

GOMOS Daily Report 21-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	25MAY2009 04:39:11
Data source version	GOMOS/5.00
Start time of products	21MAY2009 00:13:15
Stop time of products	21MAY2009 05:16:57
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	0

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

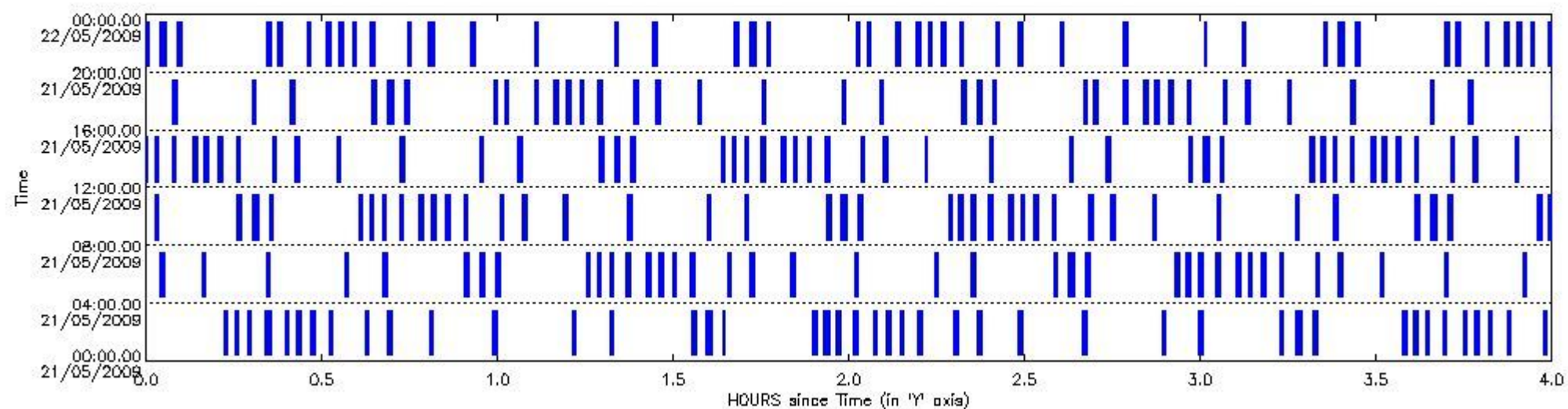
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

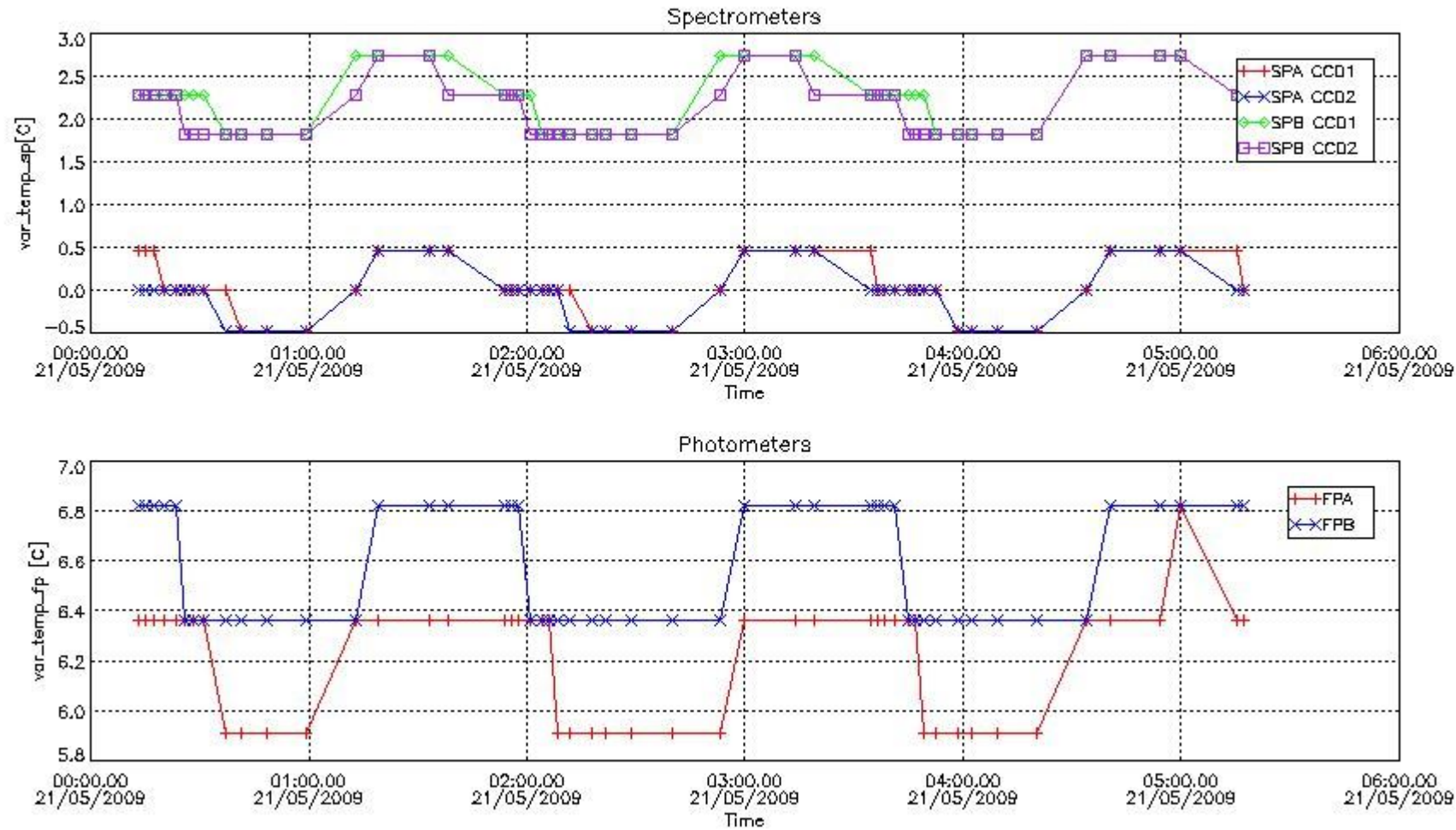
No missing products.

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_1PNPDE20090521_001315_000000372079_00131_37760_4557.N1	21-MAY-2009 00:13:15	Straylight	37.000	40	The Sco	1.8590	7100.0	74	37760	No
2	GOM_TRA_1PNPDE20090521_001506_000000402079_00131_37760_4558.N1	21-MAY-2009 00:15:06	Straylight	39.500	25	35Lam Sco	1.6200	28000.	79	37760	No
3	GOM_TRA_1PNPDE20090521_001714_000000372079_00131_37760_4559.N1	21-MAY-2009 00:17:14	Twilight_stray	36.500	75	26Eps Sco	2.2910	4250.0	73	37760	No
4	GOM_TRA_1PNPDE20090521_002010_000000622079_00131_37760_4560.N1	21-MAY-2009 00:20:10	Twilight_stray	62.000	16	21Alp Sco	1.0200	3000.0	124	37760	No
5	GOM_TRA_1PNPDE20090521_002336_000000362079_00131_37760_4561.N1	21-MAY-2009 00:23:36	Twilight_stray	36.000	86	35Eta Oph	2.4300	10200.	72	37760	No
6	GOM_TRA_1PNPDE20090521_002541_000000512079_00131_37760_4562.N1	21-MAY-2009 00:25:41	Bright	51.000	98	13Zet Oph	2.5710	30000.	102	37760	No
7	GOM_TRA_1PNPDE20090521_002803_000000452079_00131_37760_4563.N1	21-MAY-2009 00:28:03	Bright	45.000	120	1Del Oph	2.7340	3200.0	90	37760	No
8	GOM_TRA_1PNPDE20090521_003109_000000412079_00131_37760_4564.N1	21-MAY-2009 00:31:09	Bright	40.500	102	24Alp Ser	2.6000	4250.0	81	37760	No
9	GOM_TRA_1PNPDE20090521_003723_000000402079_00131_37760_4565.N1	21-MAY-2009 00:37:23	Bright	40.000	67	5Alp CrB	2.2210	11000.	80	37760	No
10	GOM_TRA_1PNPDE20090521_004112_000000482079_00131_37760_4566.N1	21-MAY-2009 00:41:12	Bright	48.000	133	40Zet Her	2.8070	6000.0	96	37760	No
11	GOM_TRA_1PNPDE20090521_004819_000000422079_00131_37760_4567.N1	21-MAY-2009 00:48:19	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	37760	No
12	GOM_TRA_1PNPDE20090521_005913_000000442079_00131_37760_4568.N1	21-MAY-2009 00:59:13	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	37760	No

13	GOM_TRA_1PNPDE20090521_011245_000000352079_00131_37760_4569.N1	21-MAY-2009 01:12:45	Twilight	34.500	58	21Alp And	2.0730	11000.	69	37760	No
14	GOM_TRA_1PNPDE20090521_011904_000000472079_00131_37760_4570.N1	21-MAY-2009 01:19:04	Dark	46.500	90	54Alp Peg	2.4870	11000.	93	37760	No
15	GOM_TRA_1PNPDE20090521_013302_000000522079_00131_37760_4706.N1	21-MAY-2009 01:33:02	Dark	51.500	18	24Alp PsA	1.1660	9700.0	103	37760	No
16	GOM_TRA_1PNPDE20090521_013826_000000152079_00132_37761_4707.N1	21-MAY-2009 01:38:26	Dark	15.000	172	Gam Gru	3.0030	13100.	30	37761	No
17	GOM_TRA_1PNPDE20090521_015352_000000492079_00132_37761_4708.N1	21-MAY-2009 01:53:52	Straylight	48.500	40	The Sco	1.8590	7100.0	97	37761	No
18	GOM_TRA_1PNPDE20090521_015543_000000512079_00132_37761_4709.N1	21-MAY-2009 01:55:43	Straylight	51.000	25	35Lam Sco	1.6200	28000.	102	37761	No
19	GOM_TRA_1PNPDE20090521_015751_000000442079_00132_37761_4710.N1	21-MAY-2009 01:57:51	Twilight	44.000	75	26Eps Sco	2.2910	4250.0	88	37761	No
20	GOM_TRA_1PNPDE20090521_020047_000000442079_00132_37761_4711.N1	21-MAY-2009 02:00:47	Twilight	44.000	16	21Alp Sco	1.0200	3000.0	88	37761	No
21	GOM_TRA_1PNPDE20090521_020412_000000362079_00132_37761_4712.N1	21-MAY-2009 02:04:12	Twilight	36.000	86	35Eta Oph	2.4300	10200.	72	37761	No
22	GOM_TRA_1PNPDE20090521_020617_000000512079_00132_37761_4713.N1	21-MAY-2009 02:06:17	Bright	50.500	98	13Zet Oph	2.5710	30000.	101	37761	No
23	GOM_TRA_1PNPDE20090521_020839_000000462079_00132_37761_4714.N1	21-MAY-2009 02:08:39	Bright	45.500	120	1Del Oph	2.7340	3200.0	91	37761	No
24	GOM_TRA_1PNPDE20090521_021145_000000482079_00132_37761_4715.N1	21-MAY-2009 02:11:45	Bright	48.000	102	24Alp Ser	2.6000	4250.0	96	37761	No
25	GOM_TRA_1PNPDE20090521_021758_000000402079_00132_37761_4716.N1	21-MAY-2009 02:17:58	Bright	40.000	67	5Alp CrB	2.2210	11000.	80	37761	No
26	GOM_TRA_1PNPDE20090521_022147_000000522079_00132_37761_4717.N1	21-MAY-2009 02:21:47	Bright	52.000	133	40Zet Her	2.8070	6000.0	104	37761	No
27	GOM_TRA_1PNPDE20090521_022854_000000422079_00132_37761_4718.N1	21-MAY-2009 02:28:54	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	37761	No
28	GOM_TRA_1PNPDE20090521_023948_000000442079_00132_37761_4719.N1	21-MAY-2009 02:39:48	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	37761	No
29	GOM_TRA_1PNPDE20090521_025321_000000332079_00132_37761_4844.N1	21-MAY-2009 02:53:21	Twilight	32.500	58	21Alp And	2.0730	11000.	65	37761	No
30	GOM_TRA_1PNPDE20090521_025941_000000502079_00132_37761_4845.N1	21-MAY-2009 02:59:41	Dark	49.500	90	54Alp Peg	2.4870	11000.	99	37761	No
31	GOM_TRA_1PNPDE20090521_031340_000000292079_00132_37761_4846.N1	21-MAY-2009 03:13:40	Dark	28.500	18	24Alp PsA	1.1660	9700.0	57	37761	No
32	GOM_TRA_1PNPDE20090521_031905_000000482079_00133_37762_4847.N1	21-MAY-2009 03:19:05	Dark	48.000	172	Gam Gru	3.0030	13100.	96	37762	No
33	GOM_TRA_1PNPDE20090521_033428_000000492079_00133_37762_4848.N1	21-MAY-2009 03:34:28	Straylight	49.000	40	The Sco	1.8590	7100.0	98	37762	No
34	GOM_TRA_1PNPDE20090521_033619_000000452079_00133_37762_4849.N1	21-MAY-2009 03:36:19	Straylight	44.500	25	35Lam Sco	1.6200	28000.	89	37762	No
35	GOM_TRA_1PNPDE20090521_033827_000000412079_00133_37762_4850.N1	21-MAY-2009 03:38:27	Twilight	40.500	75	26Eps Sco	2.2910	4250.0	81	37762	No
36	GOM_TRA_1PNPDE20090521_034123_000000412079_00133_37762_4851.N1	21-MAY-2009 03:41:23	Twilight	40.500	16	21Alp Sco	1.0200	3000.0	81	37762	No
37	GOM_TRA_1PNPDE20090521_034448_000000412079_00133_37762_4852.N1	21-MAY-2009 03:44:48	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	37762	No
38	GOM_TRA_1PNPDE20090521_034653_000000362079_00133_37762_4853.N1	21-MAY-2009 03:46:53	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	37762	No
39	GOM_TRA_1PNPDE20090521_034916_000000372079_00133_37762_4854.N1	21-MAY-2009 03:49:16	Bright	36.500	120	1Del Oph	2.7340	3200.0	73	37762	No
40	GOM_TRA_1PNPDE20090521_035221_000000352079_00133_37762_4855.N1	21-MAY-2009 03:52:21	Bright	34.500	102	24Alp Ser	2.6000	4250.0	69	37762	No
41	GOM_TRA_1PNPDE20090521_035834_000000342079_00133_37762_4856.N1	21-MAY-2009 03:58:34	Bright	34.000	67	5Alp CrB	2.2210	11000.	68	37762	No
42	GOM_TRA_1PNPDE20090521_040221_000000482079_00133_37762_4857.N1	21-MAY-2009 04:02:21	Bright	48.000	133	40Zet Her	2.8070	6000.0	96	37762	No
43	GOM_TRA_1PNPDE20090521_040929_000000372079_00133_37762_4858.N1	21-MAY-2009 04:09:29	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	37762	No
44	GOM_TRA_1PNPDE20090521_042024_000000352079_00133_37762_5117.N1	21-MAY-2009 04:20:24	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	37762	No
45	GOM_TRA_1PNPDE20090521_043358_000000302079_00133_37762_5118.N1	21-MAY-2009 04:33:58	Twilight	29.500	58	21Alp And	2.0730	11000.	59	37762	No
46	GOM_TRA_1PNPDE20090521_044018_000000462079_00133_37762_5119.N1	21-MAY-2009 04:40:18	Dark	45.500	90	54Alp Peg	2.4870	11000.	91	37762	No
47	GOM_TRA_1PNPDE20090521_045416_000000482079_00133_37762_5120.N1	21-MAY-2009 04:54:16	Dark	48.000	18	24Alp PsA	1.1660	9700.0	96	37762	No
48	GOM_TRA_1PNPDE20090521_045940_000000492079_00134_37763_5121.N1	21-MAY-2009 04:59:40	Dark	49.000	172	Gam Gru	3.0030	13100.	98	37763	No
49	GOM_TRA_1PNPDE20090521_051505_000000412079_00134_37763_5122.N1	21-MAY-2009 05:15:05	Straylight	41.000	40	The Sco	1.8590	7100.0	82	37763	No
50	GOM_TRA_1PNPDE20090521_051657_000000432079_00134_37763_5123.N1	21-MAY-2009 05:16:57	Straylight	42.500	25	35Lam Sco	1.6200	28000.	85	37763	No

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



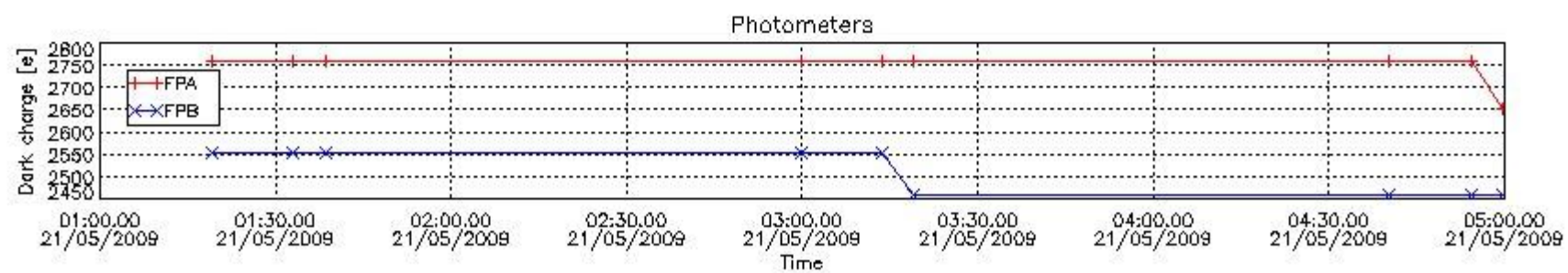
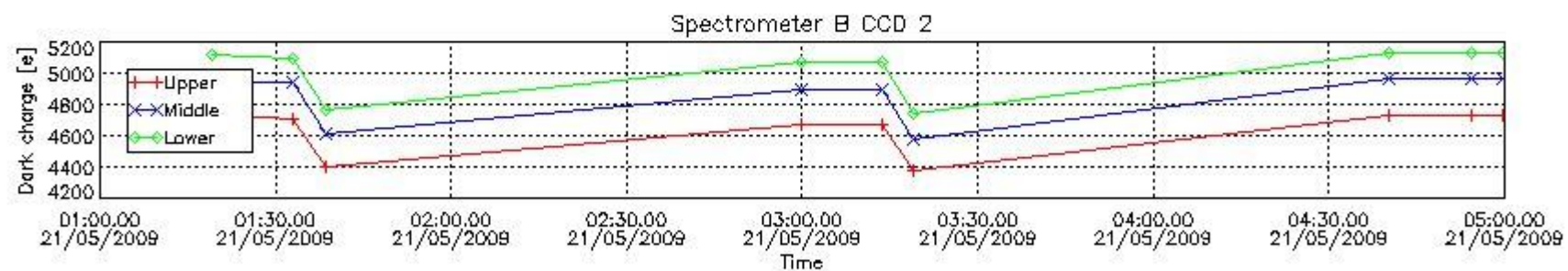
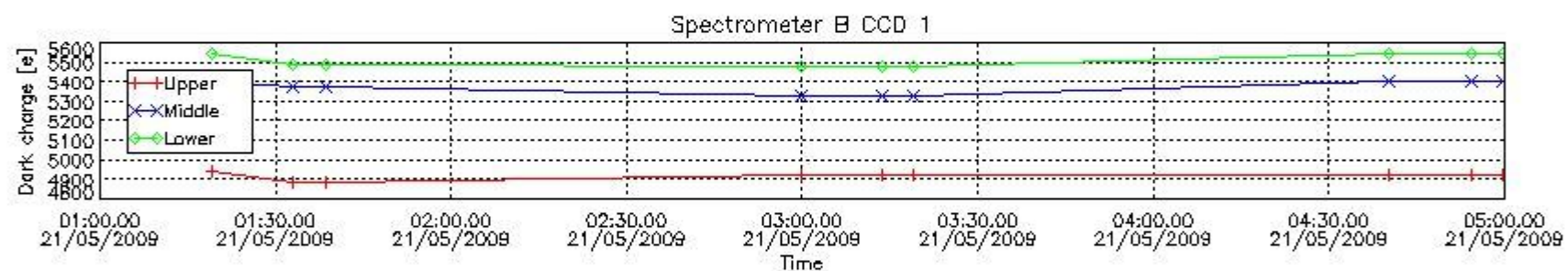
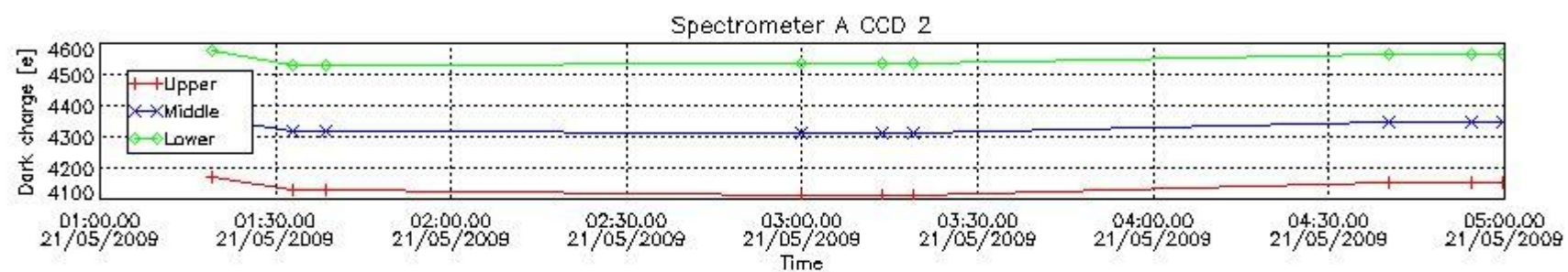
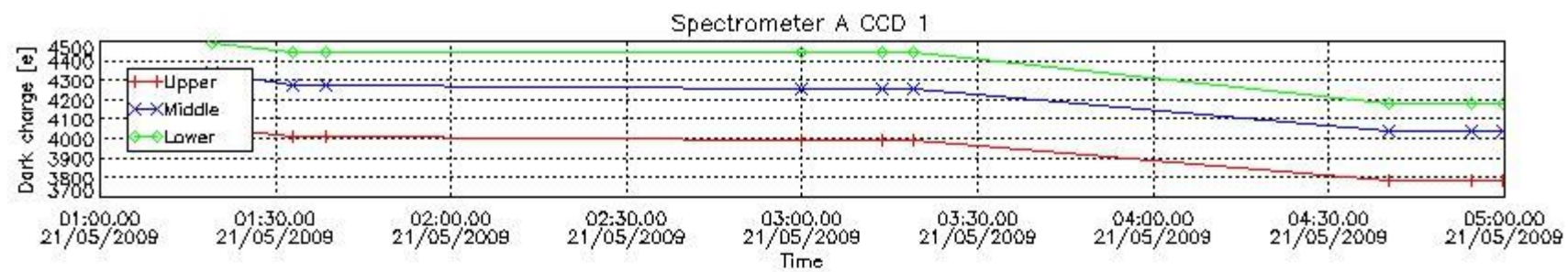
4. Overview of dark signal processing per product

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 All products used the DSA observation for the DC computation

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



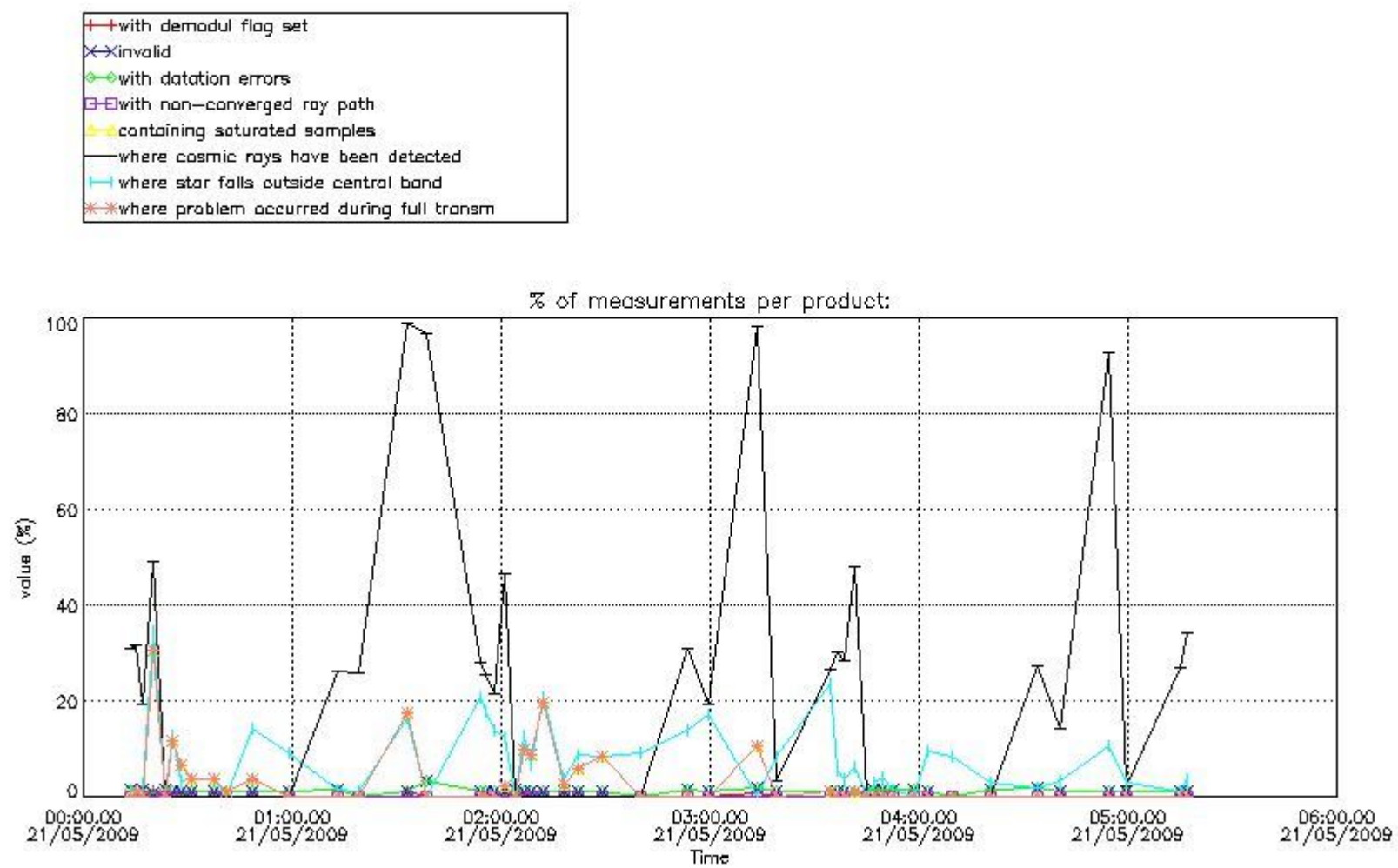
5. Demodulation flag and quality information monitoring

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.

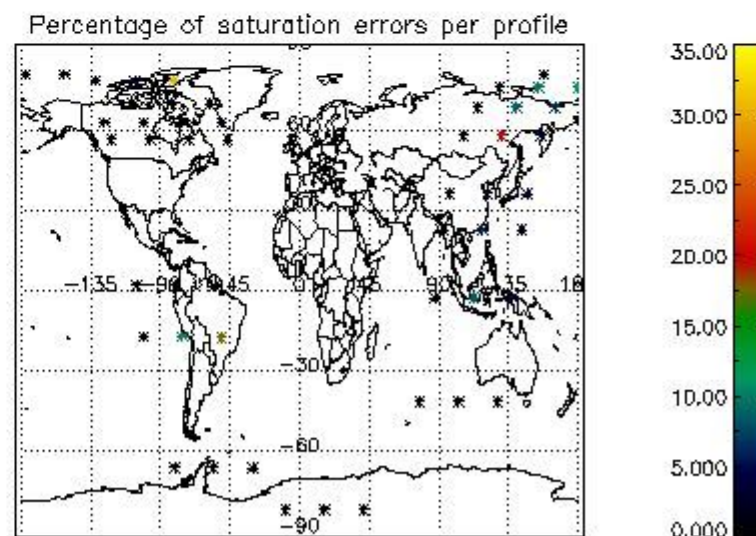
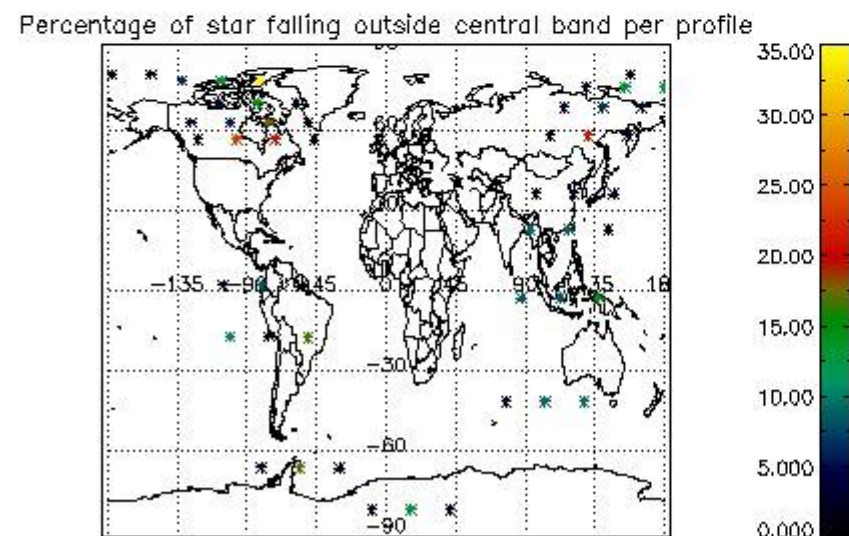
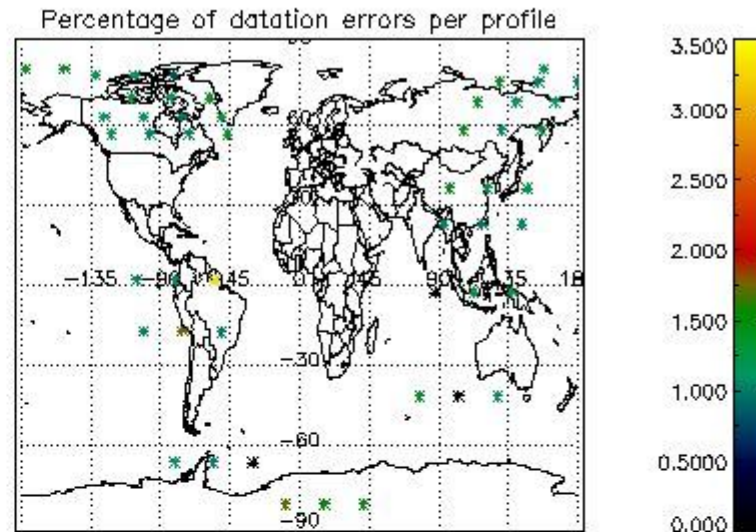
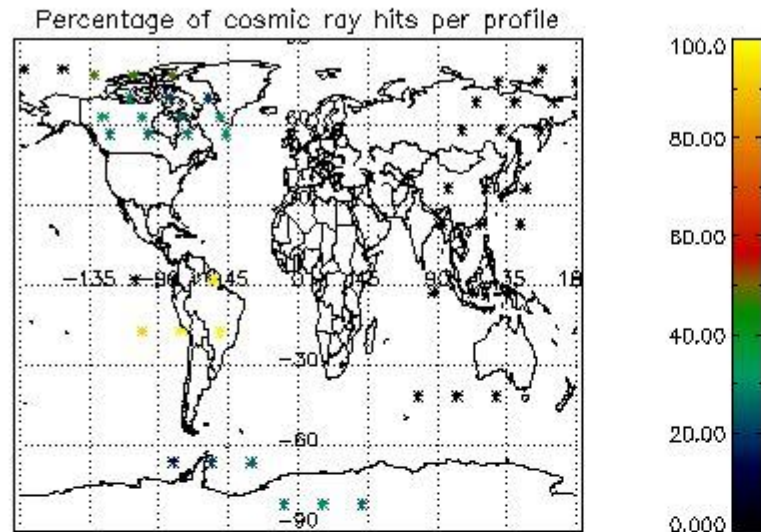
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	38.0000 %
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)



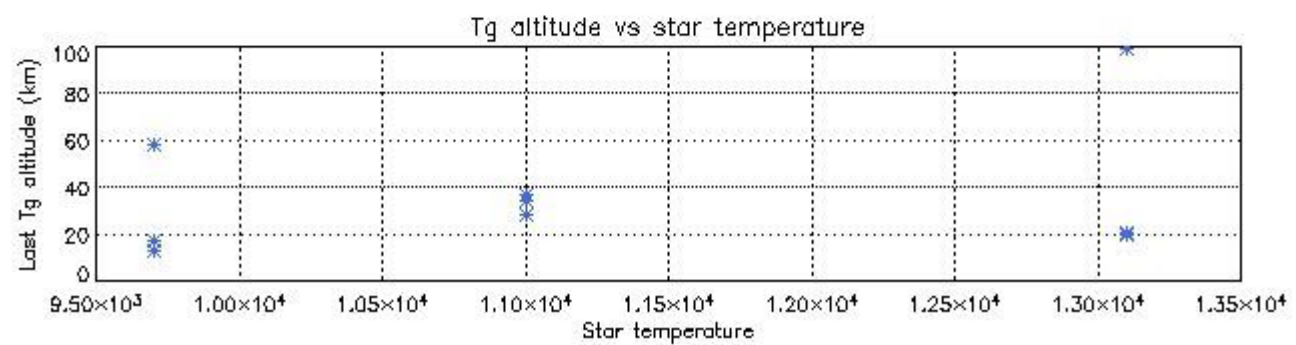
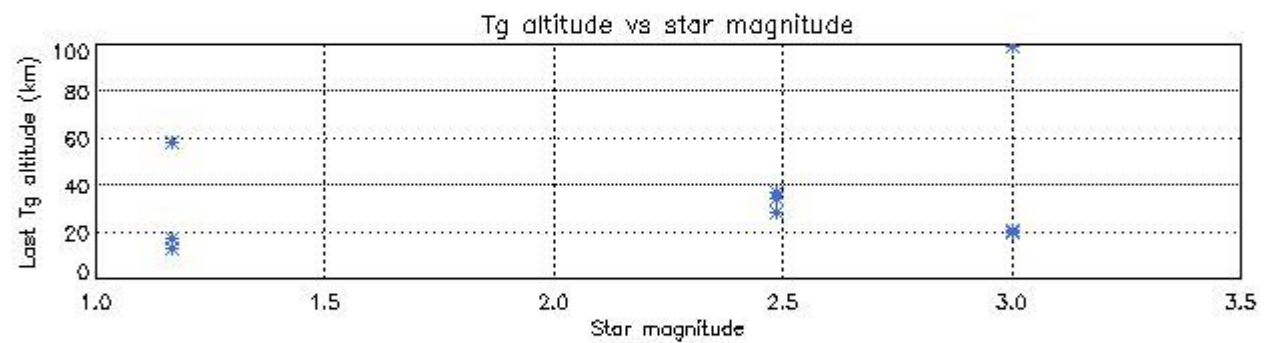
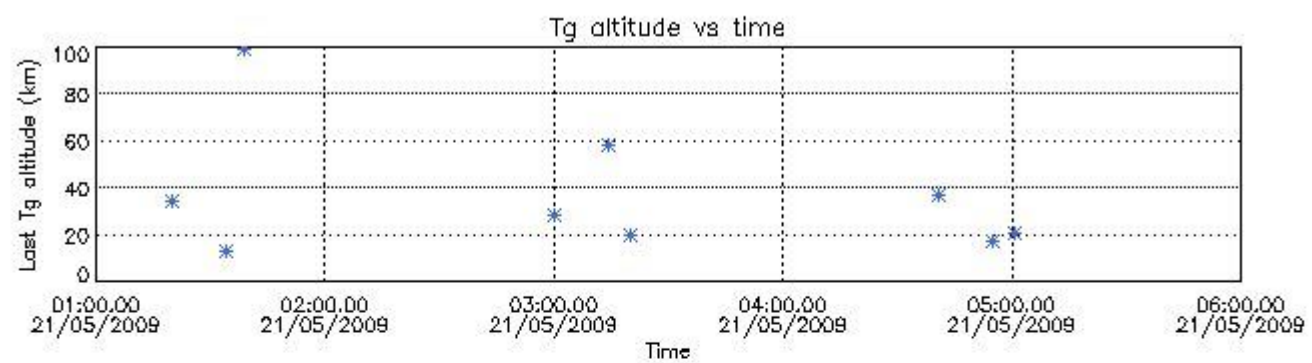
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	36.259	26.240	NaN
St. deviation:	27.325	9.6552	NaN
Maximum:	99.352	44.229	NaN
Minimum:	12.841	11.952	NaN
Number of data:	9.0000	22.000	NaN

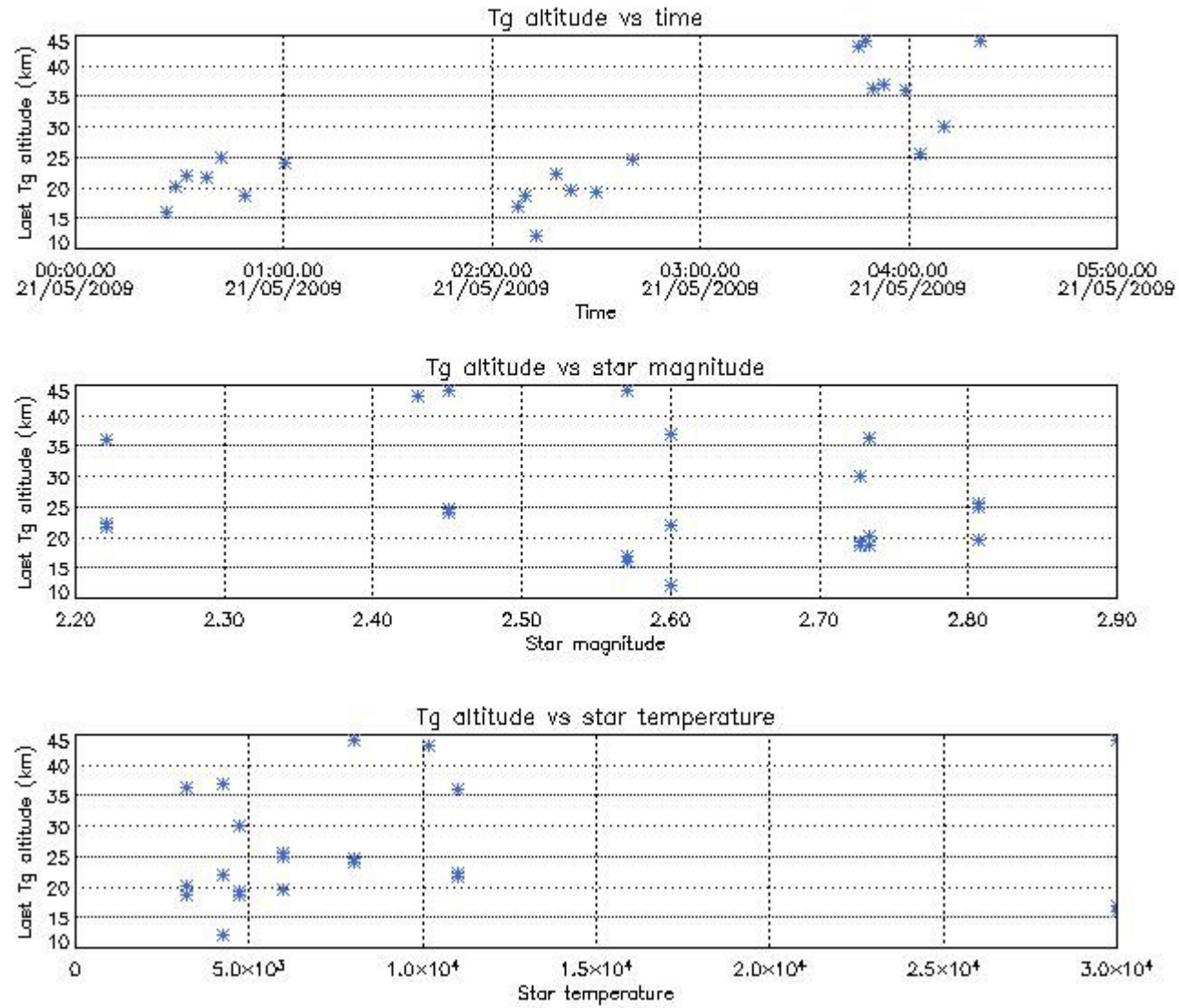
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

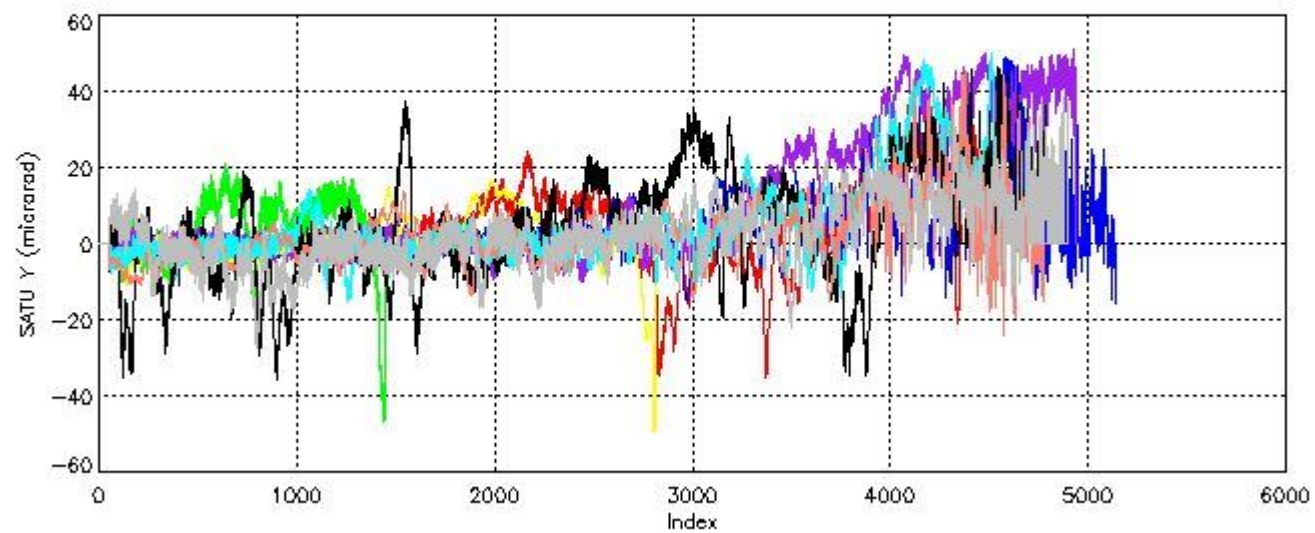
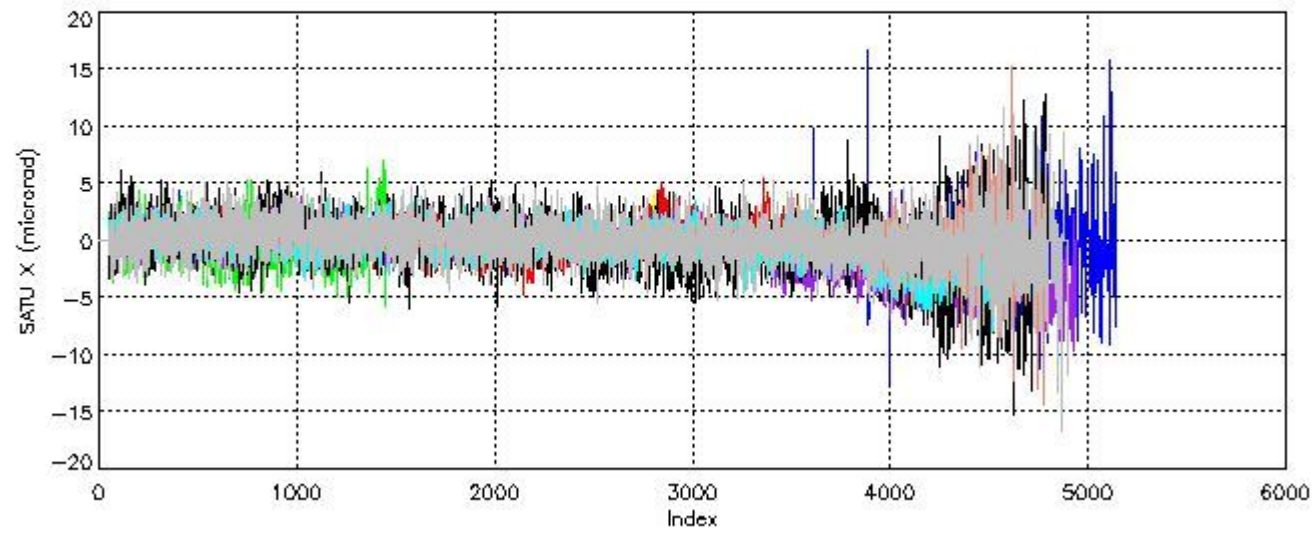


7. Star Acquisition and Tracking Unit (SATU)

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:	0.37969	-1.5960	0.37493	-1.6545
St. deviation:	0.99378	4.5455	0.87332	2.9992
Maximum:	6.2000	21.200	5.1000	14.500
Minimum:	-5.0000	-35.700	-3.8000	-20.900

Number of data:	10750.	10750.	22900.	22900.
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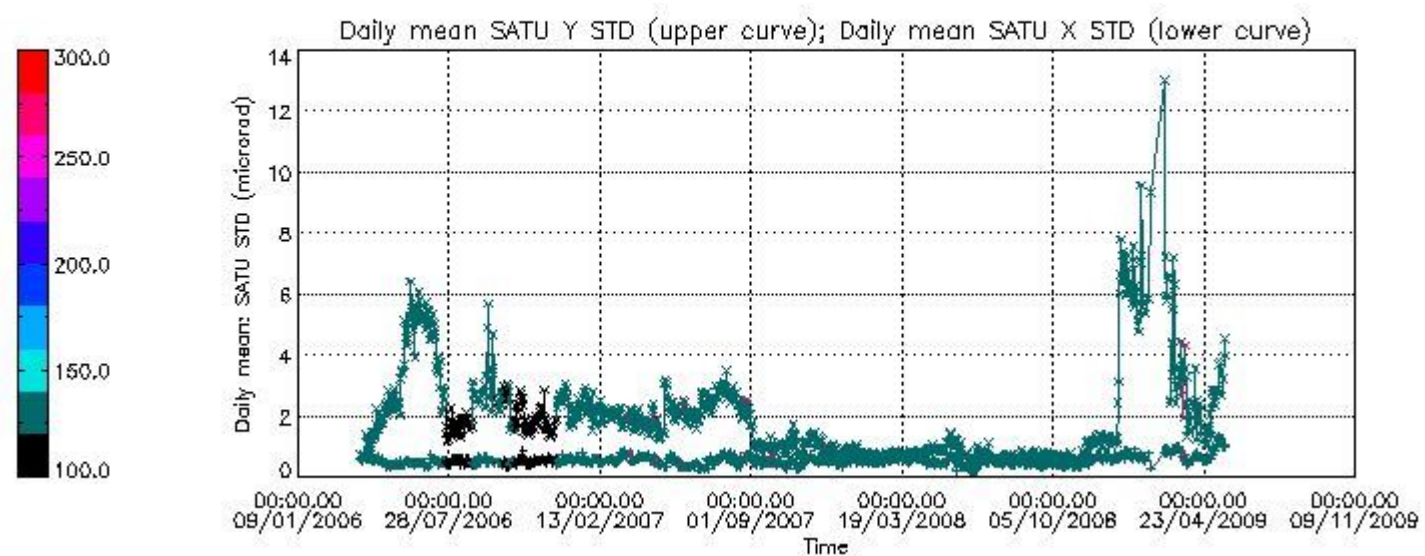
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

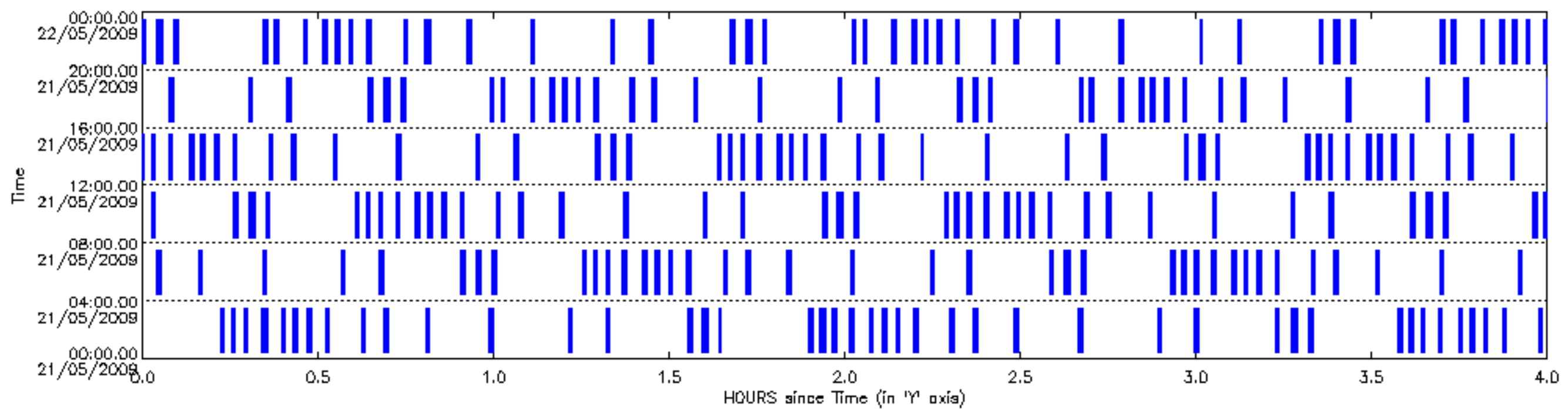
Lower curve: STD of SATU X axis

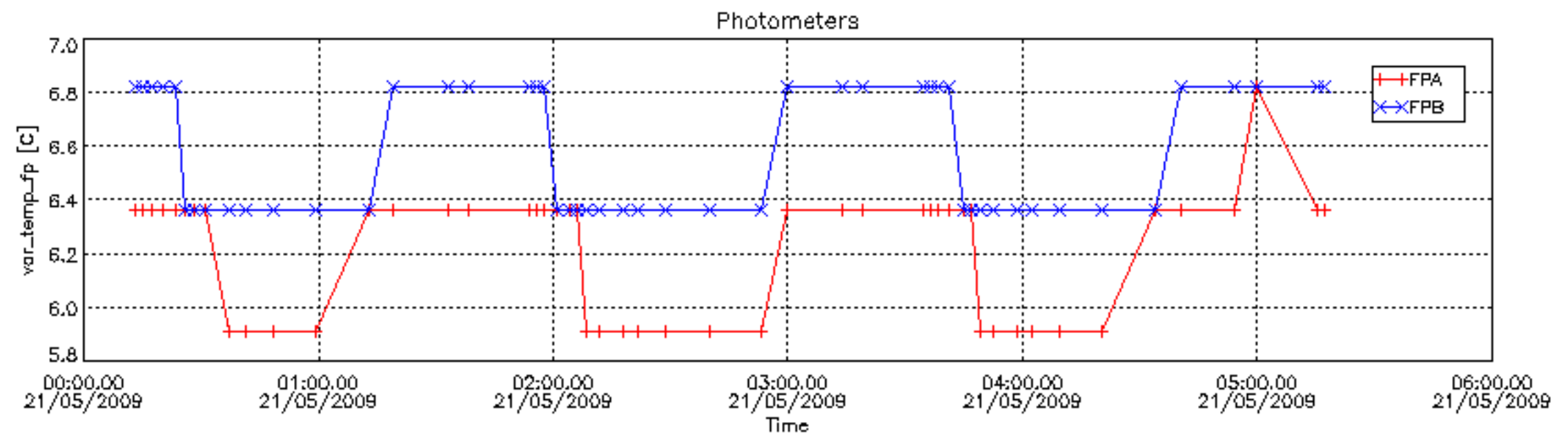
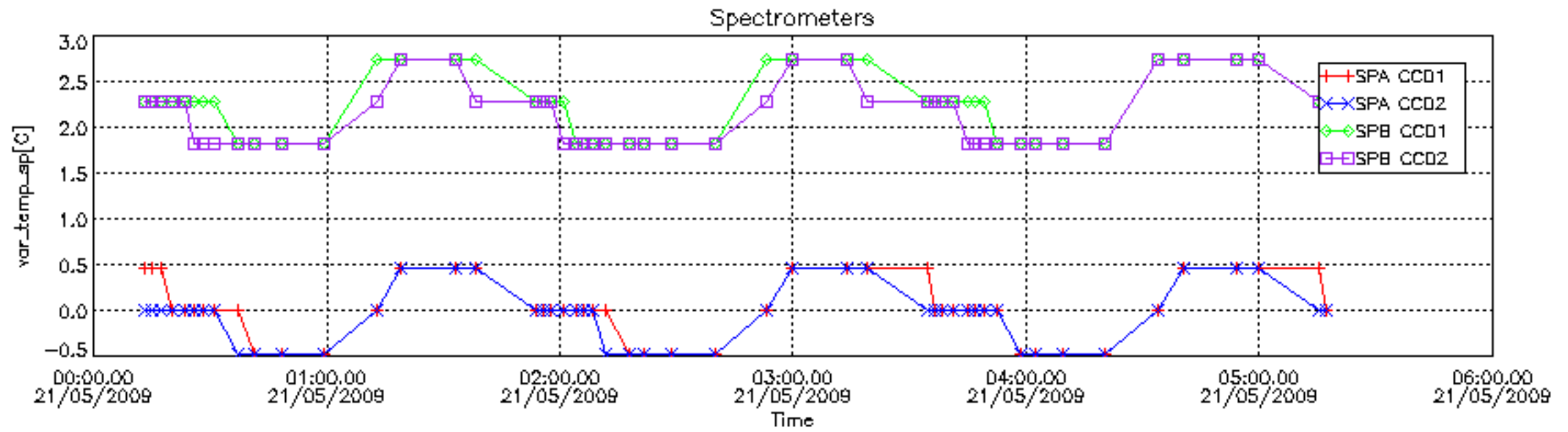


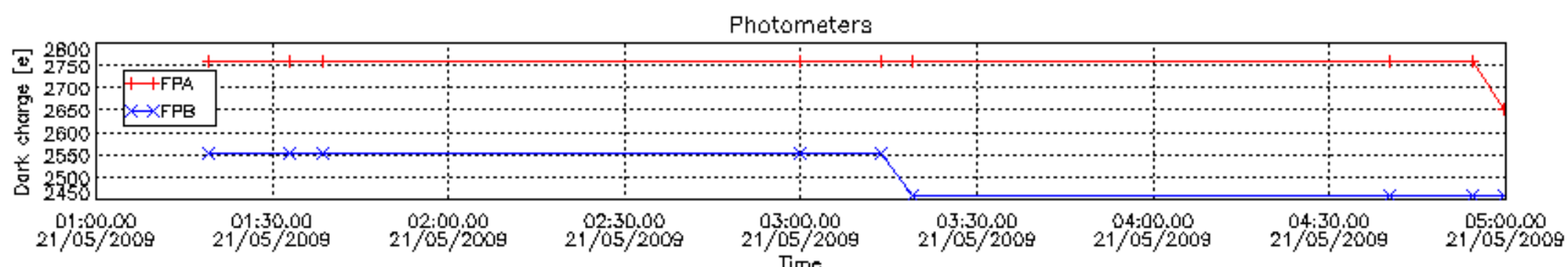
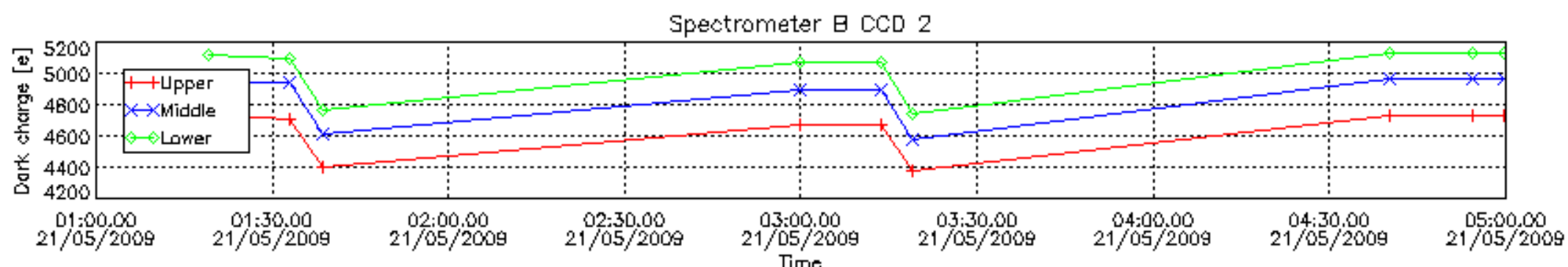
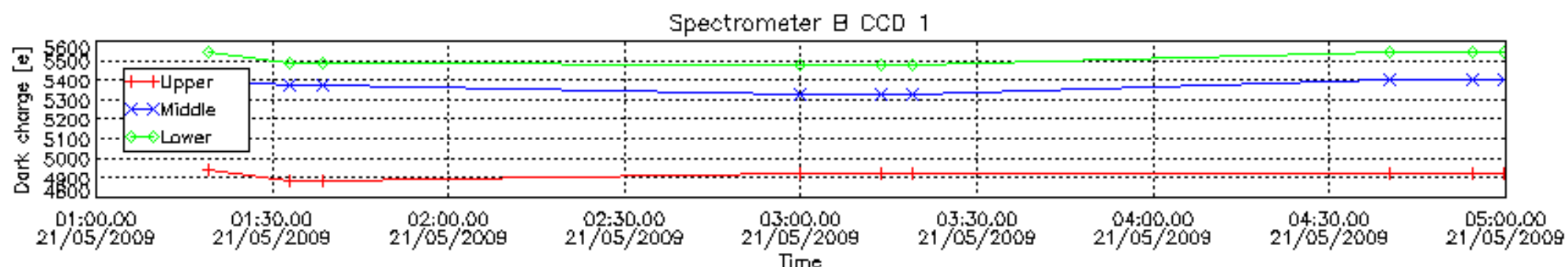
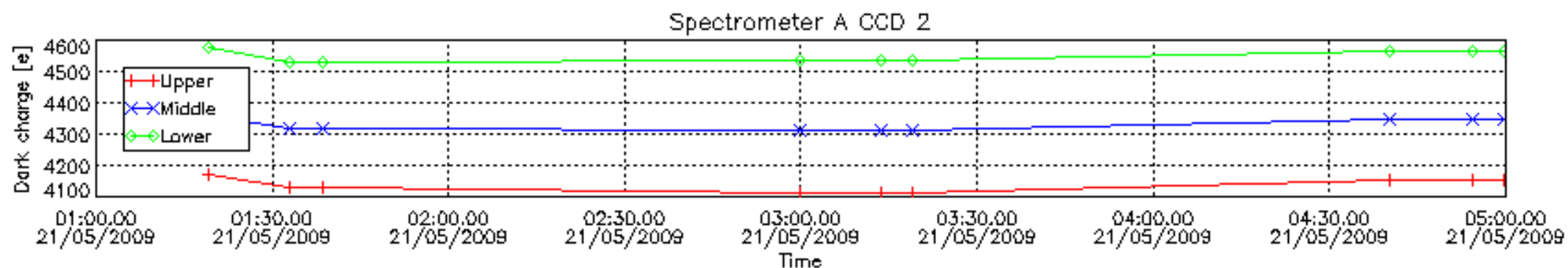
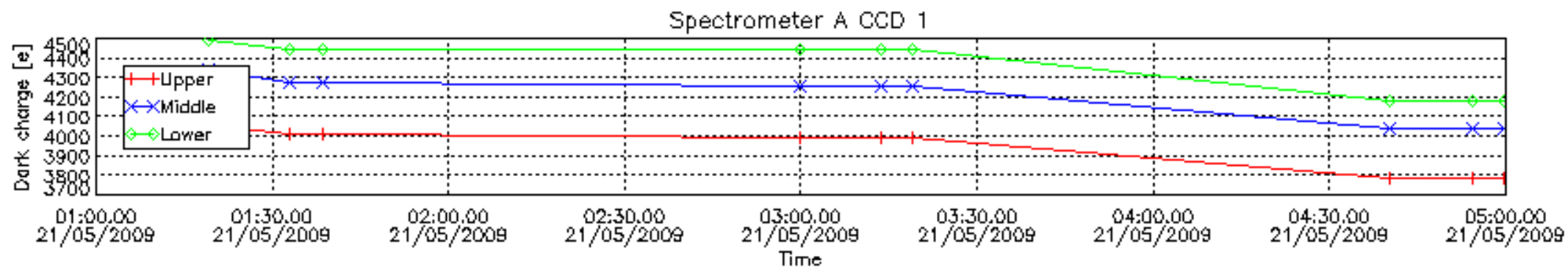
8. Auxiliary Data Files used for the production reported in section 2.4

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.

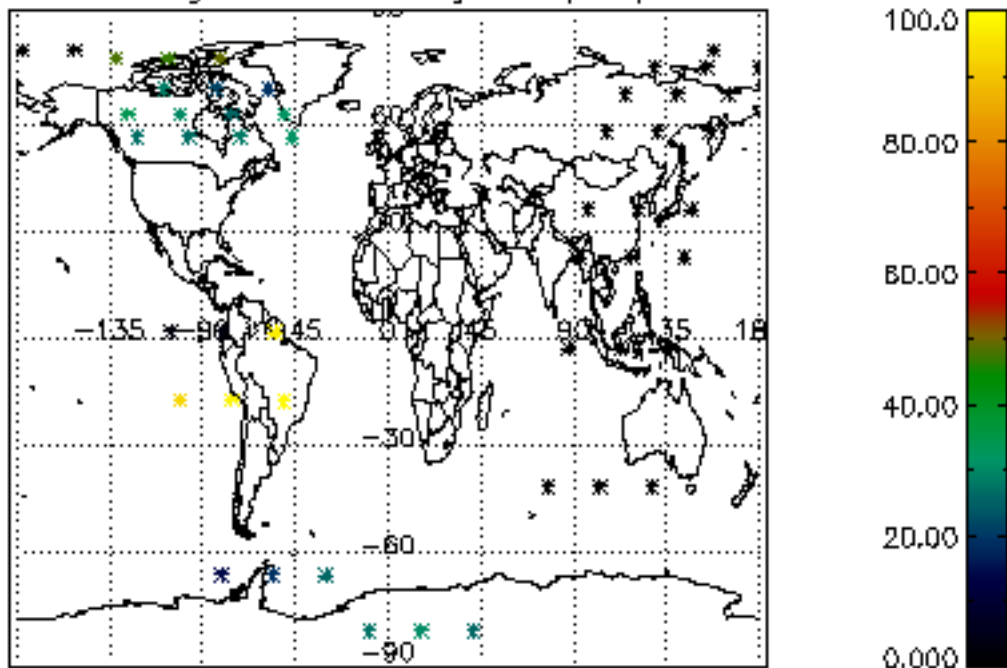
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	21-MAY-2009 00:13:15
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090519_115952_20090517_000000_20100101_000000	1	21-MAY-2009 00:13:15
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	21-MAY-2009 00:13:15
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	21-MAY-2009 00:13:15
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	21-MAY-2009 00:13:15
ECMWF_FILE	AUX_ECF_AXNECM20090520_064111_20090520_210000_20090521_090000	1	21-MAY-2009 00:13:15
ECMWF_FILE	AUX_ECF_AXNECM20090520_184113_20090521_030000_20090521_150000	44	21-MAY-2009 04:20:24
OPTIONAL_ECMWF_FILE	MISSING	1	21-MAY-2009 00:13:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090520_220321_000057382079_00129_37758_7985.N1	1	21-MAY-2009 00:13:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090520_234418_000054192079_00130_37759_7986.N1	15	21-MAY-2009 01:33:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090521_011957_000044632079_00131_37760_7987.N1	29	21-MAY-2009 02:53:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090521_041517_000057382079_00133_37762_7989.N1	44	21-MAY-2009 04:20:24



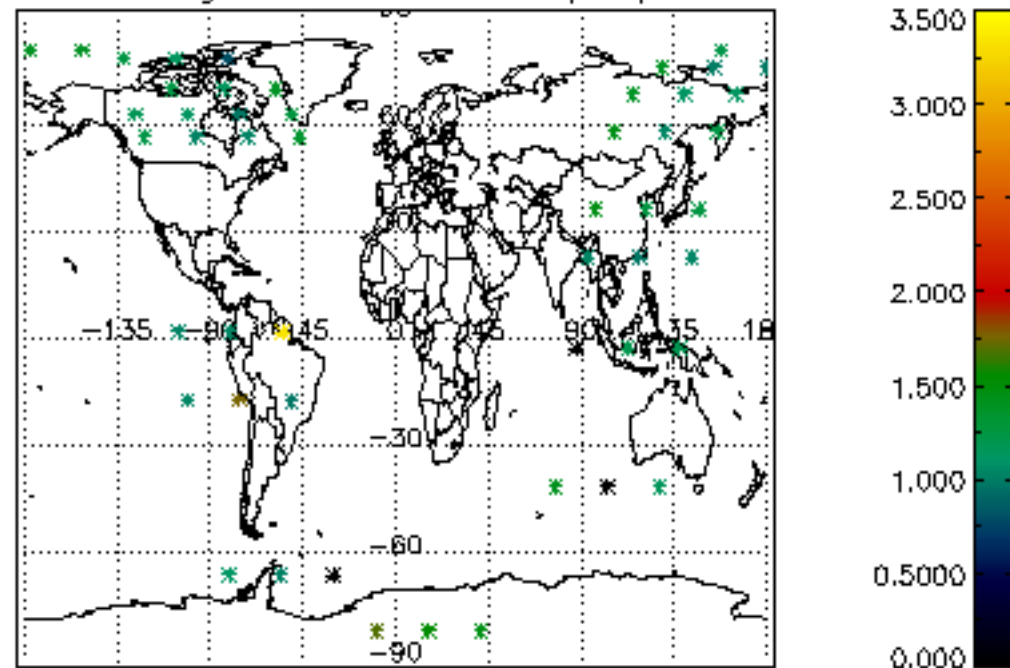




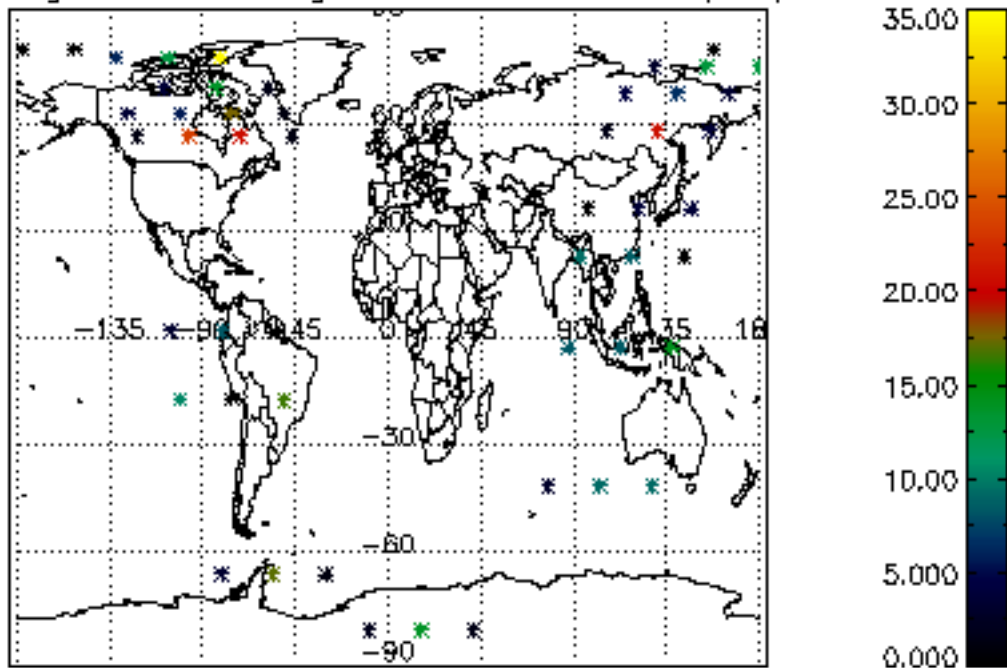
Percentage of cosmic ray hits per profile



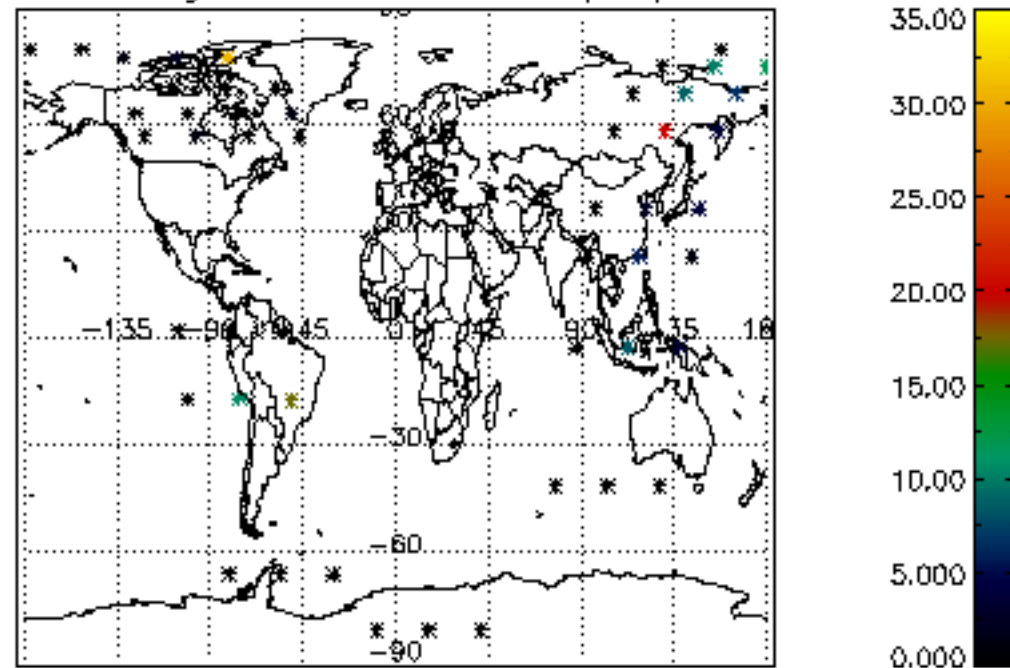
Percentage of datation errors per profile



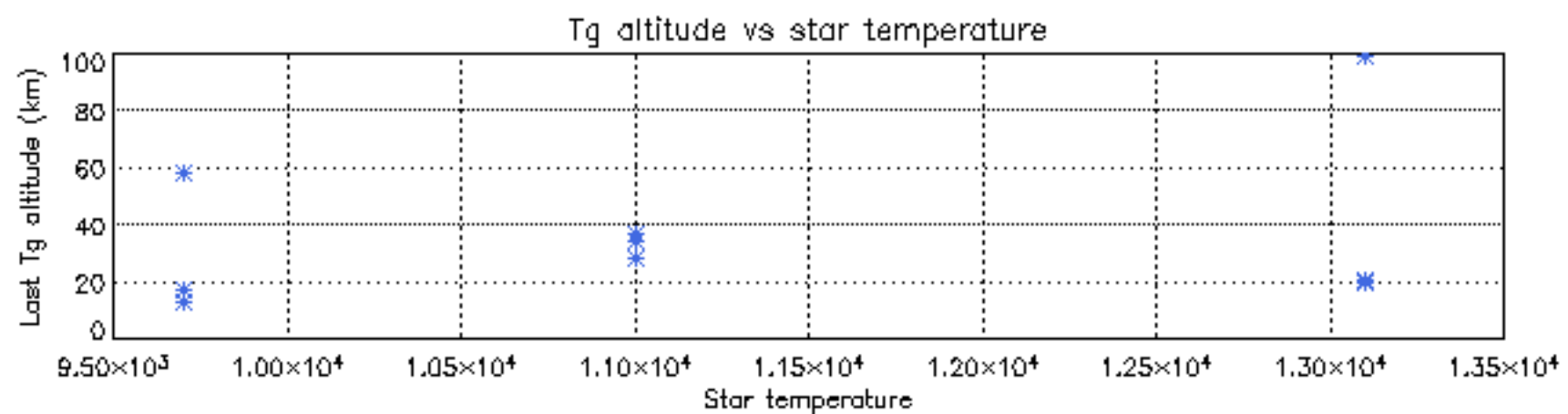
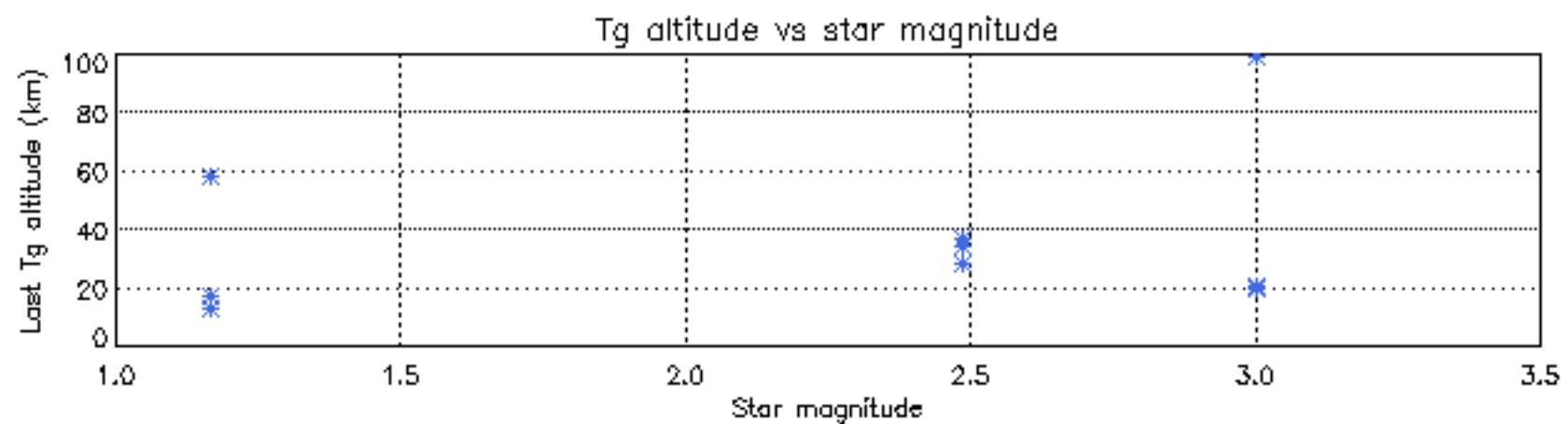
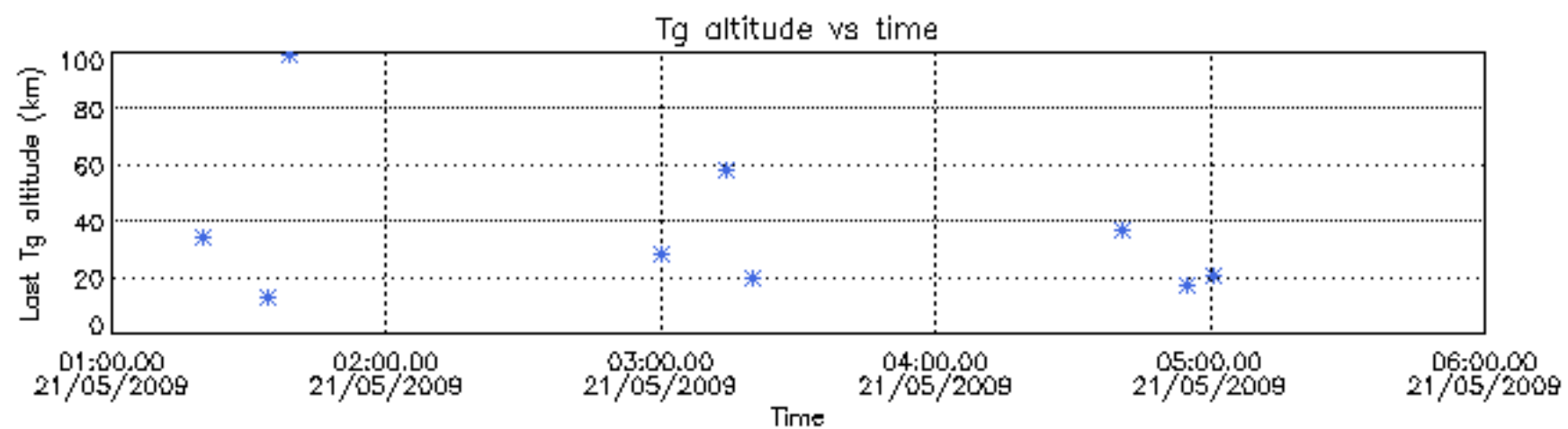
Percentage of star falling outside central band per profile



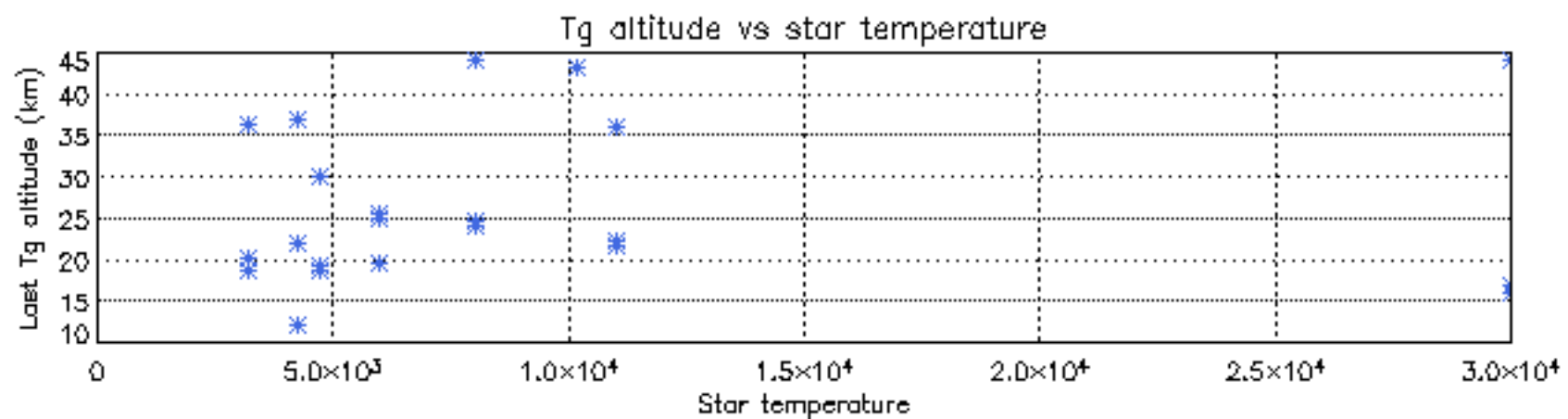
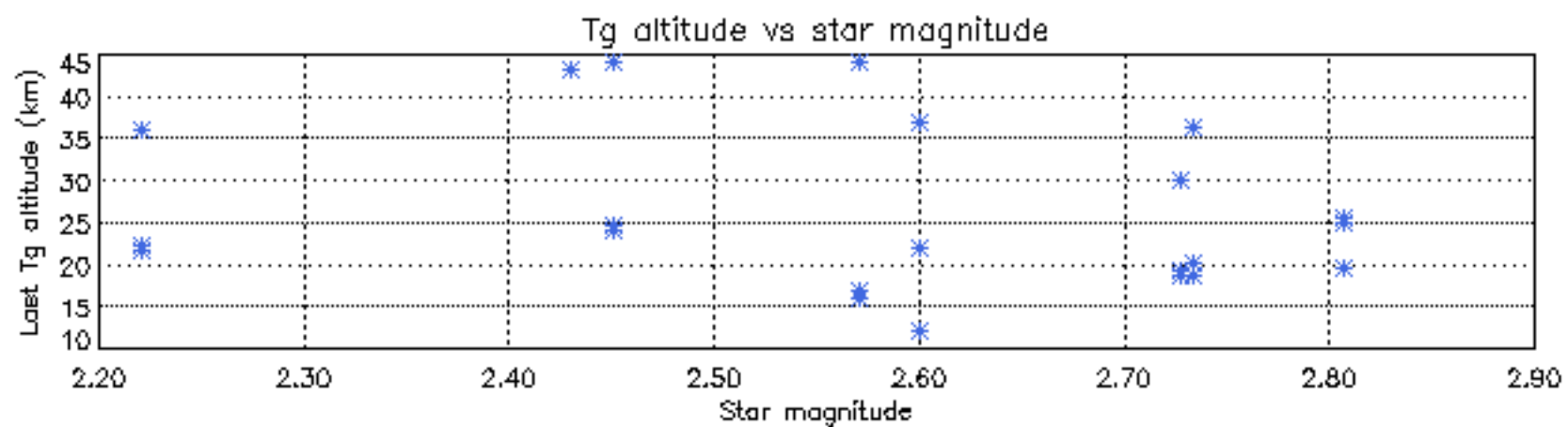
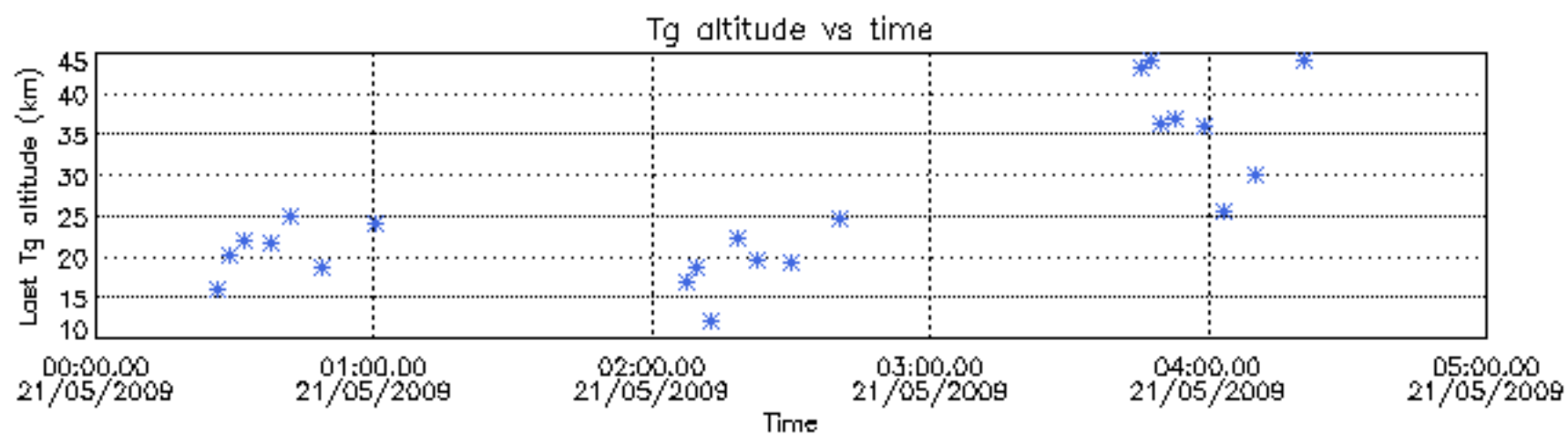
Percentage of saturation errors per profile

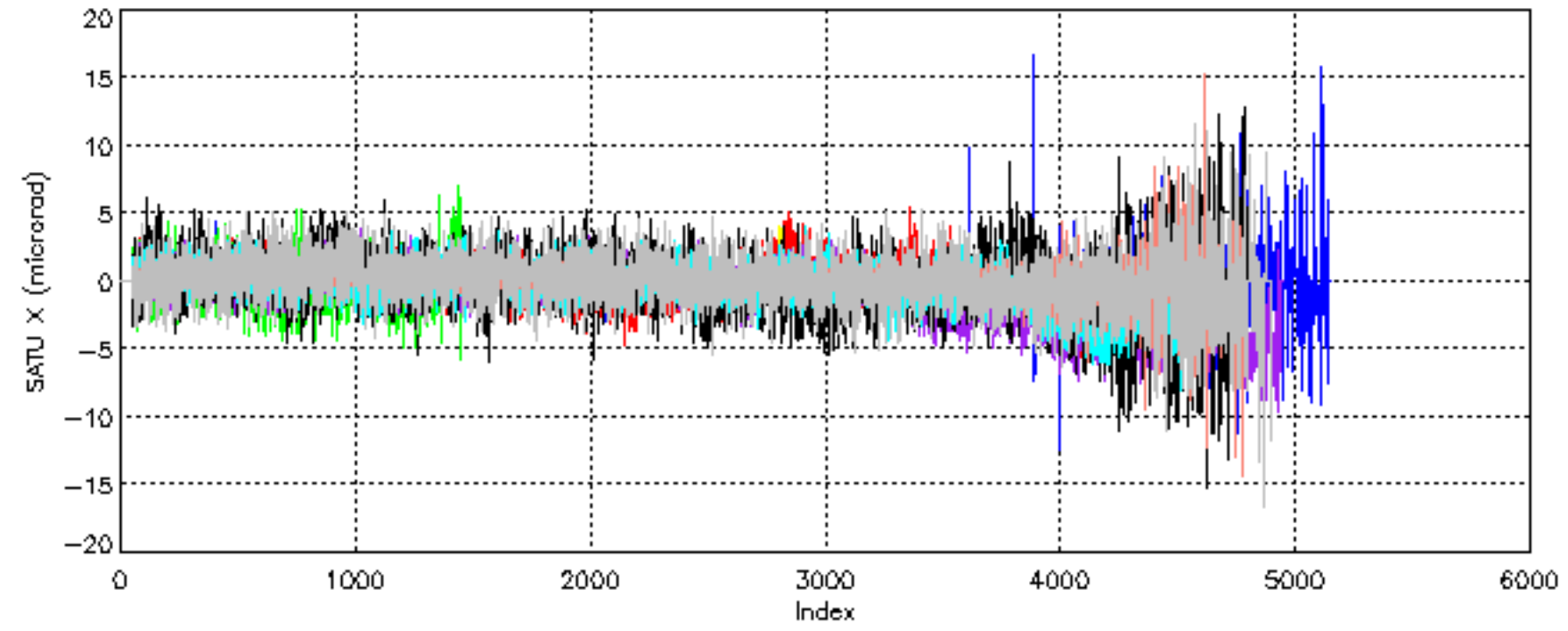


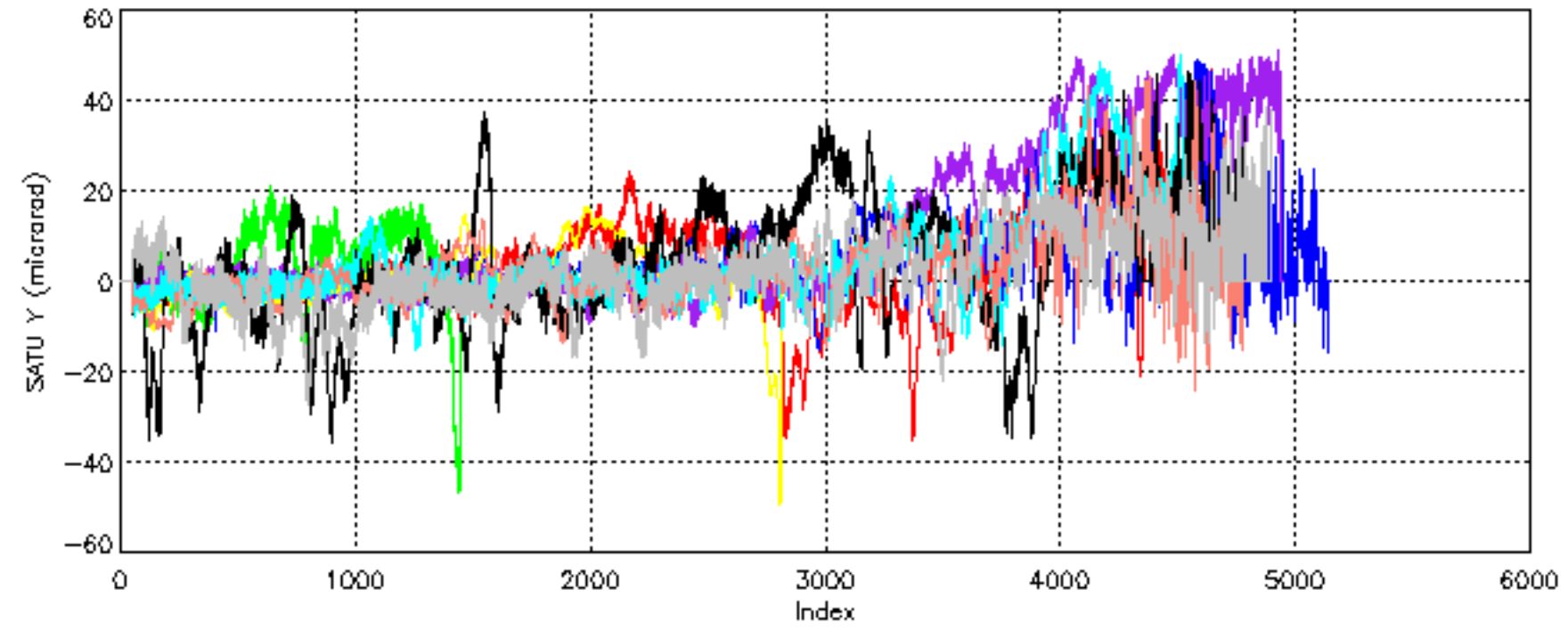
Tangent altitude at which the star is lost

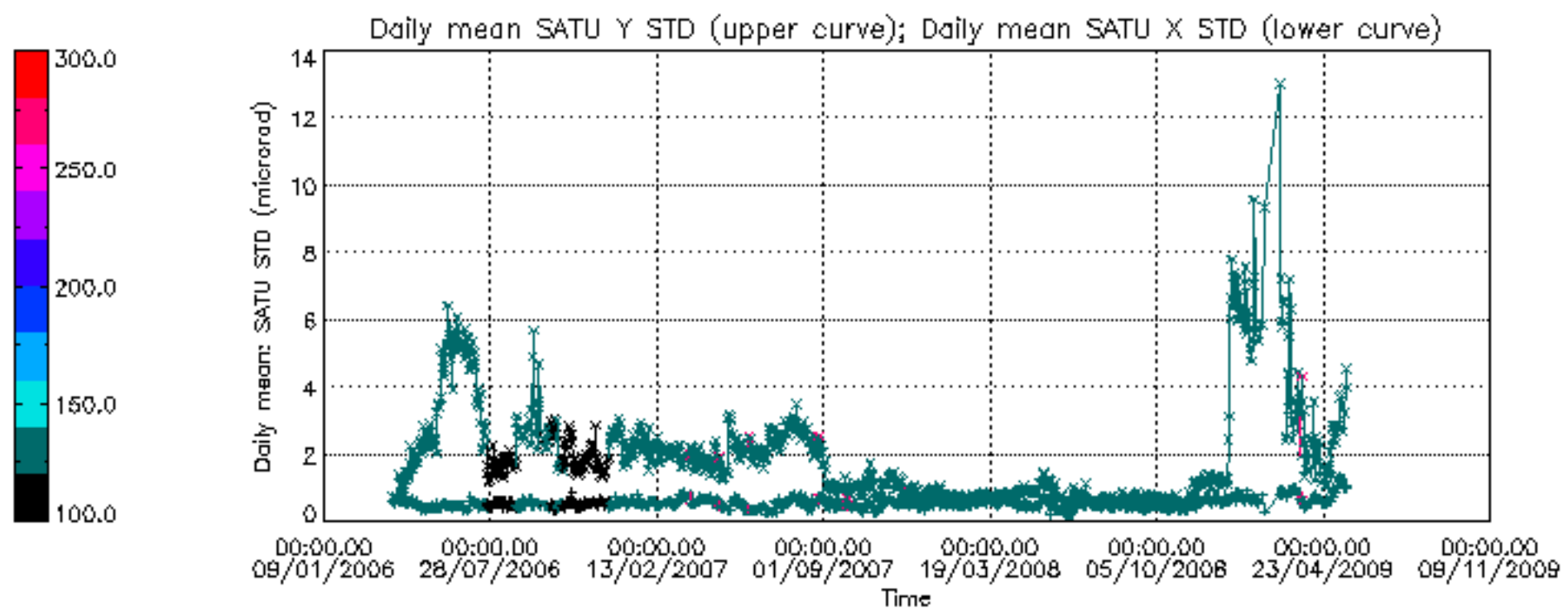


Tangent altitude at which the star is lost









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 3; 748.8; 01-MAY-2009 00:38:31; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;37474
 4; 853.9; 01-MAY-2009 00:40:16; Dark ; 60.5; 25; 35Lam Sco ; 1.62; 28000;occ; 121; 0;37474
 5; 1041.1; 01-MAY-2009 00:43:23; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;37474
 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
 8; 1590.8; 01-MAY-2009 00:52:33; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;37474
 9; 1728.1; 01-MAY-2009 00:54:50; Bright; 48.0; 104; 27Bet Lib ; 2.61; 13100;occ; 96; 0;37474
 10; 2264.2; 01-MAY-2009 01:03:46; Bright; 45.0; 3; 16Alp Boo ; -0.05; 4250;occ; 90; 0;37474
 11; 2455.1; 01-MAY-2009 01:06:57; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;37474
 12; 2635.6; 01-MAY-2009 01:09:58; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;37474
 13; 3209.6; 01-MAY-2009 01:19:32; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;37474
 14; 3828.1; 01-MAY-2009 01:29:50; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;37474
 15; 4509.0; 01-MAY-2009 01:41:11; Dark ; 36.5; 164; 44Eta Peg ; 2.95; 5400;occ; 73; 0;37474
 16; 5033.8; 01-MAY-2009 01:49:56; Dark ; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;37474
 17; 5179.5; 01-MAY-2009 01:52:22; Dark ; 30.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 60; 0;37474

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 2; -632.3; 01-MAY-2009 01:56:06; Dark ; 59.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 118; 0;37474
 3; -475.7; 01-MAY-2009 01:58:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37474
 4; 749.7; 01-MAY-2009 02:19:08; Dark ; 58.5; 40; The Sco ; 1.86; 7100;occ; 117; 0;37475
 5; 855.0; 01-MAY-2009 02:20:53; Dark ; 57.0; 25; 35Lam Sco ; 1.62; 28000;occ; 114; 0;37475
 6; 1041.9; 01-MAY-2009 02:24:00; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;37475
 7; 1266.8; 01-MAY-2009 02:27:45; Dark ; 46.0; 16; 21Alp Sco ; 1.02; 3000;occ; 92; 0;37475
 8; 1401.0; 01-MAY-2009 02:29:59; Dark ; 56.5; 80; 7Del Sco ; 2.32; 30000;occ; 113; 0;37475
 9; 1590.9; 01-MAY-2009 02:33:09; Bright; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;37475
 10; 1728.2; 01-MAY-2009 02:35:26; Bright; 50.0; 104; 27Bet Lib ; 2.61; 13100;occ; 100; 0;37475
 11; 2264.0; 01-MAY-2009 02:44:22; Bright; 39.5; 3; 16Alp Boo ; -0.05; 4250;occ; 79; 0;37475
 12; 2454.5; 01-MAY-2009 02:47:33; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;37475
 13; 2635.1; 01-MAY-2009 02:50:33; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;37475
 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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 2; -1001.3; 01-MAY-2009 03:30:33; Dark ; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;37475
 3; -855.6; 01-MAY-2009 03:32:58; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;37475
 4; -631.1; 01-MAY-2009 03:36:43; Dark ; 58.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 117; 0;37475
 5; -474.5; 01-MAY-2009 03:39:20; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37475
 6; 751.0; 01-MAY-2009 03:59:45; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;37476
 7; 855.7; 01-MAY-2009 04:01:30; Dark ; 57.0; 25; 35Lam Sco ; 1.62; 28000;occ; 114; 0;37476
 8; 1042.8; 01-MAY-2009 04:04:37; Dark ; 59.5; 75; 26Eps Sco ; 2.29; 4250;occ; 119; 0;37476
 9; 1267.4; 01-MAY-2009 04:08:21; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;37476
 10; 1401.5; 01-MAY-2009 04:10:36; Dark ; 56.0; 80; 7Del Sco ; 2.32; 30000;occ; 112; 0;37476
 11; 1590.8; 01-MAY-2009 04:13:45; Bright; 52.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 105; 0;37476
 12; 1728.3; 01-MAY-2009 04:16:02; Bright; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;37476
 13; 2263.9; 01-MAY-2009 04:24:58; Bright; 40.5; 3; 16Alp Boo ; -0.05; 4250;occ; 81; 0;37476
 14; 2454.3; 01-MAY-2009 04:28:08; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;37476
 15; 2634.9; 01-MAY-2009 04:31:09; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;37476
 16; 3208.5; 01-MAY-2009 04:40:43; Bright; 47.5; 119; 14Eta Dra ; 2.73; 4700;occ; 95; 0;37476

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 2; -1526.7; 01-MAY-2009 05:02:23; Dark ; 38.0; 164; 44Eta Peg ; 2.95; 5400;occ; 76; 0;37476
 3; -1000.4; 01-MAY-2009 05:11:10; Dark ; 55.0; 61; 8Eps Peg ; 2.10; 3900;occ; 110; 0;37476
 4; -854.7; 01-MAY-2009 05:13:35; Dark ; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;37476
 5; -629.8; 01-MAY-2009 05:17:20; Dark ; 63.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 127; 0;37476
 6; -473.4; 01-MAY-2009 05:19:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37476
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 8; 856.7; 01-MAY-2009 05:42:07; Dark ; 62.5; 25; 35Lam Sco ; 1.62; 28000;occ; 125; 0;37477
 9; 1043.4; 01-MAY-2009 05:45:13; Dark ; 57.5; 75; 26Eps Sco ; 2.29; 4250;occ; 115; 0;37477
 10; 1267.9; 01-MAY-2009 05:48:58; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;37477
 11; 1401.8; 01-MAY-2009 05:51:12; Dark ; 56.0; 80; 7Del Sco ; 2.32; 30000;occ; 112; 0;37477
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 14; 2263.7; 01-MAY-2009 06:05:34; Bright; 59.0; 3; 16Alp Boo ; -0.05; 4250;occ; 118; 0;37477
 15; 2453.6; 01-MAY-2009 06:08:44; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;37477
 16; 2634.5; 01-MAY-2009 06:11:45; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;37477

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2; 1050.0; 01-MAY-2009 20:50:44; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;37486
3; 1272.3; 01-MAY-2009 20:54:26; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;37486
4; 1404.7; 01-MAY-2009 20:56:38; Dark ; 49.5; 80; 7Del Sco ; 2.32; 30000;occ; 99; 0;37486
5; 1592.1; 01-MAY-2009 20:59:46; Bright; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;37486
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7; 2261.0; 01-MAY-2009 21:10:55; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;37486
8; 2448.9; 01-MAY-2009 21:14:02; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;37486
9; 2630.2; 01-MAY-2009 21:17:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;37486
10; 3202.2; 01-MAY-2009 21:26:36; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;37486
11; 3824.5; 01-MAY-2009 21:36:58; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37486
12; 4511.0; 01-MAY-2009 21:48:25; Dark ; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;37486
13; 5044.1; 01-MAY-2009 21:57:18; Dark ; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;37486
14; 5189.4; 01-MAY-2009 21:59:43; Dark ; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;37486
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2; -617.2; 01-MAY-2009 22:03:32; Dark ; 54.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 109; 0;37486
3; -461.7; 01-MAY-2009 22:06:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37486
4; 760.0; 01-MAY-2009 22:26:29; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;37487
5; 866.0; 01-MAY-2009 22:28:15; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;37487
6; 1050.2; 01-MAY-2009 22:31:20; Dark ; 51.5; 75; 26Eps Sco ; 2.29; 4250;occ; 103; 0;37487
7; 1272.9; 01-MAY-2009 22:35:02; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;37487
8; 1405.0; 01-MAY-2009 22:37:14; Dark ; 49.5; 80; 7Del Sco ; 2.32; 30000;occ; 99; 0;37487
9; 1592.3; 01-MAY-2009 22:40:22; Bright; 41.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 82; 0;37487
10; 1727.9; 01-MAY-2009 22:42:37; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;37487
11; 2260.8; 01-MAY-2009 22:51:30; Bright; 59.0; 3; 16Alp Boo ; -0.05; 4250;occ; 118; 0;37487
12; 2448.5; 01-MAY-2009 22:54:38; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;37487
13; 2629.7; 01-MAY-2009 22:57:39; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;37487
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15; 3824.1; 01-MAY-2009 23:17:34; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37487
16; 4511.0; 01-MAY-2009 23:29:00; Dark ; 35.0; 164; 44Eta Peg ; 2.95; 5400;occ; 70; 0;37487
17; 5045.0; 01-MAY-2009 23:37:54; Dark ; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;37487
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4; 867.0; 02-MAY-2009 00:08:52; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;37488
5; 1050.8; 02-MAY-2009 00:11:56; Dark ; 51.5; 75; 26Eps Sco ; 2.29; 4250;occ; 103; 0;37488
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9; 1727.7; 02-MAY-2009 00:23:13; Bright; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;37488
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13; 3200.9; 02-MAY-2009 00:47:46; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;37488
14; 3823.8; 02-MAY-2009 00:58:09; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37488
15; 4511.1; 02-MAY-2009 01:09:36; Dark ; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;37488
16; 5045.7; 02-MAY-2009 01:18:31; Dark ; 40.0; 61; 8Eps Peg ; 2.10; 3900;occ; 80; 0;37488
17; 5191.1; 02-MAY-2009 01:20:56; Dark ; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;37488
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 4; 2627.2; 02-MAY-2009 09:01:12; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;37493
 5; 3197.7; 02-MAY-2009 09:10:43; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;37493
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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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1; 961.4; 05-MAY-2009 20:23:23; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 90;37543
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090505_213443_000056272078_00415_37543_7725.N1

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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1; -387.6; 05-MAY-2009 23:22:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37544
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090505_060528_000039912078_00406_37534_3861.N1

1; -2226.7; 05-MAY-2009 06:05:28; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37534
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090505_071120_000060822078_00407_37535_3862.N1

1; 1726.1; 05-MAY-2009 07:11:20; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;37535
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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1; 2426.7; 05-MAY-2009 09:03:37; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;37536
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
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090505_103232_000057752078_00409_37537_3864.N1
1; 1725.8; 05-MAY-2009 10:32:32; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;37537
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
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090505_121308_000057752078_00410_37538_3865.N1
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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
4; 3171.1; 05-MAY-2009 12:37:13; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;37538
5; 3808.4; 05-MAY-2009 12:47:50; Bright; 35.0; 89; 5Alp Cep ; 2.45; 8000;occ; 70; 0;37538
6; 4548.9; 05-MAY-2009 13:00:11; Dark ; 33.0; 93; 53Bet Peg ; 2.52; 3100;occ; 66; 0;37538
7; 4796.6; 05-MAY-2009 13:04:19; Dark ; 33.5; 90; 54Alp Peg ; 2.49; 11000;occ; 67; 0;37538
8; 5236.3; 05-MAY-2009 13:11:38; Dark ; 45.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 91; 0;37538
9; 5640.1; 05-MAY-2009 13:18:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37538
10; 6840.0; 05-MAY-2009 13:38:22; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;37538
11; 6949.3; 05-MAY-2009 13:40:11; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;37538
12; 7120.8; 05-MAY-2009 13:43:03; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;37538
13; 7332.5; 05-MAY-2009 13:46:34; Dark ; 51.0; 16; 21Alp Sco ; 1.02; 3000;occ; 102; 0;37538
14; 7455.3; 05-MAY-2009 13:48:37; Dark ; 46.0; 80; 7Del Sco ; 2.32; 30000;occ; 92; 0;37538
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090505_135343_000057392078_00411_37539_3866.N1
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2; 2425.3; 05-MAY-2009 14:05:23; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;37539
3; 2609.3; 05-MAY-2009 14:08:27; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;37539
4; 3807.7; 05-MAY-2009 14:28:26; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37539
5; 4549.2; 05-MAY-2009 14:40:47; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37539
6; 4797.2; 05-MAY-2009 14:44:55; Dark ; 34.5; 90; 54Alp Peg ; 2.49; 11000;occ; 69; 0;37539
7; 5237.0; 05-MAY-2009 14:52:15; Dark ; 48.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 96; 0;37539
8; 5641.6; 05-MAY-2009 14:58:59; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;37539
9; 6840.5; 05-MAY-2009 15:18:58; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;37539
10; 6949.8; 05-MAY-2009 15:20:48; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;37539
11; 7121.3; 05-MAY-2009 15:23:39; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;37539
12; 7332.9; 05-MAY-2009 15:27:11; Dark ; 50.5; 16; 21Alp Sco ; 1.02; 3000;occ; 101; 0;37539

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13; 7455.6; 05-MAY-2009 15:29:13; Dark ; 9.5; 80; 7Del Sco ; 2.32; 30000;occ; 19; 0;37539
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1; 1419.6; 05-MAY-2009 15:29:13; Dark ; 46.5; 80; 7Del Sco ; 2.32; 30000;occ; 93; 0;37540
2; 1725.6; 05-MAY-2009 15:34:19; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;37540
3; 2424.6; 05-MAY-2009 15:45:58; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;37540
4; 2608.5; 05-MAY-2009 15:49:02; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;37540
5; 3170.6; 05-MAY-2009 15:58:24; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;37540
6; 3806.9; 05-MAY-2009 16:09:01; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;37540
7; 4549.5; 05-MAY-2009 16:21:23; Dark ; 34.0; 93; 53Bet Peg ; 2.52; 3100;occ; 68; 0;37540
8; 4797.3; 05-MAY-2009 16:25:31; Dark ; 35.0; 90; 54Alp Peg ; 2.49; 11000;occ; 70; 0;37540
9; 5238.0; 05-MAY-2009 16:32:52; Dark ; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;37540
10; 5643.0; 05-MAY-2009 16:39:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37540
11; 6841.3; 05-MAY-2009 16:59:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;37540
12; 6951.0; 05-MAY-2009 17:01:25; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;37540
13; 7122.1; 05-MAY-2009 17:04:16; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;37540
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090505_170416_000059162078_00413_37541_3868.N1
1; 1086.1; 05-MAY-2009 17:04:16; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;37541
2; 1297.4; 05-MAY-2009 17:07:47; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;37541
3; 1420.1; 05-MAY-2009 17:09:50; Dark ; 46.0; 80; 7Del Sco ; 2.32; 30000;occ; 92; 0;37541
4; 1725.8; 05-MAY-2009 17:14:56; Bright; 43.0; 104; 27Bet Lib ; 2.61; 13100;occ; 86; 0;37541
5; 2424.5; 05-MAY-2009 17:26:34; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;37541
6; 2608.6; 05-MAY-2009 17:29:38; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;37541
7; 3169.7; 05-MAY-2009 17:38:59; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;37541
8; 3807.4; 05-MAY-2009 17:49:37; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;37541
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10; 4797.9; 05-MAY-2009 18:06:08; Dark ; 34.5; 90; 54Alp Peg ; 2.49; 11000;occ; 69; 0;37541
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2; 1701.1; 28-MAY-2009 13:30:21; Bright; 32.5; 98; 13Zet Oph ; 2.57; 30000;occ; 65; 0;37868
3; 1835.3; 28-MAY-2009 13:32:35; Bright; 31.5; 120; 1Del Oph ; 2.73; 3200;occ; 63; 0;37868
4; 2343.0; 28-MAY-2009 13:41:03; Bright; 35.0; 127; 27Bet Her ; 2.78; 4700;occ; 70; 0;37868
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
7; 4546.5; 28-MAY-2009 14:17:46; Dark ; 28.0; 58; 21Alp And ; 2.07; 11000;occ; 56; 0;37868
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6; 3009.6; 28-MAY-2009 15:32:45; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;37869
7; 3657.2; 28-MAY-2009 15:43:33; Bright; 32.0; 89; 5Alp Cep ; 2.45; 8000;occ; 64; 0;37869
8; 4546.8; 28-MAY-2009 15:58:22; Dark ; 27.5; 58; 21Alp And ; 2.07; 11000;occ; 55; 0;37869
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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13; 7080.9; 28-MAY-2009 16:40:36; Dark ; 33.0; 178; Iot1Sco ; 3.02; 6550;occ; 66; 0;37869
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 5; 2554.1; 28-MAY-2009 17:05:46; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;37870
 6; 3008.9; 28-MAY-2009 17:13:20; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;37870
 7; 3656.3; 28-MAY-2009 17:24:08; Bright; 32.5; 89; 5Alp Cep ; 2.45; 8000;occ; 65; 0;37870
 8; 4546.8; 28-MAY-2009 17:38:58; Dark ; 28.0; 58; 21Alp And ; 2.07; 11000;occ; 56; 0;37870
 9; 4830.5; 28-MAY-2009 17:43:42; Dark ; 29.0; 140; 88Gam Peg ; 2.83; 26000;occ; 58; 0;37870
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 3; 1587.1; 28-MAY-2009 18:30:15; Bright; 35.0; 86; 35Eta Oph ; 2.43; 10200;occ; 70; 0;37871
 4; 1701.7; 28-MAY-2009 18:32:09; Bright; 32.0; 98; 13Zet Oph ; 2.57; 30000;occ; 64; 0;37871
 5; 1835.9; 28-MAY-2009 18:34:23; Bright; 30.5; 120; 1Del Oph ; 2.73; 3200;occ; 61; 0;37871
 6; 2341.6; 28-MAY-2009 18:42:49; Bright; 35.0; 127; 27Bet Her ; 2.78; 4700;occ; 70; 0;37871
 7; 2553.6; 28-MAY-2009 18:46:21; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;37871
 8; 3008.2; 28-MAY-2009 18:53:56; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;37871
 9; 3655.8; 28-MAY-2009 19:04:43; Bright; 32.5; 89; 5Alp Cep ; 2.45; 8000;occ; 65; 0;37871
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 11; 4831.0; 28-MAY-2009 19:24:19; Dark ; 29.0; 140; 88Gam Peg ; 2.83; 26000;occ; 58; 0;37871
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 6; 1701.6; 29-MAY-2009 01:14:33; Bright; 31.5; 98; 13Zet Oph ; 2.57; 30000;occ; 63; 0;37875
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 3; 171.2; 29-MAY-2009 02:29:38; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;37876
 4; 1048.4; 29-MAY-2009 02:44:15; Dark ; 32.5; 178; Iot1Sco ; 3.02; 6550;occ; 65; 0;37876
 5; 1126.5; 29-MAY-2009 02:45:34; Dark ; 32.0; 25; 35Lam Sco ; 1.62; 28000;occ; 64; 0;37876
 6; 1586.9; 29-MAY-2009 02:53:14; Bright; 35.0; 86; 35Eta Oph ; 2.43; 10200;occ; 70; 0;37876
 7; 1701.4; 29-MAY-2009 02:55:08; Bright; 32.0; 98; 13Zet Oph ; 2.57; 30000;occ; 64; 0;37876
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 9; 2550.6; 29-MAY-2009 03:09:18; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;37876
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 11; 2339.2; 29-MAY-2009 04:46:22; Bright; 34.0; 127; 27Bet Her ; 2.78; 4700;occ; 68; 0;37877
 12; 2550.2; 29-MAY-2009 04:49:53; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;37877
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13; 3003.5; 29-MAY-2009 06:38:03; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;37878
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6; 2544.1; 29-MAY-2009 21:35:47; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;37887
7; 2996.5; 29-MAY-2009 21:43:19; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;37887
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11; 3646.3; 29-MAY-2009 23:34:45; Bright; 32.0; 89; 5Alp Cep ; 2.45; 8000;occ; 64; 0;37888
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14; 7241.3; 31-MAY-2009 16:49:02; Dark ; 36.5; 116; 19Del Sgr ; 2.70; 4100;occ; 73; 0;37912
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1; 1228.8; 31-MAY-2009 16:49:26; Dark ; 37.0; 116; 19Del Sgr ; 2.70; 4100;occ; 74; 47;37913
2; 1590.8; 31-MAY-2009 16:55:28; Bright; 32.5; 86; 35Eta Oph ; 2.43; 10200;occ; 65; 0;37913
3; 1702.7; 31-MAY-2009 16:57:19; Bright; 30.0; 98; 13Zet Oph ; 2.57; 30000;occ; 60; 0;37913
4; 2324.4; 31-MAY-2009 17:07:41; Bright; 32.5; 127; 27Bet Her ; 2.78; 4700;occ; 65; 0;37913
5; 2530.9; 31-MAY-2009 17:11:08; Bright; 33.0; 133; 40Zet Her ; 2.81; 6000;occ; 66; 0;37913
6; 2979.9; 31-MAY-2009 17:18:37; Bright; 33.5; 130; 23Bet Dra ; 2.80; 5800;occ; 67; 0;37913
7; 3631.3; 31-MAY-2009 17:29:28; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;37913
8; 3934.6; 31-MAY-2009 17:34:31; Bright; 25.0; 74; 11Bet Cas ; 2.27; 6600;occ; 50; 0;37913
9; 4555.5; 31-MAY-2009 17:44:52; Dark ; 27.5; 58; 21Alp And ; 2.07; 11000;occ; 55; 0;37913
10; 4851.0; 31-MAY-2009 17:49:48; Dark ; 29.0; 140; 88Gam Peg ; 2.83; 26000;occ; 58; 0;37913
11; 5278.3; 31-MAY-2009 17:56:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37913
12; 5910.2; 31-MAY-2009 18:07:27; Dark ; 39.0; 18; 24Alp PsA ; 1.17; 9700;occ; 78; 0;37913
13; 6222.7; 31-MAY-2009 18:12:39; Dark ; 34.0; 31; Alp Gru ; 1.73; 15200;occ; 68; 0;37913
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1; 1103.8; 31-MAY-2009 18:27:57; Dark ; 35.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 70; 0;37914
2; 1205.8; 31-MAY-2009 18:29:39; Dark ; 37.0; 116; 19Del Sgr ; 2.70; 4100;occ; 74; 0;37914
3; 1590.9; 31-MAY-2009 18:36:04; Bright; 32.5; 86; 35Eta Oph ; 2.43; 10200;occ; 65; 0;37914
4; 1702.7; 31-MAY-2009 18:37:55; Bright; 30.0; 98; 13Zet Oph ; 2.57; 30000;occ; 60; 0;37914
5; 2324.1; 31-MAY-2009 18:48:17; Bright; 32.0; 127; 27Bet Her ; 2.78; 4700;occ; 64; 0;37914
6; 2530.4; 31-MAY-2009 18:51:43; Bright; 33.5; 133; 40Zet Her ; 2.81; 6000;occ; 67; 0;37914
7; 2979.3; 31-MAY-2009 18:59:12; Bright; 33.5; 130; 23Bet Dra ; 2.80; 5800;occ; 67; 0;37914
8; 3630.9; 31-MAY-2009 19:10:04; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;37914
9; 3934.2; 31-MAY-2009 19:15:07; Bright; 25.5; 74; 11Bet Cas ; 2.27; 6600;occ; 51; 0;37914
10; 4555.6; 31-MAY-2009 19:25:28; Dark ; 27.5; 58; 21Alp And ; 2.07; 11000;occ; 55; 0;37914
11; 4851.5; 31-MAY-2009 19:30:24; Dark ; 29.0; 140; 88Gam Peg ; 2.83; 26000;occ; 58; 0;37914
12; 5279.2; 31-MAY-2009 19:37:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;37914
13; 5911.2; 31-MAY-2009 19:48:04; Dark ; 39.0; 18; 24Alp PsA ; 1.17; 9700;occ; 78; 0;37914
14; 6223.7; 31-MAY-2009 19:53:16; Dark ; 34.0; 31; Alp Gru ; 1.73; 15200;occ; 68; 0;37914