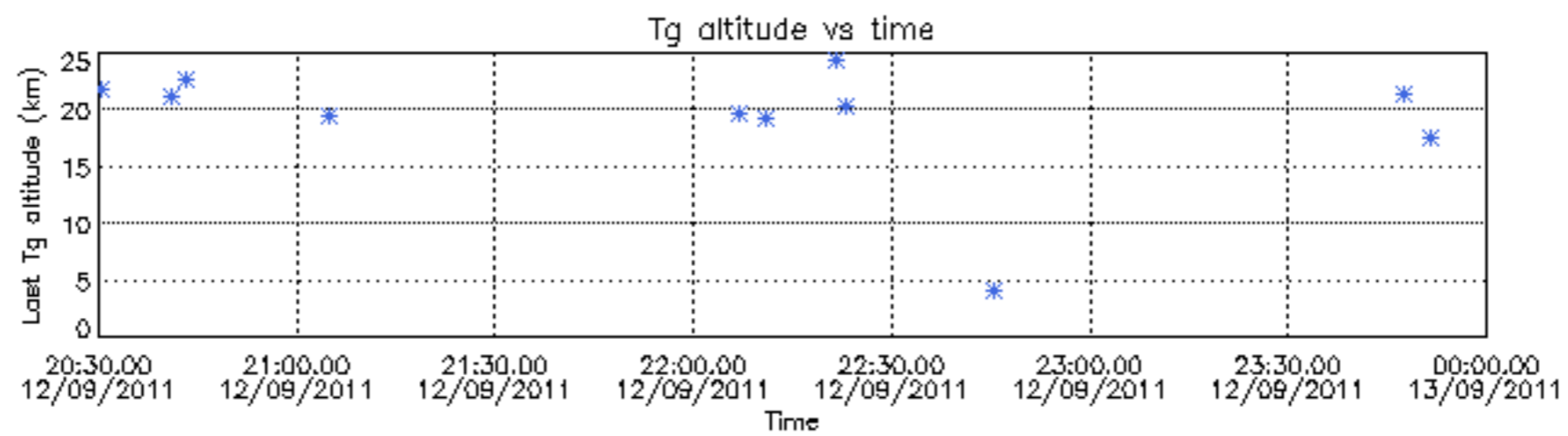
Percentage of saturation errors per profile



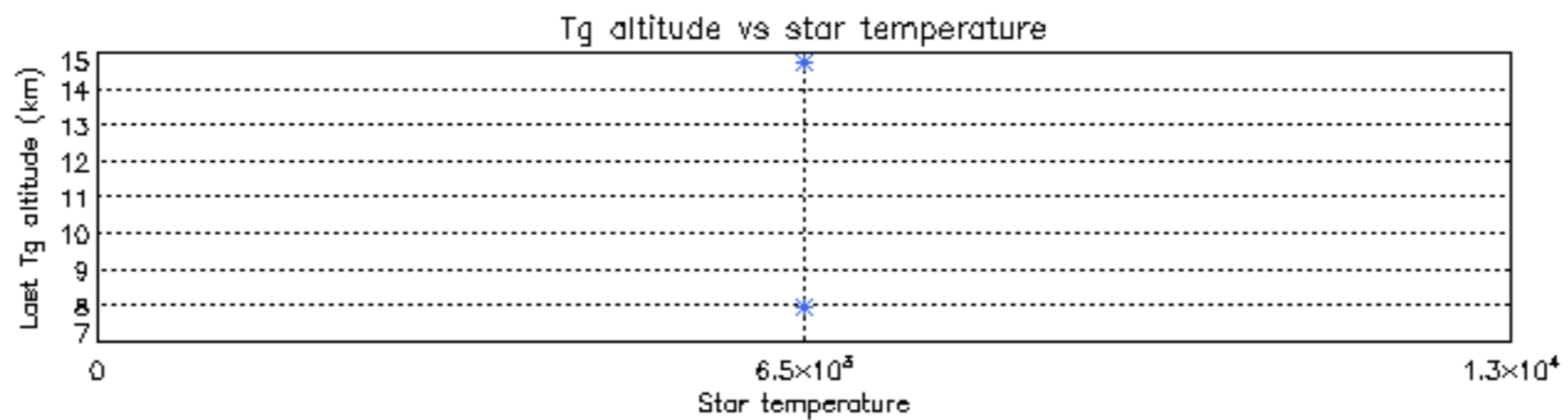
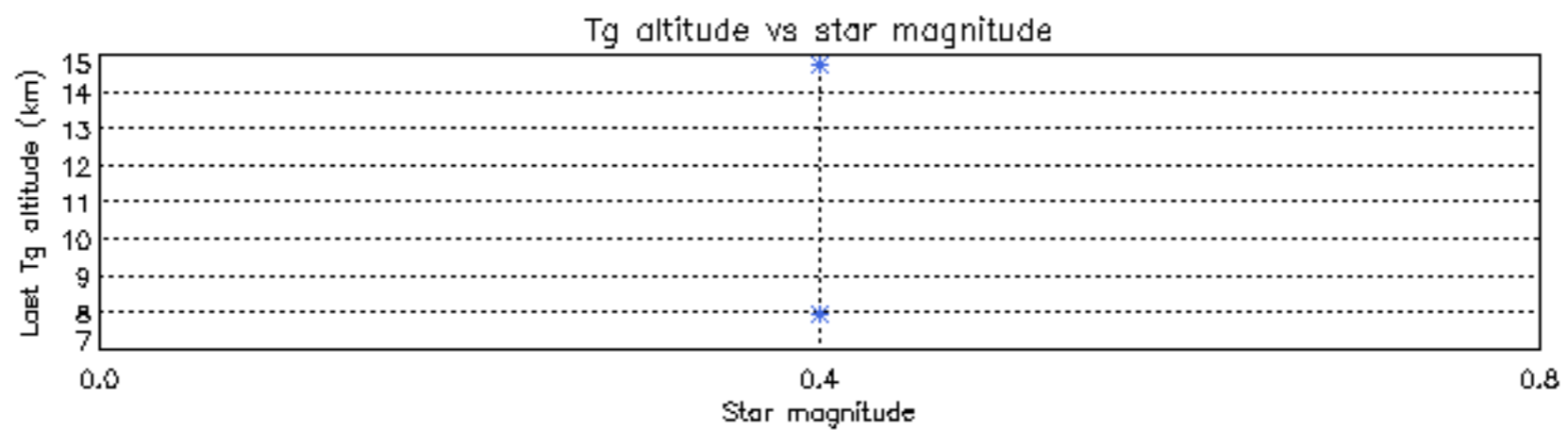
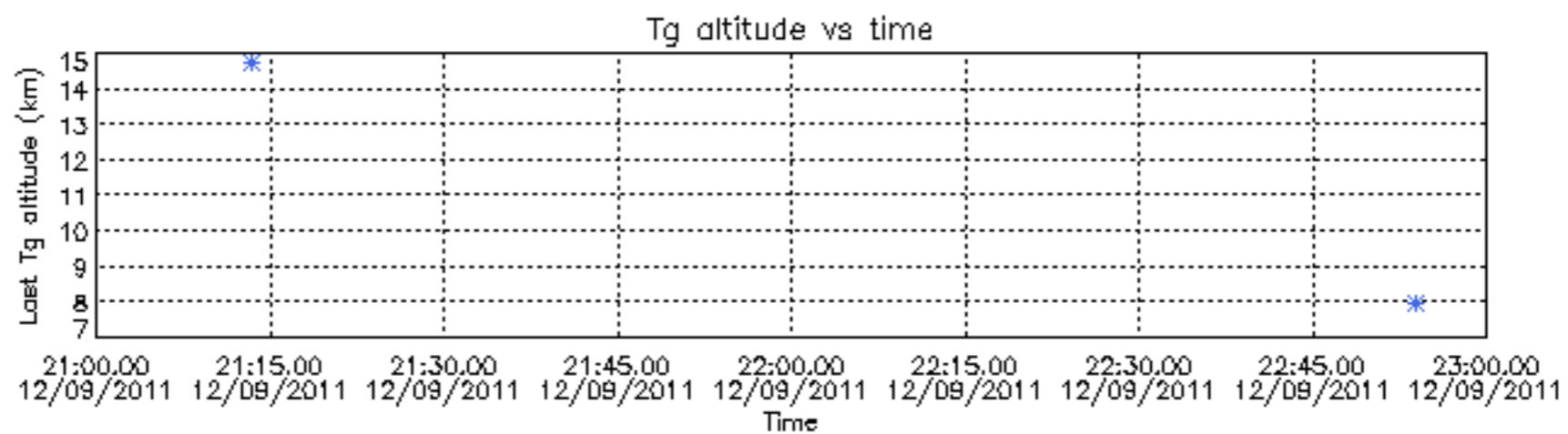
Tangent altitude at which the star is lost

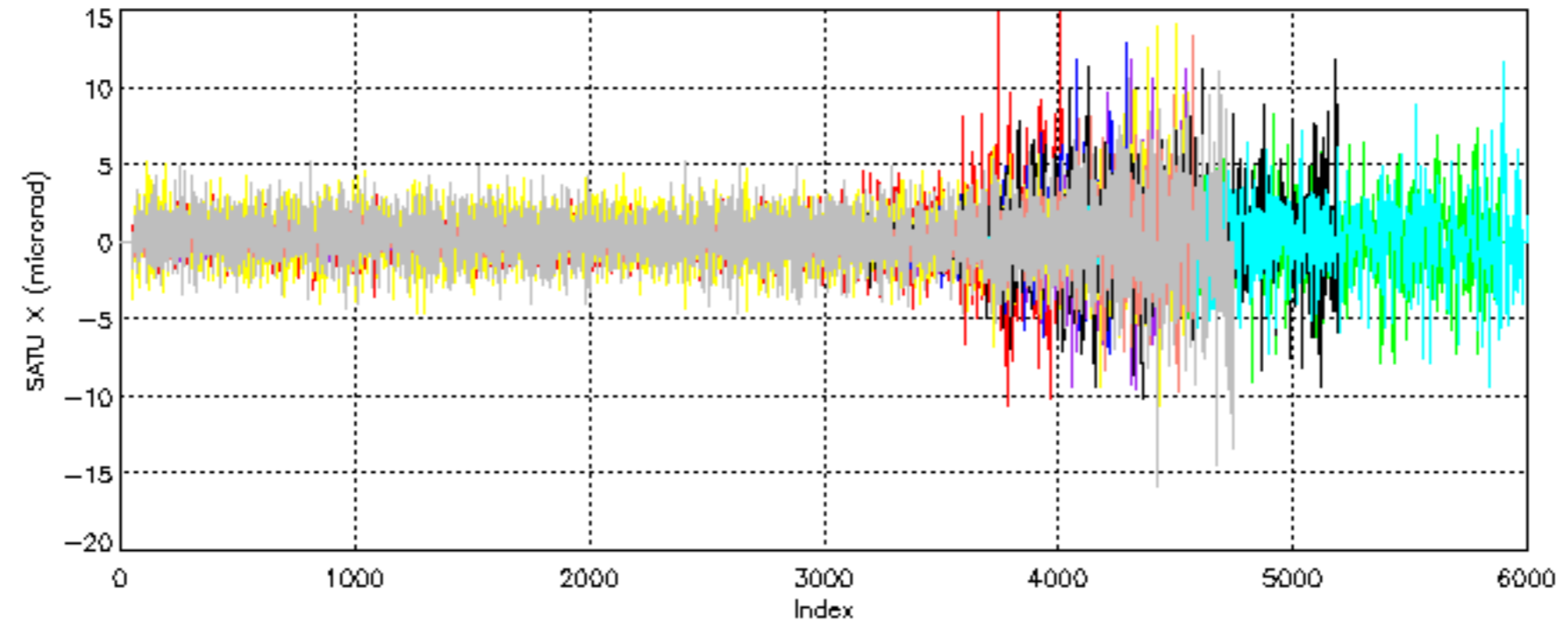


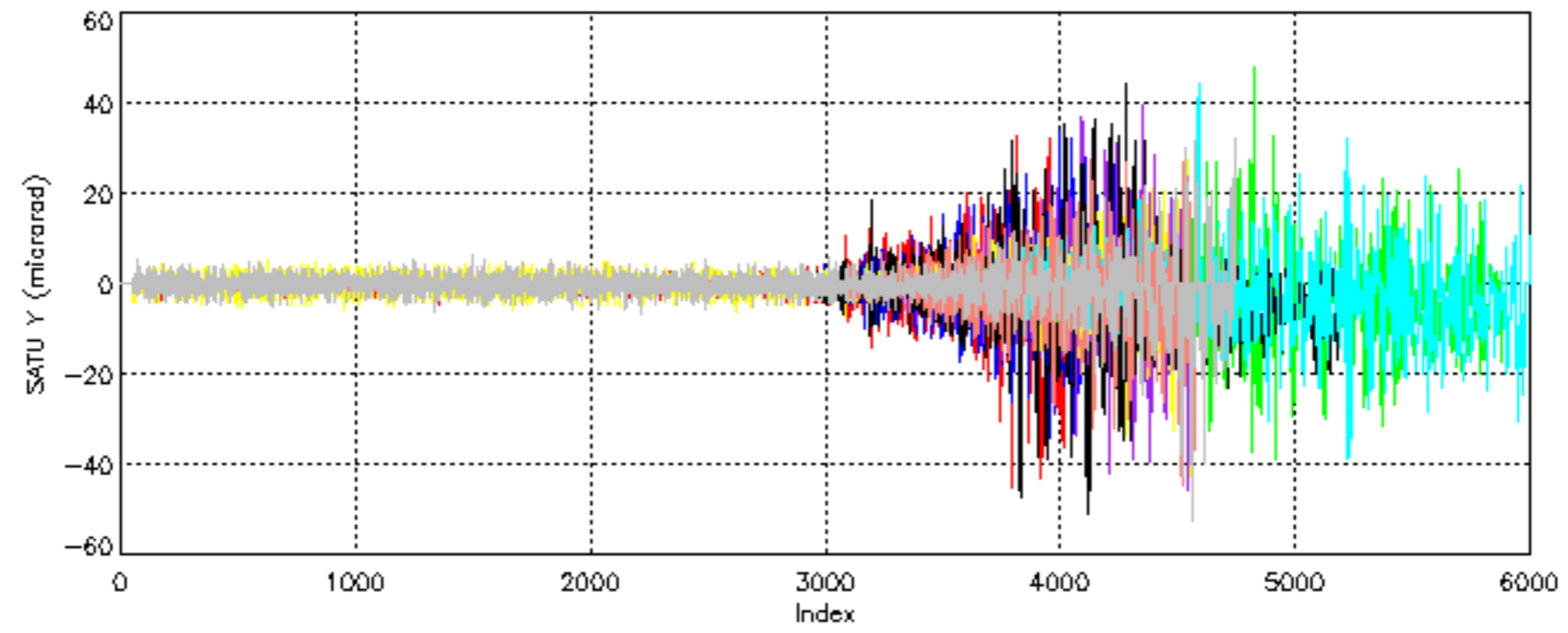
Tangent altitude at which the star is lost

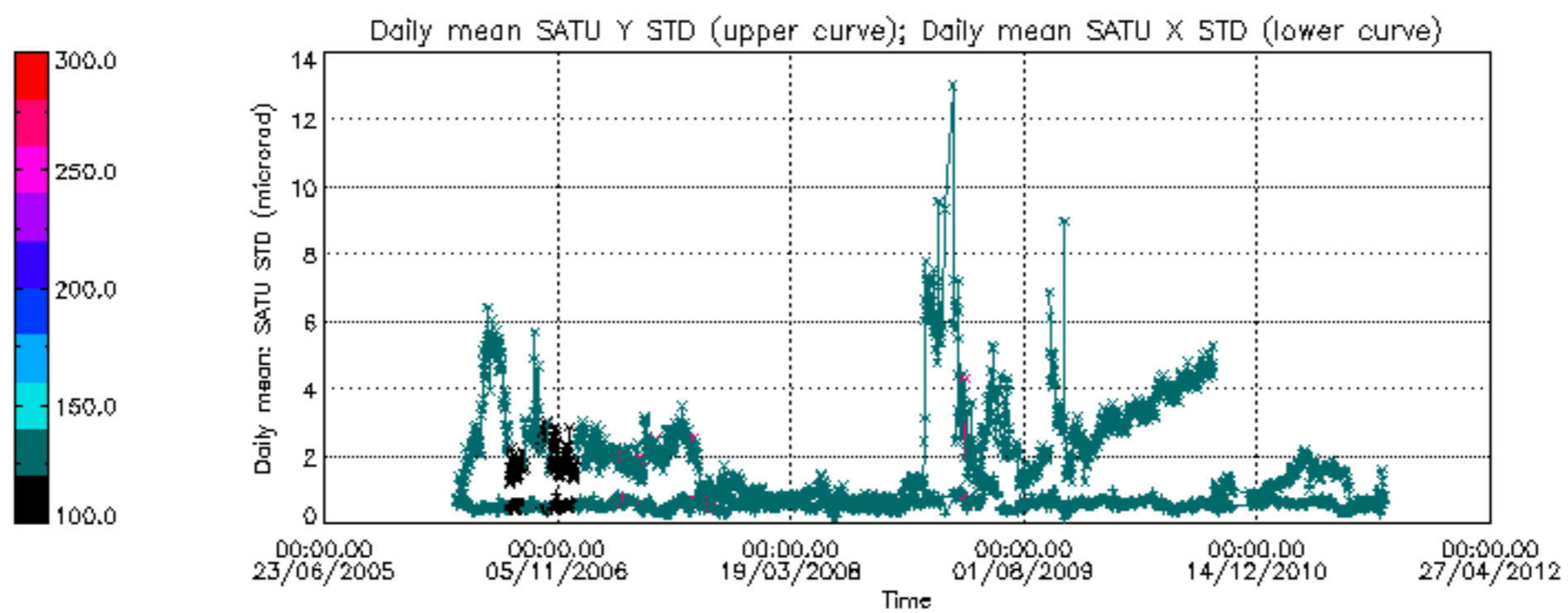


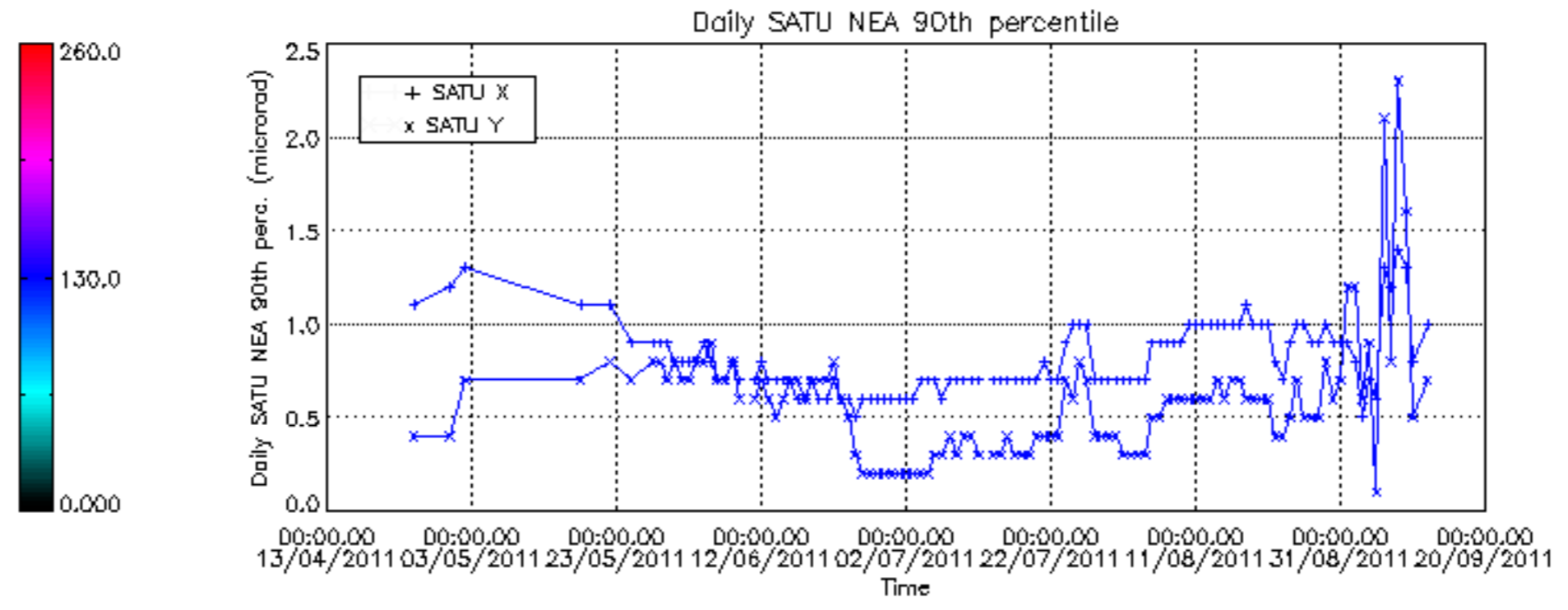
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110901_010959_000000513106_00117_49700_6411.N1
1; -1240.4; 01-SEP-2011 01:09:59; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;49700

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110901_014641_000071533106_00118_49701_6412.N1
1; 961.5; 01-SEP-2011 01:46:41; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;49701
2; 2062.2; 01-SEP-2011 02:05:02; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;49701
3; 4495.1; 01-SEP-2011 02:45:35; Bright; 36.5; 17; 78Bet Gem ; 1.16; 4500;occ; 73; 0;49701
4; 6976.1; 01-SEP-2011 03:26:56; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49702
5; 8076.1; 01-SEP-2011 03:45:16; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;49702

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110901_201520_000000463106_00129_49712_6413.N1
1; 1326.6; 01-SEP-2011 20:15:20; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;49712

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1; -648.5; 01-SEP-2011 21:22:39; Dark ; 53.0; 1; 9Alp CMA ; -1.44; 11000;occ; 106; 0;49712
2; -569.5; 01-SEP-2011 21:23:58; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;49712
3; 968.4; 01-SEP-2011 21:49:36; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;49713
4; 1326.8; 01-SEP-2011 21:55:34; Dark ; 51.5; 18; 24Alp PsA ; 1.17; 9700;occ; 103; 0;49713
5; 1883.3; 01-SEP-2011 22:04:51; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49713

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1; -568.8; 01-SEP-2011 23:04:13; Dark ; 49.0; 47; 2Bet CMA ; 1.98; 28000;occ; 98; 0;49713
2; 2061.8; 01-SEP-2011 23:48:03; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;49714
3; 5366.7; 02-SEP-2011 00:43:08; Dark ; 30.0; 1; 9Alp CMA ; -1.44; 11000;occ; 60; 0;49714

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1; 610.0; 01-SEP-2011 13:22:27; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;49708
2; 965.6; 01-SEP-2011 13:28:23; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;49708

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1; 966.1; 01-SEP-2011 15:08:38; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49709

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1; 1325.7; 01-SEP-2011 15:14:37; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;49709
2; 1883.3; 01-SEP-2011 15:23:55; Bright; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;49709
3; 2062.0; 01-SEP-2011 15:26:53; Bright; 39.5; 61; 8Eps Peg ; 2.10; 3900;occ; 79; 0;49709
4; 6980.6; 01-SEP-2011 16:48:52; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49710

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1; 1883.5; 01-SEP-2011 17:04:09; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49710
2; 2062.1; 01-SEP-2011 17:07:08; Bright; 37.5; 61; 8Eps Peg ; 2.10; 3900;occ; 75; 0;49710
3; 6981.3; 01-SEP-2011 18:29:07; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;49711

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2; 1883.3; 01-SEP-2011 18:44:23; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49711
3; 2062.0; 01-SEP-2011 18:47:22; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;49711

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2; -567.9; 02-SEP-2011 00:44:27; Dark ; 48.5; 47; 2Bet CMA ; 1.98; 28000;occ; 97; 0;49714
3; 969.5; 02-SEP-2011 01:10:05; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49715
4; 2061.8; 02-SEP-2011 01:28:17; Bright; 39.0; 61; 8Eps Peg ; 2.10; 3900;occ; 78; 0;49715

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2; -566.9; 02-SEP-2011 02:24:42; Dark ; 52.5; 47; 2Bet CMA ; 1.98; 28000;occ; 105; 0;49715
3; 970.1; 02-SEP-2011 02:50:19; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49716
4; 1327.6; 02-SEP-2011 02:56:17; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;49716

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1; -645.9; 02-SEP-2011 04:03:37; Dark ; 52.0; 1; 9Alp CMA ; -1.44; 11000;occ; 104; 0;49716
2; 970.5; 02-SEP-2011 04:30:34; Dark ; 59.5; 84; Alp Phe ; 2.40; 4500;occ; 119; 0;49717
3; 1327.9; 02-SEP-2011 04:36:31; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;49717
4; 1883.2; 02-SEP-2011 04:45:46; Bright; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;49717
5; 2061.9; 02-SEP-2011 04:48:45; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;49717
6; 2472.7; 02-SEP-2011 04:55:36; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;49717

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2; 1330.3; 02-SEP-2011 21:18:53; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;49727
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3; 3099.9; 02-SEP-2011 23:28:37; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49728
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3; -644.7; 02-SEP-2011 07:24:07; Dark ; 53.5; 1; 9Alp CMA ; -1.44; 11000;occ; 107; 0;49718
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3; 5370.0; 02-SEP-2011 09:04:21; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;49719
4; 5450.0; 02-SEP-2011 09:05:41; Dark ; 50.0; 47; 2Bet CMA ; 1.98; 28000;occ; 100; 0;49719
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3; 972.8; 02-SEP-2011 11:11:32; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;49721
4; 1329.0; 02-SEP-2011 11:17:28; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;49721
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2; 3104.0; 02-SEP-2011 11:47:03; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;49721
3; 4902.7; 02-SEP-2011 12:17:02; Dark ; 47.5; 8; 10Alp CMI ; 0.40; 6500;occ; 95; 0;49721
4; 5451.6; 02-SEP-2011 12:26:11; Dark ; 51.0; 47; 2Bet CMA ; 1.98; 28000;occ; 102; 0;49721
5; 6987.3; 02-SEP-2011 12:51:46; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;49722
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2; -561.5; 02-SEP-2011 14:06:25; Dark ; 51.5; 47; 2Bet CMA ; 1.98; 28000;occ; 103; 0;49722
3; 973.8; 02-SEP-2011 14:32:01; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;49723
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3; -560.7; 02-SEP-2011 15:46:40; Dark ; 52.0; 47; 2Bet CMA ; 1.98; 28000;occ; 104; 0;49723
4; 974.4; 02-SEP-2011 16:12:15; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49724
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2; 3102.3; 02-SEP-2011 16:47:43; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;49724
3; 5373.4; 02-SEP-2011 17:25:34; Dark ; 51.0; 1; 9Alp CMA ; -1.44; 11000;occ; 102; 0;49724
4; 5454.3; 02-SEP-2011 17:26:55; Dark ; 51.5; 47; 2Bet CMA ; 1.98; 28000;occ; 103; 0;49724
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2; 1883.3; 02-SEP-2011 18:07:38; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49725
3; 3101.7; 02-SEP-2011 18:27:57; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;49725
4; 4784.1; 02-SEP-2011 18:55:59; Dark ; 53.5; 44; 24Gam Gem ; 1.93; 11000;occ; 107; 0;49725
5; 4904.1; 02-SEP-2011 18:57:59; Dark ; 47.5; 8; 10Alp CMI ; 0.40; 6500;occ; 95; 0;49725
6; 5374.0; 02-SEP-2011 19:05:49; Dark ; 52.0; 1; 9Alp CMA ; -1.44; 11000;occ; 104; 0;49725
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2; 1330.1; 02-SEP-2011 19:38:39; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;49726
3; 3101.1; 02-SEP-2011 20:08:10; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;49726
4; 4784.4; 02-SEP-2011 20:36:13; Dark ; 54.5; 44; 24Gam Gem ; 1.93; 11000;occ; 109; 0;49726
5; 4904.4; 02-SEP-2011 20:38:13; Dark ; 45.0; 8; 10Alp CMI ; 0.40; 6500;occ; 90; 0;49726
6; 5374.7; 02-SEP-2011 20:46:04; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;49726
7; 5535.7; 02-SEP-2011 20:48:45; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;49726
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3; 1330.9; 03-SEP-2011 00:39:22; Dark ; 25.0; 18; 24Alp PsA ; 1.17; 9700;occ; 50; 0;49729
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2; -476.6; 03-SEP-2011 01:49:28; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;49729
3; 1331.1; 03-SEP-2011 02:19:36; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;49730

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3; 1331.9; 03-SEP-2011 05:40:05; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;49732
4; 1883.3; 03-SEP-2011 05:49:16; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49732
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3; 1883.5; 03-SEP-2011 20:51:22; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49741
4; 3092.2; 03-SEP-2011 21:11:31; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;49741
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3; 984.2; 03-SEP-2011 22:16:37; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;49742
4; 1334.4; 03-SEP-2011 22:22:27; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;49742
5; 1883.4; 03-SEP-2011 22:31:36; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49742
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7; 4909.9; 03-SEP-2011 23:22:02; Dark ; 47.5; 8; 10Alp CMi ; 0.40; 6500;occ; 95; 0;49742
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3; 1334.6; 04-SEP-2011 00:02:41; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;49743
4; 3091.0; 04-SEP-2011 00:31:57; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49743
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3; 4907.9; 03-SEP-2011 13:20:36; Dark ; 50.5; 8; 10Alp CMi ; 0.40; 6500;occ; 101; 0;49736
4; 5541.5; 03-SEP-2011 13:31:10; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;49736
5; 6995.5; 03-SEP-2011 13:55:24; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;49737
6; 7347.0; 03-SEP-2011 14:01:16; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;49737
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3; -1105.7; 03-SEP-2011 15:00:51; Dark ; 52.5; 8; 10Alp CMi ; 0.40; 6500;occ; 105; 0;49737
4; -631.7; 03-SEP-2011 15:08:45; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;49737
5; 982.2; 03-SEP-2011 15:35:39; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;49738
6; 1333.3; 03-SEP-2011 15:41:30; Dark ; 30.0; 18; 24Alp PsA ; 1.17; 9700;occ; 60; 0;49738
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3; 3094.1; 03-SEP-2011 16:10:51; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49738
4; 5383.0; 03-SEP-2011 16:48:59; Dark ; 52.0; 1; 9Alp CMA ; -1.44; 11000;occ; 104; 0;49738
5; 5542.6; 03-SEP-2011 16:51:39; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;49738
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3; 5383.7; 03-SEP-2011 18:29:14; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0;49739
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5; 6997.3; 03-SEP-2011 18:56:08; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;49740
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3; 1883.4; 03-SEP-2011 19:11:08; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49740
4; 3092.7; 03-SEP-2011 19:31:17; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;49740
5; 5384.4; 03-SEP-2011 20:09:29; Dark ; 55.0; 1; 9Alp CMA ; -1.44; 11000;occ; 110; 0;49740

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8; 2434.9; 09-SEP-2011 22:20:48; Bright; 38.5; 164; 44Eta Peg ; 2.95; 5400;occ; 77; 0;49828
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8; 5723.0; 09-SEP-2011 09:53:44; Dark ; 46.0; 177; 1Zet CMA ; 3.02; 26000;occ; 92; 0;49820
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11; 6605.8; 09-SEP-2011 10:08:27; Dark ; 40.5; 143; Alp Hyi ; 2.86; 7200;occ; 81; 0;49821
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3; 3048.5; 09-SEP-2011 10:49:24; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;49821
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4; -242.7; 12-SEP-2011 21:26:11; Dark ; 46.0; 177; 1Zet CMA ; 3.02; 26000;occ; 92; 0;49870
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9; 2405.3; 12-SEP-2011 22:10:19; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;49871
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6; 2171.4; 12-SEP-2011 23:46:39; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49872
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3; -129.6; 14-SEP-2011 23:35:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49900
4; 1058.8; 14-SEP-2011 23:54:52; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;49901
5; 2166.1; 15-SEP-2011 00:13:19; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49901
6; 2397.4; 15-SEP-2011 00:17:10; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49901
7; 3009.9; 15-SEP-2011 00:27:23; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;49901
8; 3117.1; 15-SEP-2011 00:29:10; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49901
9; 4458.7; 15-SEP-2011 00:51:32; Bright; 63.0; 24; 66Alp Gem ; 1.58; 10200;occ; 126; 0;49901
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2; 2166.8; 14-SEP-2011 19:12:38; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49898
3; 2398.1; 14-SEP-2011 19:16:29; Bright; 42.0; 93; 53Bet Peg ; 2.52; 3100;occ; 84; 0;49898
4; 3011.5; 14-SEP-2011 19:26:43; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49898
5; 3118.7; 14-SEP-2011 19:28:30; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49898
6; 4458.4; 14-SEP-2011 19:50:49; Bright; 43.5; 24; 66Alp Gem ; 1.58; 10200;occ; 87; 0;49898
7; 4977.2; 14-SEP-2011 19:59:28; Dark ; 53.5; 8; 10Alp CMI ; 0.40; 6500;occ; 107; 0;49898
8; 5520.7; 14-SEP-2011 20:08:32; Dark ; 64.0; 1; 9Alp CMA ; -1.44; 11000;occ; 128; 0;49898

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3; -128.6; 15-SEP-2011 01:15:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49901
4; 716.6; 15-SEP-2011 01:29:23; Dark ; 53.5; 9; Alp Eri ; 0.45; 24000;occ; 107; 0;49902
5; 1059.1; 15-SEP-2011 01:35:06; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;49902
6; 1516.0; 15-SEP-2011 01:42:43; Dark ; 26.0; 52; 16Bet Cet ; 2.04; 4500;occ; 52; 0;49902
7; 2165.9; 15-SEP-2011 01:53:33; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49902
8; 2397.1; 15-SEP-2011 01:57:24; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49902
9; 2519.6; 15-SEP-2011 01:59:26; Bright; 26.0; 58; 21Alp And ; 2.07; 11000;occ; 52; 0;49902
10; 3009.5; 15-SEP-2011 02:07:36; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49902
11; 3116.5; 15-SEP-2011 02:09:23; Bright; 38.5; 76; 27Gam Cas ; 2.30; 30000;occ; 77; 0;49902
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13; 4979.3; 15-SEP-2011 02:40:26; Dark ; 51.0; 8; 10Alp CMi ; 0.40; 6500;occ; 102; 0;49902
14; 5639.1; 15-SEP-2011 02:51:26; Dark ; 40.0; 47; 2Bet CMA ; 1.98; 28000;occ; 80; 0;49902
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16; 6731.2; 15-SEP-2011 03:09:38; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;49903
17; 7073.6; 15-SEP-2011 03:15:20; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;49903
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21; 8532.9; 15-SEP-2011 03:39:40; Bright; 26.0; 58; 21Alp And ; 2.07; 11000;occ; 52; 0;49903
22; 9023.1; 15-SEP-2011 03:47:50; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;49903
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3; -487.9; 15-SEP-2011 04:29:47; Dark ; 60.5; 1; 9Alp CMA ; -1.44; 11000;occ; 121; 0;49903
4; -373.5; 15-SEP-2011 04:31:41; Dark ; 40.0; 47; 2Bet CMA ; 1.98; 28000;occ; 80; 0;49903
5; -126.8; 15-SEP-2011 04:35:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49903
6; 717.7; 15-SEP-2011 04:49:52; Dark ; 50.5; 9; Alp Eri ; 0.45; 24000;occ; 101; 0;49904
7; 1059.9; 15-SEP-2011 04:55:35; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;49904
8; 1516.3; 15-SEP-2011 05:03:11; Dark ; 31.0; 52; 16Bet Cet ; 2.04; 4500;occ; 62; 0;49904
9; 2165.6; 15-SEP-2011 05:14:00; Bright; 40.5; 90; 54Alp Peg ; 2.49; 11000;occ; 81; 0;49904
10; 2396.7; 15-SEP-2011 05:17:51; Bright; 42.0; 93; 53Bet Peg ; 2.52; 3100;occ; 84; 0;49904
11; 2518.4; 15-SEP-2011 05:19:53; Bright; 33.0; 58; 21Alp And ; 2.07; 11000;occ; 66; 0;49904
12; 3008.8; 15-SEP-2011 05:28:04; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49904
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3; -486.8; 15-SEP-2011 06:10:02; Dark ; 59.0; 1; 9Alp CMA ; -1.44; 11000;occ; 118; 0;49904
4; -372.3; 15-SEP-2011 06:11:56; Dark ; 34.0; 47; 2Bet CMA ; 1.98; 28000;occ; 68; 0;49904
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6; 718.2; 15-SEP-2011 06:30:07; Dark ; 52.0; 9; Alp Eri ; 0.45; 24000;occ; 104; 0;49905
7; 1060.3; 15-SEP-2011 06:35:49; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49905
8; 1516.3; 15-SEP-2011 06:43:25; Dark ; 31.0; 52; 16Bet Cet ; 2.04; 4500;occ; 62; 0;49905
9; 2165.3; 15-SEP-2011 06:54:14; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49905
10; 2396.5; 15-SEP-2011 06:58:05; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49905
11; 2517.6; 15-SEP-2011 07:00:06; Bright; 33.0; 58; 21Alp And ; 2.07; 11000;occ; 66; 0;49905
12; 3008.4; 15-SEP-2011 07:08:17; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49905
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4; 2394.4; 15-SEP-2011 20:19:55; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49913
5; 2512.4; 15-SEP-2011 20:21:53; Bright; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;49913
6; 3004.6; 15-SEP-2011 20:30:05; Bright; 60.0; 74; 11Bet Cas ; 2.27; 6600;occ; 120; 0;49913
7; 3110.0; 15-SEP-2011 20:31:51; Bright; 63.0; 76; 27Gam Cas ; 2.30; 30000;occ; 126; 0;49913
8; 4460.3; 15-SEP-2011 20:54:21; Bright; 45.0; 24; 66Alp Gem ; 1.58; 10200;occ; 90; 0;49913
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7; 2163.7; 15-SEP-2011 23:36:32; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49915
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9; 2511.0; 15-SEP-2011 23:42:19; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49915
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9; 5662.7; 15-SEP-2011 12:53:13; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;49908
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5; 3006.1; 15-SEP-2011 15:29:25; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49910
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7; 3102.3; 16-SEP-2011 21:35:12; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49928
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6; 2992.5; 17-SEP-2011 20:56:38; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49942
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6; 2993.0; 17-SEP-2011 19:16:25; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49941
7; 3095.3; 17-SEP-2011 19:18:07; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49941
8; 4464.0; 17-SEP-2011 19:40:56; Bright; 65.0; 24; 66Alp Gem ; 1.58; 10200;occ; 130; 0;49941
9; 5001.1; 17-SEP-2011 19:49:53; Dark ; 56.0; 8; 10Alp CMI ; 0.40; 6500;occ; 112; 0;49941
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11; 5691.8; 17-SEP-2011 20:01:23; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;49941
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3; -87.5; 18-SEP-2011 01:06:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49944
4; 1076.0; 18-SEP-2011 01:25:23; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49945
5; 1522.2; 18-SEP-2011 01:32:49; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;49945
6; 2159.8; 18-SEP-2011 01:43:27; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49945
7; 2387.6; 18-SEP-2011 01:47:15; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49945
8; 2492.7; 18-SEP-2011 01:49:00; Bright; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;49945
9; 2991.4; 18-SEP-2011 01:57:19; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49945
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8; 2387.5; 18-SEP-2011 03:27:29; Bright; 56.0; 93; 53Bet Peg ; 2.52; 3100;occ; 112; 0;49946
9; 2492.3; 18-SEP-2011 03:29:13; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49946
10; 2991.0; 18-SEP-2011 03:37:32; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;49946
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6; 1077.3; 18-SEP-2011 06:26:07; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;49948
7; 1522.8; 18-SEP-2011 06:33:32; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;49948
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9; 2387.2; 18-SEP-2011 06:47:56; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49948
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11; 2990.1; 18-SEP-2011 06:57:59; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49948
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2; 1524.0; 18-SEP-2011 19:55:25; Dark ; 55.0; 52; 16Bet Cet ; 2.04; 4500;occ; 110; 0;49956
3; 2158.6; 18-SEP-2011 20:06:00; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49956
4; 2385.6; 18-SEP-2011 20:09:47; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49956
5; 2486.6; 18-SEP-2011 20:11:28; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49956
6; 2986.9; 18-SEP-2011 20:19:48; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49956
7; 3087.3; 18-SEP-2011 20:21:28; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49956
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5; 743.3; 18-SEP-2011 21:22:38; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;49957
6; 1080.5; 18-SEP-2011 21:28:16; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;49957
7; 1524.0; 18-SEP-2011 21:35:39; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;49957
8; 2158.5; 18-SEP-2011 21:46:13; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49957
9; 2385.4; 18-SEP-2011 21:50:00; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49957
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11; 2986.6; 18-SEP-2011 22:00:02; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;49957
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6; 1077.7; 18-SEP-2011 08:06:21; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;49949
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3; 2490.5; 18-SEP-2011 08:29:54; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;49949
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5; 3091.0; 18-SEP-2011 08:39:54; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49949
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7; 5005.7; 18-SEP-2011 09:11:49; Dark ; 65.0; 8; 10Alp CMI ; 0.40; 6500;occ; 130; 0;49949
8; 5577.9; 18-SEP-2011 09:21:21; Dark ; 64.5; 1; 9Alp CMA ; -1.44; 11000;occ; 129; 0;49949
9; 5698.8; 18-SEP-2011 09:23:22; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;49949
10; 5931.3; 18-SEP-2011 09:27:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49949
11; 7092.0; 18-SEP-2011 09:46:35; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;49950
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9; 5699.7; 18-SEP-2011 11:03:37; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;49950
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6; 4465.3; 18-SEP-2011 12:23:16; Bright; 47.0; 24; 66Alp Gem ; 1.58; 10200;occ; 94; 0;49951
7; 5006.8; 18-SEP-2011 12:32:18; Dark ; 57.5; 8; 10Alp CMI ; 0.40; 6500;occ; 115; 0;49951
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3; 2488.7; 18-SEP-2011 13:30:34; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;49952
4; 2988.6; 18-SEP-2011 13:38:54; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49952
5; 3089.4; 18-SEP-2011 13:40:34; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;49952
6; 4465.4; 18-SEP-2011 14:03:30; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;49952
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6; 3089.0; 18-SEP-2011 15:20:48; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49953

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8; 5008.9; 18-SEP-2011 17:33:02; Dark ; 60.0; 8; 10Alp CMI ; 0.40; 6500;occ; 120; 0;49954
9; 5584.1; 18-SEP-2011 17:42:37; Dark ; 73.5; 1; 9Alp CMA ; -1.44; 11000;occ; 147; 0;49954
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4; 2156.9; 19-SEP-2011 22:49:41; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49972
5; 2382.9; 19-SEP-2011 22:53:27; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;49972
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7; 2980.8; 19-SEP-2011 23:03:25; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49972
8; 3079.2; 19-SEP-2011 23:05:03; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;49972
9; 4468.0; 19-SEP-2011 23:28:12; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;49972
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5; 1091.3; 20-SEP-2011 23:35:25; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49987
6; 1528.5; 20-SEP-2011 23:42:42; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;49987
7; 2380.7; 20-SEP-2011 23:56:54; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49987

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11; 4469.9; 21-SEP-2011 00:31:44; Bright; 47.0; 24; 66Alp Gem ; 1.58; 10200;occ; 94; 0;49987
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4; 2977.0; 20-SEP-2011 15:45:41; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49982
5; 3074.4; 20-SEP-2011 15:47:18; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;49982
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12; 2974.0; 21-SEP-2011 05:07:29; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49990
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1; -334.9; 21-SEP-2011 22:34:54; Dark ; 56.5; 37; 25Del CMA ; 1.83; 5900;occ; 113; 0;50000
2; -224.0; 21-SEP-2011 22:36:45; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;50000
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1; 1095.8; 21-SEP-2011 21:18:31; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;50000
2; 1530.2; 21-SEP-2011 21:25:45; Dark ; 52.5; 52; 16Bet Cet ; 2.04; 4500;occ; 105; 0;50000
3; 2155.1; 21-SEP-2011 21:36:10; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;50000
4; 2379.0; 21-SEP-2011 21:39:54; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;50000
5; 2463.9; 21-SEP-2011 21:41:19; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;50000
6; 2970.4; 21-SEP-2011 21:49:46; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;50000
7; 3065.4; 21-SEP-2011 21:51:21; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;50000
8; 4471.6; 21-SEP-2011 22:14:47; Bright; 48.5; 24; 66Alp Gem ; 1.58; 10200;occ; 97; 0;50000
9; 5038.8; 21-SEP-2011 22:24:14; Dark ; 60.5; 8; 10Alp CMI ; 0.40; 6500;occ; 121; 0;50000
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2; 1096.4; 22-SEP-2011 00:38:59; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;50002
3; 1530.6; 22-SEP-2011 00:46:14; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;50002
4; 2154.8; 22-SEP-2011 00:56:38; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;50002
5; 2378.7; 22-SEP-2011 01:00:22; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;50002
6; 2462.9; 22-SEP-2011 01:01:46; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;50002
7; 2969.7; 22-SEP-2011 01:10:13; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50002
8; 3064.5; 22-SEP-2011 01:11:47; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50002
9; 4471.9; 22-SEP-2011 01:35:15; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;50002
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2; -222.5; 22-SEP-2011 01:57:14; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;50002
3; 1.5; 22-SEP-2011 02:00:58; Dark ; 49.0; 161; Tau Pup ; 2.93; 4500;occ; 98; 0;50002
4; 132.9; 22-SEP-2011 02:03:10; Dark ; 43.0; 108; Alp Col ; 2.65; 15200;occ; 86; 0;50003
5; 1096.8; 22-SEP-2011 02:19:14; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;50003
6; 1530.8; 22-SEP-2011 02:26:28; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;50003
7; 2378.6; 22-SEP-2011 02:40:35; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;50003
8; 2462.5; 22-SEP-2011 02:41:59; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;50003
9; 2969.4; 22-SEP-2011 02:50:26; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;50003
10; 3063.9; 22-SEP-2011 02:52:01; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;50003
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2; -973.1; 22-SEP-2011 03:24:58; Dark ; 70.5; 8; 10Alp CMI ; 0.40; 6500;occ; 141; 0;50003
3; -331.9; 22-SEP-2011 03:35:39; Dark ; 55.5; 37; 25Del CMA ; 1.83; 5900;occ; 111; 0;50003
4; -221.6; 22-SEP-2011 03:37:29; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;50003
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1; 91.9; 22-SEP-2011 22:05:16; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;50015
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1; 1532.5; 23-SEP-2011 00:09:31; Dark ; 50.5; 52; 16Bet Cet ; 2.04; 4500;occ; 101; 0;50016
2; 2456.8; 23-SEP-2011 00:24:55; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;50016
3; 3057.7; 23-SEP-2011 00:34:56; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;50016
4; 4473.8; 23-SEP-2011 00:58:32; Bright; 50.0; 24; 66Alp Gem ; 1.58; 10200;occ; 100; 0;50016
5; 5050.3; 23-SEP-2011 01:08:09; Dark ; 65.5; 8; 10Alp CMI ; 0.40; 6500;occ; 131; 0;50016
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1; -249.1; 23-SEP-2011 01:20:03; Dark ; 57.0; 23; 21Eps CMA ; 1.50; 26000;occ; 114; 0;50016
2; 10.8; 23-SEP-2011 01:24:23; Dark ; 47.0; 161; Tau Pup ; 2.93; 4500;occ; 94; 0;50017
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1; 911.7; 26-SEP-2011 19:51:58; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 80;50071
2; 3033.2; 26-SEP-2011 20:27:20; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;50071
3; 4565.0; 26-SEP-2011 20:52:52; Bright; 26.5; 17; 78Bet Gem ; 1.16; 4500;occ; 53; 0;50071
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2; -188.2; 26-SEP-2011 21:13:52; Dark ; 55.5; 23; 21Eps CMA ; 1.50; 26000;occ; 111; 0;50071
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2;-1450.0; 26-SEP-2011 12:31:41; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;50066
3; -491.6; 26-SEP-2011 12:47:39; Dark ; 49.0; 132; 15Rho Pup ; 2.80; 6900;occ; 98; 0;50066
4; -287.6; 26-SEP-2011 12:51:03; Dark ; 50.0; 88; 31Eta CMA ; 2.45; 20000;occ; 100; 0;50066
5; -194.0; 26-SEP-2011 12:52:37; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;50066
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2; 3035.1; 26-SEP-2011 13:46:26; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50067
3; 4564.2; 26-SEP-2011 14:11:55; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;50067
4; 5727.2; 26-SEP-2011 14:31:18; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50067
5; 5821.1; 26-SEP-2011 14:32:52; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;50067
6; 6883.3; 26-SEP-2011 14:50:34; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50068
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1; 2183.8; 26-SEP-2011 15:12:28; Bright; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;50068
2; 3034.7; 26-SEP-2011 15:26:39; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;50068
3; 4564.4; 26-SEP-2011 15:52:09; Bright; 35.0; 17; 78Bet Gem ; 1.16; 4500;occ; 70; 0;50068
4; 5728.3; 26-SEP-2011 16:11:33; Dark ; 49.5; 88; 31Eta CMA ; 2.45; 20000;occ; 99; 0;50068
5; 5822.4; 26-SEP-2011 16:13:07; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;50068
6; 6884.2; 26-SEP-2011 16:30:49; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;50069
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2; 3034.1; 26-SEP-2011 17:06:53; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50069
3; 4564.8; 26-SEP-2011 17:32:23; Bright; 35.0; 17; 78Bet Gem ; 1.16; 4500;occ; 70; 0;50069
4; 5729.2; 26-SEP-2011 17:51:48; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50069
5; 5823.5; 26-SEP-2011 17:53:22; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;50069
6; 6885.0; 26-SEP-2011 18:11:04; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50070
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1;-2980.4; 26-SEP-2011 18:47:06; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;50070
2;-1449.2; 26-SEP-2011 19:12:37; Bright; 27.0; 17; 78Bet Gem ; 1.16; 4500;occ; 54; 0;50070
3; -283.9; 26-SEP-2011 19:32:03; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50070
4; -189.4; 26-SEP-2011 19:33:37; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;50070
5; 871.7; 26-SEP-2011 19:51:18; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50071
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2; 3026.9; 27-SEP-2011 21:30:43; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50086
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1; -268.0; 27-SEP-2011 22:16:02; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50086
2; -170.7; 27-SEP-2011 22:17:39; Dark ; 48.5; 23; 21Eps CMA ; 1.50; 26000;occ; 97; 0;50086
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1; 54.5; 27-SEP-2011 10:39:47; Dark ; 44.5; 161; Tau Pup ; 2.93; 4500;occ; 89; 0;50080
2; 138.1; 27-SEP-2011 10:41:10; Dark ; 58.5; 2; Alp Car ; -0.74; 7000;occ; 117; 0;50080
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2; 2944.7; 27-SEP-2011 11:27:57; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50080
3; 3029.6; 27-SEP-2011 11:29:22; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50080
4; 5532.6; 27-SEP-2011 12:11:05; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;50080
5; 5739.9; 27-SEP-2011 12:14:32; Dark ; 50.0; 88; 31Eta CMA ; 2.45; 20000;occ; 100; 0;50080
6; 5836.1; 27-SEP-2011 12:16:08; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;50080
7; 5947.0; 27-SEP-2011 12:17:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;50080
8; 6069.1; 27-SEP-2011 12:20:01; Dark ; 43.0; 161; Tau Pup ; 2.93; 4500;occ; 86; 0;50081
9; 6152.7; 27-SEP-2011 12:21:25; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;50081
10; 6893.5; 27-SEP-2011 12:33:46; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50081
11; 7555.6; 27-SEP-2011 12:44:48; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;50081
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2; 2944.4; 27-SEP-2011 13:08:11; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;50081
3; 3029.2; 27-SEP-2011 13:09:35; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50081
4; 5533.4; 27-SEP-2011 13:51:20; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;50081
5; 5740.9; 27-SEP-2011 13:54:47; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50081
6; 5837.4; 27-SEP-2011 13:56:24; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;50081
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2; 2944.3; 27-SEP-2011 14:48:24; Bright; 37.0; 74; 11Bet Cas ; 2.27; 6600;occ; 74; 0;50082
3; 3028.8; 27-SEP-2011 14:49:49; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;50082
4; 5534.2; 27-SEP-2011 15:31:34; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;50082

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2; 3028.4; 27-SEP-2011 16:30:02; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50083
3; 5743.0; 27-SEP-2011 17:15:17; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50083
4; 5839.9; 27-SEP-2011 17:16:54; Dark ; 65.5; 23; 21Eps CMA ; 1.50; 26000;occ; 131; 0;50083
5; 6895.9; 27-SEP-2011 17:34:30; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;50084
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2; 3027.9; 27-SEP-2011 18:10:16; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50084
3; 5743.9; 27-SEP-2011 18:55:32; Dark ; 48.0; 88; 31Eta CMA ; 2.45; 20000;occ; 96; 0;50084
4; 6896.6; 27-SEP-2011 19:14:45; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;50085
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2; 3027.3; 27-SEP-2011 19:50:29; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50085
3; 5744.9; 27-SEP-2011 20:35:47; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50085
4; 5842.1; 27-SEP-2011 20:37:24; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;50085
5; 6897.5; 27-SEP-2011 20:55:00; Dark ; 23.5; 157; The1Eri ; 2.91; 9300;occ; 47; 0;50086
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2; 3025.4; 28-SEP-2011 04:11:37; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50090
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2; -165.8; 28-SEP-2011 04:58:40; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000;occ; 109; 0;50090
3; 887.1; 28-SEP-2011 05:16:13; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50091
4; 3024.9; 28-SEP-2011 05:51:51; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;50091
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3; 3021.2; 28-SEP-2011 20:53:53; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50100
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2; -164.5; 28-SEP-2011 06:38:55; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;50091
3; 887.8; 28-SEP-2011 06:56:28; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;50092
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1; 2941.4; 28-SEP-2011 07:30:41; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50092
2; 3024.6; 28-SEP-2011 07:32:04; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;50092
3; 5751.8; 28-SEP-2011 08:17:32; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50092
4; 5850.6; 28-SEP-2011 08:19:11; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;50092
5; 6902.7; 28-SEP-2011 08:36:43; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;50093
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1; -2989.8; 28-SEP-2011 09:12:18; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50093
2; -261.0; 28-SEP-2011 09:57:47; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50093
3; -162.1; 28-SEP-2011 09:59:26; Dark ; 61.0; 23; 21Eps CMA ; 1.50; 26000;occ; 122; 0;50093
4; 889.5; 28-SEP-2011 10:16:57; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50094
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2; 3023.7; 28-SEP-2011 10:52:31; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50094
3; 5754.0; 28-SEP-2011 11:38:02; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50094
4; 5853.1; 28-SEP-2011 11:39:41; Dark ; 57.0; 23; 21Eps CMA ; 1.50; 26000;occ; 114; 0;50094
5; 6904.2; 28-SEP-2011 11:57:12; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50095
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2; -258.9; 28-SEP-2011 13:18:17; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50095
3; -159.6; 28-SEP-2011 13:19:56; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000;occ; 109; 0;50095
4; 891.1; 28-SEP-2011 13:37:27; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50096
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2; -257.9; 28-SEP-2011 14:58:32; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;50096
3; -158.6; 28-SEP-2011 15:00:11; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;50096
4; 891.7; 28-SEP-2011 15:17:41; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;50097
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1; 1544.0; 28-SEP-2011 15:28:34; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500;occ; 100; 0;50097
2; 2176.3; 28-SEP-2011 15:39:06; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;50097
3; 2426.2; 28-SEP-2011 15:43:16; Bright; 41.5; 58; 21Alp And ; 2.07; 11000;occ; 83; 0;50097

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4; 3022.5; 28-SEP-2011 15:53:12; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;50097
5; 5757.1; 28-SEP-2011 16:38:47; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50097
6; 5856.7; 28-SEP-2011 16:40:26; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;50097
7; 6906.4; 28-SEP-2011 16:57:56; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50098
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2; -256.0; 28-SEP-2011 18:19:02; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50098
3; -156.2; 28-SEP-2011 18:20:41; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;50098
4; 68.2; 28-SEP-2011 18:24:26; Dark ; 45.0; 161; Tau Pup ; 2.93; 4500;occ; 90; 0;50099
5; 152.0; 28-SEP-2011 18:25:50; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;50099
6; 893.2; 28-SEP-2011 18:38:11; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50099
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2; -254.9; 28-SEP-2011 19:59:17; Dark ; 52.0; 88; 31Eta CMA ; 2.45; 20000;occ; 104; 0;50099
3; -154.9; 28-SEP-2011 20:00:57; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;50099
4; 68.9; 28-SEP-2011 20:04:40; Dark ; 50.5; 161; Tau Pup ; 2.93; 4500;occ; 101; 0;50100
5; 152.6; 28-SEP-2011 20:06:04; Dark ; 59.0; 2; Alp Car ; -0.74; 7000;occ; 118; 0;50100
6; 894.0; 28-SEP-2011 20:18:26; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50100
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2; 155.6; 29-SEP-2011 02:47:03; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;50104
3; 897.0; 29-SEP-2011 02:59:24; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;50104
4; 2652.5; 29-SEP-2011 03:28:40; Bright; 41.0; 53; 43Bet And ; 2.05; 3300;occ; 82; 0;50104
5; 3019.6; 29-SEP-2011 03:34:47; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50104
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2; -147.5; 29-SEP-2011 06:02:28; Dark ; 60.0; 23; 21Eps CMA ; 1.50; 26000;occ; 120; 0;50105
3; 898.5; 29-SEP-2011 06:19:54; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50106
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2; 2643.5; 30-SEP-2011 01:11:32; Bright; 49.0; 53; 43Bet And ; 2.05; 3300;occ; 98; 0;50117
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2; 2642.2; 30-SEP-2011 04:31:59; Bright; 49.0; 53; 43Bet And ; 2.05; 3300;occ; 98; 0;50119
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2; 2641.6; 30-SEP-2011 06:12:12; Bright; 45.5; 53; 43Bet And ; 2.05; 3300;occ; 91; 0;50120
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1; -869.9; 30-SEP-2011 11:54:37; Dark ; 52.5; 8; 10Alp CMI ; 0.40; 6500;occ; 105; 0;50123

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