

GOMOS Daily Report 30-MAY-2009

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	03JUN2009 15:05:28
Data source version	GOMOS/5.00
Start time of products	30MAY2009 00:11:58
Stop time of products	30MAY2009 23:46:24
Store outputs in DB	Yes
Nb of level 1b prods	70
Nb of prods with errors	0

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

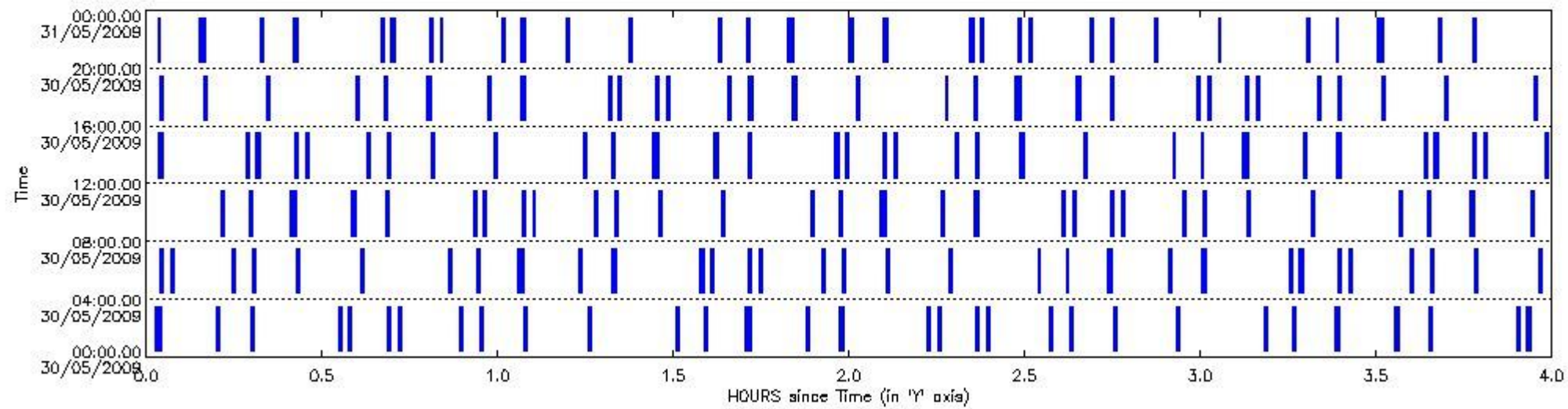
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

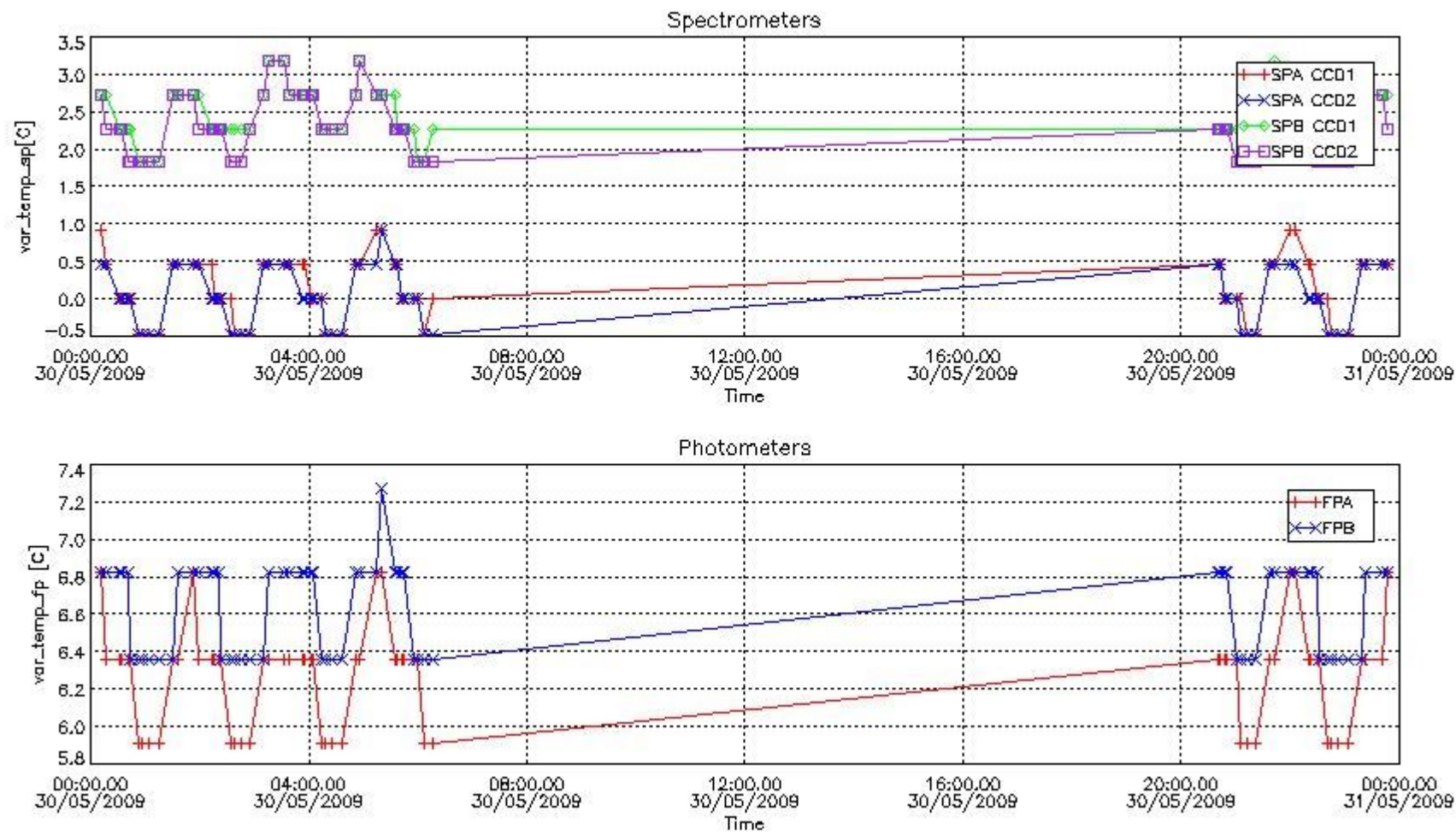
No missing products.

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_1PNPDE20090530_001158_000000392079_00259_37888_6922.N1	30-MAY-2009 00:11:58	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37888	No
2	GOM_TRA_1PNPDE20090530_001742_000000422079_00260_37889_6923.N1	30-MAY-2009 00:17:42	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37889	No
3	GOM_TRA_1PNPDE20090530_003243_000000372079_00260_37889_6924.N1	30-MAY-2009 00:32:43	Twilight	37.000	38	20Eps Sgr	1.8360	11000.	74	37889	No
4	GOM_TRA_1PNPDE20090530_003426_000000392079_00260_37889_6925.N1	30-MAY-2009 00:34:26	Twilight	38.500	116	19Del Sgr	2.7000	4100.0	77	37889	No
5	GOM_TRA_1PNPDE20090530_004103_000000342079_00260_37889_6926.N1	30-MAY-2009 00:41:03	Bright	34.000	86	35Eta Oph	2.4300	10200.	68	37889	No
6	GOM_TRA_1PNPDE20090530_004256_000000312079_00260_37889_6927.N1	30-MAY-2009 00:42:56	Bright	31.000	98	13Zet Oph	2.5710	30000.	62	37889	No
7	GOM_TRA_1PNPDE20090530_005328_000000342079_00260_37889_6928.N1	30-MAY-2009 00:53:28	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	37889	No
8	GOM_TRA_1PNPDE20090530_005658_000000352079_00260_37889_6929.N1	30-MAY-2009 00:56:58	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	37889	No
9	GOM_TRA_1PNPDE20090530_010430_000000352079_00260_37889_6930.N1	30-MAY-2009 01:04:30	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	37889	No
10	GOM_TRA_1PNPDE20090530_011520_000000322079_00260_37889_6931.N1	30-MAY-2009 01:15:20	Twilight	32.000	89	5Alp Cep	2.4510	8000.0	64	37889	No
11	GOM_TRA_1PNPDE20090530_013025_000000282079_00260_37889_6932.N1	30-MAY-2009 01:30:25	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37889	No
12	GOM_TRA_1PNPDE20090530_013514_000000292079_00260_37889_6933.N1	30-MAY-2009 01:35:14	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37889	No

13	GOM_TRA_1PNPDE20090530_015235_000000392079_00260_37889_7077.N1	30-MAY-2009 01:52:35	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37889	No
14	GOM_TRA_1PNPDE20090530_015820_000000422079_00261_37890_7078.N1	30-MAY-2009 01:58:20	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37890	No
15	GOM_TRA_1PNPDE20090530_021319_000000382079_00261_37890_7079.N1	30-MAY-2009 02:13:19	Tw_i_and_stray	37.500	38	20Eps Sgr	1.8360	11000.	75	37890	No
16	GOM_TRA_1PNPDE20090530_021503_000000392079_00261_37890_7080.N1	30-MAY-2009 02:15:03	Tw_i_and_stray	39.000	116	19Del Sgr	2.7000	4100.0	78	37890	No
17	GOM_TRA_1PNPDE20090530_022138_000000342079_00261_37890_7081.N1	30-MAY-2009 02:21:38	Bright	34.000	86	35Eta Oph	2.4300	10200.	68	37890	No
18	GOM_TRA_1PNPDE20090530_022332_000000322079_00261_37890_7082.N1	30-MAY-2009 02:23:32	Bright	31.500	98	13Zet Oph	2.5710	30000.	63	37890	No
19	GOM_TRA_1PNPDE20090530_023403_000000342079_00261_37890_7083.N1	30-MAY-2009 02:34:03	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	37890	No
20	GOM_TRA_1PNPDE20090530_023733_000000352079_00261_37890_7084.N1	30-MAY-2009 02:37:33	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	37890	No
21	GOM_TRA_1PNPDE20090530_024505_000000352079_00261_37890_7085.N1	30-MAY-2009 02:45:05	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	37890	No
22	GOM_TRA_1PNPDE20090530_025555_000000322079_00261_37890_7086.N1	30-MAY-2009 02:55:55	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	37890	No
23	GOM_TRA_1PNPDE20090530_031101_000000292079_00261_37890_7223.N1	30-MAY-2009 03:11:01	Tw_i_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37890	No
24	GOM_TRA_1PNPDE20090530_031550_000000302079_00261_37890_7224.N1	30-MAY-2009 03:15:50	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37890	No
25	GOM_TRA_1PNPDE20090530_033312_000000392079_00261_37890_7225.N1	30-MAY-2009 03:33:12	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37890	No
26	GOM_TRA_1PNPDE20090530_033857_000000422079_00262_37891_7226.N1	30-MAY-2009 03:38:57	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37891	No
27	GOM_TRA_1PNPDE20090530_035356_000000382079_00262_37891_7227.N1	30-MAY-2009 03:53:56	Tw_i_and_stray	37.500	38	20Eps Sgr	1.8360	11000.	75	37891	No
28	GOM_TRA_1PNPDE20090530_035539_000000392079_00262_37891_7228.N1	30-MAY-2009 03:55:39	Tw_i_and_stray	39.000	116	19Del Sgr	2.7000	4100.0	78	37891	No
29	GOM_TRA_1PNPDE20090530_040215_000000352079_00262_37891_7229.N1	30-MAY-2009 04:02:15	Bright	34.500	86	35Eta Oph	2.4300	10200.	69	37891	No
30	GOM_TRA_1PNPDE20090530_040408_000000322079_00262_37891_7230.N1	30-MAY-2009 04:04:08	Bright	31.500	98	13Zet Oph	2.5710	30000.	63	37891	No
31	GOM_TRA_1PNPDE20090530_041439_000000352079_00262_37891_7231.N1	30-MAY-2009 04:14:39	Bright	34.500	127	27Bet Her	2.7810	4700.0	69	37891	No
32	GOM_TRA_1PNPDE20090530_041809_000000352079_00262_37891_7232.N1	30-MAY-2009 04:18:09	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	37891	No
33	GOM_TRA_1PNPDE20090530_042540_000000352079_00262_37891_7233.N1	30-MAY-2009 04:25:40	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	37891	No
34	GOM_TRA_1PNPDE20090530_043630_000000322079_00262_37891_7447.N1	30-MAY-2009 04:36:30	Tw_i_and_stray	32.000	89	5Alp Cep	2.4510	8000.0	64	37891	No
35	GOM_TRA_1PNPDE20090530_045137_000000292079_00262_37891_7448.N1	30-MAY-2009 04:51:37	Tw_i_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37891	No
36	GOM_TRA_1PNPDE20090530_045626_000000302079_00262_37891_7449.N1	30-MAY-2009 04:56:26	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37891	No
37	GOM_TRA_1PNPDE20090530_051350_000000392079_00262_37891_7450.N1	30-MAY-2009 05:13:50	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37891	No
38	GOM_TRA_1PNPDE20090530_051934_000000422079_00263_37892_7451.N1	30-MAY-2009 05:19:34	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37892	No
39	GOM_TRA_1PNPDE20090530_053432_000000382079_00263_37892_7452.N1	30-MAY-2009 05:34:32	Tw_i_and_stray	37.500	38	20Eps Sgr	1.8360	11000.	75	37892	No
40	GOM_TRA_1PNPDE20090530_053616_000000392079_00263_37892_7453.N1	30-MAY-2009 05:36:16	Tw_i_and_stray	38.500	116	19Del Sgr	2.7000	4100.0	77	37892	No
41	GOM_TRA_1PNPDE20090530_054251_000000342079_00263_37892_7454.N1	30-MAY-2009 05:42:51	Bright	34.000	86	35Eta Oph	2.4300	10200.	68	37892	No
42	GOM_TRA_1PNPDE20090530_054444_000000312079_00263_37892_7455.N1	30-MAY-2009 05:44:44	Bright	31.000	98	13Zet Oph	2.5710	30000.	62	37892	No
43	GOM_TRA_1PNPDE20090530_055514_000000342079_00263_37892_7456.N1	30-MAY-2009 05:55:14	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	37892	No
44	GOM_TRA_1PNPDE20090530_055844_000000352079_00263_37892_7457.N1	30-MAY-2009 05:58:44	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	37892	No
45	GOM_TRA_1PNPDE20090530_060616_000000352079_00263_37892_7458.N1	30-MAY-2009 06:06:16	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	37892	No
46	GOM_TRA_1PNPDE20090530_061706_000000172079_00263_37892_7459.N1	30-MAY-2009 06:17:06	Tw_i_and_stray	17.000	89	5Alp Cep	2.4510	8000.0	34	37892	No
47	GOM_TRA_1PNPDE20090530_204001_000000372079_00272_37901_7897.N1	30-MAY-2009 20:40:01	Tw_i_and_stray	37.000	38	20Eps Sgr	1.8360	11000.	74	37901	No
48	GOM_TRA_1PNPDE20090530_204144_000000392079_00272_37901_7898.N1	30-MAY-2009 20:41:44	Tw_i_and_stray	38.500	116	19Del Sgr	2.7000	4100.0	77	37901	No
49	GOM_TRA_1PNPDE20090530_204815_000000342079_00272_37901_7899.N1	30-MAY-2009 20:48:15	Bright	33.500	86	35Eta Oph	2.4300	10200.	67	37901	No
50	GOM_TRA_1PNPDE20090530_205008_000000312079_00272_37901_7900.N1	30-MAY-2009 20:50:08	Bright	31.000	98	13Zet Oph	2.5710	30000.	62	37901	No
51	GOM_TRA_1PNPDE20090530_210035_000000332079_00272_37901_7901.N1	30-MAY-2009 21:00:35	Bright	33.000	127	27Bet Her	2.7810	4700.0	66	37901	No
52	GOM_TRA_1PNPDE20090530_210402_000000352079_00272_37901_7902.N1	30-MAY-2009 21:04:02	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	37901	No
53	GOM_TRA_1PNPDE20090530_211133_000000352079_00272_37901_7903.N1	30-MAY-2009 21:11:33	Bright	34.500	130	23Bet Dra	2.7990	5800.0	69	37901	No
54	GOM_TRA_1PNPDE20090530_212224_000000322079_00272_37901_7904.N1	30-MAY-2009 21:22:24	Tw_i_and_stray	32.000	89	5Alp Cep	2.4510	8000.0	64	37901	No
55	GOM_TRA_1PNPDE20090530_213738_000000282079_00272_37901_7905.N1	30-MAY-2009 21:37:38	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37901	No
56	GOM_TRA_1PNPDE20090530_214230_000000302079_00272_37901_7906.N1	30-MAY-2009 21:42:30	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37901	No
57	GOM_TRA_1PNPDE20090530_220001_000000402079_00272_37901_8034.N1	30-MAY-2009 22:00:01	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37901	No
58	GOM_TRA_1PNPDE20090530_220546_000000422079_00273_37902_8035.N1	30-MAY-2009 22:05:46	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37902	No
59	GOM_TRA_1PNPDE20090530_222038_000000372079_00273_37902_8036.N1	30-MAY-2009 22:20:38	Tw_i_and_stray	36.500	38	20Eps Sgr	1.8360	11000.	73	37902	No
60	GOM_TRA_1PNPDE20090530_222221_000000392079_00273_37902_8037.N1	30-MAY-2009 22:22:21	Tw_i_and_stray	38.500	116	19Del Sgr	2.7000	4100.0	77	37902	No
61	GOM_TRA_1PNPDE20090530_222852_000000332079_00273_37902_8038.N1	30-MAY-2009 22:28:52	Bright	33.000	86	35Eta Oph	2.4300	10200.	66	37902	No
62	GOM_TRA_1PNPDE20090530_223044_000000312079_00273_37902_8039.N1	30-MAY-2009 22:30:44	Bright	30.500	98	13Zet Oph	2.5710	30000.	61	37902	No
63	GOM_TRA_1PNPDE20090530_224110_000000342079_00273_37902_8040.N1	30-MAY-2009 22:41:10	Bright	33.500	127	27Bet Her	2.7810	4700.0	67	37902	No
64	GOM_TRA_1PNPDE20090530_224438_000000352079_00273_37902_8041.N1	30-MAY-2009 22:44:38	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	37902	No
65	GOM_TRA_1PNPDE20090530_225208_000000352079_00273_37902_8042.N1	30-MAY-2009 22:52:08	Bright	34.500	130	23Bet Dra	2.7990	5800.0	69	37902	No
66	GOM_TRA_1PNPDE20090530_230259_000000322079_00273_37902_8043.N1	30-MAY-2009 23:02:59	Tw_i_and_stray	32.000	89	5Alp Cep	2.4510	8000.0	64	37902	No
67	GOM_TRA_1PNPDE20090530_231815_000000282079_00273_37902_8044.N1	30-MAY-2009 23:18:15	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37902	No
68	GOM_TRA_1PNPDE20090530_232307_000000302079_00273_37902_8045.N1	30-MAY-2009 23:23:07	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37902	No
69	GOM_TRA_1PNPDE20090530_234038_000000392079_00273_37902_8157.N1	30-MAY-2009 23:40:38	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37902	No
70	GOM_TRA_1PNPDE20090530_234624_000000422079_00274_37903_8158.N1	30-MAY-2009 23:46:24	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37903	No

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



4. Overview of dark signal processing per product

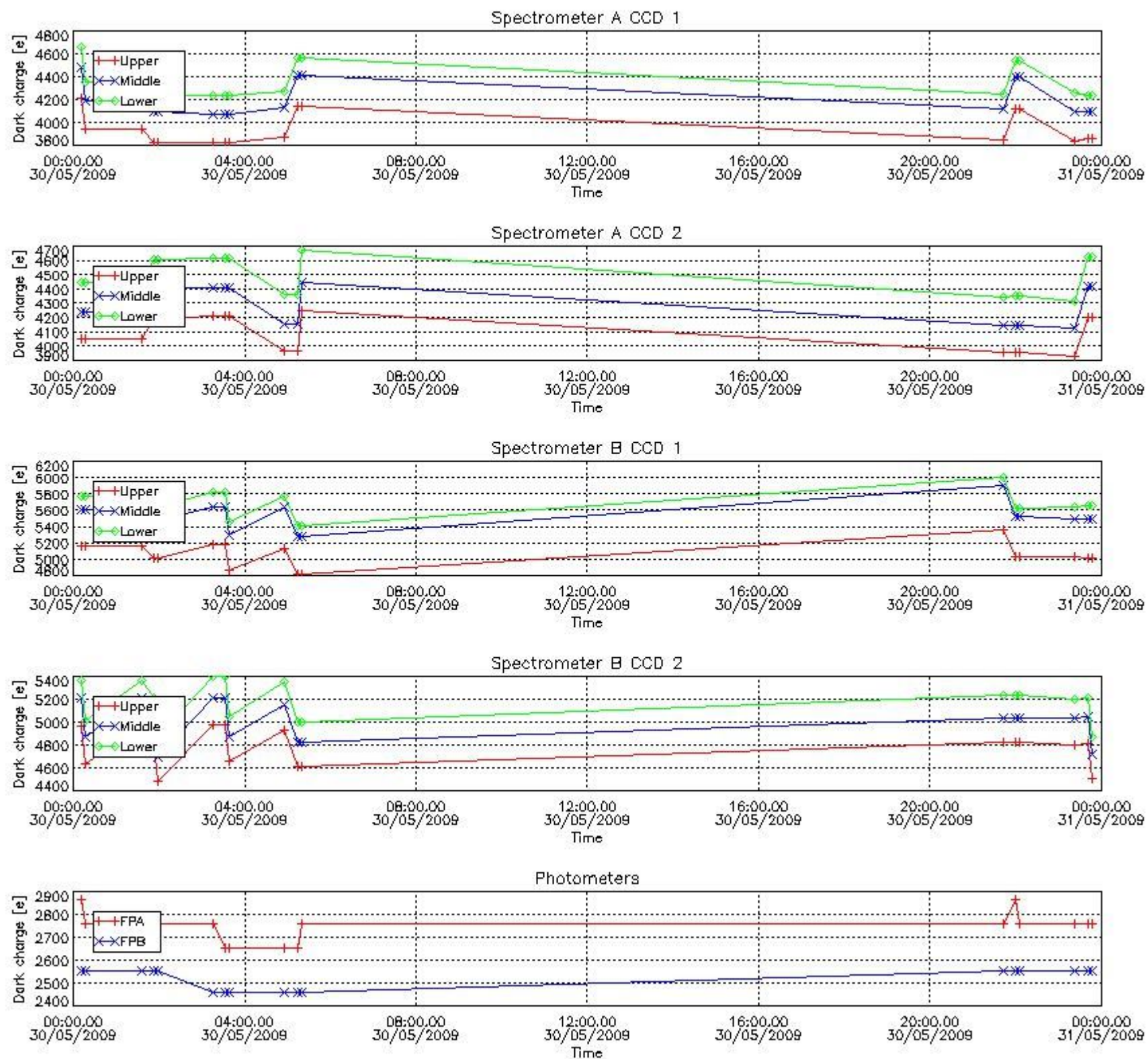
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20090530_001158_000000392079_00259_37888_6922.N1	DC map used
GOM_TRA_1PNPDE20090530_001742_000000422079_00260_37889_6923.N1	DC map used
GOM_TRA_1PNPDE20090530_003243_000000372079_00260_37889_6924.N1	DC map used
GOM_TRA_1PNPDE20090530_003426_000000392079_00260_37889_6925.N1	DC map used
GOM_TRA_1PNPDE20090530_004103_000000342079_00260_37889_6926.N1	DC map used
GOM_TRA_1PNPDE20090530_004256_000000312079_00260_37889_6927.N1	DC map used
GOM_TRA_1PNPDE20090530_005328_000000342079_00260_37889_6928.N1	DC map used
GOM_TRA_1PNPDE20090530_005658_000000352079_00260_37889_6929.N1	DC map used
GOM_TRA_1PNPDE20090530_010430_000000352079_00260_37889_6930.N1	DC map used
GOM_TRA_1PNPDE20090530_011520_000000322079_00260_37889_6931.N1	DC map used
GOM_TRA_1PNPDE20090530_013025_000000282079_00260_37889_6932.N1	DC map used

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



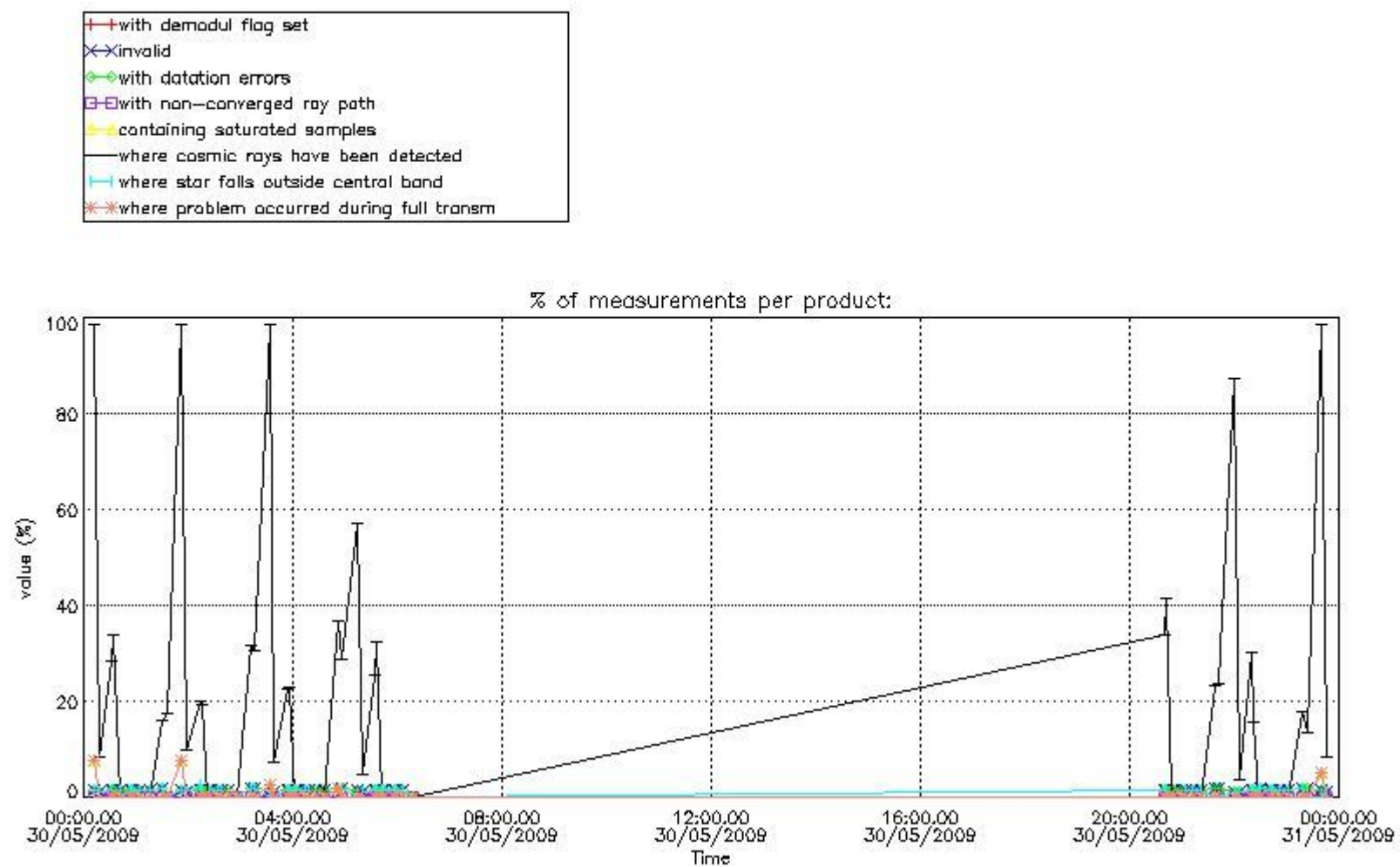
5. Demodulation flag and quality information monitoring

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.

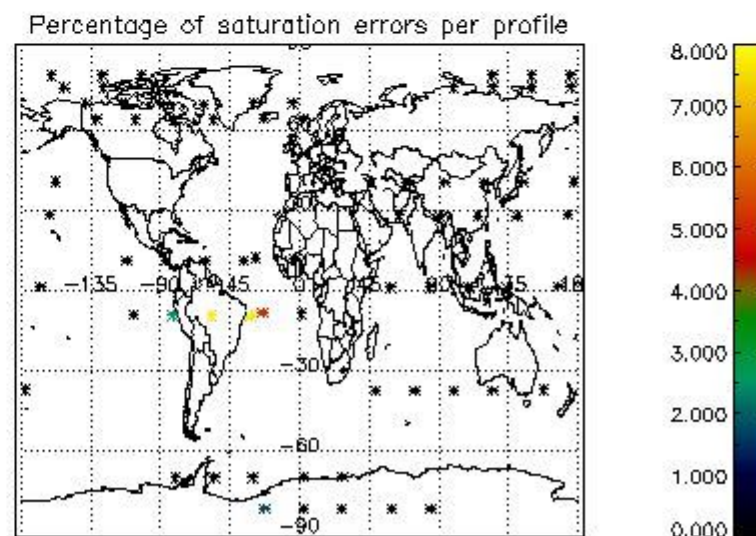
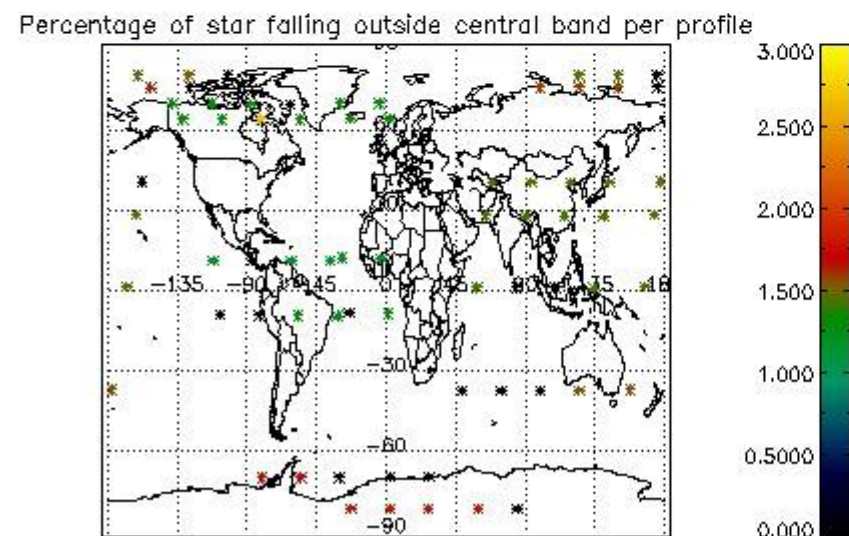
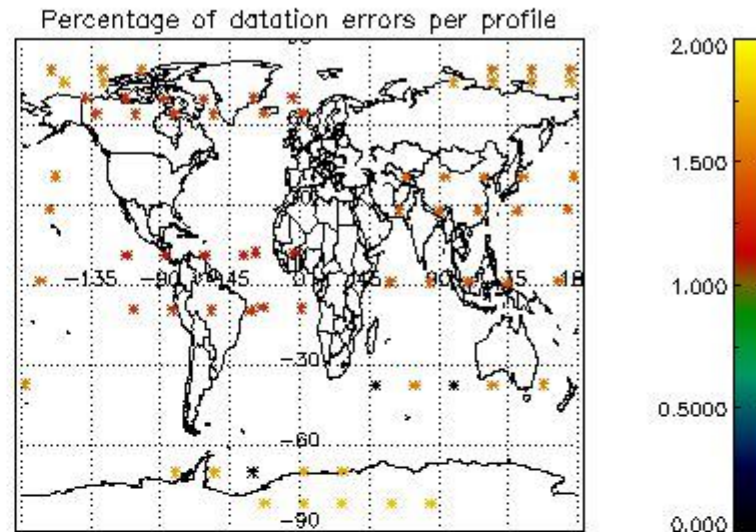
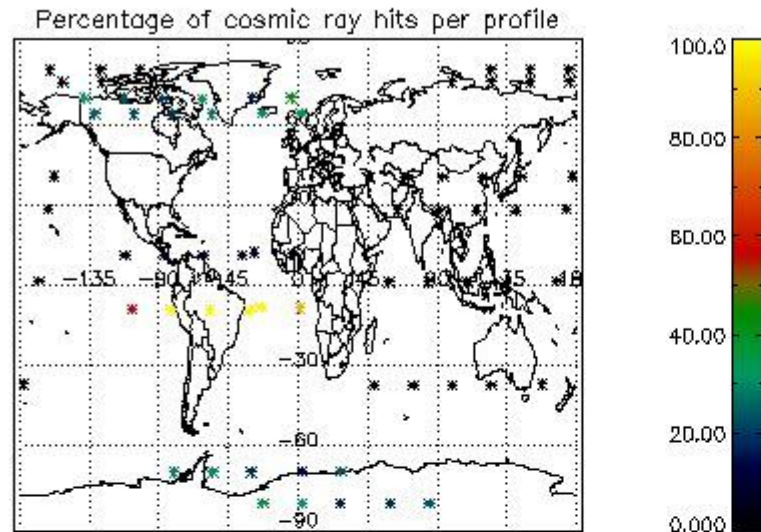
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	27.1429 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



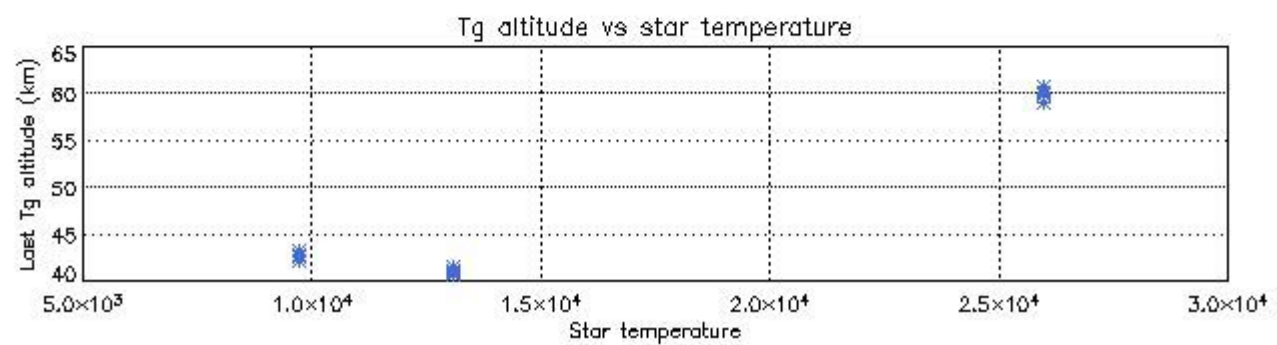
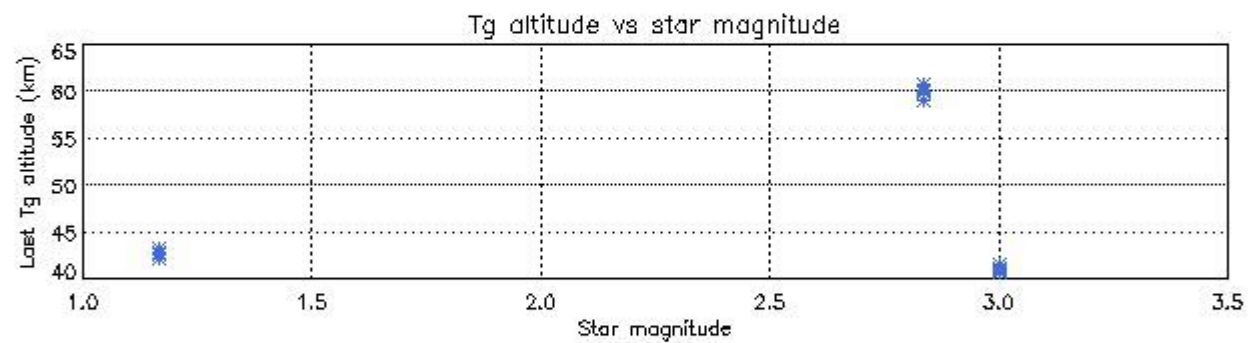
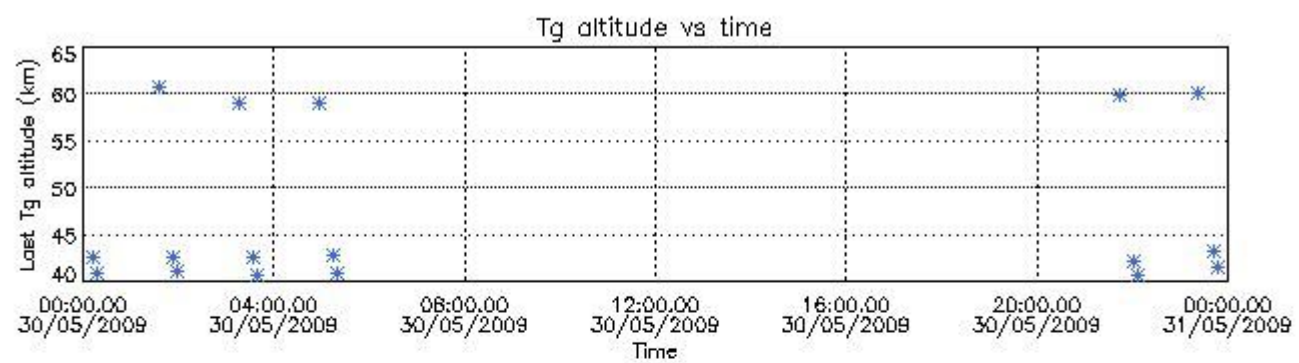
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	47.076	43.928	NaN
St. deviation:	8.4756	2.1254	NaN
Maximum:	60.811	47.351	NaN
Minimum:	40.686	40.634	NaN
Number of data:	17.000	30.000	NaN

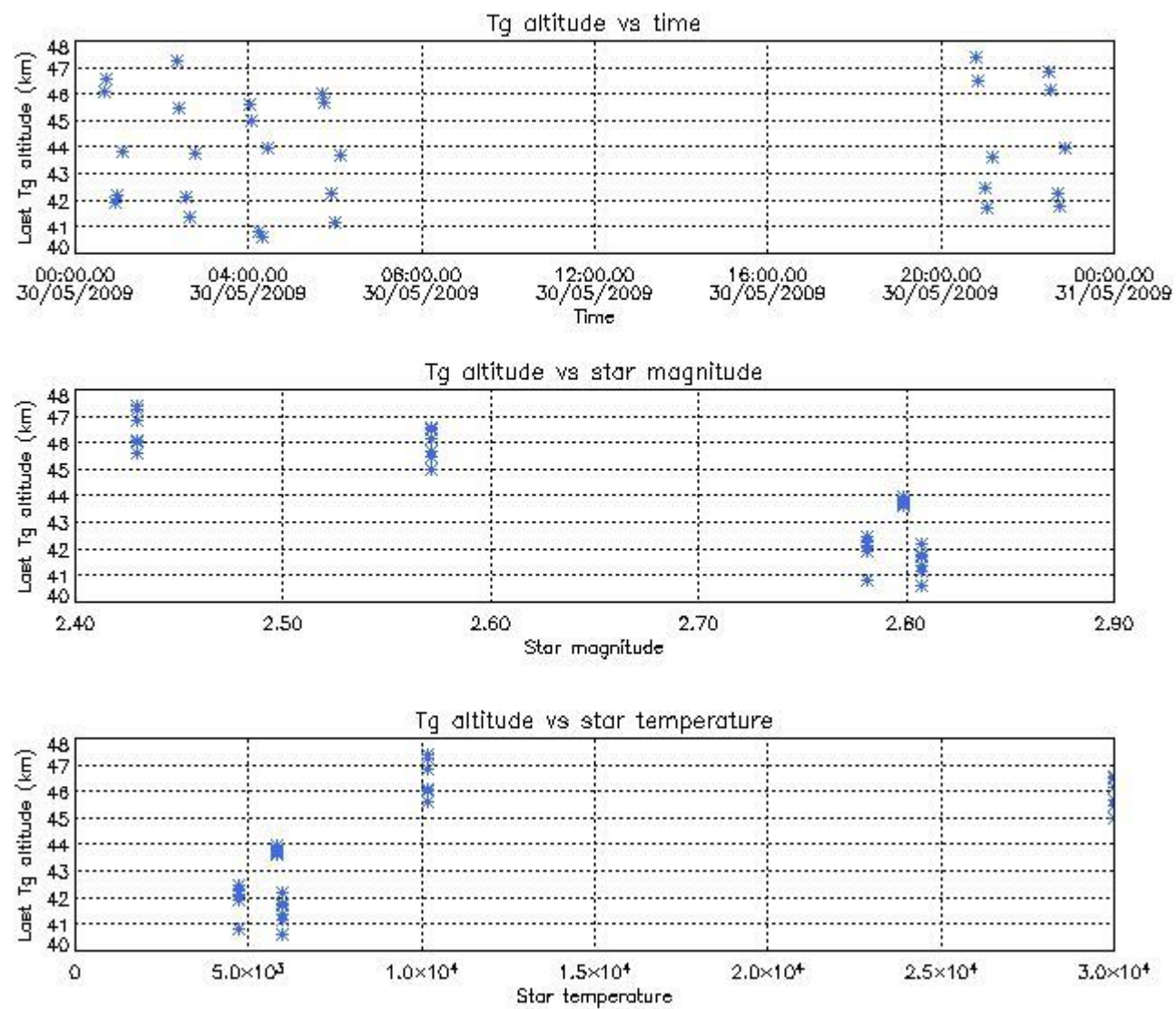
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

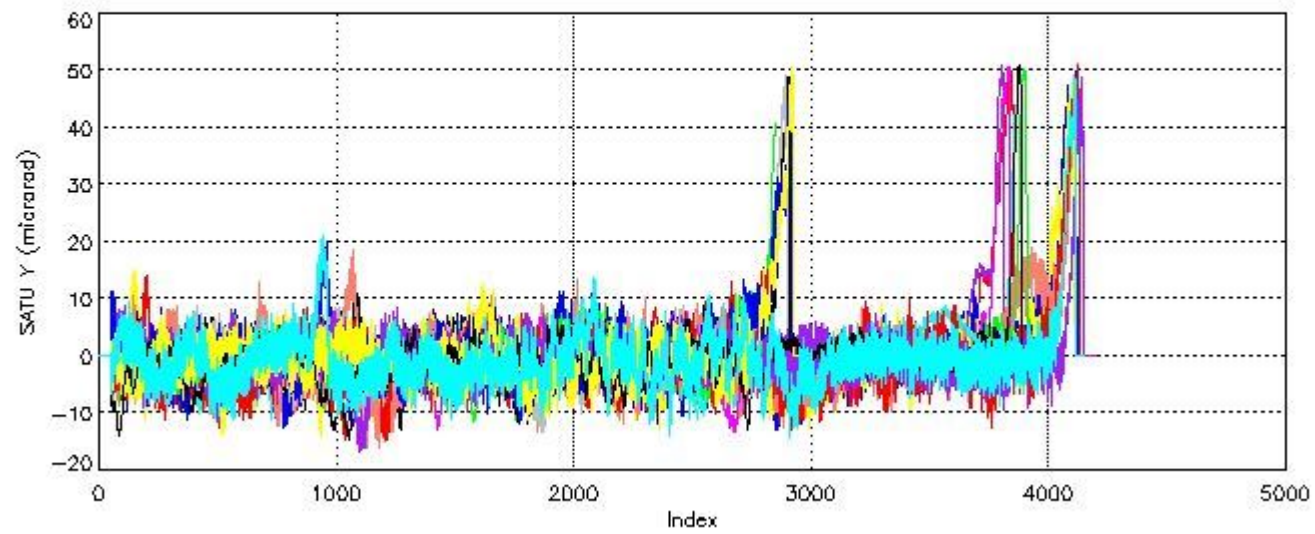
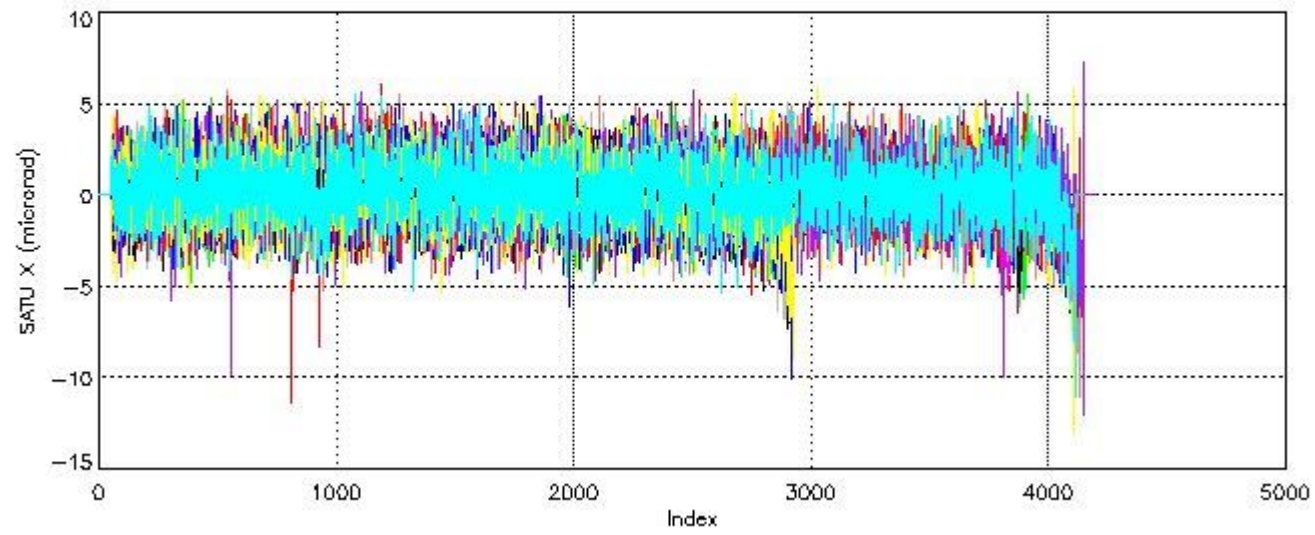


7. Star Acquisition and Tracking Unit (SATU)

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:	0.36160	-1.5374	0.37418	-1.2035
St. deviation:	1.1838	3.7036	0.97475	3.2934
Maximum:	6.0000	21.000	4.6000	12.500
Minimum:	-11.400	-17.000	-3.9000	-22.700

Number of data:	20650.	20650.	30700.	30700.
-----------------	--------	--------	--------	--------

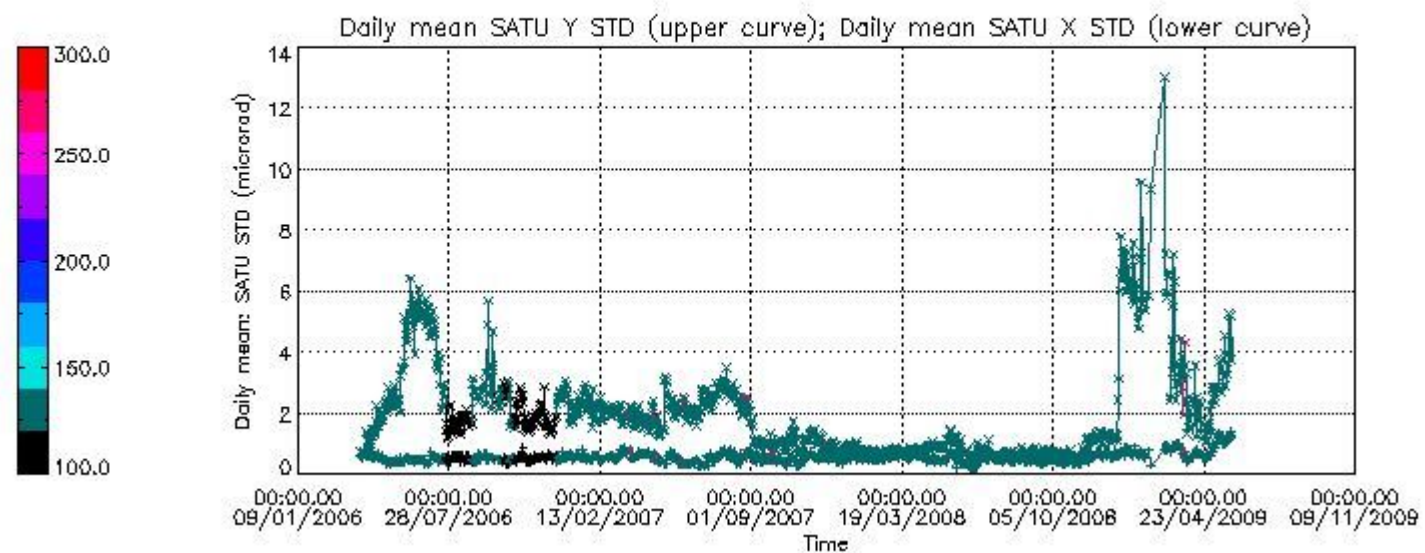
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

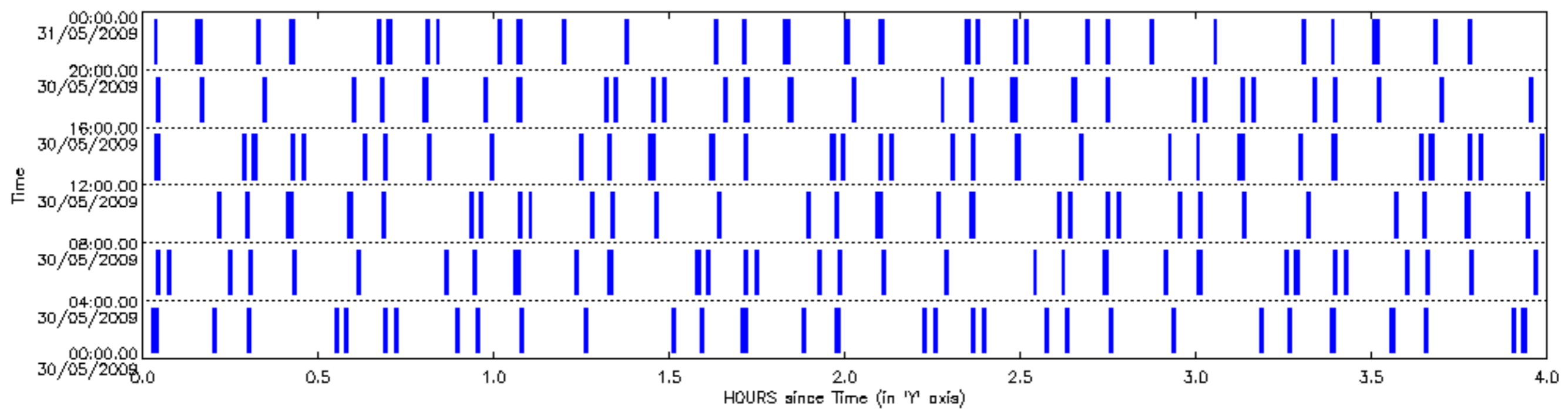
Lower curve: STD of SATU X axis

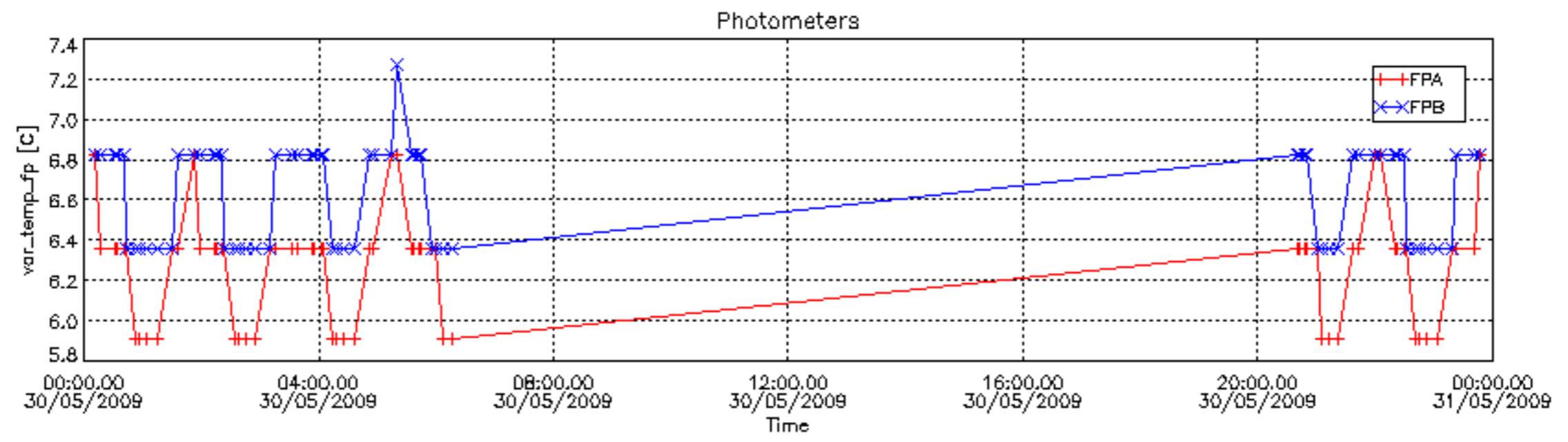
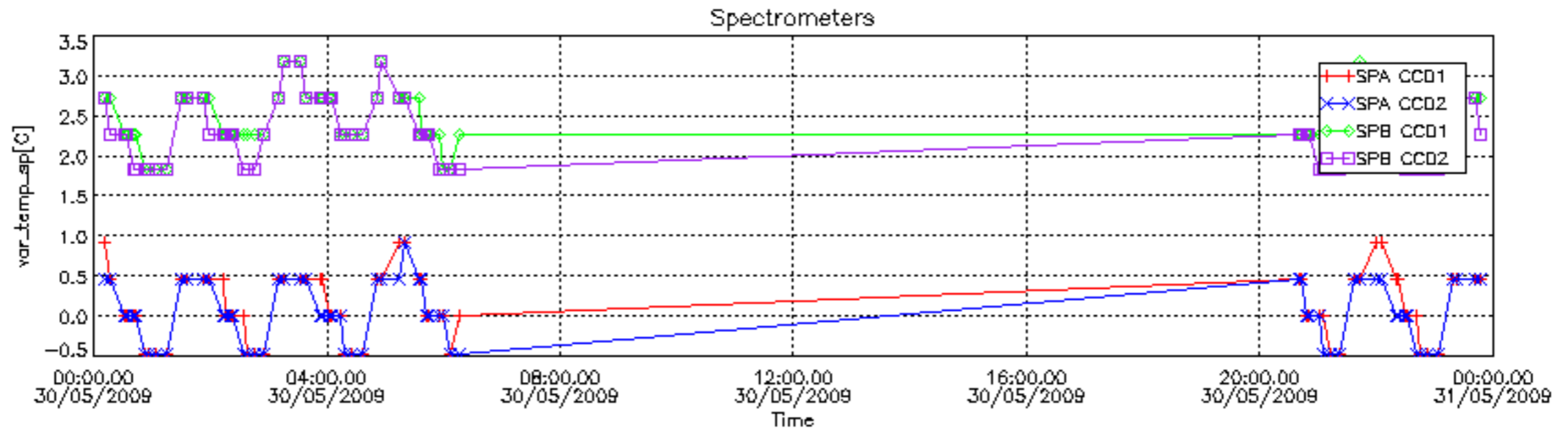


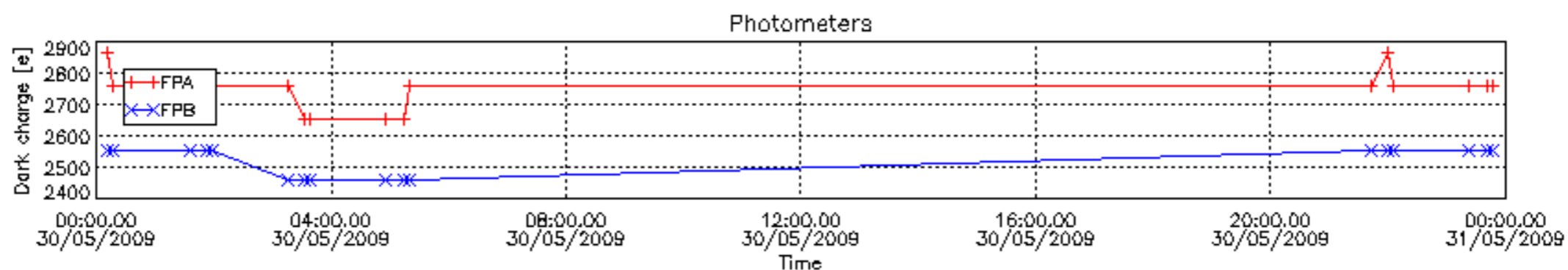
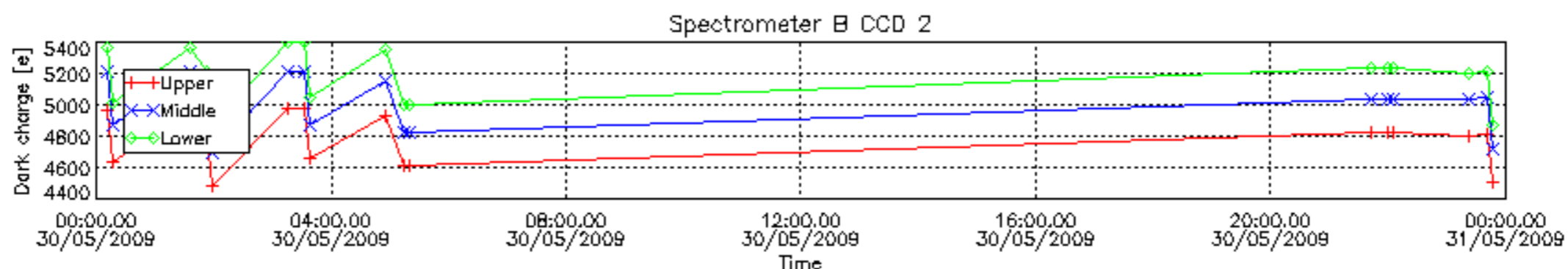
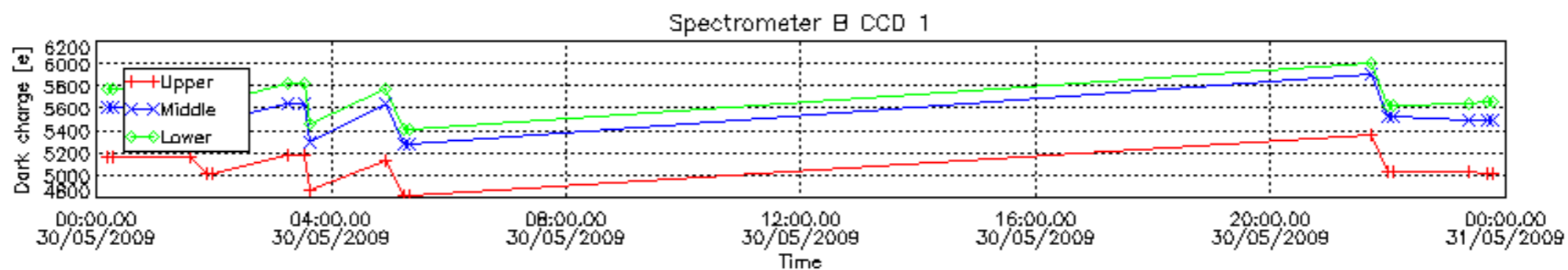
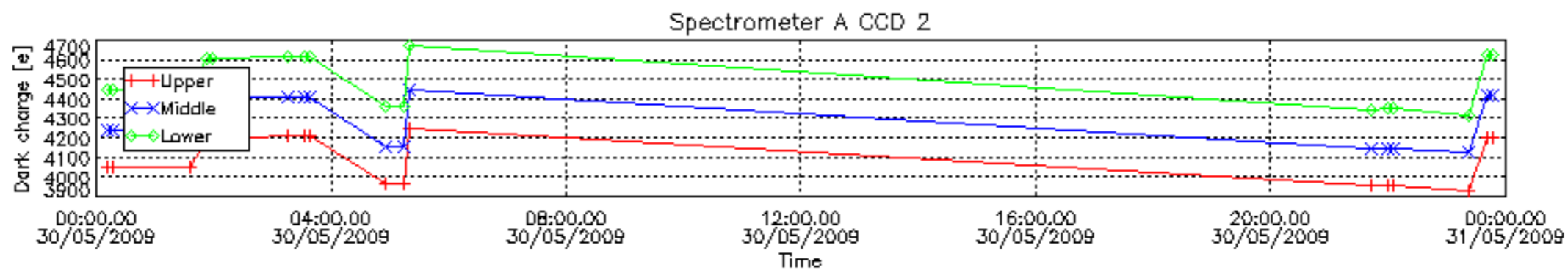
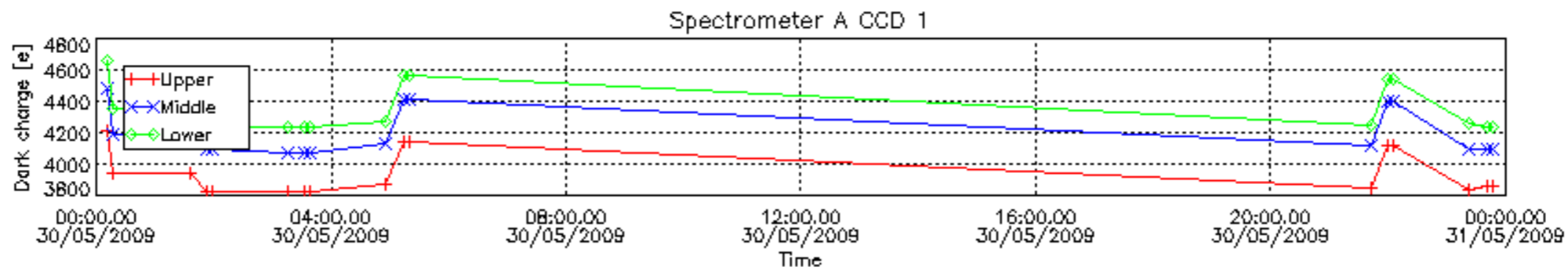
8. Auxiliary Data Files used for the production reported in section 2.4

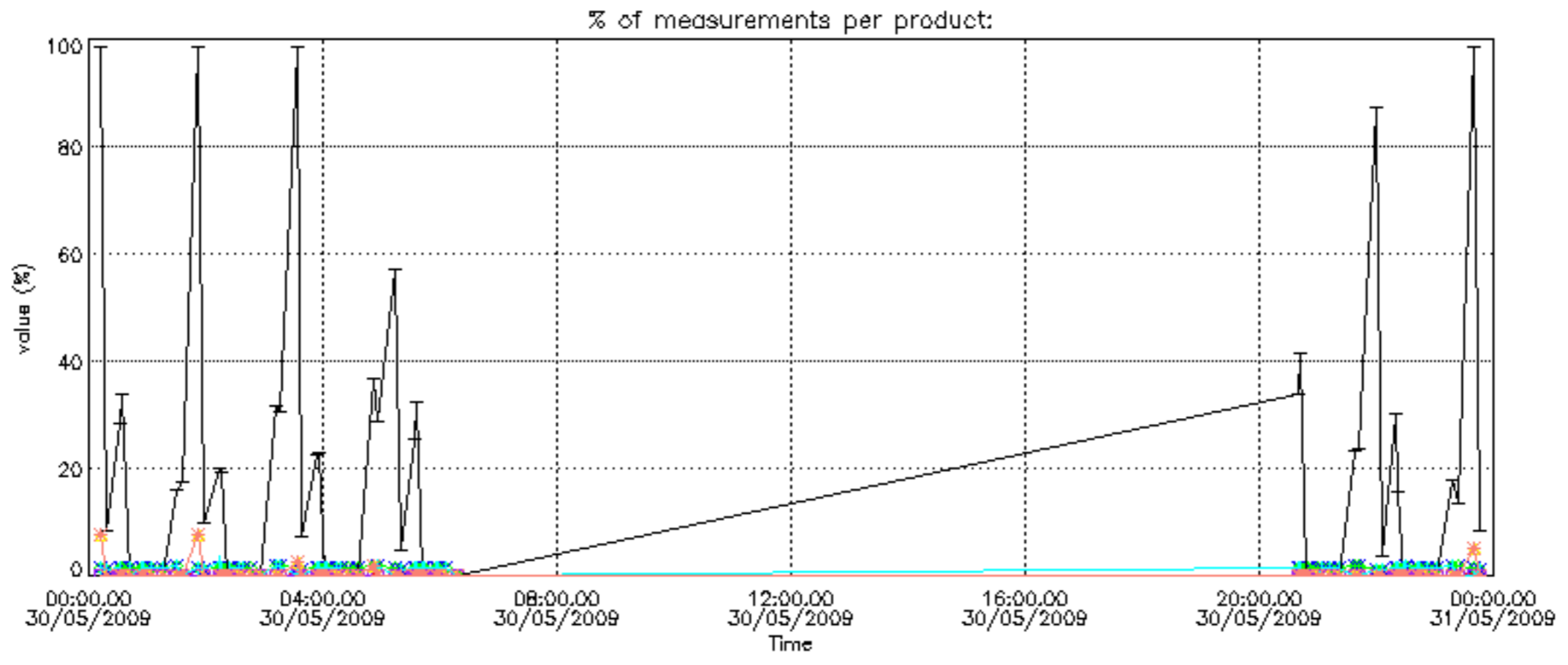
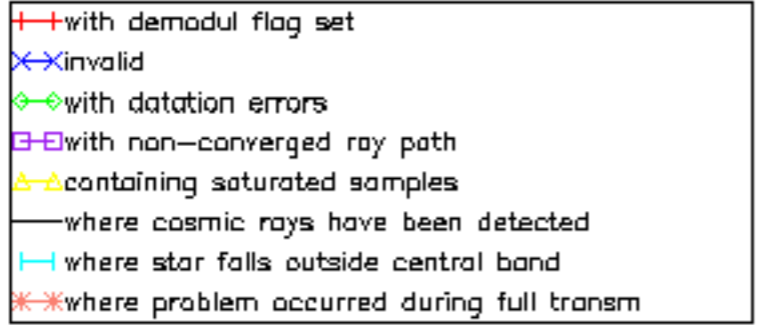
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	30-MAY-2009 00:11:58
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090526_074004_20090517_000000_20100101_000000	1	30-MAY-2009 00:11:58
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	30-MAY-2009 00:11:58
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	30-MAY-2009 00:11:58
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	30-MAY-2009 00:11:58
ECMWF_FILE	AUX_ECF_AXNECM20090529_064112_20090529_210000_20090530_090000	1	30-MAY-2009 00:11:58
ECMWF_FILE	AUX_ECF_AXNECM20090529_190117_20090530_030000_20090530_150000	23	30-MAY-2009 03:11:01
ECMWF_FILE	AUX_ECF_AXNECM20090530_070113_20090530_150000_20090531_030000	47	30-MAY-2009 20:40:01
ECMWF_FILE	AUX_ECF_AXNECM20090530_070114_20090530_210000_20090531_090000	57	30-MAY-2009 22:00:01
OPTIONAL_ECMWF_FILE	MISSING	1	30-MAY-2009 00:11:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090529_221805_000057382079_00258_37887_8045.N1	1	30-MAY-2009 00:11:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090529_235902_000057382079_00259_37888_8046.N1	13	30-MAY-2009 01:52:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090530_013959_000044632079_00260_37889_8047.N1	23	30-MAY-2009 03:11:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090530_025941_000054192079_00261_37890_8048.N1	34	30-MAY-2009 04:36:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090530_203141_000041442079_00272_37901_8050.N1	47	30-MAY-2009 20:40:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090530_214605_000057382079_00272_37901_8051.N1	69	30-MAY-2009 23:40:38

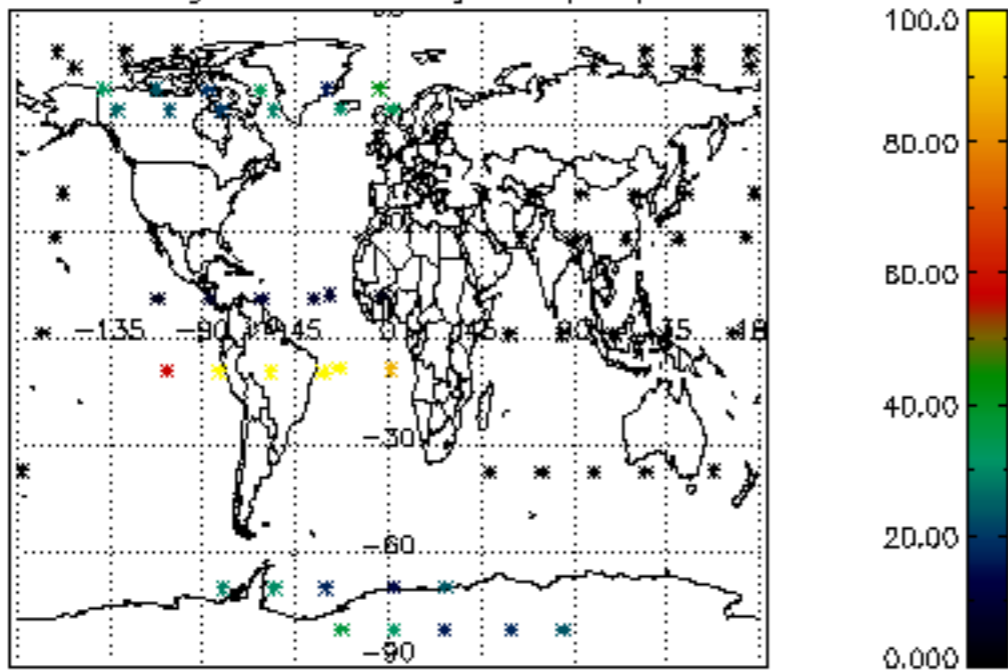




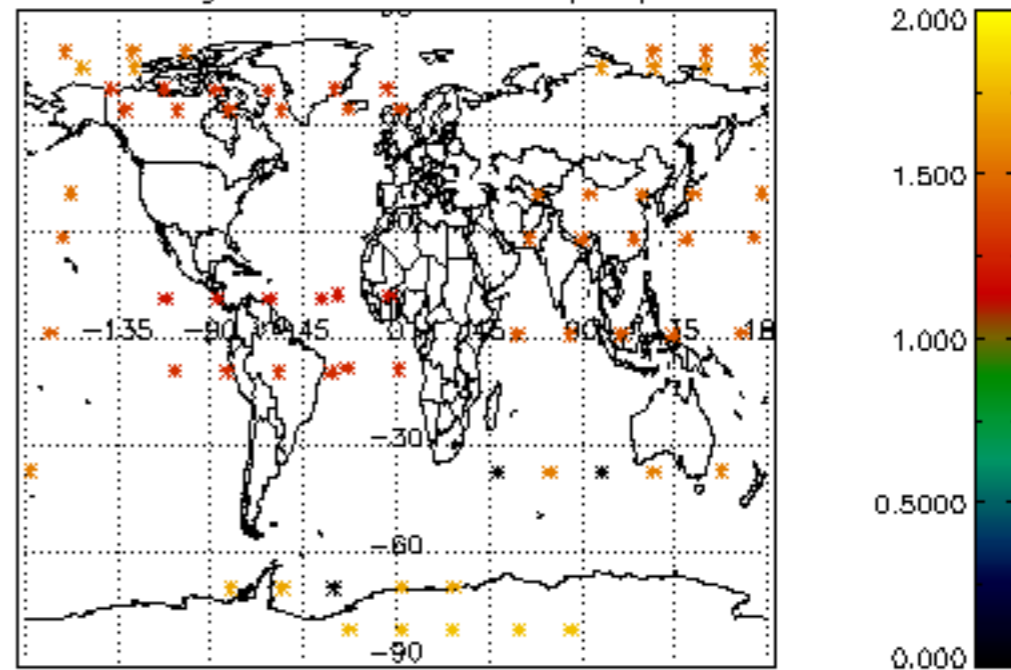




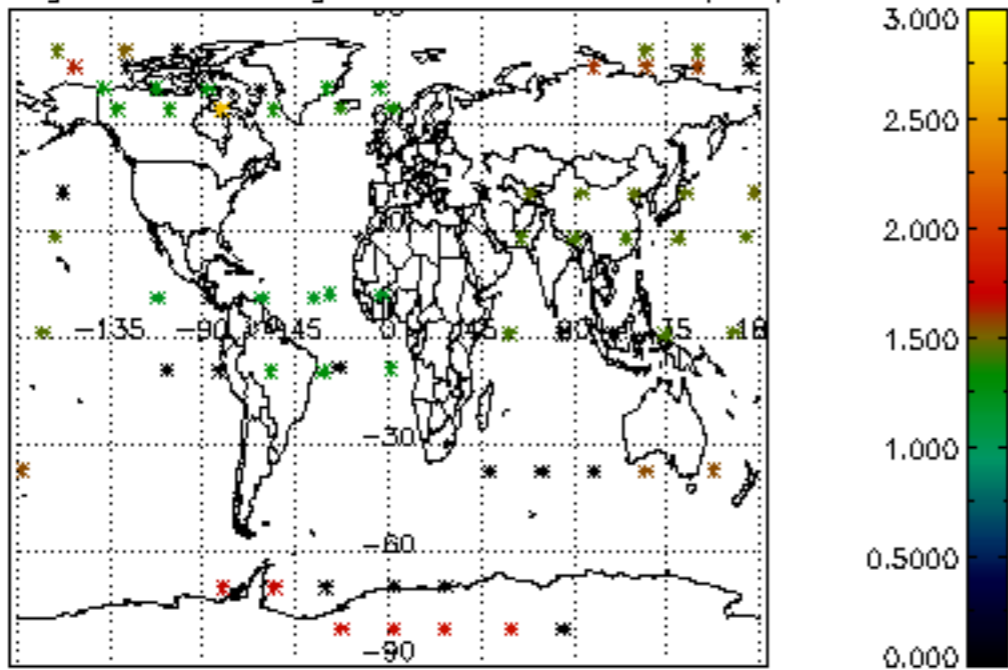
Percentage of cosmic ray hits per profile



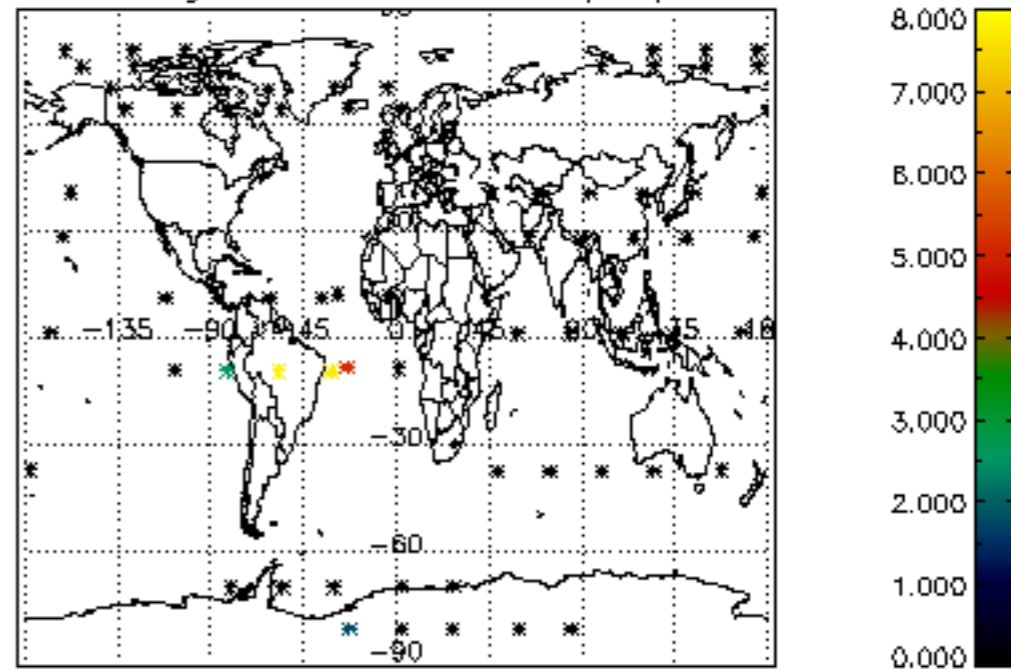
Percentage of datation errors per profile



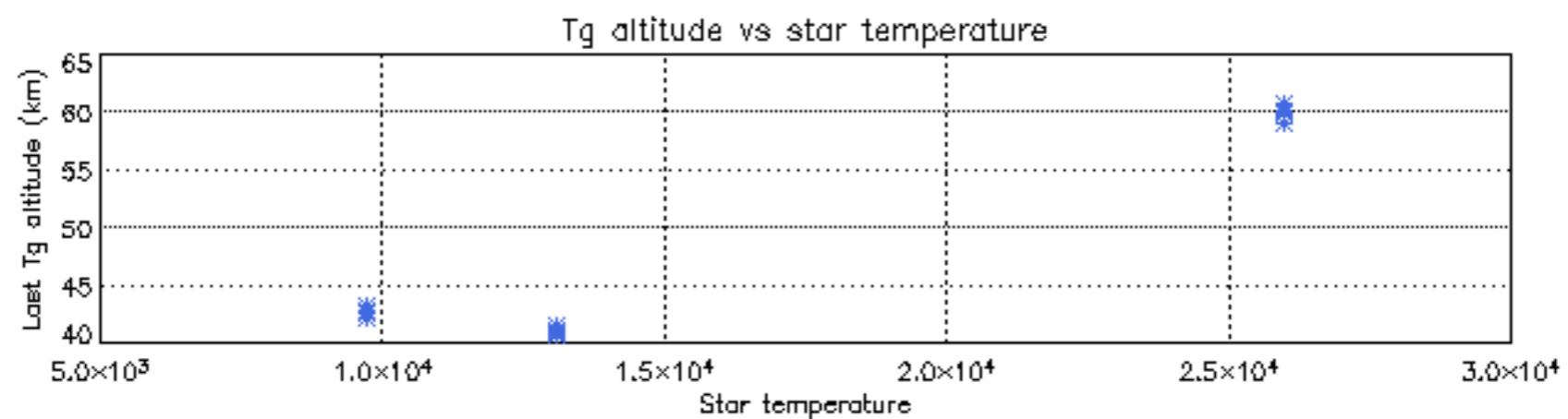
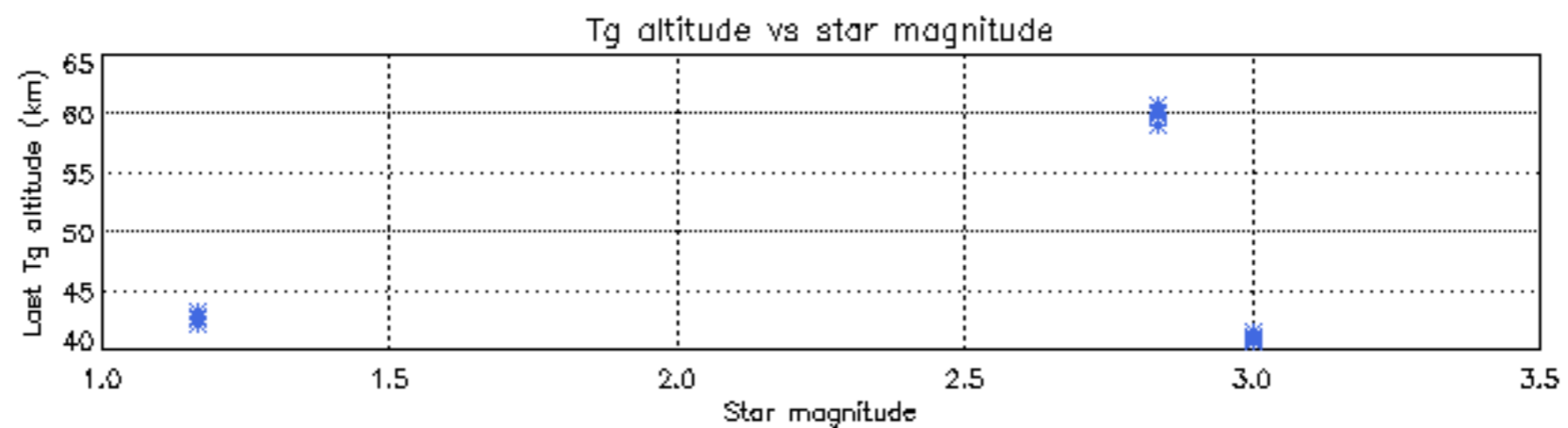
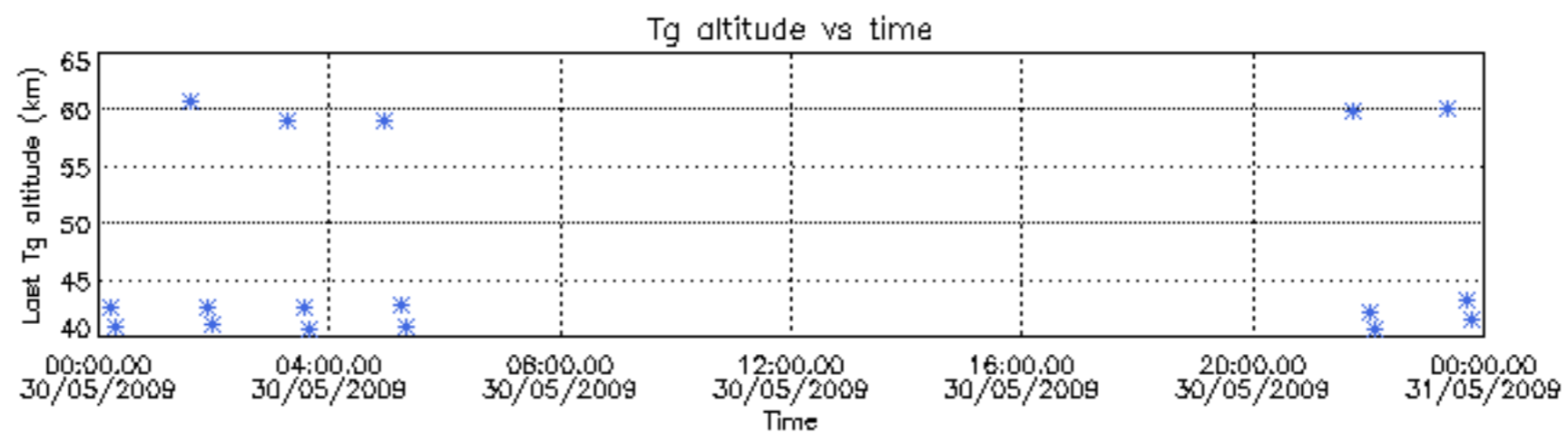
Percentage of star falling outside central band per profile



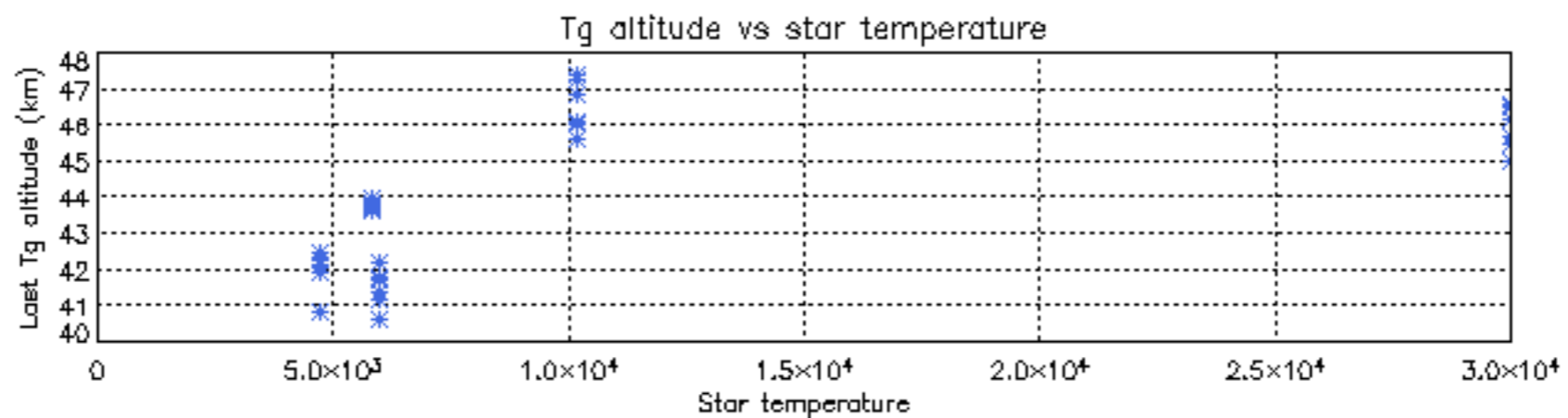
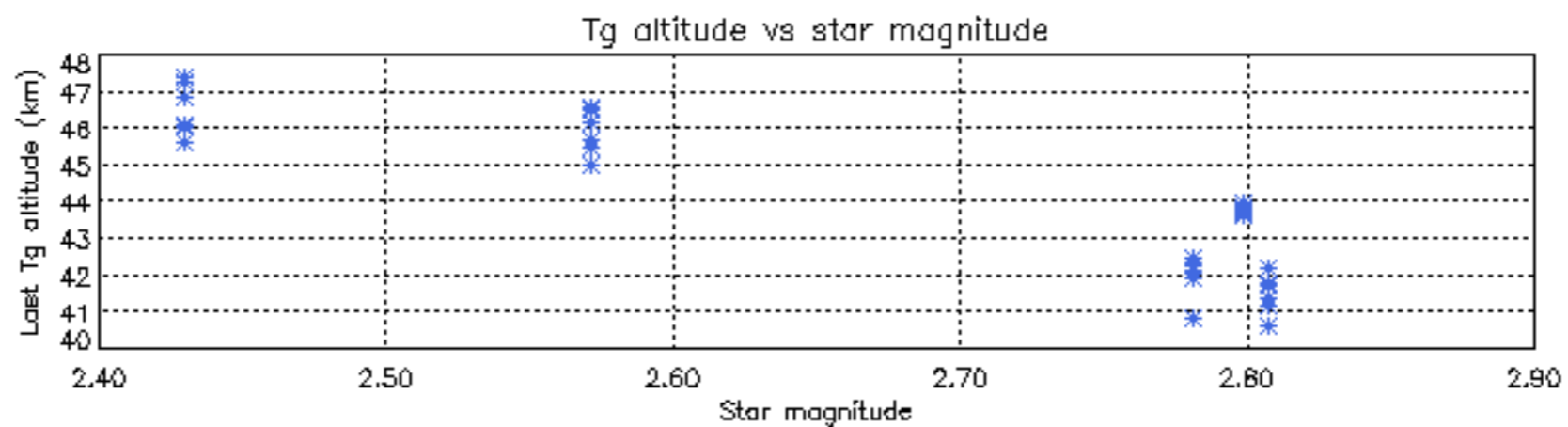
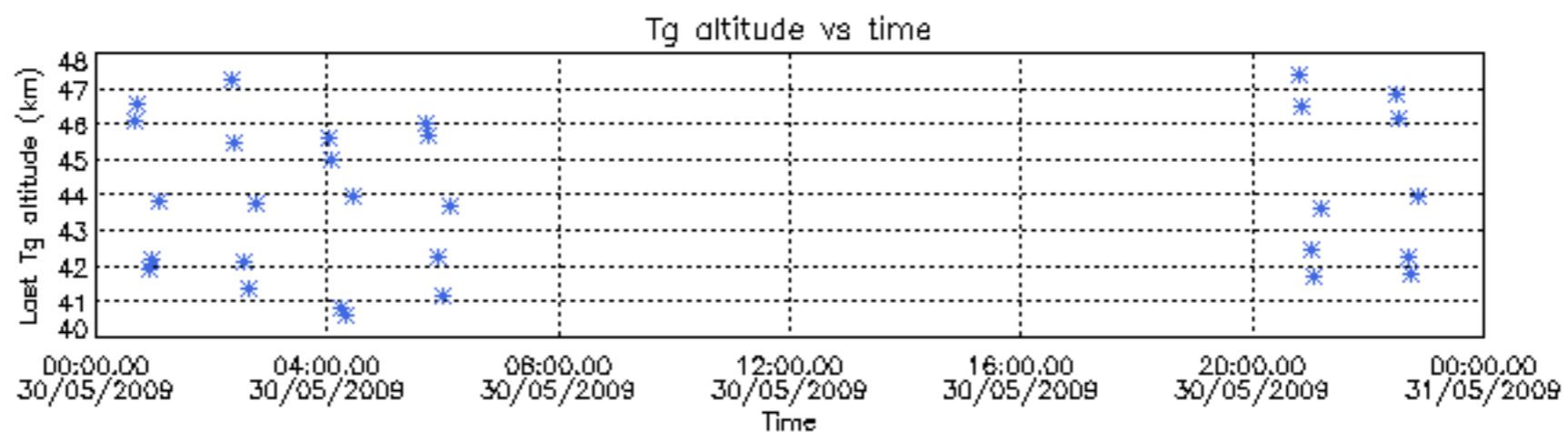
Percentage of saturation errors per profile

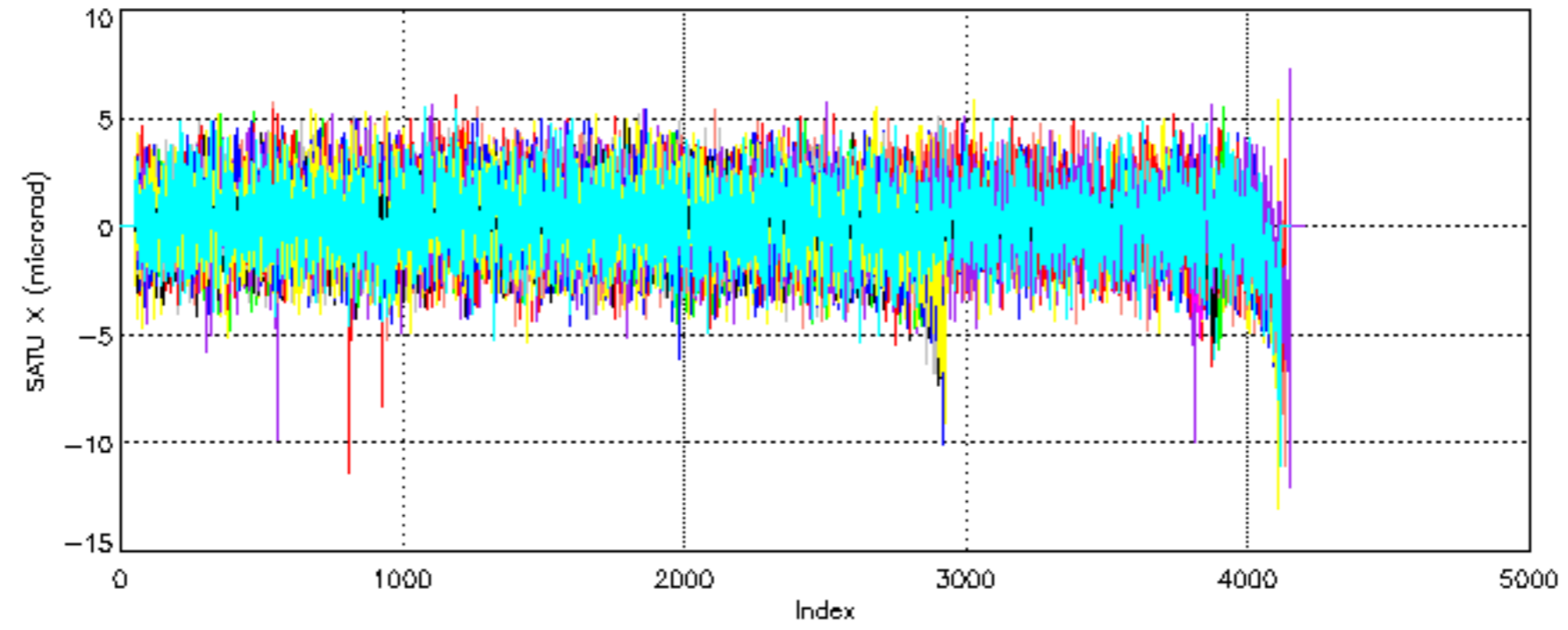


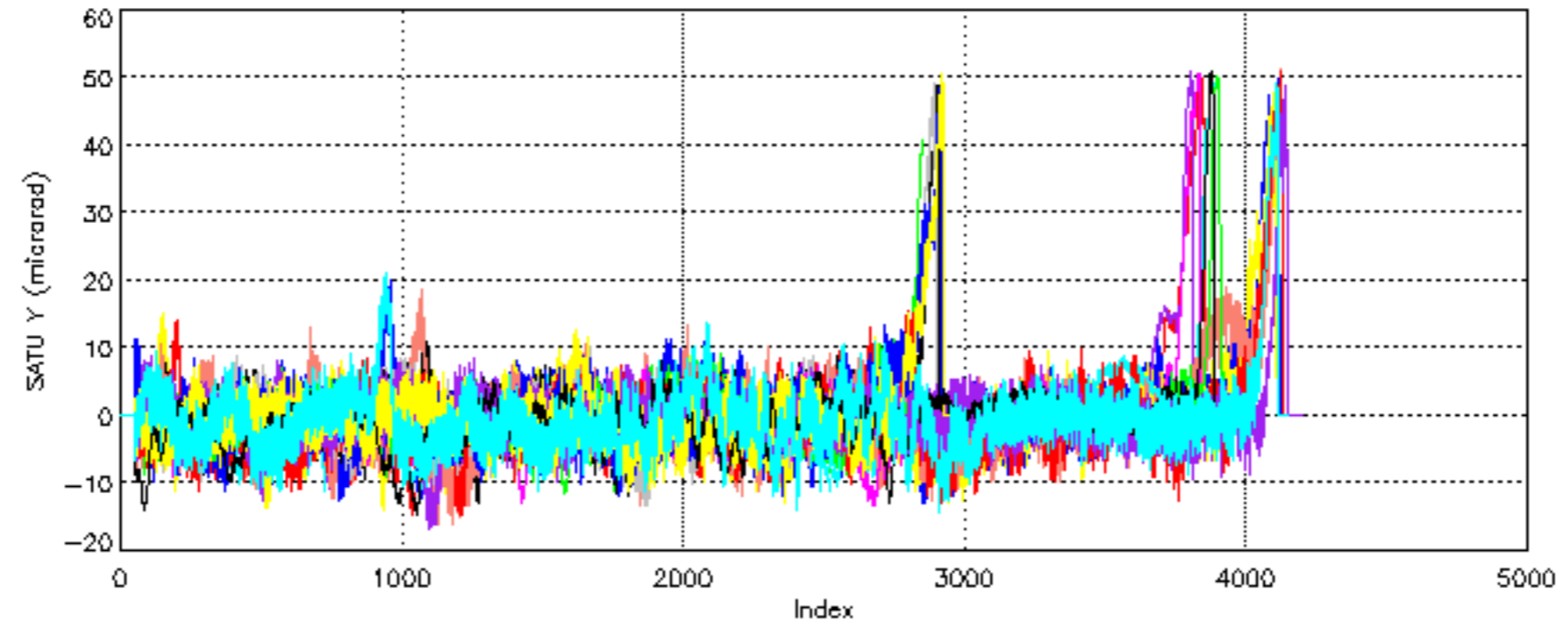
Tangent altitude at which the star is lost

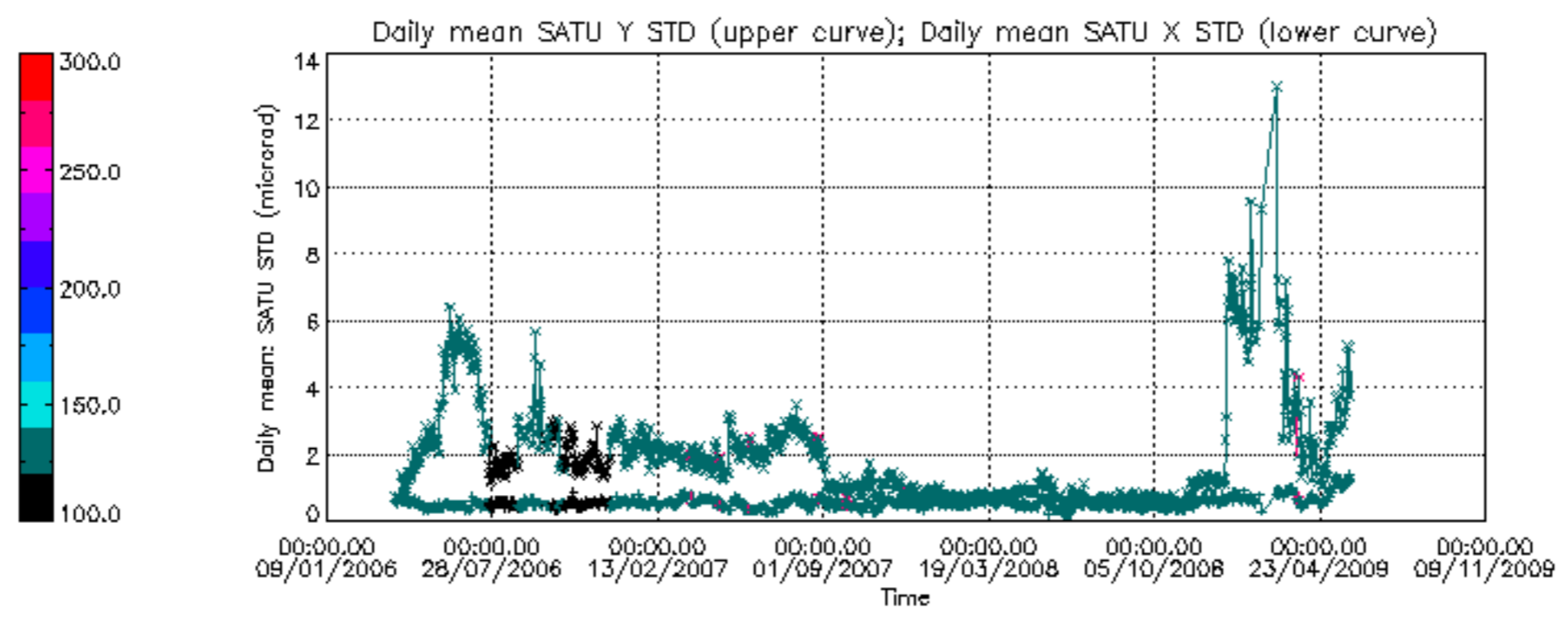


Tangent altitude at which the star is lost









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 6; 1266.2; 01-MAY-2009 00:47:08; Dark ; 46.0; 16; 21Alp Sco ; 1.02; 3000;occ; 92; 0;37474
 7; 1400.8; 01-MAY-2009 00:49:23; Dark ; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;37474
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 9; 1728.1; 01-MAY-2009 00:54:50; Bright; 48.0; 104; 27Bet Lib ; 2.61; 13100;occ; 96; 0;37474
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 13; 3209.6; 01-MAY-2009 01:19:32; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;37474
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 14; 3209.1; 01-MAY-2009 03:00:07; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;37475
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 3; 783.9; 03-MAY-2009 21:23:40; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;37515
 4; 891.9; 03-MAY-2009 21:25:28; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;37515
 5; 1069.2; 03-MAY-2009 21:28:25; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;37515
 6; 1285.8; 03-MAY-2009 21:32:01; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;37515
 7; 1412.7; 03-MAY-2009 21:34:08; Dark ; 49.0; 80; 7Del Sco ; 2.32; 30000;occ; 98; 0;37515
 8; 1726.3; 03-MAY-2009 21:39:22; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;37515
 9; 2435.4; 03-MAY-2009 21:51:11; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;37515
 10; 2617.8; 03-MAY-2009 21:54:13; Bright; 60.0; 180; 27Gam Boo ; 3.04; 8000;occ; 120; 0;37515
 11; 3184.6; 03-MAY-2009 22:03:40; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;37515
 12; 3815.1; 03-MAY-2009 22:14:11; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37515
 13; 4515.6; 03-MAY-2009 22:25:51; Dark ; 35.0; 164; 44Eta Peg ; 2.95; 5400;occ; 70; 0;37515
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 3; 892.7; 03-MAY-2009 23:06:04; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;37516
 4; 1069.9; 03-MAY-2009 23:09:01; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;37516
 5; 1286.3; 03-MAY-2009 23:12:38; Dark ; 52.5; 16; 21Alp Sco ; 1.02; 3000;occ; 105; 0;37516
 6; 1413.1; 03-MAY-2009 23:14:45; Dark ; 48.5; 80; 7Del Sco ; 2.32; 30000;occ; 97; 0;37516
 7; 1726.1; 03-MAY-2009 23:19:58; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;37516
 8; 2434.9; 03-MAY-2009 23:31:46; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;37516
 9; 2617.6; 03-MAY-2009 23:34:49; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;37516
 10; 3183.9; 03-MAY-2009 23:44:15; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;37516
 11; 3815.0; 03-MAY-2009 23:54:46; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37516
 12; 4515.7; 04-MAY-2009 00:06:27; Dark ; 35.5; 164; 44Eta Peg ; 2.95; 5400;occ; 71; 0;37516
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 3; -829.4; 03-MAY-2009 07:31:59; Dark ; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;37506
 4; -437.3; 03-MAY-2009 07:38:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37506
 5; 777.1; 03-MAY-2009 07:58:45; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;37507
 6; 884.5; 03-MAY-2009 08:00:33; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;37507
 7; 1064.7; 03-MAY-2009 08:03:33; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;37507
 8; 1282.2; 03-MAY-2009 08:07:10; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;37507
 9; 1410.5; 03-MAY-2009 08:09:19; Dark ; 47.5; 80; 7Del Sco ; 2.32; 30000;occ; 95; 0;37507

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 2; 2621.0; 03-MAY-2009 08:29:29; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;37507
 3; 3189.7; 03-MAY-2009 08:38:58; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;37507

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5; 4514.2; 03-MAY-2009 09:01:02; Dark ; 35.0; 164; 44Eta Peg ; 2.95; 5400;occ; 70; 0;37507
6; 5207.4; 03-MAY-2009 09:12:35; Dark ; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;37507
7; 5599.9; 03-MAY-2009 09:19:08; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37507
8; 6813.7; 03-MAY-2009 09:39:22; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;37507
9; 6921.4; 03-MAY-2009 09:41:10; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;37507
10; 7100.9; 03-MAY-2009 09:44:09; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;37507
11; 7318.5; 03-MAY-2009 09:47:47; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;37507
12; 7446.6; 03-MAY-2009 09:49:55; Dark ; 48.0; 80; 7Del Sco ; 2.32; 30000;occ; 96; 0;37507
13; 7762.5; 03-MAY-2009 09:55:11; Bright; 30.0; 104; 27Bet Lib ; 2.61; 13100;occ; 60; 0;37507
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3; 2620.5; 03-MAY-2009 10:10:05; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;37508
4; 3188.7; 03-MAY-2009 10:19:33; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;37508
5; 3817.4; 03-MAY-2009 10:30:01; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;37508
6; 4514.2; 03-MAY-2009 10:41:38; Dark ; 35.0; 164; 44Eta Peg ; 2.95; 5400;occ; 70; 0;37508
7; 5208.3; 03-MAY-2009 10:53:12; Dark ; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;37508
8; 5601.1; 03-MAY-2009 10:59:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37508
9; 6814.5; 03-MAY-2009 11:19:59; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;37508
10; 6922.4; 03-MAY-2009 11:21:46; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;37508
11; 7101.2; 03-MAY-2009 11:24:45; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;37508
12; 7319.0; 03-MAY-2009 11:28:23; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;37508
13; 7447.0; 03-MAY-2009 11:30:31; Dark ; 47.0; 80; 7Del Sco ; 2.32; 30000;occ; 94; 0;37508
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3; 2620.5; 03-MAY-2009 11:50:40; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;37509
4; 3187.8; 03-MAY-2009 12:00:08; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;37509
5; 3817.2; 03-MAY-2009 12:10:37; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;37509
6; 4514.5; 03-MAY-2009 12:22:14; Dark ; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;37509
7; 5209.2; 03-MAY-2009 12:33:49; Dark ; 44.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 89; 0;37509
8; 5602.3; 03-MAY-2009 12:40:22; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37509
9; 6815.7; 03-MAY-2009 13:00:36; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;37509
10; 6923.1; 03-MAY-2009 13:02:23; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;37509
11; 7101.9; 03-MAY-2009 13:05:22; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;37509
12; 7319.7; 03-MAY-2009 13:09:00; Dark ; 51.0; 16; 21Alp Sco ; 1.02; 3000;occ; 102; 0;37509
13; 7447.5; 03-MAY-2009 13:11:07; Dark ; 47.0; 80; 7Del Sco ; 2.32; 30000;occ; 94; 0;37509
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3; 2620.1; 03-MAY-2009 13:31:16; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;37510
4; 3187.5; 03-MAY-2009 13:40:43; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;37510
5; 3816.9; 03-MAY-2009 13:51:13; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;37510
6; 4514.9; 03-MAY-2009 14:02:51; Dark ; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;37510
7; 5210.1; 03-MAY-2009 14:14:26; Dark ; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;37510
8; 5603.6; 03-MAY-2009 14:20:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37510
9; 6816.5; 03-MAY-2009 14:41:12; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;37510
10; 6924.1; 03-MAY-2009 14:43:00; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;37510
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12; 7320.1; 03-MAY-2009 14:49:36; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;37510
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2; 1726.2; 03-MAY-2009 14:56:58; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;37511
3; 2437.4; 03-MAY-2009 15:08:49; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;37511
4; 2619.9; 03-MAY-2009 15:11:52; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;37511
5; 3186.9; 03-MAY-2009 15:21:19; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;37511
6; 3816.9; 03-MAY-2009 15:31:49; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;37511
7; 4515.1; 03-MAY-2009 15:43:27; Dark ; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;37511
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9; 5604.9; 03-MAY-2009 16:01:37; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37511
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11; 6925.3; 03-MAY-2009 16:23:37; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;37511
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5; 2436.7; 03-MAY-2009 16:49:24; Bright; 47.0; 83; ; 2.38; 11000;occ; 94; 0;37512
6; 2619.3; 03-MAY-2009 16:52:27; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;37512
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8; 3816.3; 03-MAY-2009 17:12:24; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;37512
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12; 6818.3; 03-MAY-2009 18:02:26; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;37512
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8; 3816.0; 03-MAY-2009 18:53:00; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37513
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10; 5212.8; 03-MAY-2009 19:16:17; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;37513
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2; -1519.9; 04-MAY-2009 03:27:39; Dark ; 35.0; 164; 44Eta Peg ; 2.95; 5400;occ; 70; 0;37518
3; -818.8; 04-MAY-2009 03:39:20; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;37518
4; -422.1; 04-MAY-2009 03:45:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37518
5; 787.5; 04-MAY-2009 04:06:07; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;37519
6; 895.4; 04-MAY-2009 04:07:55; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;37519
7; 1072.2; 04-MAY-2009 04:10:51; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;37519
8; 1287.7; 04-MAY-2009 04:14:27; Dark ; 52.5; 16; 21Alp Sco ; 1.02; 3000;occ; 105; 0;37519
9; 1413.9; 04-MAY-2009 04:16:33; Dark ; 48.5; 80; 7Del Sco ; 2.32; 30000;occ; 97; 0;37519
10; 1726.1; 04-MAY-2009 04:21:45; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;37519
11; 2433.8; 04-MAY-2009 04:33:33; Bright; 32.5; 83; ; 2.38; 11000;occ; 65; 0;37519
12; 2616.9; 04-MAY-2009 04:36:36; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;37519
13; 3182.2; 04-MAY-2009 04:46:01; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;37519

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1; -2222.0; 04-MAY-2009 04:56:33; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37519
 2; -1519.8; 04-MAY-2009 05:08:15; Dark ; 35.5; 164; 44Eta Peg ; 2.95; 5400;occ; 71; 0;37519
 3; -817.6; 04-MAY-2009 05:19:58; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;37519
 4; -420.8; 04-MAY-2009 05:26:34; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37519
 5; 788.3; 04-MAY-2009 05:46:44; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;37520
 6; 896.5; 04-MAY-2009 05:48:32; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;37520
 7; 1072.7; 04-MAY-2009 05:51:28; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;37520
 8; 1288.1; 04-MAY-2009 05:55:03; Dark ; 52.5; 16; 21Alp Sco ; 1.02; 3000;occ; 105; 0;37520
 9; 1414.1; 04-MAY-2009 05:57:09; Dark ; 48.0; 80; 7Del Sco ; 2.32; 30000;occ; 96; 0;37520
 10; 1726.1; 04-MAY-2009 06:02:21; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;37520
 11; 2433.4; 04-MAY-2009 06:14:09; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;37520
 12; 2616.2; 04-MAY-2009 06:17:11; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;37520
 13; 3181.7; 04-MAY-2009 06:26:37; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;37520

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 2; 1292.3; 04-MAY-2009 21:00:31; Dark ; 51.0; 16; 21Alp Sco ; 1.02; 3000;occ; 102; 0;37529
 3; 1417.0; 04-MAY-2009 21:02:36; Dark ; 47.0; 80; 7Del Sco ; 2.32; 30000;occ; 94; 0;37529
 4; 1725.8; 04-MAY-2009 21:07:44; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;37529
 5; 2429.3; 04-MAY-2009 21:19:28; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;37529
 6; 2531.6; 04-MAY-2009 21:21:10; Bright; 35.0; 67; 5Alp CrB ; 2.22; 11000;occ; 70; 0;37529
 7; 2612.7; 04-MAY-2009 21:22:31; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;37529
 8; 3175.9; 04-MAY-2009 21:31:55; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;37529
 9; 3810.7; 04-MAY-2009 21:42:29; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37529
 10; 4547.2; 04-MAY-2009 21:54:46; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37529
 11; 5227.5; 04-MAY-2009 22:06:06; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;37529

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1; -808.4; 04-MAY-2009 22:06:06; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;37529
 2; -407.8; 04-MAY-2009 22:12:47; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37529
 3; 796.3; 04-MAY-2009 22:32:51; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;37530
 4; 904.8; 04-MAY-2009 22:34:39; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;37530
 5; 1078.9; 04-MAY-2009 22:37:33; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;37530
 6; 1292.3; 04-MAY-2009 22:41:07; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;37530
 7; 1416.7; 04-MAY-2009 22:43:11; Dark ; 47.5; 80; 7Del Sco ; 2.32; 30000;occ; 95; 0;37530
 8; 1725.8; 04-MAY-2009 22:48:20; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;37530
 9; 2428.9; 04-MAY-2009 23:00:03; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;37530
 10; 2530.8; 04-MAY-2009 23:01:45; Bright; 42.0; 67; 5Alp CrB ; 2.22; 11000;occ; 84; 0;37530
 11; 2612.3; 04-MAY-2009 23:03:07; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;37530
 12; 3175.8; 04-MAY-2009 23:12:30; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;37530
 13; 3810.3; 04-MAY-2009 23:23:05; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37530
 14; 4547.3; 04-MAY-2009 23:35:22; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37530
 15; 5228.4; 04-MAY-2009 23:46:43; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;37530

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090504_235324_000056822078_00402_37530_7720.N1

1; -406.4; 04-MAY-2009 23:53:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37530
 2; 797.2; 05-MAY-2009 00:13:28; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;37531
 3; 906.0; 05-MAY-2009 00:15:16; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;37531
 4; 1079.7; 05-MAY-2009 00:18:10; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;37531
 5; 1292.7; 05-MAY-2009 00:21:43; Dark ; 51.0; 16; 21Alp Sco ; 1.02; 3000;occ; 102; 0;37531
 6; 1417.1; 05-MAY-2009 00:23:48; Dark ; 47.5; 80; 7Del Sco ; 2.32; 30000;occ; 95; 0;37531
 7; 1726.1; 05-MAY-2009 00:28:57; Bright; 43.5; 104; 27Bet Lib ; 2.61; 13100;occ; 87; 0;37531
 8; 2428.4; 05-MAY-2009 00:40:39; Bright; 47.5; 83; ; 2.38; 11000;occ; 95; 0;37531
 9; 2529.9; 05-MAY-2009 00:42:20; Bright; 42.0; 67; 5Alp CrB ; 2.22; 11000;occ; 84; 0;37531
 10; 2611.9; 05-MAY-2009 00:43:42; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;37531
 11; 3175.0; 05-MAY-2009 00:53:05; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;37531
 12; 3810.0; 05-MAY-2009 01:03:40; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37531
 13; 4547.5; 05-MAY-2009 01:15:58; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37531
 14; 5229.2; 05-MAY-2009 01:27:20; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;37531

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1; -2222.2; 04-MAY-2009 06:37:09; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37520
 2; -1519.7; 04-MAY-2009 06:48:52; Dark ; 35.5; 164; 44Eta Peg ; 2.95; 5400;occ; 71; 0;37520
 3; -816.7; 04-MAY-2009 07:00:34; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;37520
 4; -419.5; 04-MAY-2009 07:07:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37520
 5; 789.1; 04-MAY-2009 07:27:20; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;37521
 6; 897.2; 04-MAY-2009 07:29:08; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;37521
 7; 1073.3; 04-MAY-2009 07:32:05; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;37521
 8; 1288.6; 04-MAY-2009 07:35:40; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;37521
 9; 1414.5; 04-MAY-2009 07:37:46; Dark ; 48.0; 80; 7Del Sco ; 2.32; 30000;occ; 96; 0;37521

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1; 1726.1; 04-MAY-2009 07:42:57; Bright; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;37521
2; 2432.8; 04-MAY-2009 07:54:44; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;37521
3; 2615.8; 04-MAY-2009 07:57:47; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;37521
4; 3181.2; 04-MAY-2009 08:07:12; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;37521
5; 3813.2; 04-MAY-2009 08:17:44; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37521
6; 4516.6; 04-MAY-2009 08:29:28; Dark ; 35.5; 164; 44Eta Peg ; 2.95; 5400;occ; 71; 0;37521
7; 5220.0; 04-MAY-2009 08:41:11; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;37521
8; 5617.7; 04-MAY-2009 08:47:49; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37521
9; 6825.8; 04-MAY-2009 09:07:57; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;37521
10; 6934.0; 04-MAY-2009 09:09:45; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;37521
11; 7109.9; 04-MAY-2009 09:12:41; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;37521
12; 7325.0; 04-MAY-2009 09:16:16; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;37521
13; 7450.8; 04-MAY-2009 09:18:22; Dark ; 48.0; 80; 7Del Sco ; 2.32; 30000;occ; 96; 0;37521
14; 7762.0; 04-MAY-2009 09:23:33; Bright; 34.0; 104; 27Bet Lib ; 2.61; 13100;occ; 68; 0;37521
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2; 2432.1; 04-MAY-2009 09:35:19; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;37522
3; 2615.3; 04-MAY-2009 09:38:22; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;37522
4; 3180.7; 04-MAY-2009 09:47:48; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;37522
5; 3812.9; 04-MAY-2009 09:58:20; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37522
6; 4516.7; 04-MAY-2009 10:10:04; Dark ; 35.5; 164; 44Eta Peg ; 2.95; 5400;occ; 71; 0;37522
7; 5220.9; 04-MAY-2009 10:21:48; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;37522
8; 5619.0; 04-MAY-2009 10:28:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37522
9; 6826.7; 04-MAY-2009 10:48:34; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;37522
10; 6934.8; 04-MAY-2009 10:50:22; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;37522
11; 7110.6; 04-MAY-2009 10:53:18; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;37522
12; 7325.6; 04-MAY-2009 10:56:53; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;37522
13; 7451.0; 04-MAY-2009 10:58:58; Dark ; 47.5; 80; 7Del Sco ; 2.32; 30000;occ; 95; 0;37522
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090504_124445_000057722078_00396_37524_3855.N1
1; 1726.1; 04-MAY-2009 12:44:45; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;37524
2; 2431.4; 04-MAY-2009 12:56:30; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;37524
3; 2614.7; 04-MAY-2009 12:59:34; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;37524
4; 3179.4; 04-MAY-2009 13:08:58; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;37524
5; 3812.5; 04-MAY-2009 13:19:31; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;37524
6; 4546.3; 04-MAY-2009 13:31:45; Dark ; 33.0; 93; 53Bet Peg ; 2.52; 3100;occ; 66; 0;37524
7; 5222.8; 04-MAY-2009 13:43:02; Dark ; 45.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 91; 0;37524
8; 5621.6; 04-MAY-2009 13:49:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37524
9; 6828.4; 04-MAY-2009 14:09:47; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;37524
10; 6936.7; 04-MAY-2009 14:11:36; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;37524
11; 7111.9; 04-MAY-2009 14:14:31; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;37524
12; 7326.4; 04-MAY-2009 14:18:05; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;37524
13; 7451.5; 04-MAY-2009 14:20:10; Dark ; 47.5; 80; 7Del Sco ; 2.32; 30000;occ; 95; 0;37524
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2; 1725.8; 04-MAY-2009 14:25:21; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;37525
3; 2431.3; 04-MAY-2009 14:37:06; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;37525
4; 2614.4; 04-MAY-2009 14:40:09; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;37525
5; 3178.9; 04-MAY-2009 14:49:34; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;37525
6; 3812.5; 04-MAY-2009 15:00:07; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;37525
7; 4546.6; 04-MAY-2009 15:12:21; Dark ; 33.5; 93; 53Bet Peg ; 2.52; 3100;occ; 67; 0;37525
8; 5223.9; 04-MAY-2009 15:23:39; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;37525
9; 5622.9; 04-MAY-2009 15:30:18; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37525
10; 6829.4; 04-MAY-2009 15:50:24; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;37525
11; 6937.8; 04-MAY-2009 15:52:13; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;37525
12; 7113.1; 04-MAY-2009 15:55:08; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;37525
13; 7327.1; 04-MAY-2009 15:58:42; Dark ; 3.0; 16; 21Alp Sco ; 1.02; 3000;occ; 6; 0;37525
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2; 1416.1; 04-MAY-2009 16:00:47; Dark ; 47.0; 80; 7Del Sco ; 2.32; 30000;occ; 94; 0;37526
3; 1726.3; 04-MAY-2009 16:05:57; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;37526
4; 2430.3; 04-MAY-2009 16:17:41; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;37526
5; 2534.2; 04-MAY-2009 16:19:25; Bright; 29.0; 67; 5Alp CrB ; 2.22; 11000;occ; 58; 0;37526
6; 2613.8; 04-MAY-2009 16:20:45; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;37526
7; 3178.0; 04-MAY-2009 16:30:09; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;37526
8; 3811.7; 04-MAY-2009 16:40:42; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37526
9; 4546.8; 04-MAY-2009 16:52:57; Dark ; 33.5; 93; 53Bet Peg ; 2.52; 3100;occ; 67; 0;37526
10; 5224.7; 04-MAY-2009 17:04:15; Dark ; 22.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 44; 0;37526
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3; 794.1; 04-MAY-2009 17:31:01; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;37527
4; 902.2; 04-MAY-2009 17:32:49; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;37527
5; 1077.2; 04-MAY-2009 17:35:44; Dark ; 30.0; 75; 26Eps Sco ; 2.29; 4250;occ; 60; 0;37527
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2; 1291.3; 04-MAY-2009 17:39:18; Dark ; 51.0; 16; 21Alp Sco ; 1.02; 3000;occ; 102; 0;37527
3; 1416.8; 04-MAY-2009 17:41:24; Dark ; 46.5; 80; 7Del Sco ; 2.32; 30000;occ; 93; 0;37527
4; 1726.1; 04-MAY-2009 17:46:33; Bright; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;37527
5; 2430.2; 04-MAY-2009 17:58:17; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;37527
6; 2533.4; 04-MAY-2009 18:00:00; Bright; 29.0; 67; 5Alp CrB ; 2.22; 11000;occ; 58; 0;37527
7; 2613.8; 04-MAY-2009 18:01:21; Bright; 59.0; 180; 27Gam Boo ; 3.04; 8000;occ; 118; 0;37527
8; 3177.2; 04-MAY-2009 18:10:44; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;37527
9; 3811.2; 04-MAY-2009 18:21:18; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37527
10; 4546.8; 04-MAY-2009 18:33:34; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37527
11; 5225.5; 04-MAY-2009 18:44:52; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;37527
12; 5625.6; 04-MAY-2009 18:51:32; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37527
13; 6830.6; 04-MAY-2009 19:11:37; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;37527
14; 6939.4; 04-MAY-2009 19:13:26; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;37527
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2; 1292.0; 04-MAY-2009 19:19:55; Dark ; 51.0; 16; 21Alp Sco ; 1.02; 3000;occ; 102; 0;37528
3; 1416.9; 04-MAY-2009 19:22:00; Dark ; 47.0; 80; 7Del Sco ; 2.32; 30000;occ; 94; 0;37528
4; 1726.6; 04-MAY-2009 19:27:09; Bright; 43.5; 104; 27Bet Lib ; 2.61; 13100;occ; 87; 0;37528
5; 2429.7; 04-MAY-2009 19:38:52; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;37528
6; 2532.6; 04-MAY-2009 19:40:35; Bright; 35.0; 67; 5Alp CrB ; 2.22; 11000;occ; 70; 0;37528
7; 2613.2; 04-MAY-2009 19:41:56; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;37528
8; 3176.7; 04-MAY-2009 19:51:19; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;37528
9; 3811.1; 04-MAY-2009 20:01:54; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;37528
10; 4546.9; 04-MAY-2009 20:14:10; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37528
11; 5226.5; 04-MAY-2009 20:25:29; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;37528
12; 5626.8; 04-MAY-2009 20:32:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37528
13; 6831.8; 04-MAY-2009 20:52:15; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;37528
14; 6940.2; 04-MAY-2009 20:54:03; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;37528
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2; -405.1; 05-MAY-2009 01:34:01; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37531
3; 797.9; 05-MAY-2009 01:54:04; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;37532
4; 906.7; 05-MAY-2009 01:55:53; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;37532
5; 1080.2; 05-MAY-2009 01:58:47; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;37532
6; 1293.3; 05-MAY-2009 02:02:20; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;37532
7; 1417.7; 05-MAY-2009 02:04:24; Dark ; 47.0; 80; 7Del Sco ; 2.32; 30000;occ; 94; 0;37532
8; 1726.0; 05-MAY-2009 02:09:32; Bright; 43.5; 104; 27Bet Lib ; 2.61; 13100;occ; 87; 0;37532
9; 2427.8; 05-MAY-2009 02:21:14; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;37532
10; 2529.2; 05-MAY-2009 02:22:55; Bright; 48.0; 67; 5Alp CrB ; 2.22; 11000;occ; 96; 0;37532
11; 2611.5; 05-MAY-2009 02:24:18; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;37532
12; 3174.5; 05-MAY-2009 02:33:41; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;37532
13; 3810.0; 05-MAY-2009 02:44:16; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;37532
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2; -805.5; 05-MAY-2009 03:07:57; Dark ; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;37532
3; -403.8; 05-MAY-2009 03:14:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37532
4; 798.7; 05-MAY-2009 03:34:41; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;37533
5; 907.5; 05-MAY-2009 03:36:30; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;37533
6; 1081.0; 05-MAY-2009 03:39:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;37533
7; 1293.7; 05-MAY-2009 03:42:56; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;37533
8; 1417.5; 05-MAY-2009 03:45:00; Dark ; 47.5; 80; 7Del Sco ; 2.32; 30000;occ; 95; 0;37533
9; 1726.6; 05-MAY-2009 03:50:09; Bright; 43.0; 104; 27Bet Lib ; 2.61; 13100;occ; 86; 0;37533
10; 2427.7; 05-MAY-2009 04:01:50; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;37533
11; 2528.5; 05-MAY-2009 04:03:31; Bright; 48.0; 67; 5Alp CrB ; 2.22; 11000;occ; 96; 0;37533
12; 2611.4; 05-MAY-2009 04:04:54; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;37533
13; 3174.0; 05-MAY-2009 04:14:16; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;37533
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1; -2226.7; 05-MAY-2009 04:24:52; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37533
2; -1488.0; 05-MAY-2009 04:37:10; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37533
3; -804.6; 05-MAY-2009 04:48:34; Dark ; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;37533
4; -402.5; 05-MAY-2009 04:55:16; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37533

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5; 799.7; 05-MAY-2009 05:15:18; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;37534
6; 909.0; 05-MAY-2009 05:17:07; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;37534
7; 1081.6; 05-MAY-2009 05:20:00; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;37534
8; 1294.2; 05-MAY-2009 05:23:32; Dark ; 51.0; 16; 21Alp Sco ; 1.02; 3000;occ; 102; 0;37534
9; 1417.7; 05-MAY-2009 05:25:36; Dark ; 48.0; 80; 7Del Sco ; 2.32; 30000;occ; 96; 0;37534
10; 1725.5; 05-MAY-2009 05:30:44; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;37534
11; 2427.5; 05-MAY-2009 05:42:26; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;37534
12; 2527.7; 05-MAY-2009 05:44:06; Bright; 50.0; 67; 5Alp CrB ; 2.22; 11000;occ; 100; 0;37534
13; 2611.0; 05-MAY-2009 05:45:29; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;37534
14; 3173.5; 05-MAY-2009 05:54:52; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;37534

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2; 1087.2; 05-MAY-2009 20:25:29; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;37543
3; 1298.3; 05-MAY-2009 20:29:00; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;37543
4; 1420.4; 05-MAY-2009 20:31:02; Dark ; 46.5; 80; 7Del Sco ; 2.32; 30000;occ; 93; 0;37543
5; 1726.0; 05-MAY-2009 20:36:08; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;37543
6; 2423.5; 05-MAY-2009 20:47:45; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;37543
7; 2607.5; 05-MAY-2009 20:50:49; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;37543
8; 3168.4; 05-MAY-2009 21:00:10; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;37543
9; 3805.9; 05-MAY-2009 21:10:48; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37543
10; 4549.7; 05-MAY-2009 21:23:11; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37543
11; 4798.4; 05-MAY-2009 21:27:20; Dark ; 35.0; 90; 54Alp Peg ; 2.49; 11000;occ; 70; 0;37543
12; 5241.3; 05-MAY-2009 21:34:43; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;37543

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1; -794.6; 05-MAY-2009 21:34:43; Dark ; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;37543
2; -388.9; 05-MAY-2009 21:41:29; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37543
3; 807.6; 05-MAY-2009 22:01:25; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;37544
4; 917.3; 05-MAY-2009 22:03:15; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;37544
5; 1087.9; 05-MAY-2009 22:06:06; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;37544
6; 1298.7; 05-MAY-2009 22:09:36; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;37544
7; 1420.7; 05-MAY-2009 22:11:38; Dark ; 46.0; 80; 7Del Sco ; 2.32; 30000;occ; 92; 0;37544
8; 1725.8; 05-MAY-2009 22:16:43; Bright; 43.5; 104; 27Bet Lib ; 2.61; 13100;occ; 87; 0;37544
9; 2423.3; 05-MAY-2009 22:28:21; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;37544
10; 2607.6; 05-MAY-2009 22:31:25; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;37544
11; 3167.4; 05-MAY-2009 22:40:45; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;37544
12; 3805.8; 05-MAY-2009 22:51:23; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;37544
13; 4549.9; 05-MAY-2009 23:03:48; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37544
14; 4798.6; 05-MAY-2009 23:07:56; Dark ; 34.0; 90; 54Alp Peg ; 2.49; 11000;occ; 68; 0;37544

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2; 808.3; 05-MAY-2009 23:42:02; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;37545
3; 917.8; 05-MAY-2009 23:43:51; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;37545
4; 1088.5; 05-MAY-2009 23:46:42; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;37545
5; 1299.2; 05-MAY-2009 23:50:13; Dark ; 49.5; 16; 21Alp Sco ; 1.02; 3000;occ; 99; 0;37545
6; 1420.9; 05-MAY-2009 23:52:14; Dark ; 46.0; 80; 7Del Sco ; 2.32; 30000;occ; 92; 0;37545
7; 1725.8; 05-MAY-2009 23:57:19; Bright; 43.0; 104; 27Bet Lib ; 2.61; 13100;occ; 86; 0;37545
8; 2422.7; 06-MAY-2009 00:08:56; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;37545
9; 2610.2; 06-MAY-2009 00:12:04; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;37545
10; 3166.9; 06-MAY-2009 00:21:20; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;37545
11; 3805.5; 06-MAY-2009 00:31:59; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;37545
12; 4550.3; 06-MAY-2009 00:44:24; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37545
13; 4799.0; 06-MAY-2009 00:48:33; Dark ; 34.5; 90; 54Alp Peg ; 2.49; 11000;occ; 69; 0;37545

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2; -1487.7; 05-MAY-2009 06:17:47; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37534
3; -803.7; 05-MAY-2009 06:29:11; Dark ; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;37534
4; -401.1; 05-MAY-2009 06:35:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37534
5; 800.6; 05-MAY-2009 06:55:55; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;37535
6; 909.4; 05-MAY-2009 06:57:44; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;37535
7; 1082.3; 05-MAY-2009 07:00:37; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;37535
8; 1294.7; 05-MAY-2009 07:04:09; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;37535
9; 1418.4; 05-MAY-2009 07:06:13; Dark ; 47.0; 80; 7Del Sco ; 2.32; 30000;occ; 94; 0;37535
10; 1726.1; 05-MAY-2009 07:11:20; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;37535

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2; 2427.0; 05-MAY-2009 07:23:01; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;37535
3; 2526.8; 05-MAY-2009 07:24:41; Bright; 52.5; 67; 5Alp CrB ; 2.22; 11000;occ; 105; 0;37535
4; 2610.6; 05-MAY-2009 07:26:05; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;37535


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5; 3172.8; 05-MAY-2009 07:35:27; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;37535
6; 3808.9; 05-MAY-2009 07:46:03; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37535
7; 4548.4; 05-MAY-2009 07:58:23; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37535
8; 5233.5; 05-MAY-2009 08:09:48; Dark ; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;37535
9; 5636.2; 05-MAY-2009 08:16:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37535
10; 6837.4; 05-MAY-2009 08:36:32; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;37535
11; 6946.2; 05-MAY-2009 08:38:20; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;37535
12; 7118.9; 05-MAY-2009 08:41:13; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;37535
13; 7331.1; 05-MAY-2009 08:44:45; Dark ; 50.5; 16; 21Alp Sco ; 1.02; 3000;occ; 101; 0;37535
14; 7454.7; 05-MAY-2009 08:46:49; Dark ; 47.0; 80; 7Del Sco ; 2.32; 30000;occ; 94; 0;37535
15; 7761.8; 05-MAY-2009 08:51:56; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;37535
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2; 2610.2; 05-MAY-2009 09:06:40; Bright; 50.5; 180; 27Gam Boo ; 3.04; 8000;occ; 101; 0;37536
3; 3172.2; 05-MAY-2009 09:16:02; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;37536
4; 3808.2; 05-MAY-2009 09:26:38; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;37536
5; 4548.6; 05-MAY-2009 09:38:59; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37536
6; 4795.8; 05-MAY-2009 09:43:06; Dark ; 35.0; 90; 54Alp Peg ; 2.49; 11000;occ; 70; 0;37536
7; 5234.4; 05-MAY-2009 09:50:25; Dark ; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;37536
8; 5637.5; 05-MAY-2009 09:57:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37536
9; 6838.1; 05-MAY-2009 10:17:08; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;37536
10; 6947.2; 05-MAY-2009 10:18:57; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;37536
11; 7119.6; 05-MAY-2009 10:21:50; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;37536
12; 7331.7; 05-MAY-2009 10:25:22; Dark ; 51.0; 16; 21Alp Sco ; 1.02; 3000;occ; 102; 0;37536
13; 7454.9; 05-MAY-2009 10:27:25; Dark ; 46.5; 80; 7Del Sco ; 2.32; 30000;occ; 93; 0;37536
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2; 2426.0; 05-MAY-2009 10:44:12; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;37537
3; 2610.1; 05-MAY-2009 10:47:16; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;37537
4; 3171.8; 05-MAY-2009 10:56:38; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;37537
5; 3807.9; 05-MAY-2009 11:07:14; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37537
6; 4548.7; 05-MAY-2009 11:19:35; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37537
7; 4796.1; 05-MAY-2009 11:23:42; Dark ; 35.0; 90; 54Alp Peg ; 2.49; 11000;occ; 70; 0;37537
8; 5235.1; 05-MAY-2009 11:31:01; Dark ; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;37537
9; 5638.8; 05-MAY-2009 11:37:45; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37537
10; 6839.4; 05-MAY-2009 11:57:45; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;37537
11; 6948.2; 05-MAY-2009 11:59:34; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;37537
12; 7120.2; 05-MAY-2009 12:02:26; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;37537
13; 7332.1; 05-MAY-2009 12:05:58; Dark ; 50.5; 16; 21Alp Sco ; 1.02; 3000;occ; 101; 0;37537
14; 7455.2; 05-MAY-2009 12:08:01; Dark ; 46.5; 80; 7Del Sco ; 2.32; 30000;occ; 93; 0;37537
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2; 2425.8; 05-MAY-2009 12:24:48; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;37538
3; 2609.3; 05-MAY-2009 12:27:51; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;37538
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5; 3808.4; 05-MAY-2009 12:47:50; Bright; 35.0; 89; 5Alp Cep ; 2.45; 8000;occ; 70; 0;37538
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3; 2424.6; 05-MAY-2009 15:45:58; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;37540
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 6; 922.4; 06-MAY-2009 08:06:56; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;37550
 7; 1091.7; 06-MAY-2009 08:09:45; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;37550
 8; 1301.4; 06-MAY-2009 08:13:15; Dark ; 49.5; 16; 21Alp Sco ; 1.02; 3000;occ; 99; 0;37550
 9; 1422.3; 06-MAY-2009 08:15:16; Dark ; 45.0; 80; 7Del Sco ; 2.32; 30000;occ; 90; 0;37550
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4; 3162.0; 06-MAY-2009 15:26:39; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;37554
5; 3802.7; 06-MAY-2009 15:37:19; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;37554
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4; 2494.5; 08-MAY-2009 07:29:54; Bright; 50.0; 67; 5Alp CrB ; 2.22; 11000;occ; 100; 0;37578
5; 3148.5; 08-MAY-2009 07:40:48; Bright; 63.0; 119; 14Eta Dra ; 2.73; 4700;occ; 126; 0;37578
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7; 4556.6; 08-MAY-2009 08:04:16; Dark ; 34.5; 93; 53Bet Peg ; 2.52; 3100;occ; 69; 0;37578
8; 4812.1; 08-MAY-2009 08:08:31; Dark ; 35.5; 90; 54Alp Peg ; 2.49; 11000;occ; 71; 0;37578
9; 5278.0; 08-MAY-2009 08:16:17; Dark ; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;37578
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3; 2410.1; 08-MAY-2009 12:30:17; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;37581
4; 2492.8; 08-MAY-2009 12:31:40; Bright; 45.0; 67; 5Alp CrB ; 2.22; 11000;occ; 90; 0;37581
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6; 3792.4; 08-MAY-2009 12:53:19; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;37581
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3; 3146.4; 08-MAY-2009 14:23:09; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;37582
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5; 4557.5; 08-MAY-2009 14:46:40; Dark ; 35.0; 93; 53Bet Peg ; 2.52; 3100;occ; 70; 0;37582
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7; 5282.7; 08-MAY-2009 14:58:46; Dark ; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;37582
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8; 5283.8; 08-MAY-2009 16:39:23; Dark ; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;37583
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5; 2555.3; 28-MAY-2009 13:44:35; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;37868
6; 3010.5; 28-MAY-2009 13:52:10; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;37868
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5; 2554.9; 28-MAY-2009 15:25:10; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;37869
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7; 3657.2; 28-MAY-2009 15:43:33; Bright; 32.0; 89; 5Alp Cep ; 2.45; 8000;occ; 64; 0;37869
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9; 4830.2; 28-MAY-2009 16:03:06; Dark ; 29.0; 140; 88Gam Peg ; 2.83; 26000;occ; 58; 0;37869
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 5; 1835.9; 28-MAY-2009 18:34:23; Bright; 30.5; 120; 1Del Oph ; 2.73; 3200;occ; 61; 0;37871
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 7; 2553.6; 28-MAY-2009 18:46:21; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;37871
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