

GOMOS Daily Report 29-JAN-2009

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

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

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

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

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

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

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

[4. Dark Charge monitoring](#)

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

[4.2 Plot of Dark Charge](#)

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

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

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

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

[6. Star tangent altitude lost](#)

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

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

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

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

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

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

[7.2 SATU Noise Equivalent Angle statistics](#)

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

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

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

[Level 2 products](#)

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

Item	Value
Time of report generation	03FEB2009 05:51:02
Data source version	GOMOS/5.00
Start time of products	29JAN2009 00:05:03
Stop time of products	29JAN2009 02:58:22
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	0

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

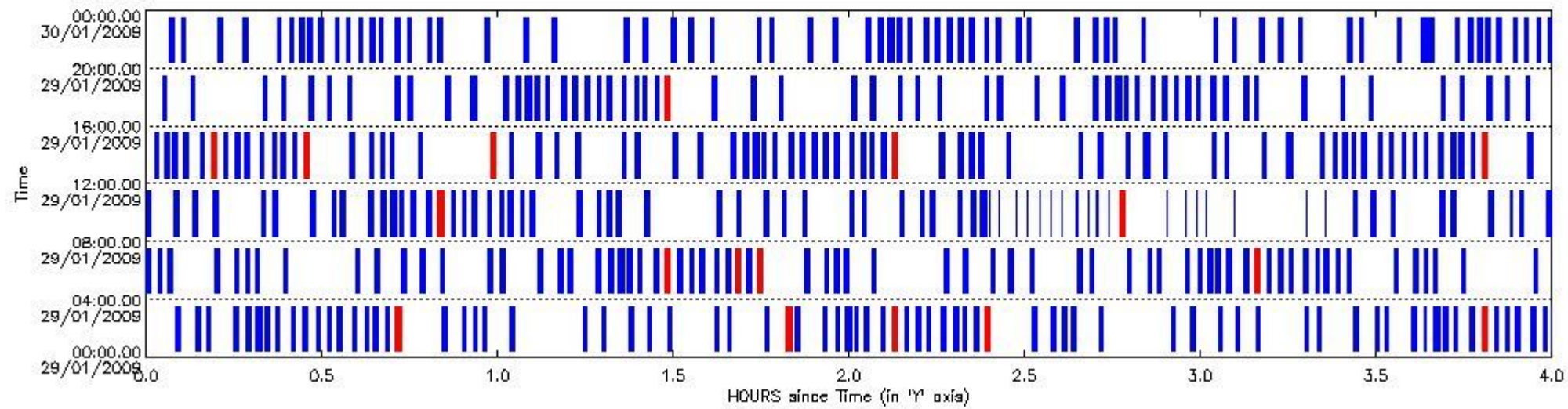
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

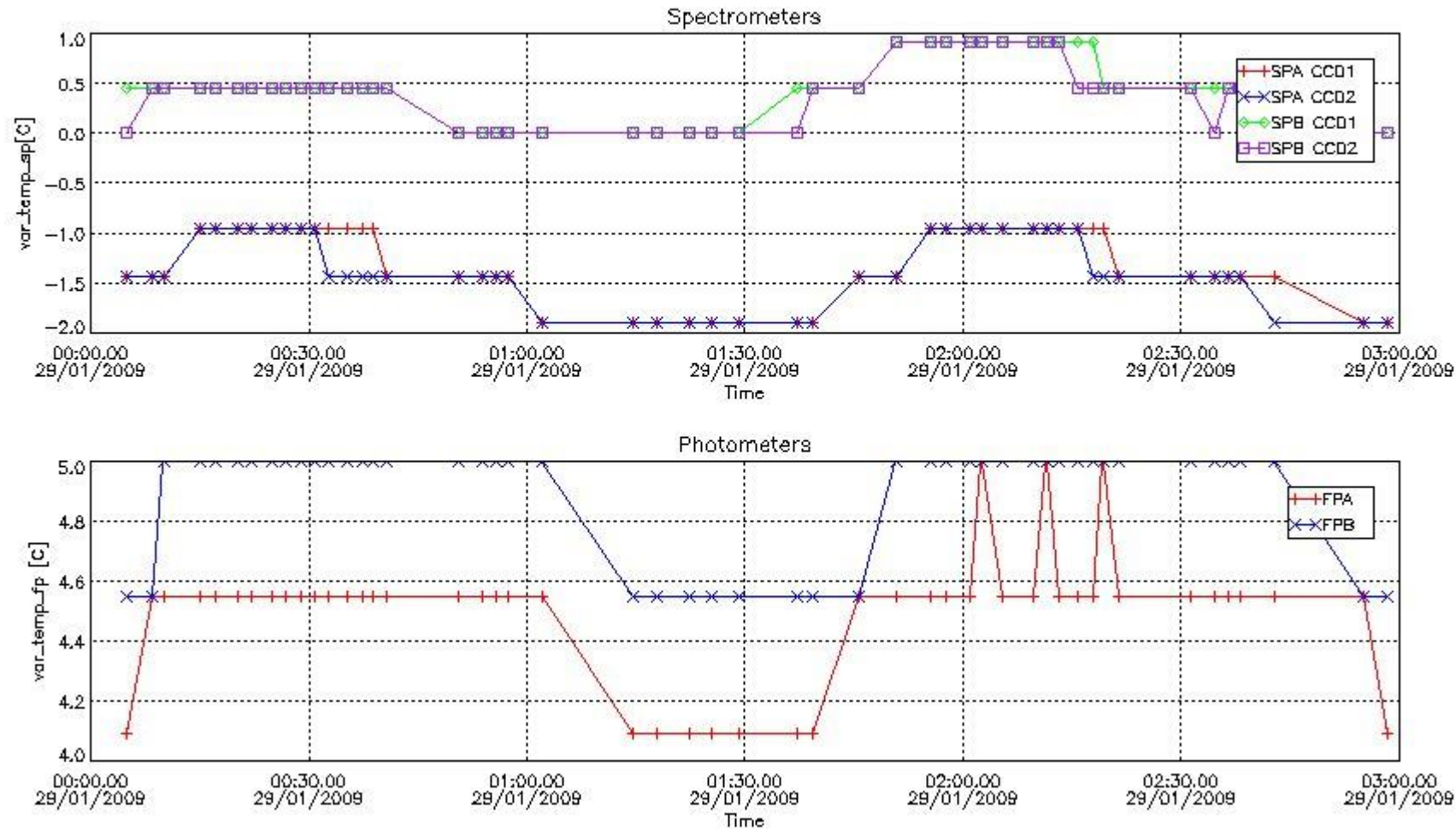
UTC start time	Star name	Star ID	Orbit
29-JAN-2009 00:42:36	24Omi2CMa	179	36157
29-JAN-2009 01:49:15	8Bet1Sco	97	36157
29-JAN-2009 02:07:23	DelCen	99	36158
29-JAN-2009 02:23:12	24Omi2CMa	179	36158
29-JAN-2009 03:48:00	DelCen	99	36159
29-JAN-2009 05:28:37	DelCen	99	36160
29-JAN-2009 05:40:35	PiPup	117	36160
29-JAN-2009 05:44:25	24Omi2CMa	179	36160
29-JAN-2009 07:09:13	DelCen	99	36161
29-JAN-2009 08:49:50	DelCen	99	36162
29-JAN-2009 10:46:13	24Omi2CMa	179	36163
29-JAN-2009 12:11:04	DelCen	99	36164
29-JAN-2009 12:26:49	24Omi2CMa	179	36164
29-JAN-2009 12:58:45	1AlpUMi	49	36164
29-JAN-2009 14:07:25	24Omi2CMa	179	36165

29-JAN-2009 15:48:01	24Omi2CMa	179	36166
29-JAN-2009 17:28:37	24Omi2CMa	179	36167

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_1PNPDE20090129_000503_000000432076_00030_36156_6297.N1	29-JAN-2009 00:05:03	Twilight	43.000	86	35Eta Oph	2.4300	10200.	86	36156	No
2	GOM_TRA_1PNPDE20090129_000835_000000482076_00030_36156_6298.N1	29-JAN-2009 00:08:35	Dark	48.000	97	8Bet1Sco	2.5610	30000.	96	36156	No
3	GOM_TRA_1PNPDE20090129_001012_000000422076_00030_36156_6299.N1	29-JAN-2009 00:10:12	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	36156	No
4	GOM_TRA_1PNPDE20090129_001456_000000422076_00030_36156_6300.N1	29-JAN-2009 00:14:56	Dark	42.000	131	Gam Lup	2.8000	26000.	84	36156	No
5	GOM_TRA_1PNPDE20090129_001706_000000422076_00030_36156_6301.N1	29-JAN-2009 00:17:06	Dark	42.000	109	Bet Lup	2.6770	26000.	84	36156	No
6	GOM_TRA_1PNPDE20090129_002017_000000542076_00031_36157_6302.N1	29-JAN-2009 00:20:17	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	36157	No
7	GOM_TRA_1PNPDE20090129_002204_000000432076_00031_36157_6303.N1	29-JAN-2009 00:22:04	Dark	42.500	77	Eps Cen	2.3030	28000.	85	36157	No
8	GOM_TRA_1PNPDE20090129_002452_000000362076_00031_36157_6304.N1	29-JAN-2009 00:24:52	Dark	35.500	12	Alp1Cru	0.77500	30000.	71	36157	No
9	GOM_TRA_1PNPDE20090129_002643_000000442076_00031_36157_6305.N1	29-JAN-2009 00:26:43	Dark	44.000	99	Del Cen	2.5750	26000.	88	36157	No
10	GOM_TRA_1PNPDE20090129_002859_000000432076_00031_36157_6306.N1	29-JAN-2009 00:28:59	Dark	42.500	159	Ups Car	2.9200	7200.0	85	36157	No
11	GOM_TRA_1PNPDE20090129_003054_000000442076_00031_36157_6307.N1	29-JAN-2009 00:30:54	Dark	43.500	71	lot Car	2.2460	7700.0	87	36157	No
12	GOM_TRA_1PNPDE20090129_003240_000000442076_00031_36157_6308.N1	29-JAN-2009 00:32:40	Dark	43.500	46	Del Vel	1.9540	10600.	87	36157	No
13	GOM_TRA_1PNPDE20090129_003513_000000402076_00031_36157_6309.N1	29-JAN-2009 00:35:13	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	36157	No
14	GOM_TRA_1PNPDE20090129_003719_000000422076_00031_36157_6310.N1	29-JAN-2009 00:37:19	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	36157	No
15	GOM_TRA_1PNPDE20090129_003844_000000452076_00031_36157_6311.N1	29-JAN-2009 00:38:44	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	36157	No
16	GOM_TRA_1PNPDE20090129_004048_000000412076_00031_36157_6312.N1	29-JAN-2009 00:40:48	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	36157	No
17	GOM_TRA_1PNPDE20090129_005036_000000492076_00031_36157_6313.N1	29-JAN-2009 00:50:36	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	36157	No
18	GOM_TRA_1PNPDE20090129_005357_000000392076_00031_36157_6314.N1	29-JAN-2009 00:53:57	Bright	39.000	44	24Gam Gem	1.9280	11000.	78	36157	No
19	GOM_TRA_1PNPDE20090129_005546_000000392076_00031_36157_6315.N1	29-JAN-2009 00:55:46	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	36157	No
20	GOM_TRA_1PNPDE20090129_005724_000000432076_00031_36157_6316.N1	29-JAN-2009 00:57:24	Bright	42.500	17	78Bet Gem	1.1610	4500.0	85	36157	No
21	GOM_TRA_1PNPDE20090129_010209_000000372076_00031_36157_6317.N1	29-JAN-2009 01:02:09	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	36157	No
22	GOM_TRA_1PNPDE20090129_011431_000000352076_00031_36157_6318.N1	29-JAN-2009 01:14:31	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	36157	No
23	GOM_TRA_1PNPDE20090129_011746_000000442076_00031_36157_6319.N1	29-JAN-2009 01:17:46	Bright	43.500	60	7Bet UMi	2.0810	3950.0	87	36157	No
24	GOM_TRA_1PNPDE20090129_012227_000000382076_00031_36157_6320.N1	29-JAN-2009 01:22:27	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	36157	No
25	GOM_TRA_1PNPDE20090129_012530_000000372076_00031_36157_6321.N1	29-JAN-2009 01:25:30	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	36157	No
26	GOM_TRA_1PNPDE20090129_012903_000000372076_00031_36157_6322.N1	29-JAN-2009 01:29:03	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	36157	No
27	GOM_TRA_1PNPDE20090129_013710_000000352076_00031_36157_6323.N1	29-JAN-2009 01:37:10	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	36157	No
28	GOM_TRA_1PNPDE20090129_013917_000000342076_00031_36157_6324.N1	29-JAN-2009 01:39:17	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	36157	No
29	GOM_TRA_1PNPDE20090129_014539_000000442076_00031_36157_6453.N1	29-JAN-2009 01:45:39	Twilight	44.000	86	35Eta Oph	2.4300	10200.	88	36157	No
30	GOM_TRA_1PNPDE20090129_015048_000000422076_00031_36157_6454.N1	29-JAN-2009 01:50:48	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	36157	No
31	GOM_TRA_1PNPDE20090129_015533_000000422076_00031_36157_6455.N1	29-JAN-2009 01:55:33	Dark	42.000	131	Gam Lup	2.8000	26000.	84	36157	No
32	GOM_TRA_1PNPDE20090129_015742_000000422076_00031_36157_6456.N1	29-JAN-2009 01:57:42	Dark	42.000	109	Bet Lup	2.6770	26000.	84	36157	No
33	GOM_TRA_1PNPDE20090129_020053_000000422076_00032_36158_6457.N1	29-JAN-2009 02:00:53	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	36158	No
34	GOM_TRA_1PNPDE20090129_020240_000000432076_00032_36158_6458.N1	29-JAN-2009 02:02:40	Dark	43.000	77	Eps Cen	2.3030	28000.	86	36158	No
35	GOM_TRA_1PNPDE20090129_020529_000000412076_00032_36158_6459.N1	29-JAN-2009 02:05:29	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	36158	No
36	GOM_TRA_1PNPDE20090129_020937_000000362076_00032_36158_6460.N1	29-JAN-2009 02:09:37	Dark	36.000	159	Ups Car	2.9200	7200.0	72	36158	No
37	GOM_TRA_1PNPDE20090129_021130_000000432076_00032_36158_6461.N1	29-JAN-2009 02:11:30	Dark	43.000	71	lot Car	2.2460	7700.0	86	36158	No
38	GOM_TRA_1PNPDE20090129_021316_000000422076_00032_36158_6462.N1	29-JAN-2009 02:13:16	Dark	41.500	46	Del Vel	1.9540	10600.	83	36158	No
39	GOM_TRA_1PNPDE20090129_021549_000000412076_00032_36158_6463.N1	29-JAN-2009 02:15:49	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	36158	No
40	GOM_TRA_1PNPDE20090129_021755_000000422076_00032_36158_6464.N1	29-JAN-2009 02:17:55	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	36158	No
41	GOM_TRA_1PNPDE20090129_021920_000000442076_00032_36158_6465.N1	29-JAN-2009 02:19:20	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	36158	No
42	GOM_TRA_1PNPDE20090129_022124_000000412076_00032_36158_6466.N1	29-JAN-2009 02:21:24	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	36158	No
43	GOM_TRA_1PNPDE20090129_023112_000000482076_00032_36158_6467.N1	29-JAN-2009 02:31:12	Twilight	47.500	8	10Alp CMi	0.40000	6500.0	95	36158	No
44	GOM_TRA_1PNPDE20090129_023433_000000402076_00032_36158_6468.N1	29-JAN-2009 02:34:33	Bright	39.500	44	24Gam Gem	1.9280	11000.	79	36158	No
45	GOM_TRA_1PNPDE20090129_023622_000000402076_00032_36158_6469.N1	29-JAN-2009 02:36:22	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	36158	No
46	GOM_TRA_1PNPDE20090129_023800_000000432076_00032_36158_6470.N1	29-JAN-2009 02:38:00	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	36158	No
47	GOM_TRA_1PNPDE20090129_024245_000000392076_00032_36158_6471.N1	29-JAN-2009 02:42:45	Bright	39.000	42	34Bet Aur	1.9000	10200.	78	36158	No
48	GOM_TRA_1PNPDE20090129_025506_000000332076_00032_36158_6472.N1	29-JAN-2009 02:55:06	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	36158	No
49	GOM_TRA_1PNPDE20090129_025822_000000472076_00032_36158_6625.N1	29-JAN-2009 02:58:22	Bright	47.000	60	7Bet UMi	2.0810	3950.0	94	36158	No

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



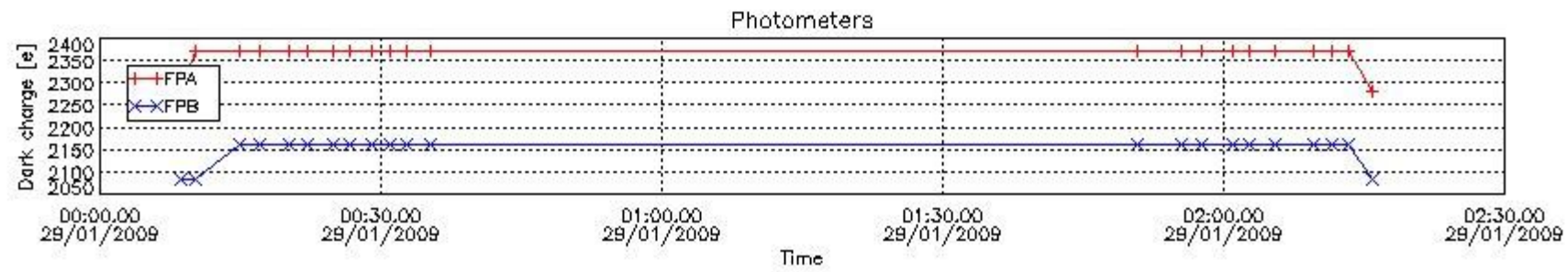
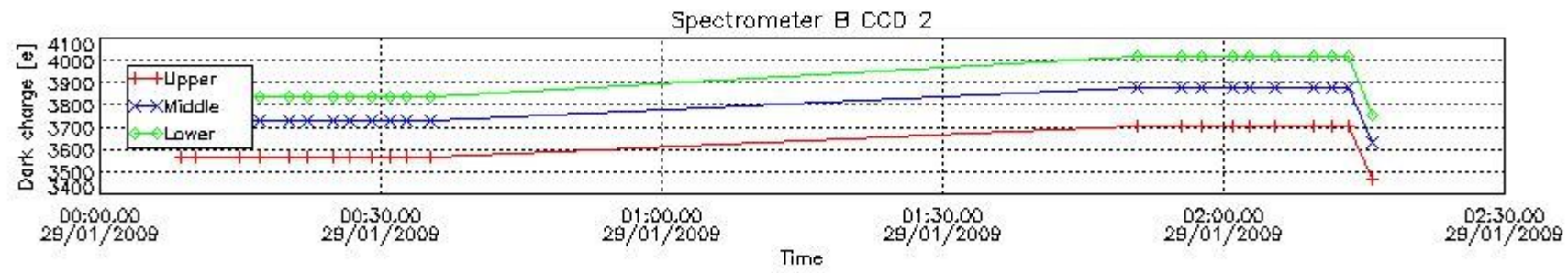
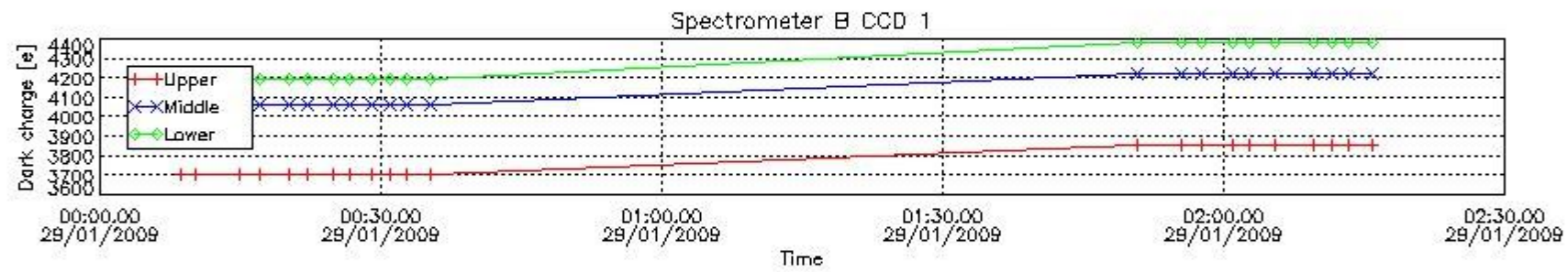
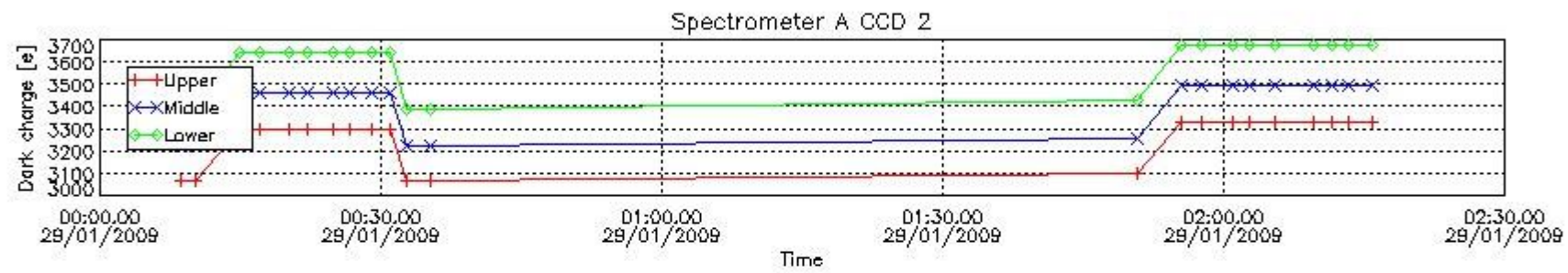
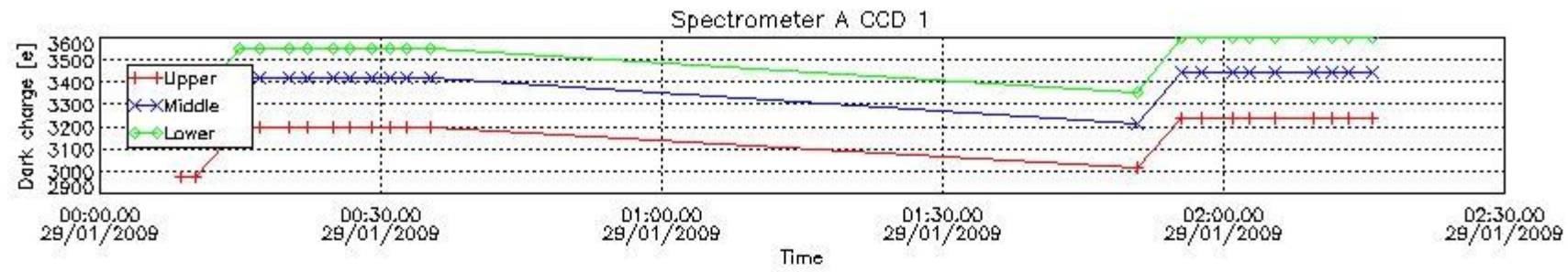
4. Overview of dark signal processing per product

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



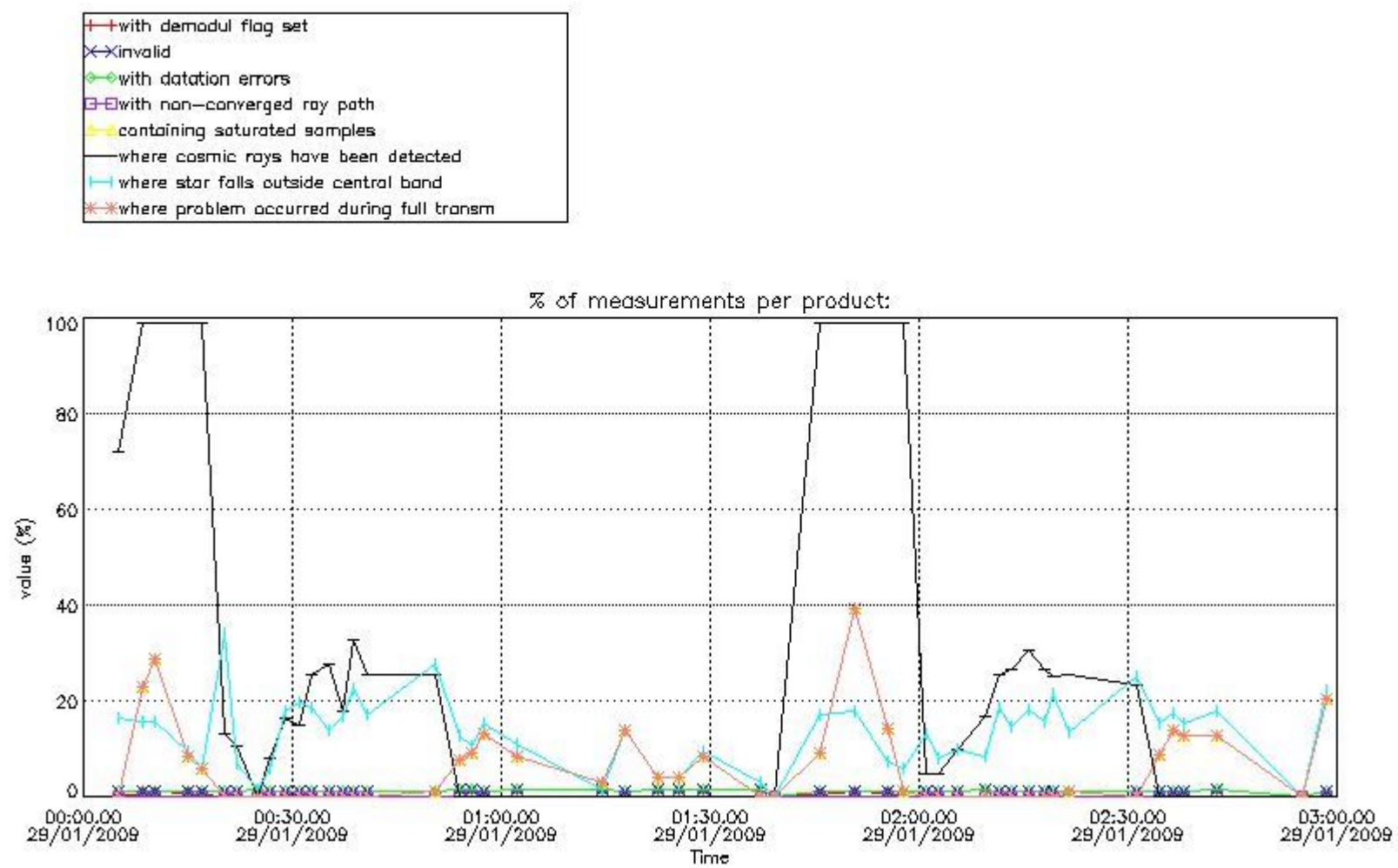
5. Demodulation flag and quality information monitoring

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.

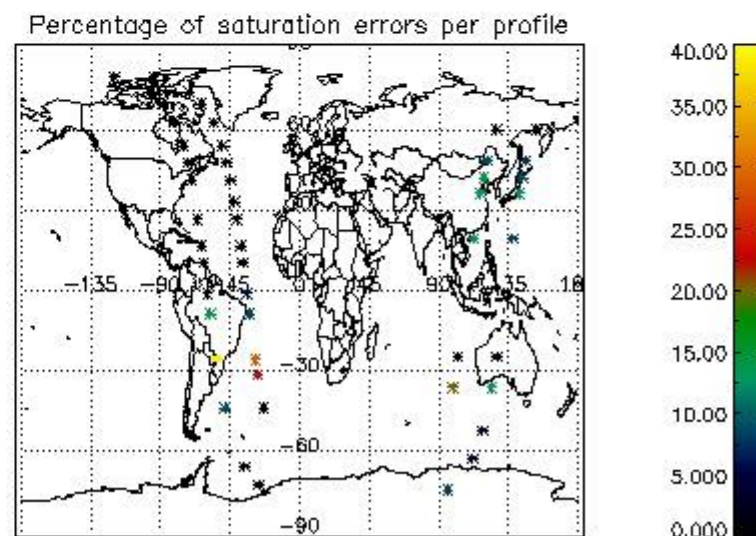
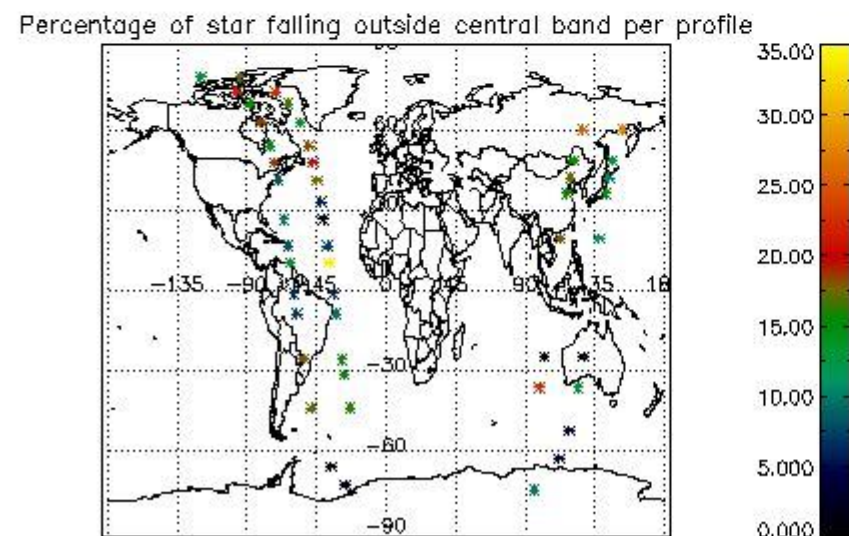
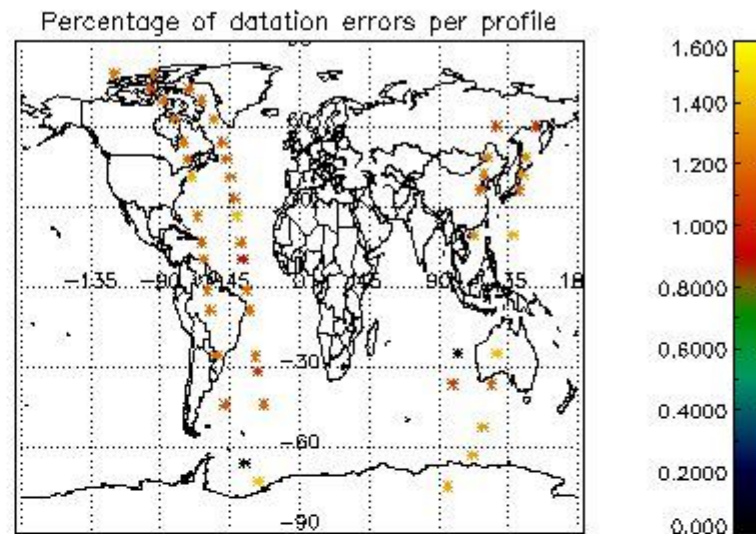
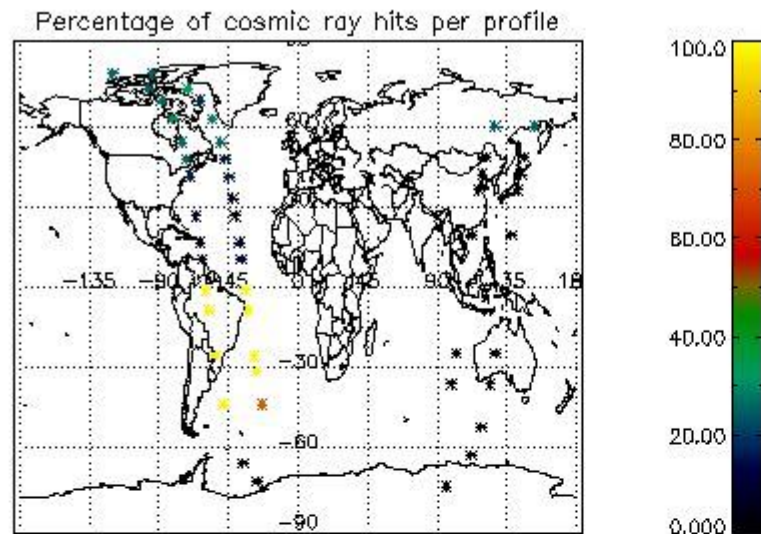
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	38.7755 %
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)



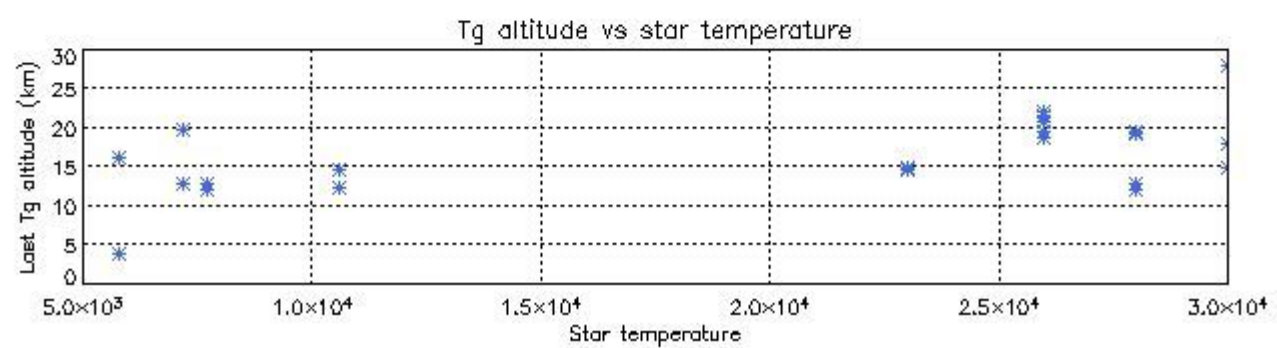
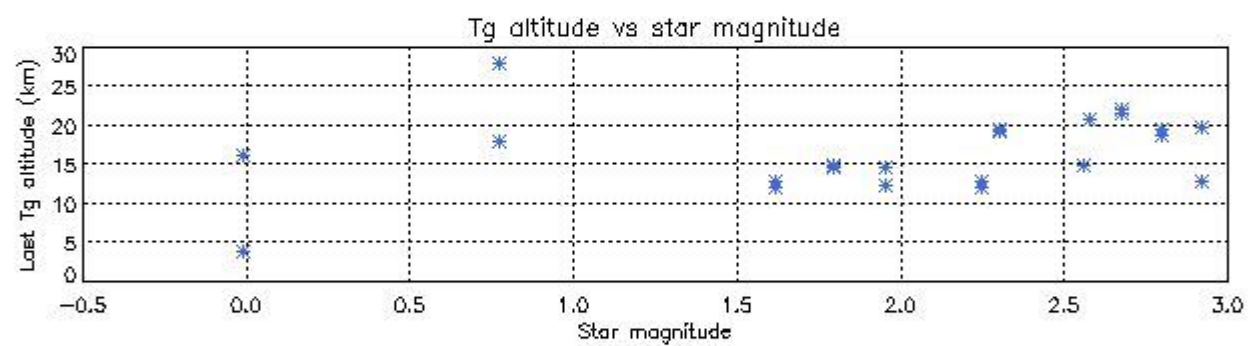
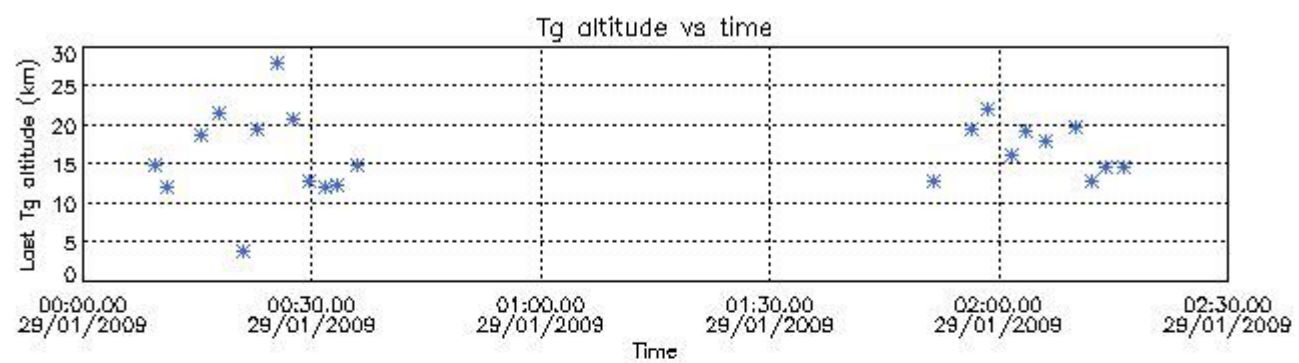
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.395	18.434	NaN
St. deviation:	4.9825	5.2361	NaN
Maximum:	27.961	29.312	NaN
Minimum:	3.7223	10.722	NaN
Number of data:	22.000	17.000	NaN

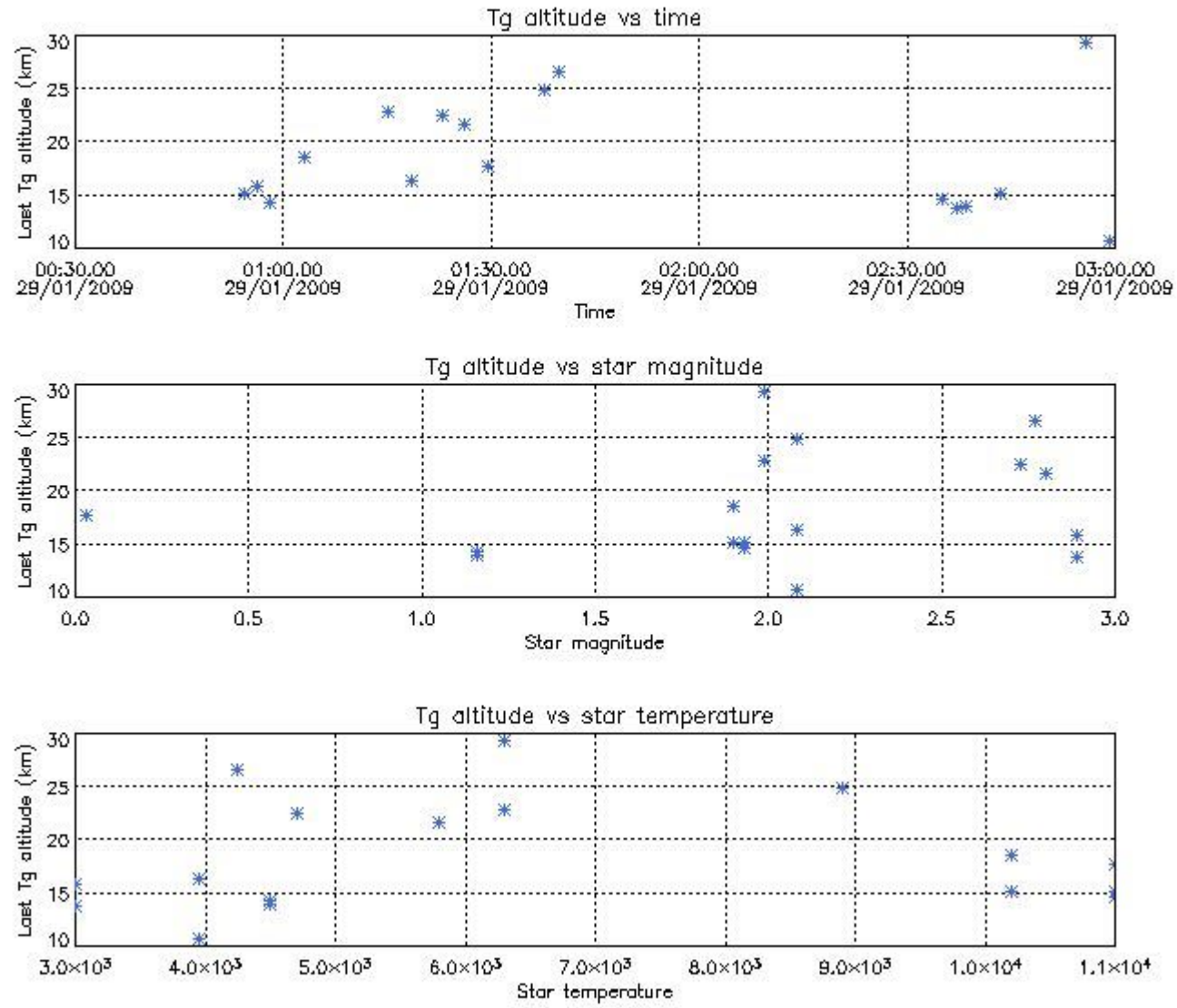
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

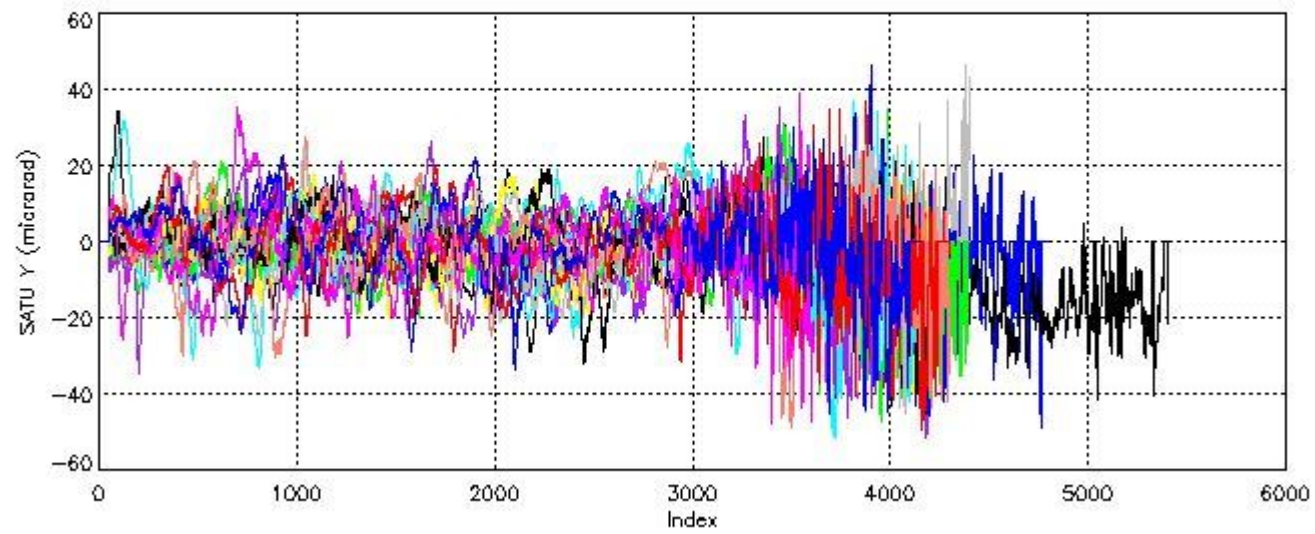
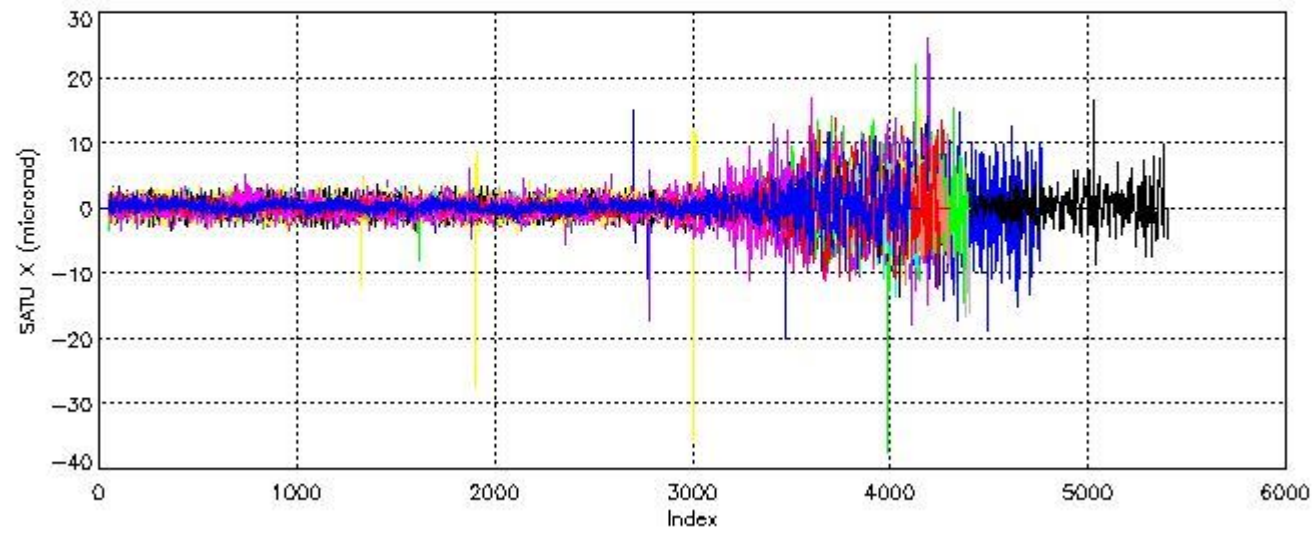


7. Star Acquisition and Tracking Unit (SATU)

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:	0.12824	0.21091	0.11219	0.54752
St. deviation:	0.71196	7.0475	0.57965	7.8136
Maximum:	5.1000	35.300	3.1000	22.500
Minimum:	-3.7000	-34.500	-2.8000	-33.100

Number of data:	20550.	20550.	14450.	14450.
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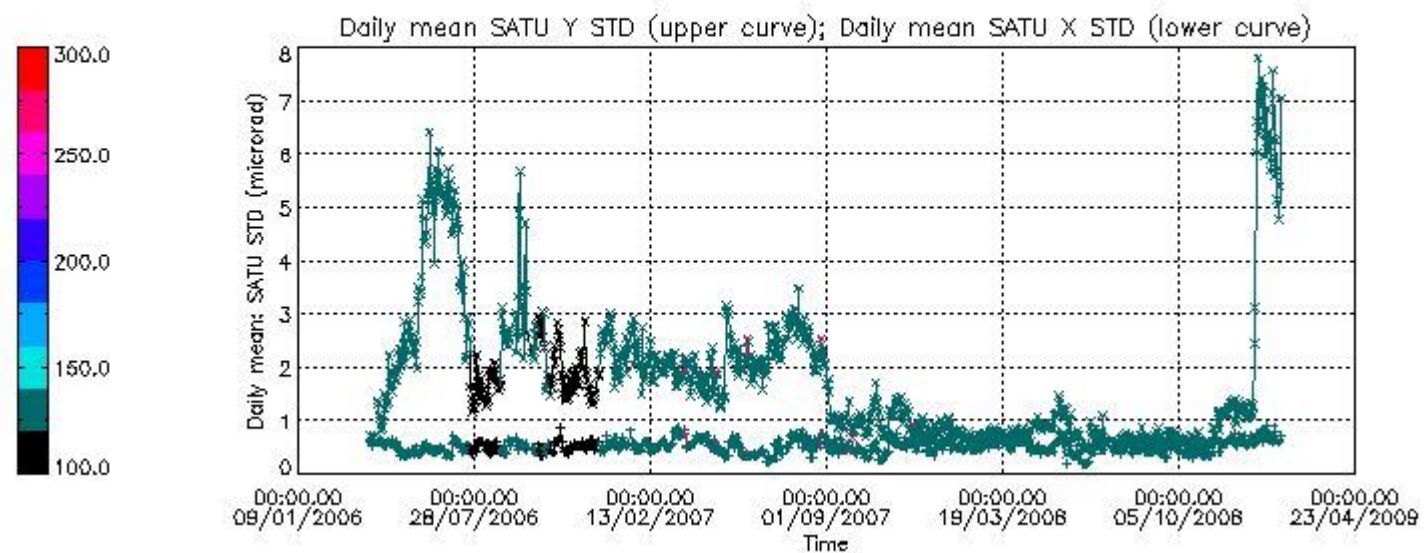
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

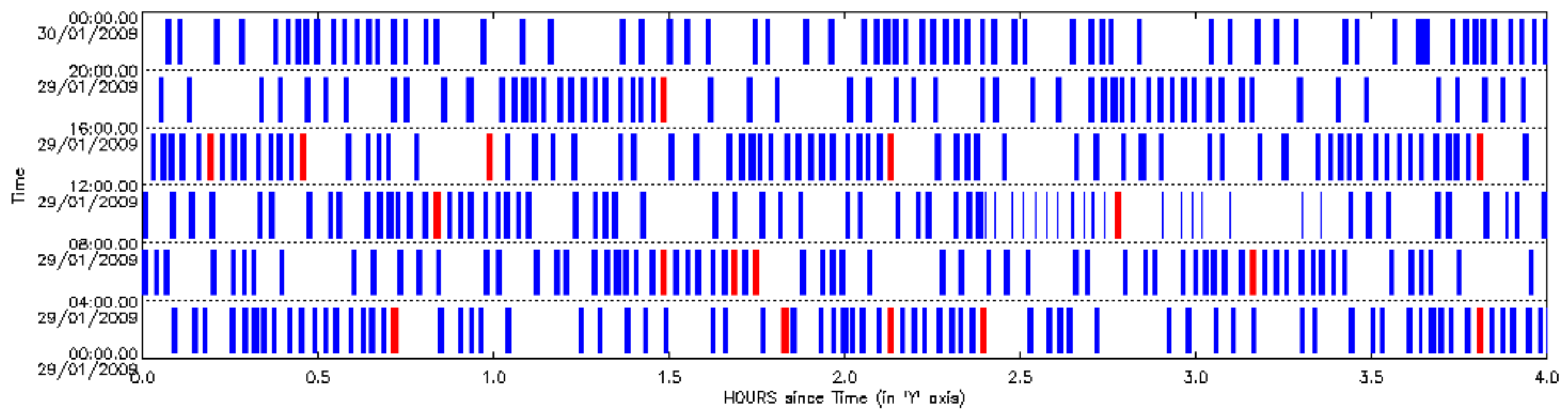
Lower curve: STD of SATU X axis

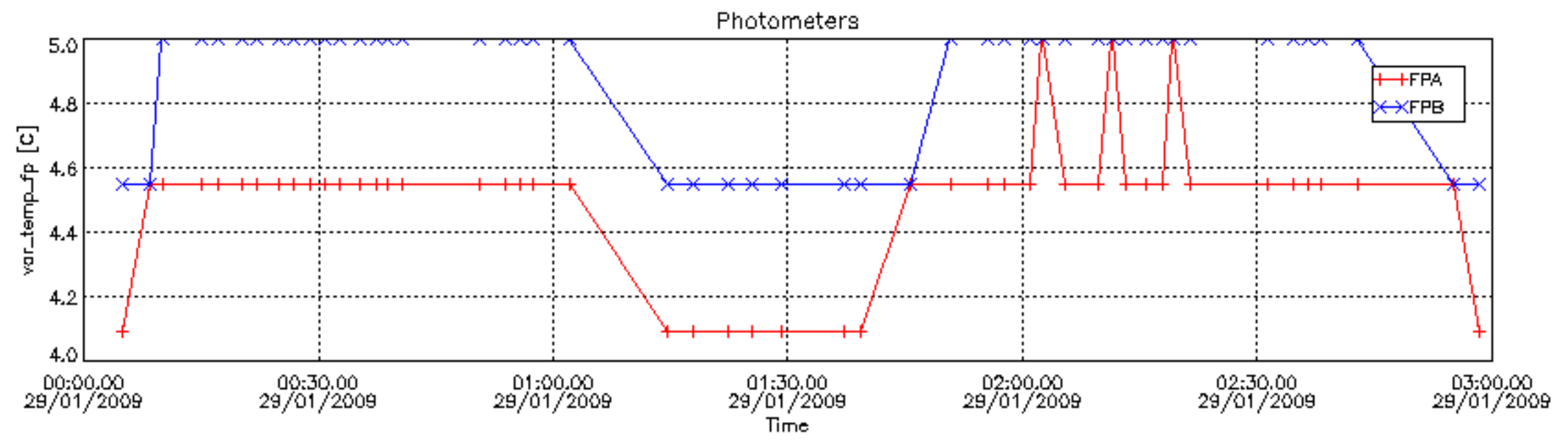
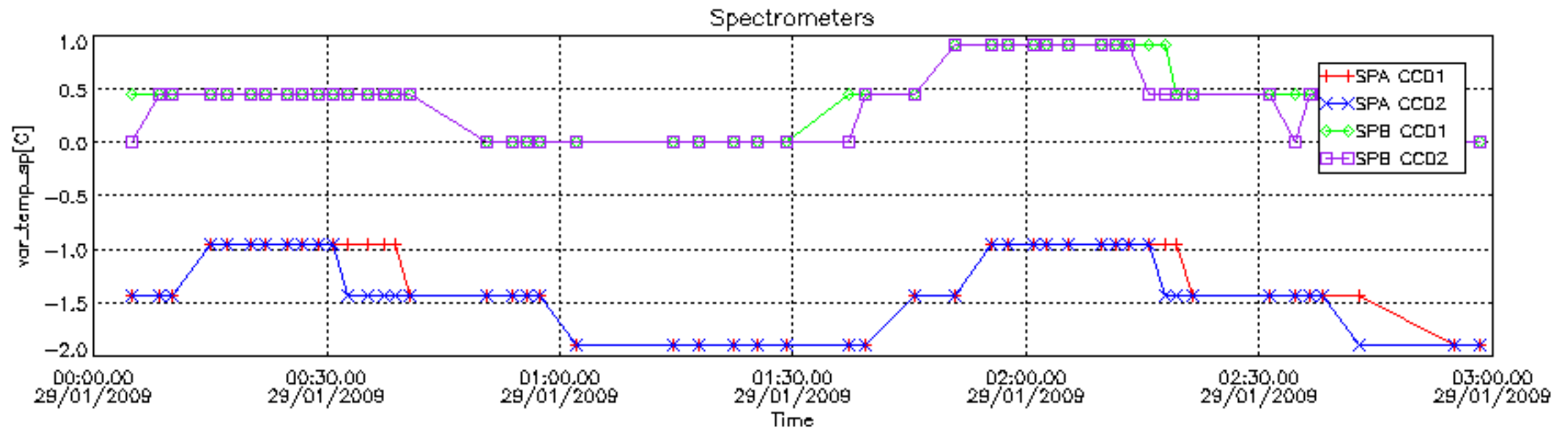


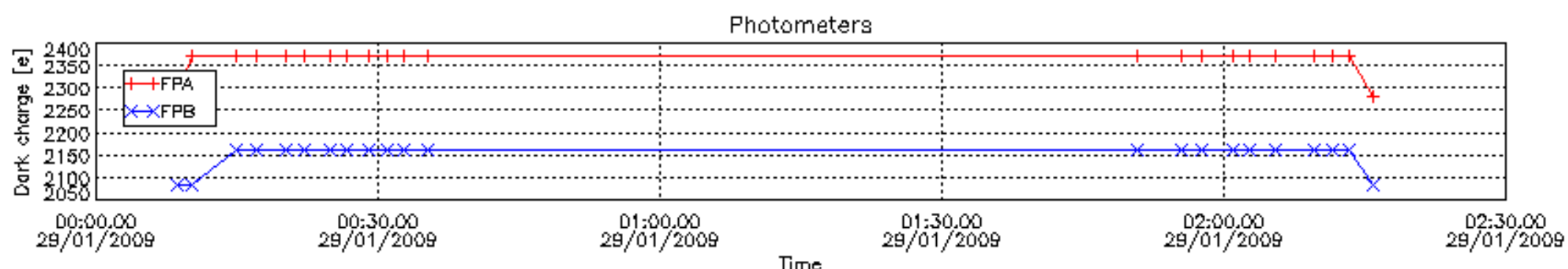
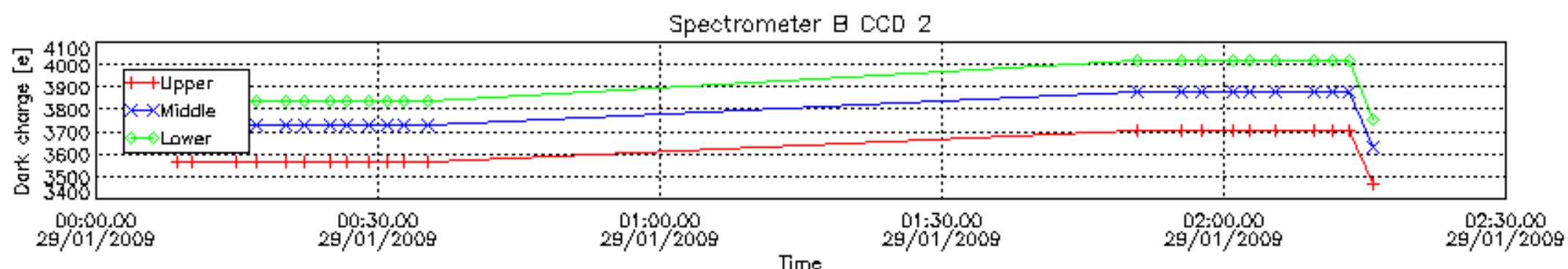
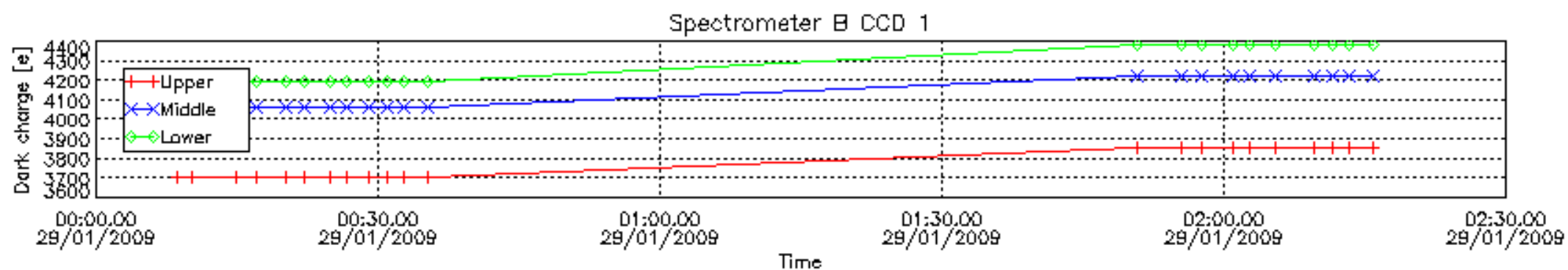
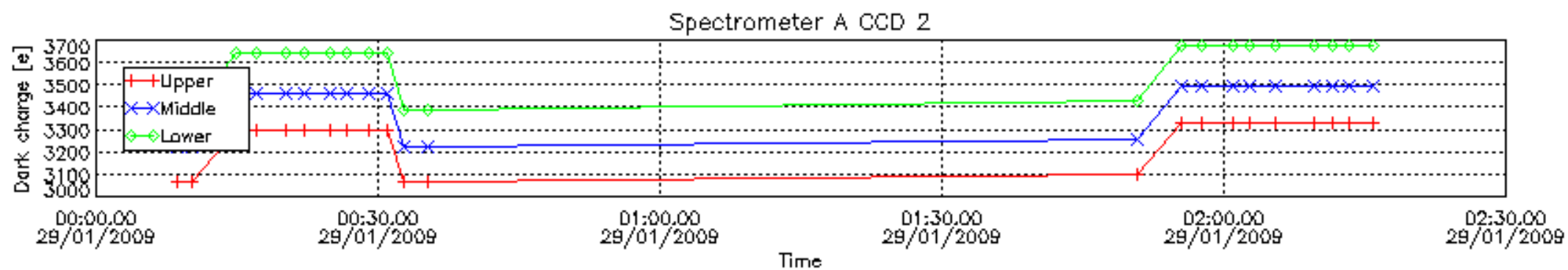
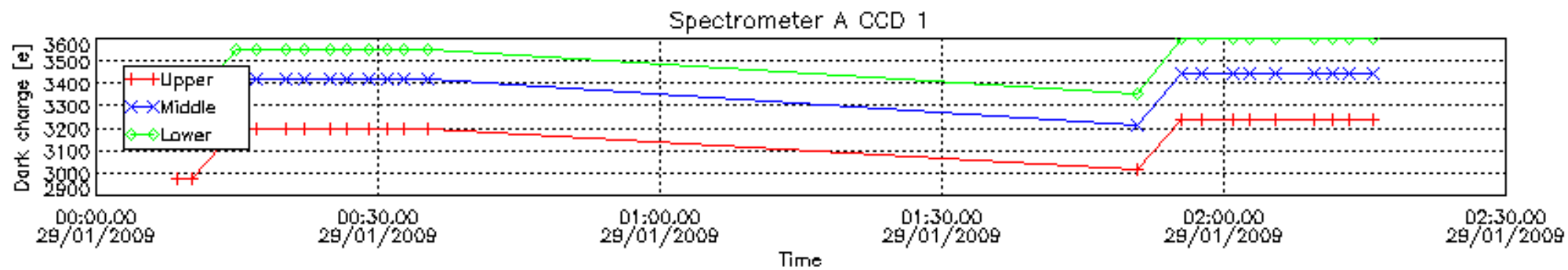
8. Auxiliary Data Files used for the production reported in section 2.4

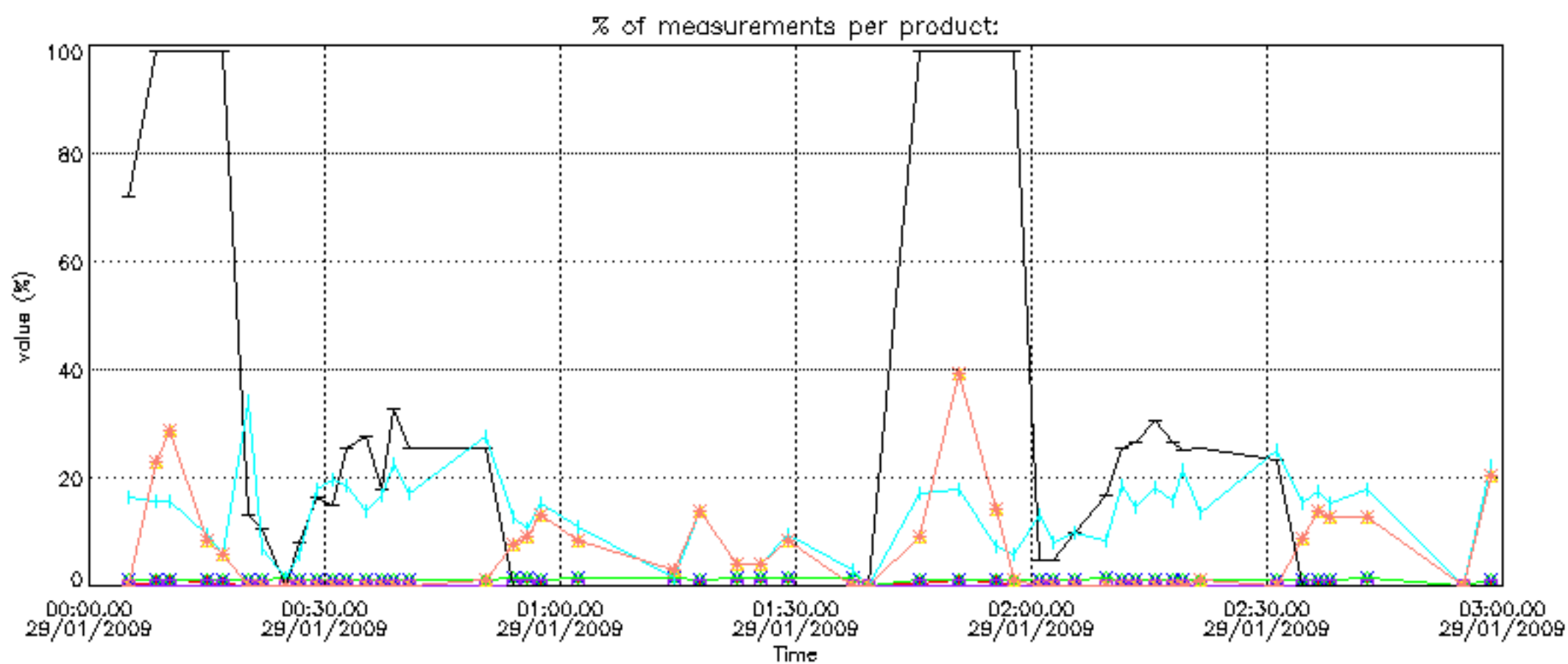
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	29-JAN-2009 00:05:03
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090123_085712_20090120_000000_20100101_000000	1	29-JAN-2009 00:05:03
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	29-JAN-2009 00:05:03
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-JAN-2009 00:05:03
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	29-JAN-2009 00:05:03
ECMWF_FILE	AUX_ECF_AXNECM20090128_064110_20090128_210000_20090129_090000	1	29-JAN-2009 00:05:03
OPTIONAL_ECMWF_FILE	MISSING	1	29-JAN-2009 00:05:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090128_222031_000057382076_00029_36155_7254.N1	1	29-JAN-2009 00:05:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090129_000128_000057382076_00030_36156_7255.N1	29	29-JAN-2009 01:45:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090129_014225_000038252076_00031_36157_7256.N1	49	29-JAN-2009 02:58:22

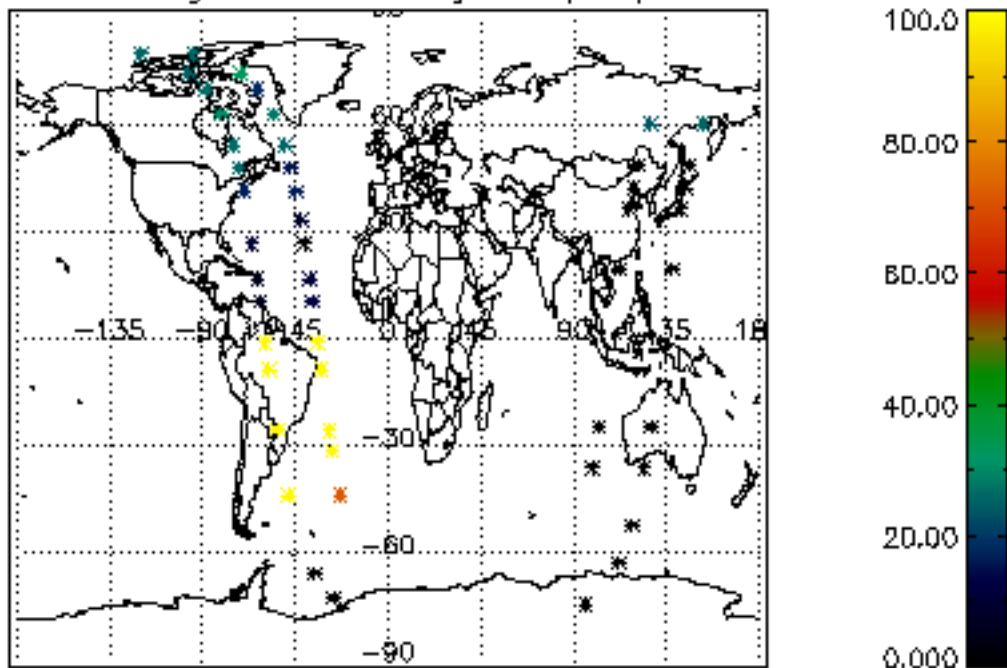




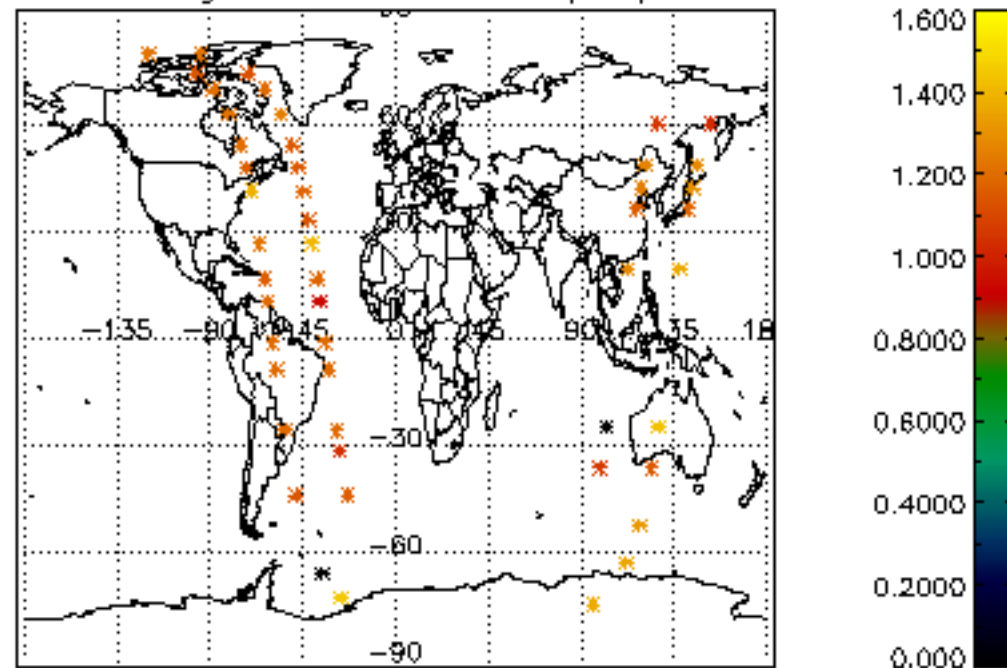




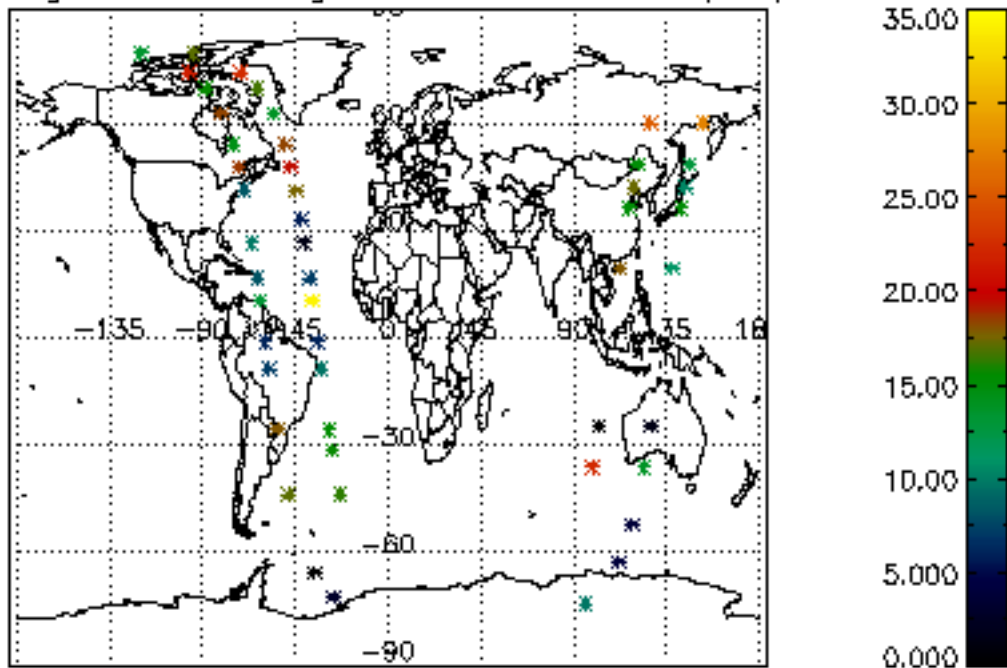
Percentage of cosmic ray hits per profile



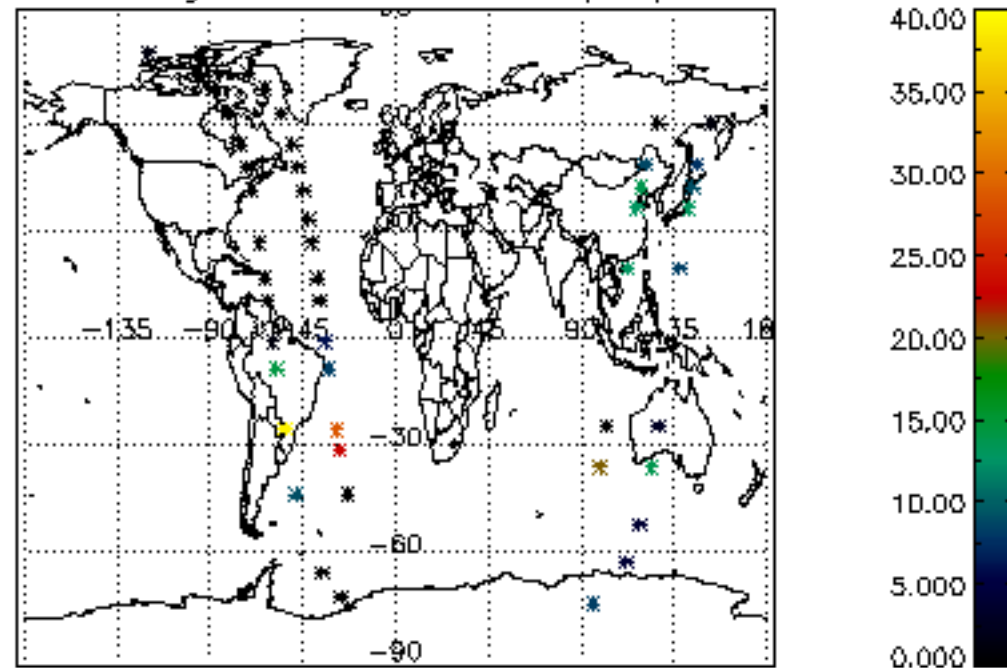
Percentage of datation errors per profile



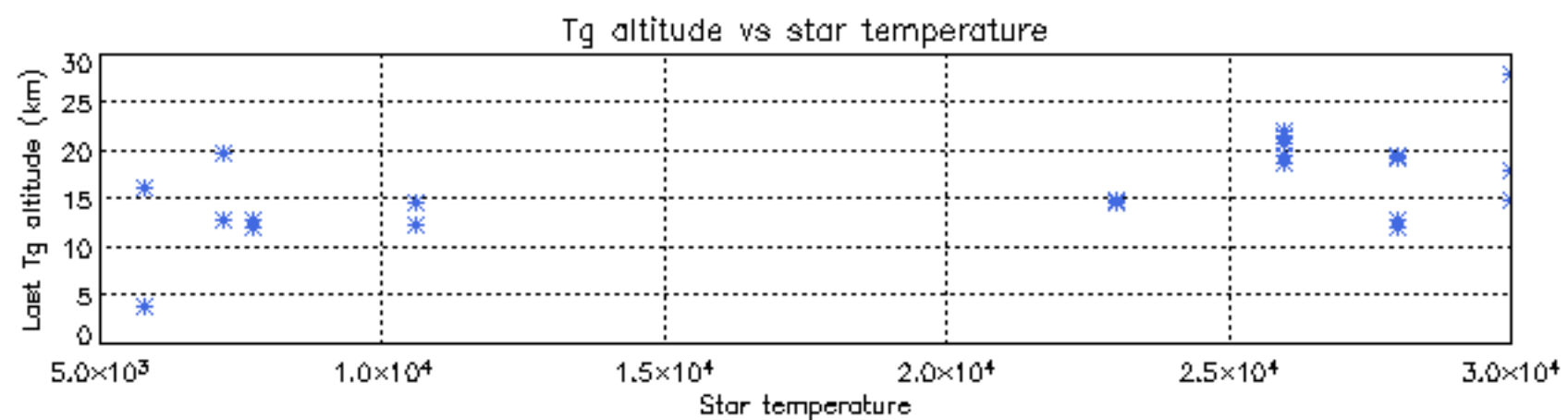
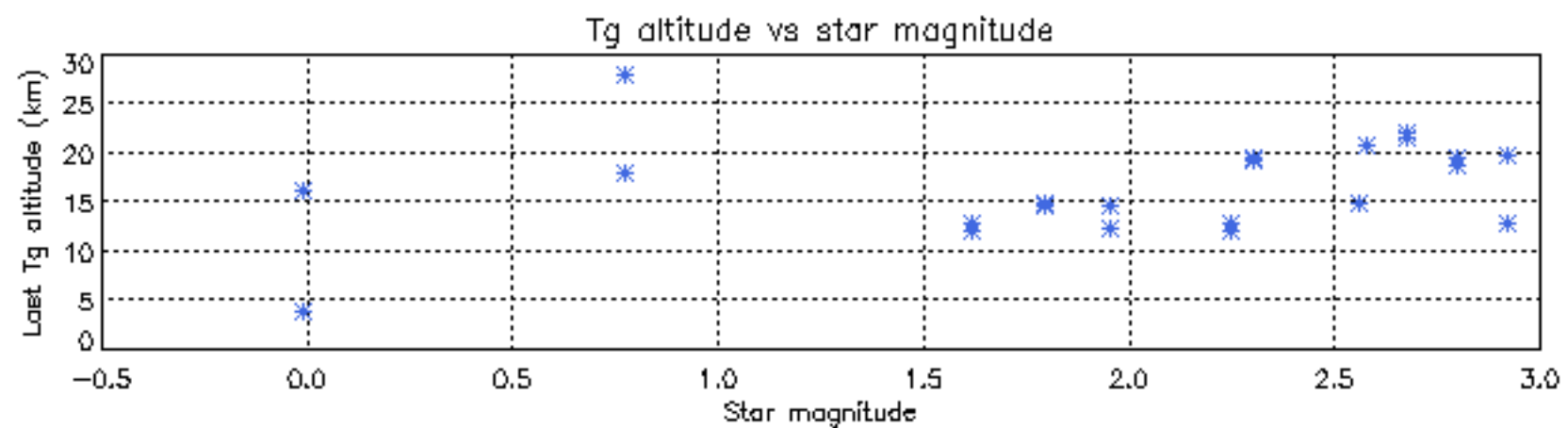
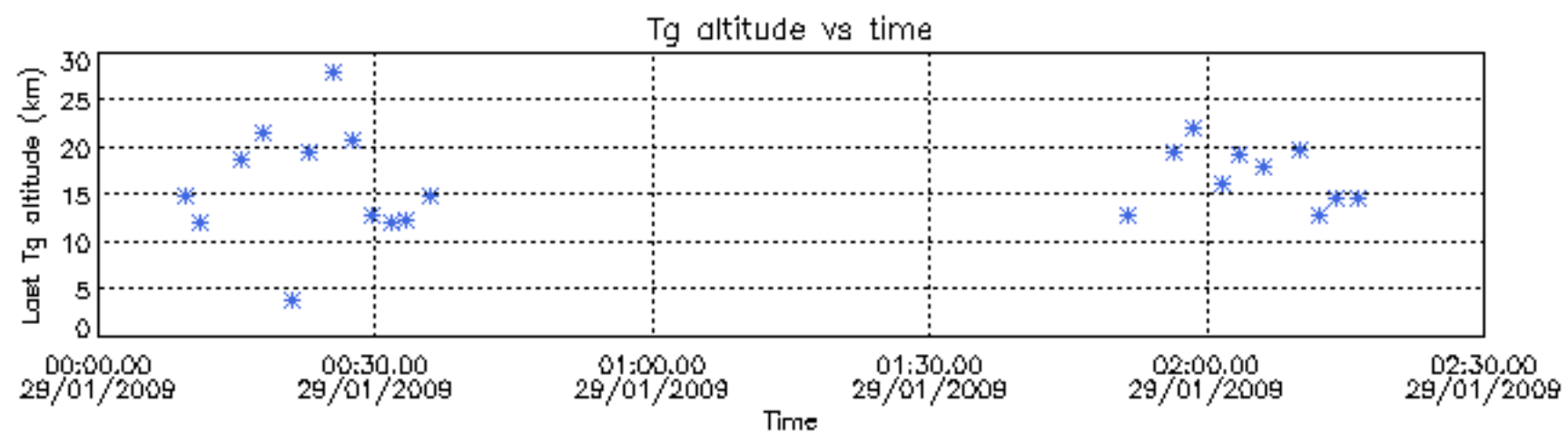
Percentage of star falling outside central band per profile



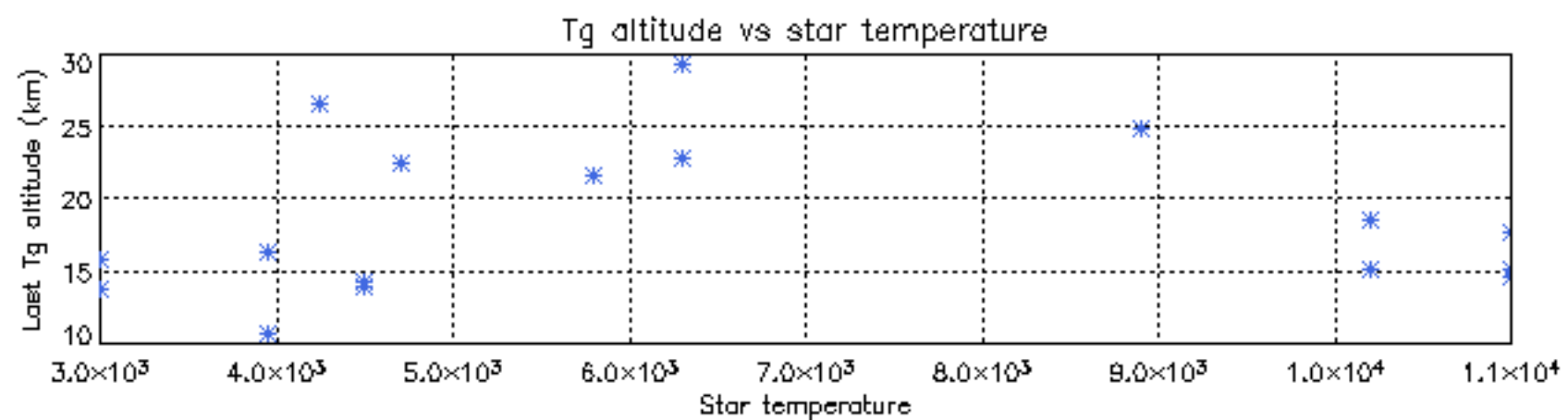
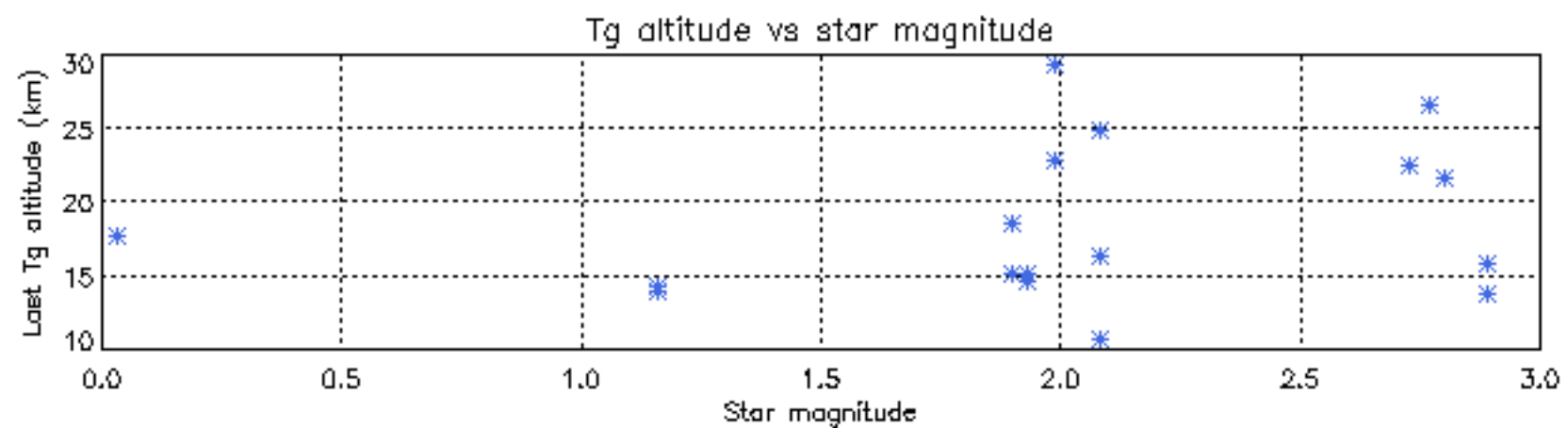
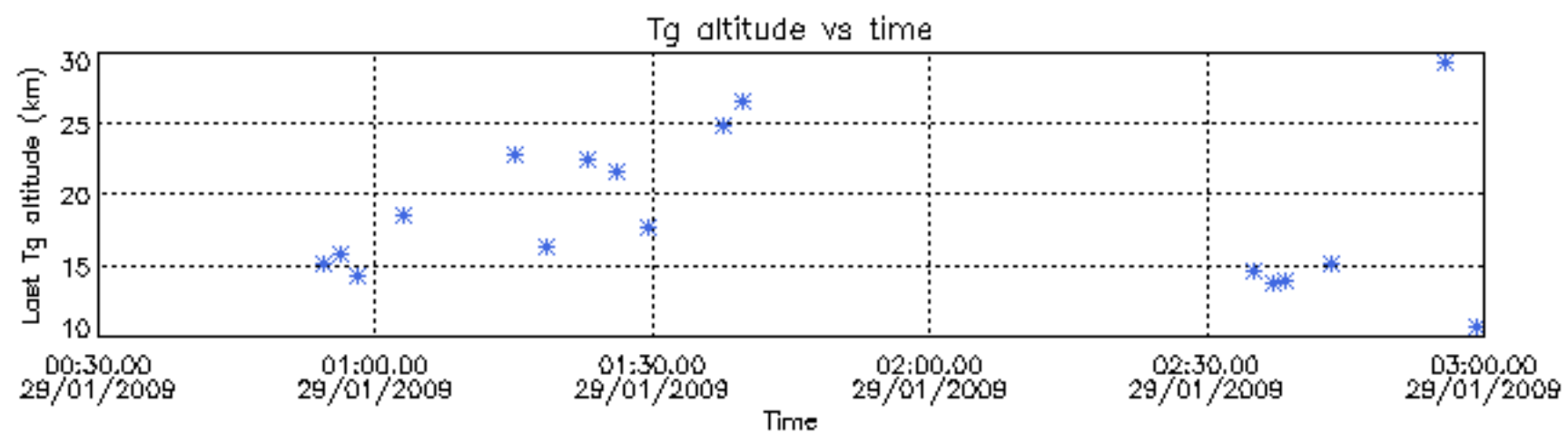
Percentage of saturation errors per profile

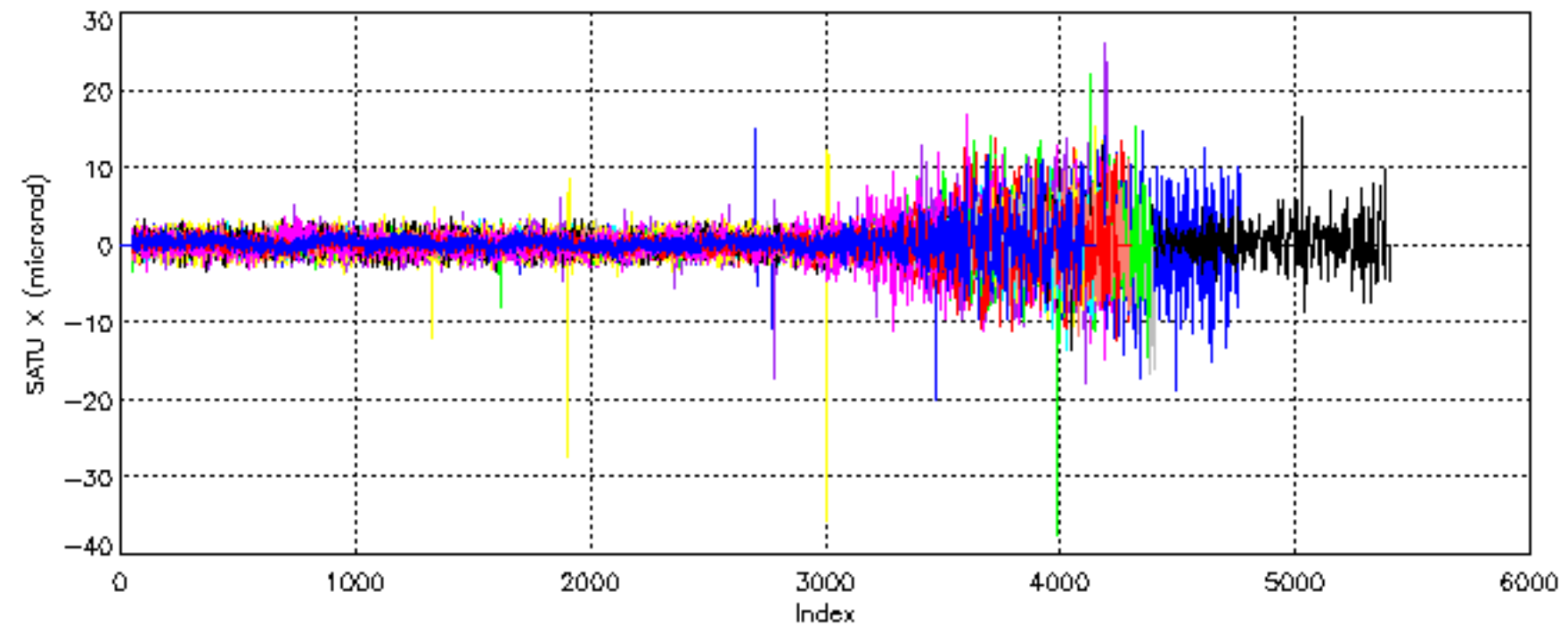


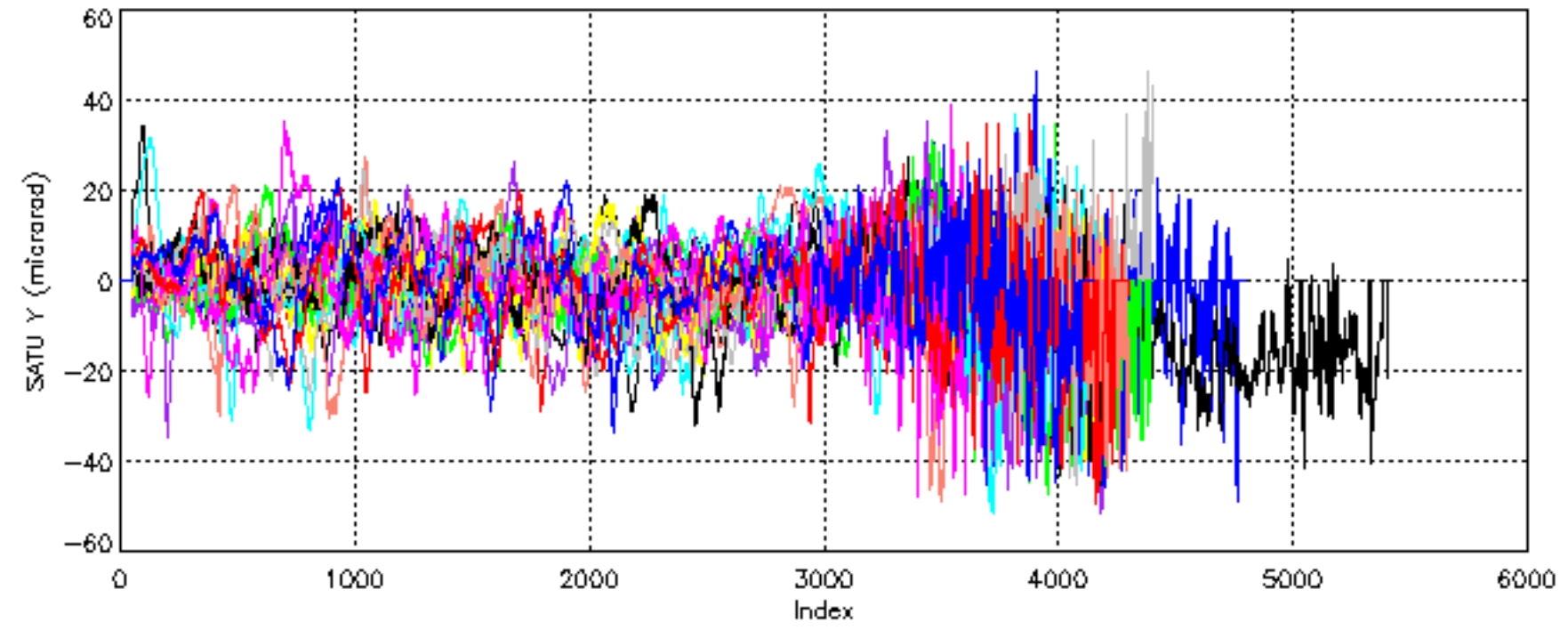
Tangent altitude at which the star is lost

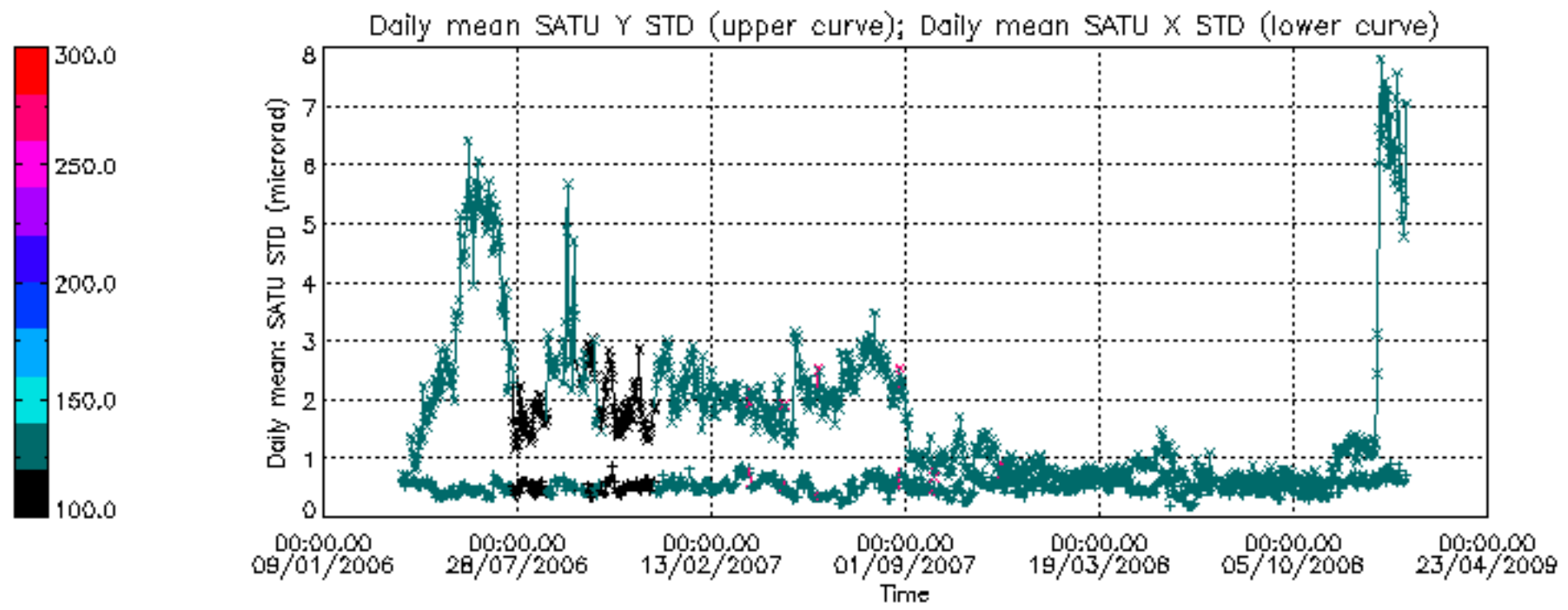


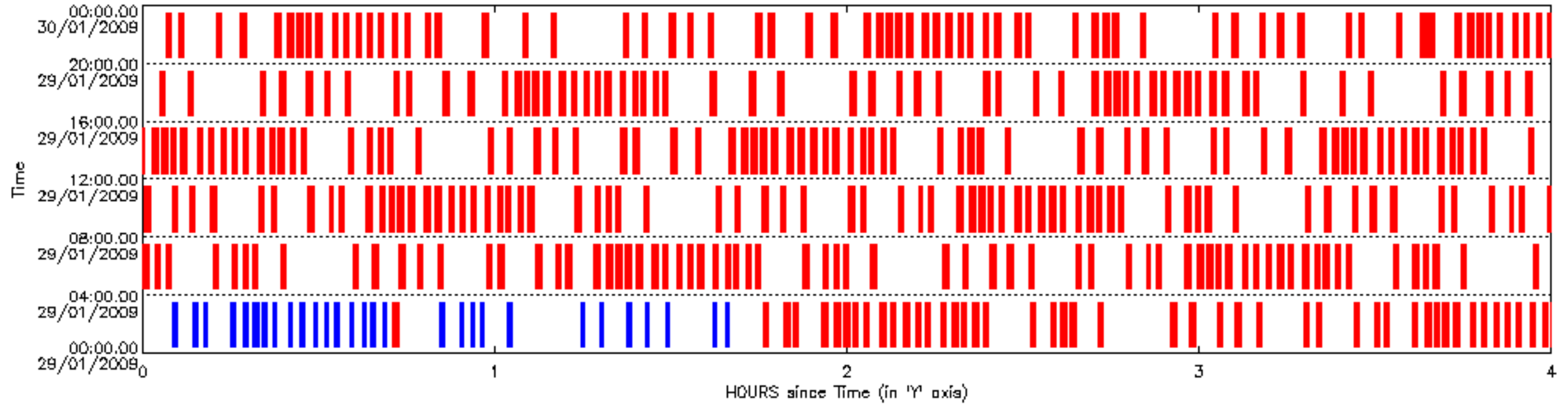
Tangent altitude at which the star is lost

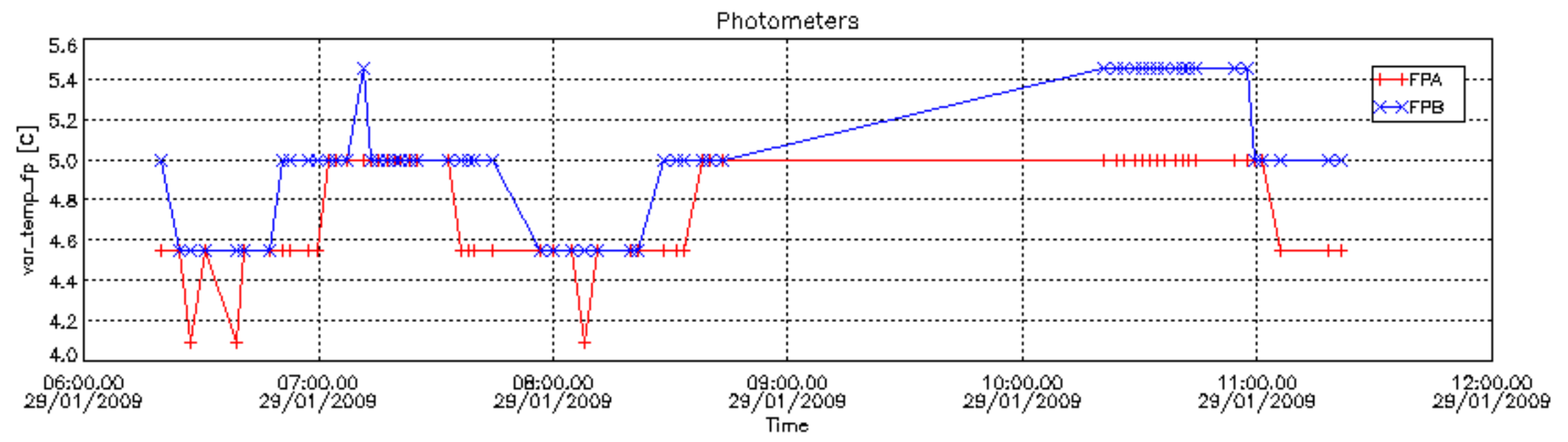
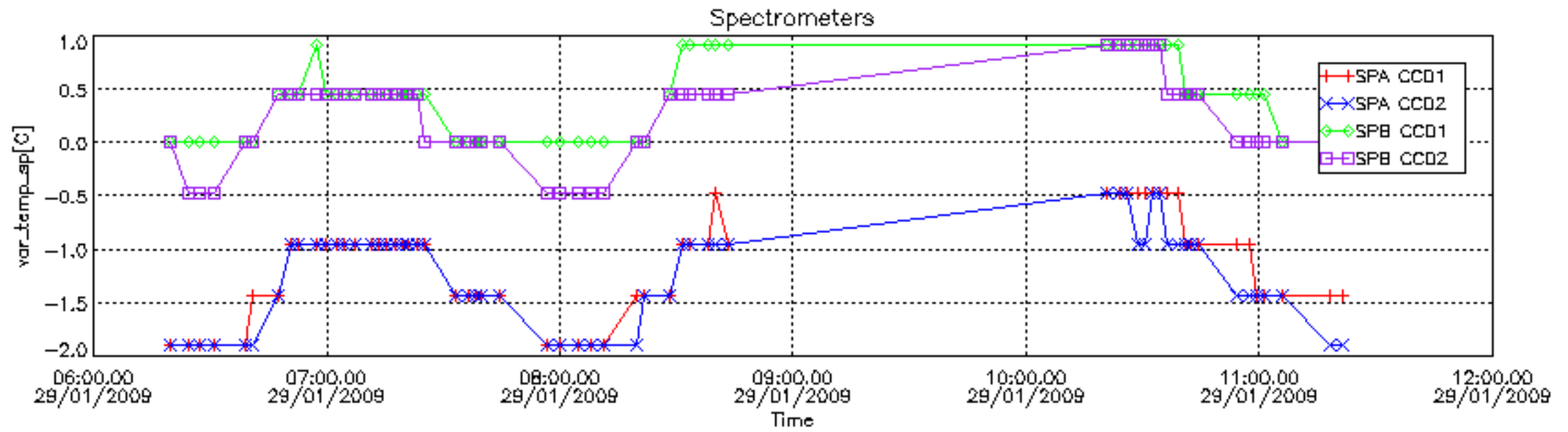


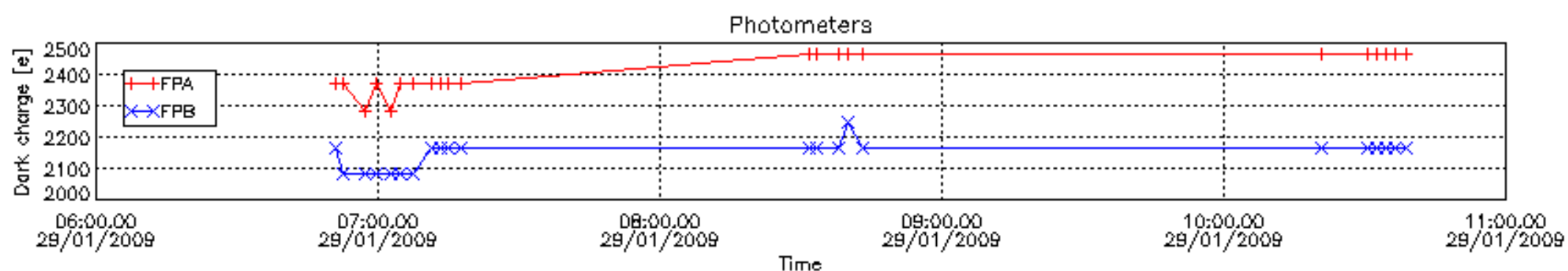
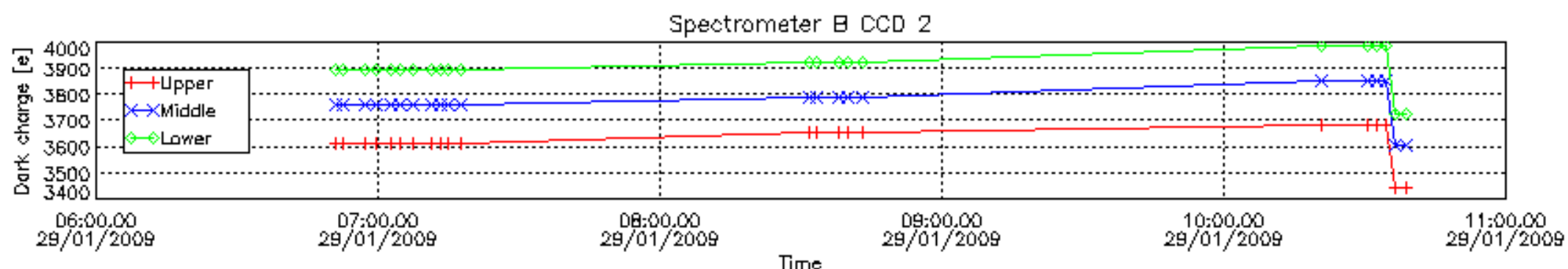
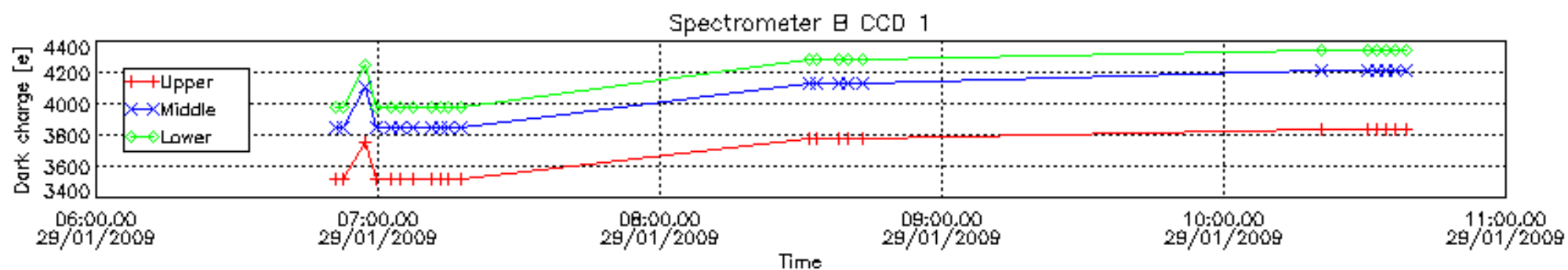
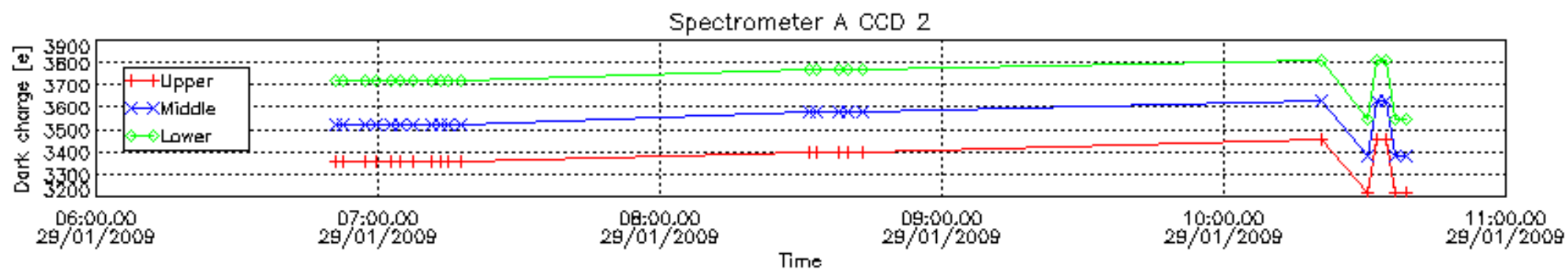
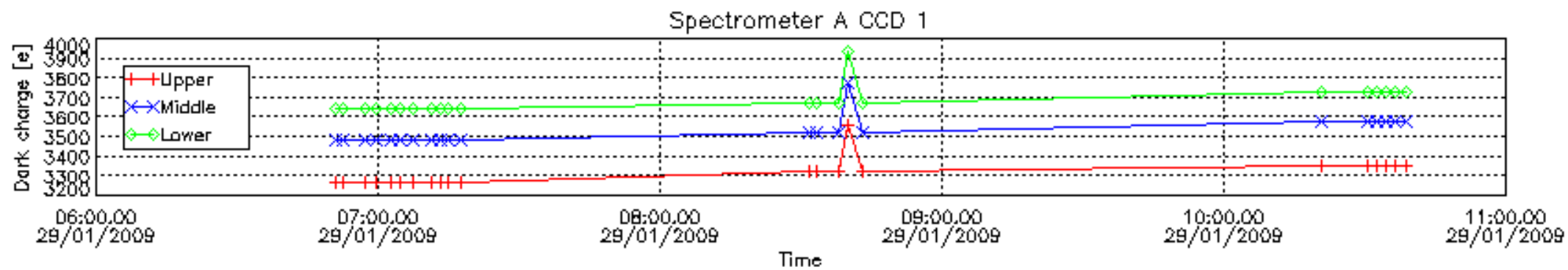


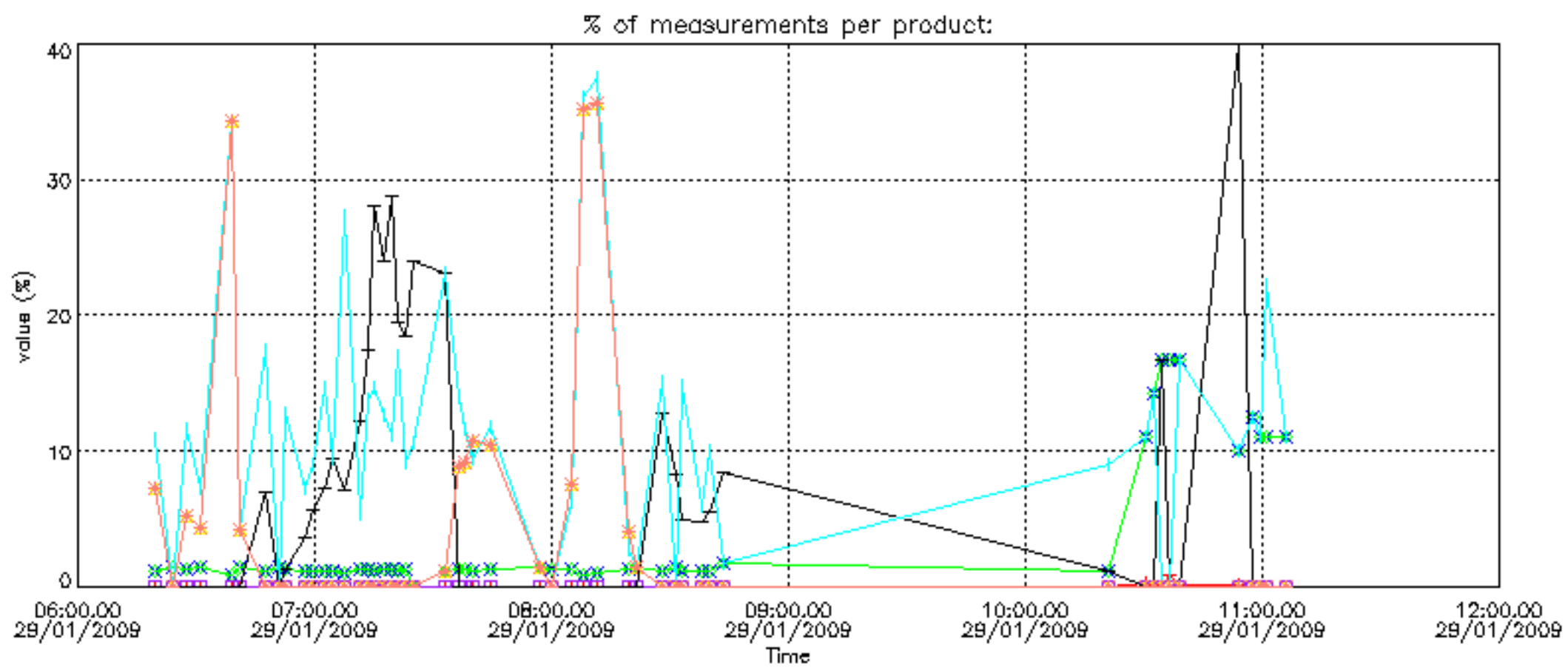




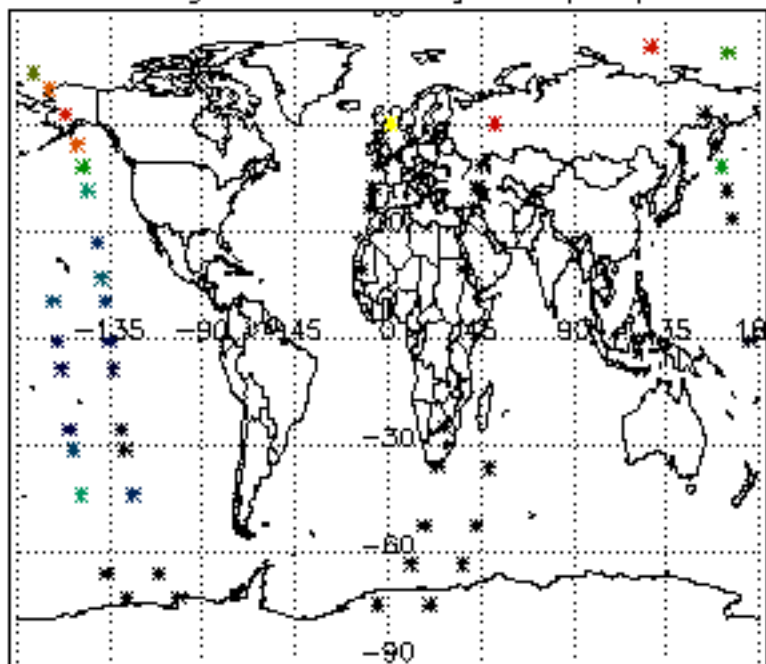




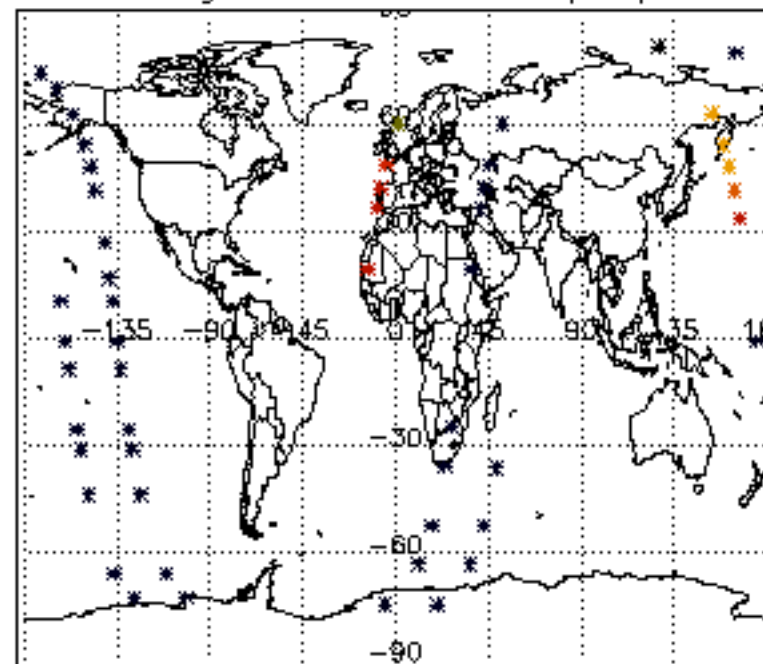




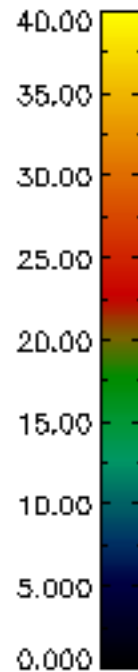
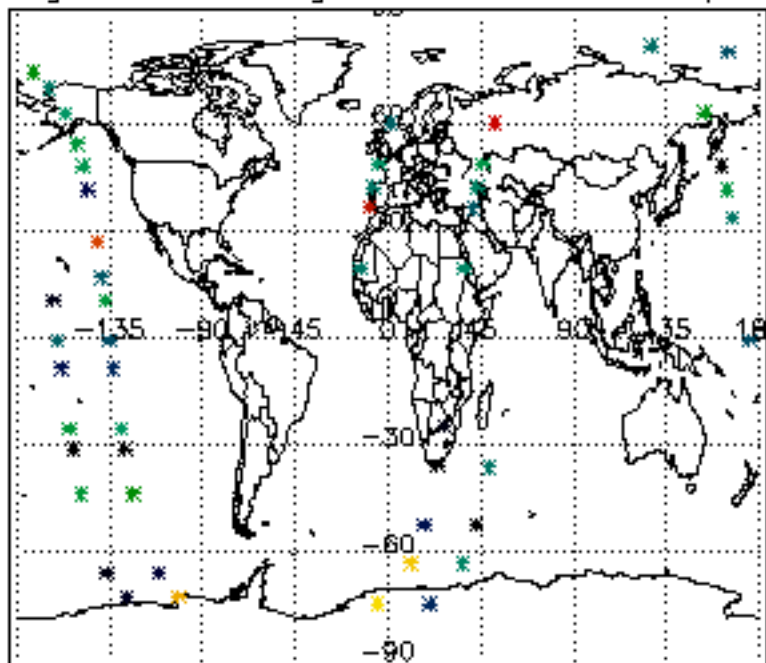
Percentage of cosmic ray hits per profile



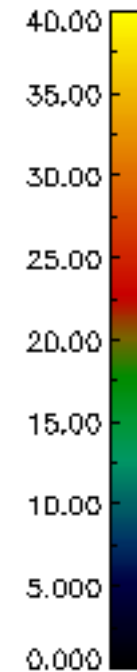
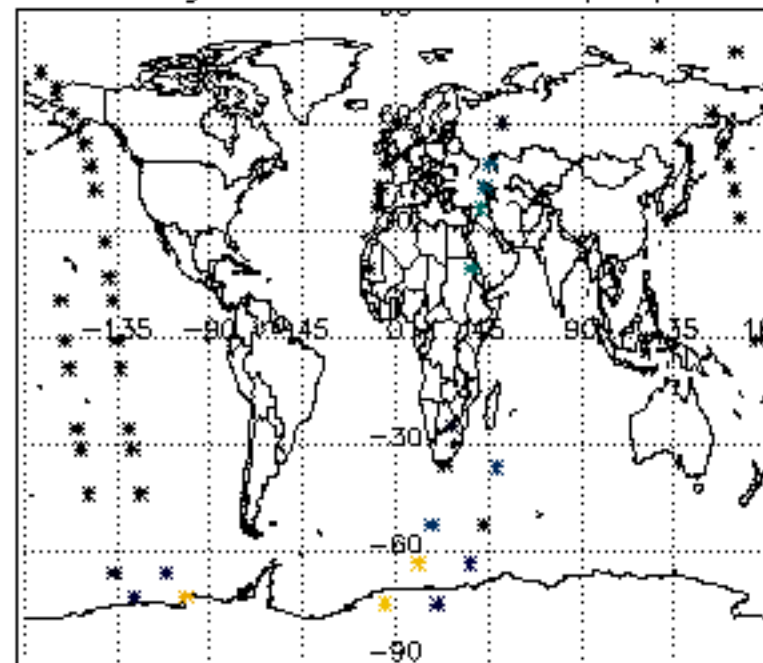
Percentage of datation errors per profile



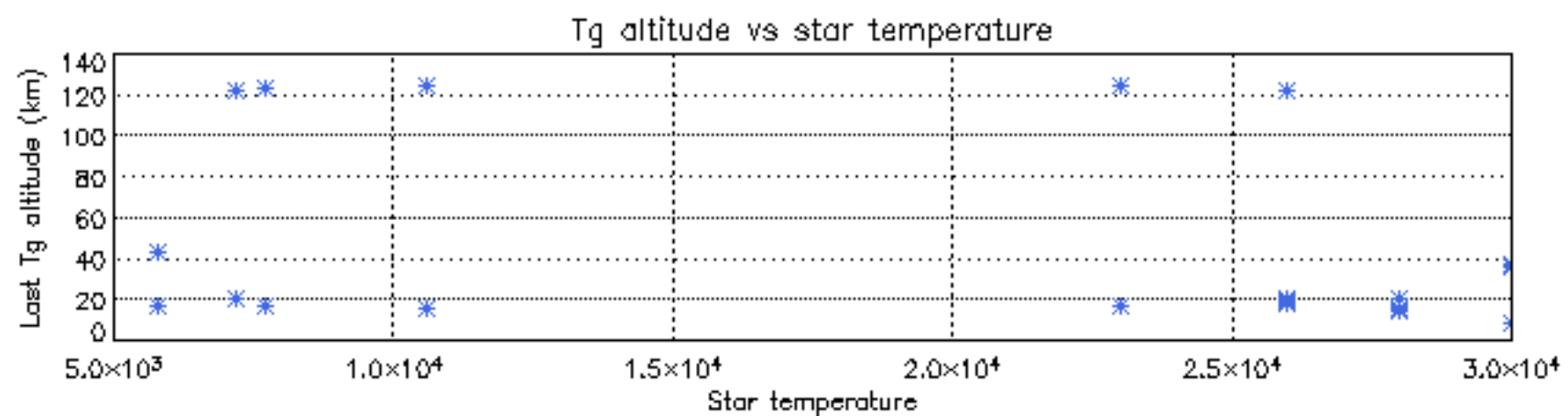
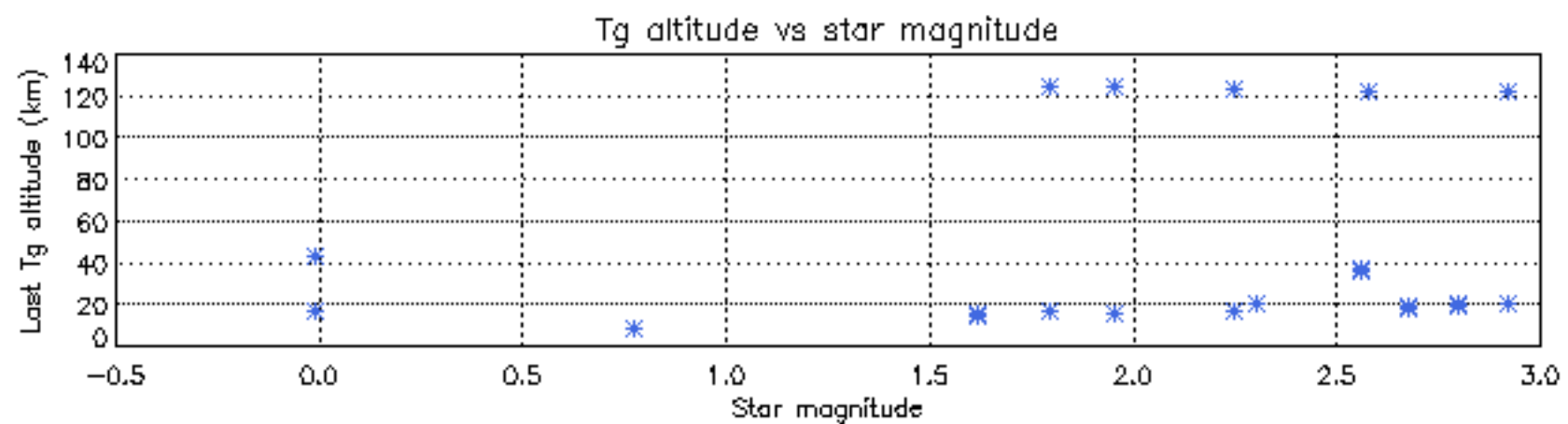
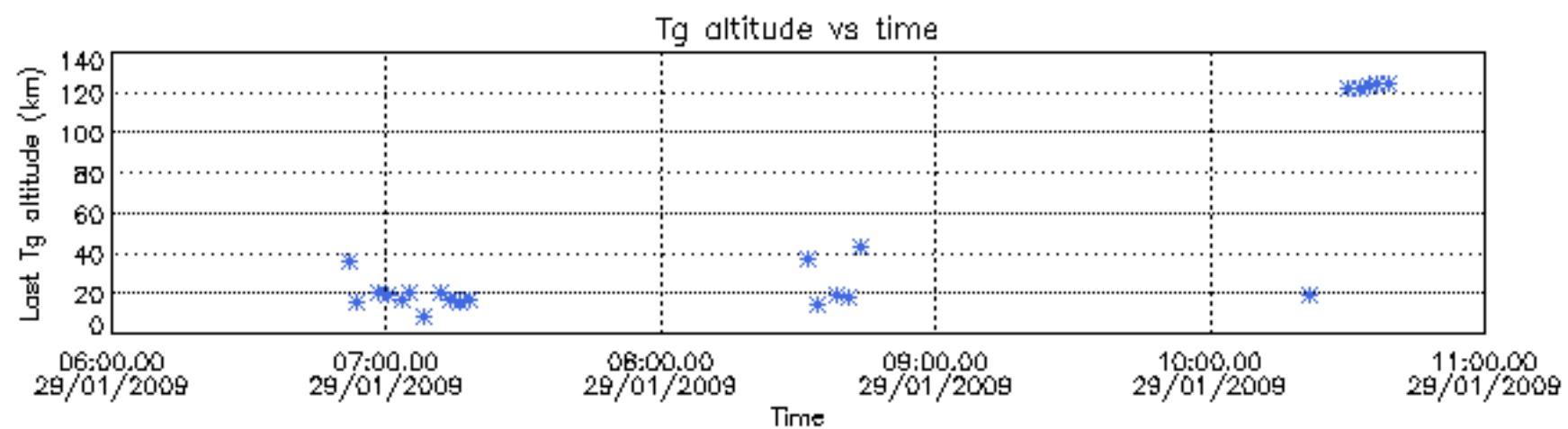
Percentage of star falling outside central band per profile



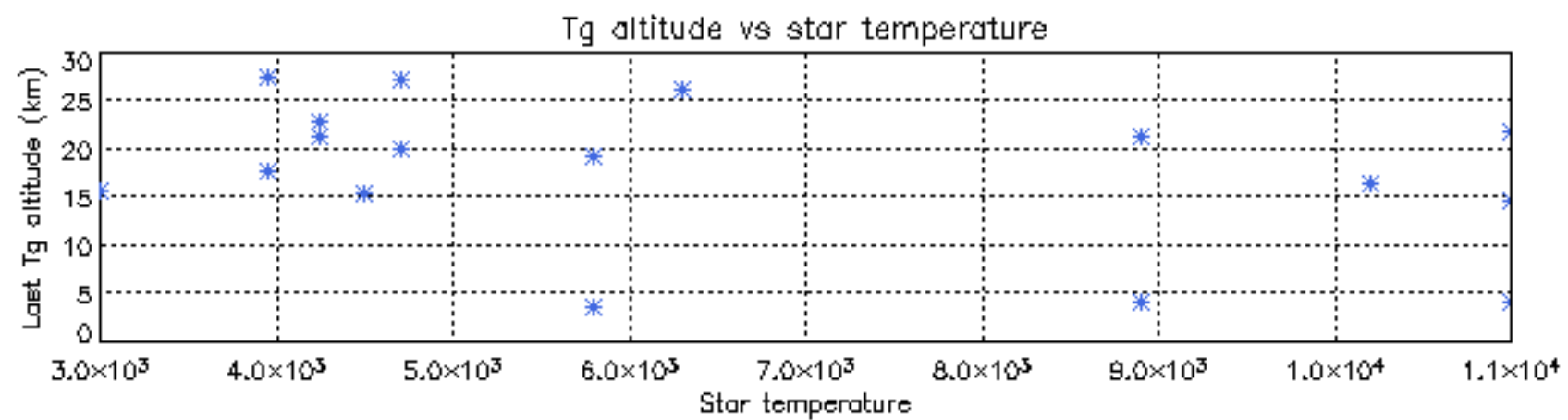
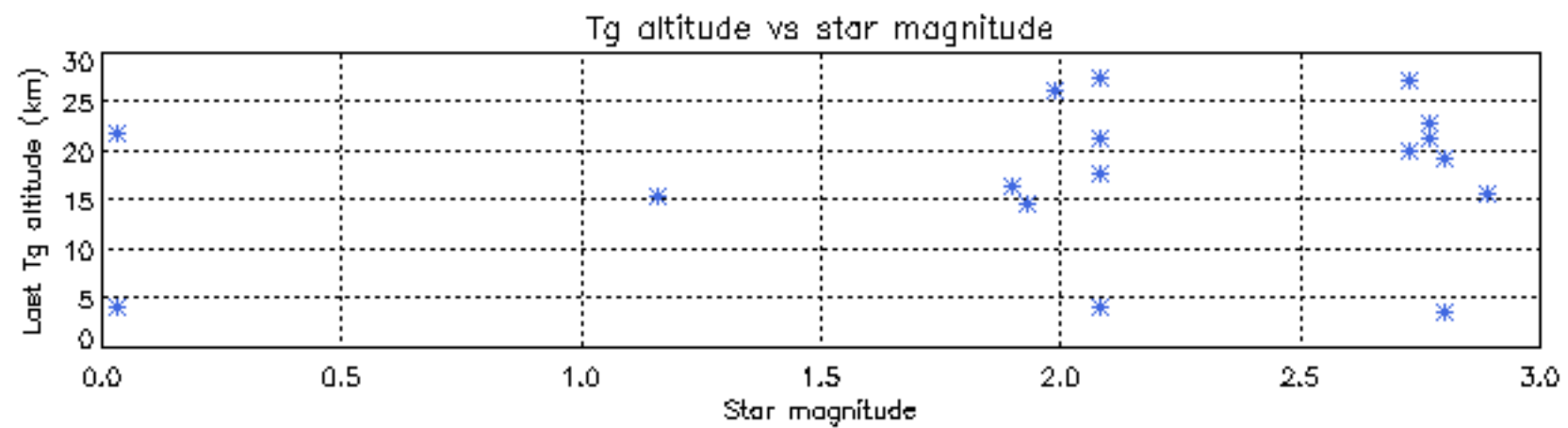
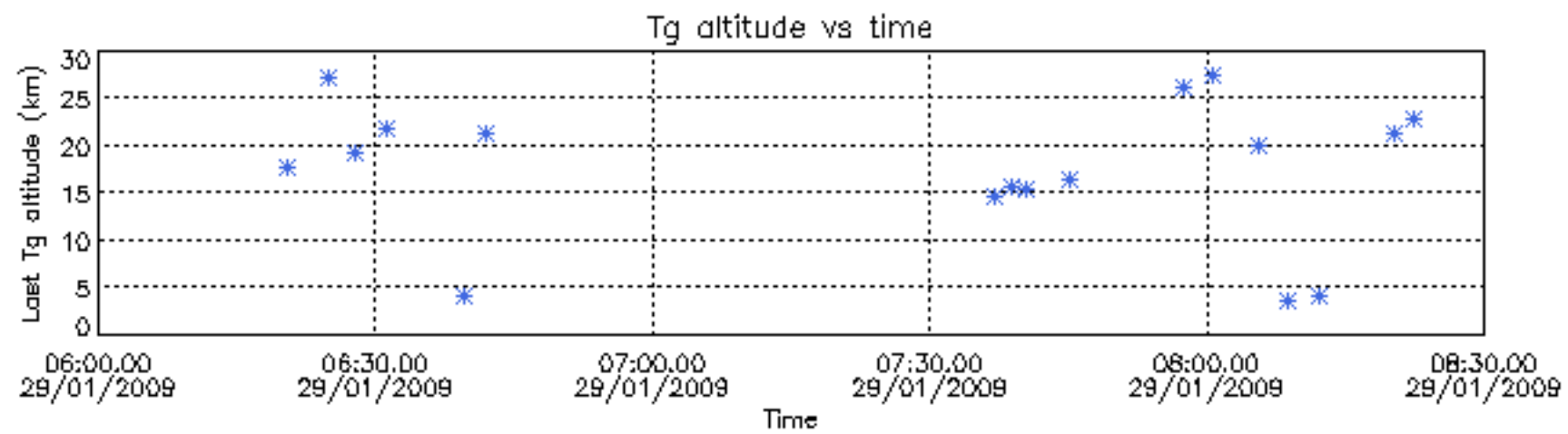
Percentage of saturation errors per profile

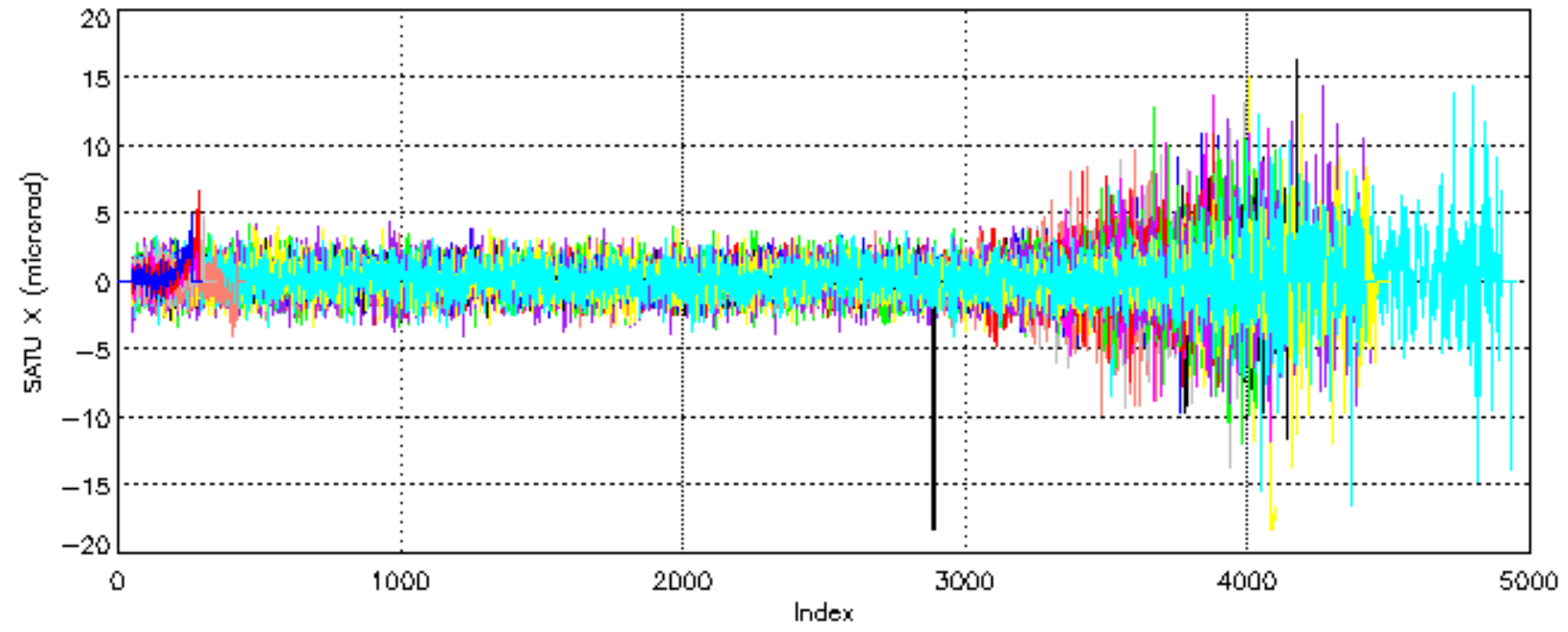


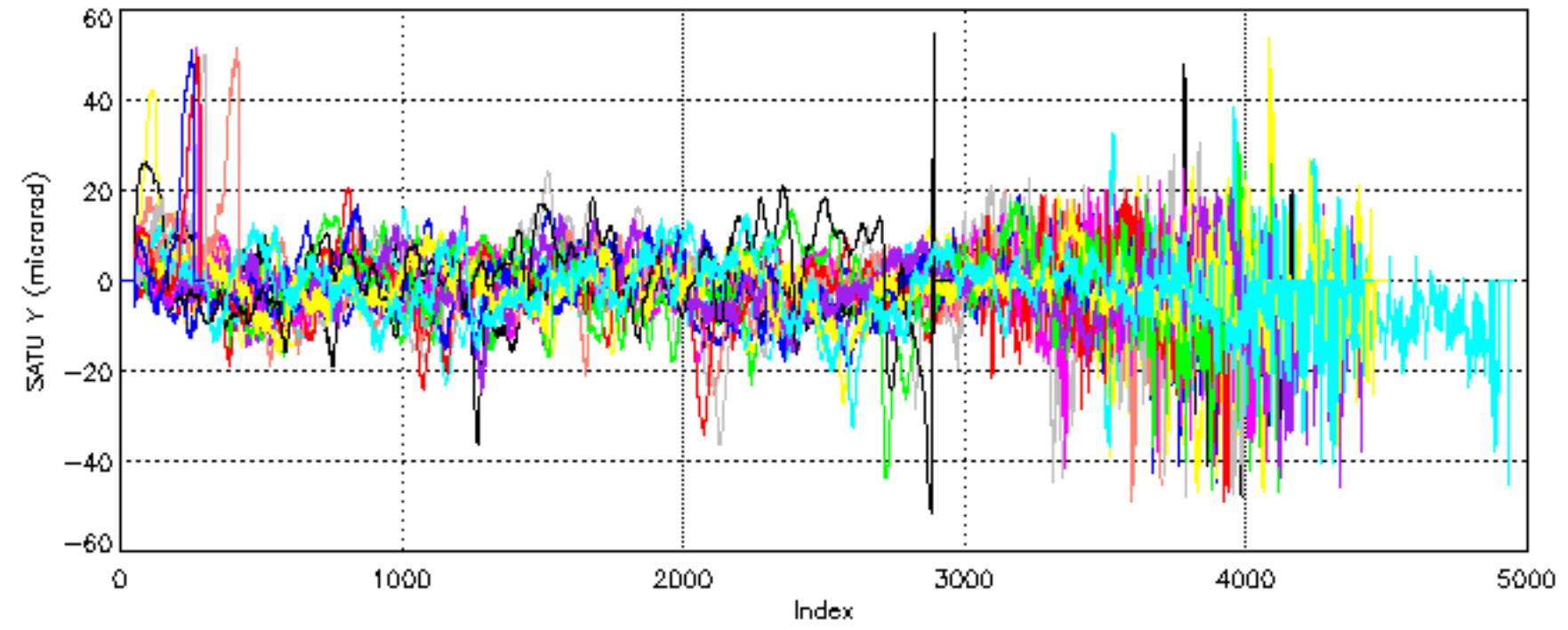
Tangent altitude at which the star is lost

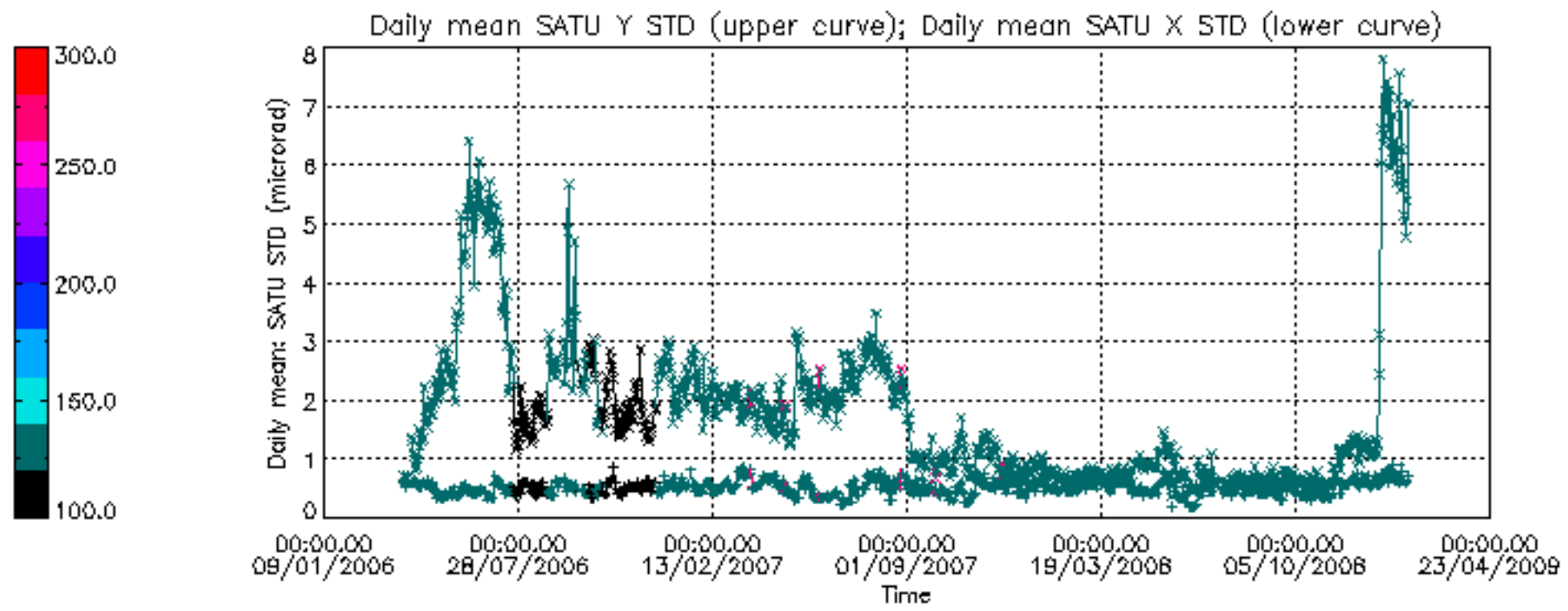


Tangent altitude at which the star is lost









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1; -100.5; 01-JAN-2009 01:36:14; Dark ; 39.5; 95; Zet Cen ; 2.55; 26000;occ; 79; 0;35756
 2; 41.0; 01-JAN-2009 01:38:35; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;35757
 3; 213.9; 01-JAN-2009 01:41:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35757
 4; 432.4; 01-JAN-2009 01:45:07; Dark ; 39.0; 124; The Car ; 2.76; 30000;occ; 78; 0;35757
 5; 548.6; 01-JAN-2009 01:47:03; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;35757
 6; 632.8; 01-JAN-2009 01:48:27; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;35757
 7; 727.3; 01-JAN-2009 01:50:02; Dark ; 52.5; 41; Eps Car ; 1.86; 4100;occ; 105; 0;35757
 8; 979.7; 01-JAN-2009 01:54:14; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;35757
 9; 1174.3; 01-JAN-2009 01:57:29; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;35757
 10; 1341.9; 01-JAN-2009 02:00:16; Dark ; 43.0; 23; 21Eps CMA ; 1.50; 26000;occ; 86; 0;35757
 11; 1434.6; 01-JAN-2009 02:01:49; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;35757
 12; 1582.1; 01-JAN-2009 02:04:16; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;35757
 13; 1770.1; 01-JAN-2009 02:07:24; Dark ; 44.0; 7; 19Bet Ori ; 0.10; 14000;occ; 88; 0;35757
 14; 1881.7; 01-JAN-2009 02:09:16; Dark ; 41.0; 30; 46Eps Ori ; 1.69; 30000;occ; 82; 0;35757
 15; 2032.5; 01-JAN-2009 02:11:47; Dark ; 48.5; 14; 58Alp Ori ; 0.87; 3000;occ; 97; 0;35757
 16; 2270.6; 01-JAN-2009 02:15:45; Bright; 38.5; 176; 23Zet Tau ; 3.02; 22000;occ; 77; 0;35757
 17; 2396.8; 01-JAN-2009 02:17:51; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;35757
 18; 2472.2; 01-JAN-2009 02:19:07; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;35757
 19; 2565.7; 01-JAN-2009 02:20:40; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;35757
 20; 2692.3; 01-JAN-2009 02:22:47; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;35757
 21; 3423.1; 01-JAN-2009 02:34:57; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;35757
 22; 3690.5; 01-JAN-2009 02:39:25; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35757

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1; -2114.0; 01-JAN-2009 02:43:16; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;35757
 2; -1682.7; 01-JAN-2009 02:50:28; Bright; 32.0; 180; 27Gam Boo ; 3.04; 8000;occ; 64; 0;35757
 3; -1489.1; 01-JAN-2009 02:53:41; Bright; 55.0; 67; 5Alp CrB ; 2.22; 11000;occ; 110; 0;35757
 4; -1144.0; 01-JAN-2009 02:59:26; Bright; 34.5; 102; 24Alp Ser ; 2.60; 4250;occ; 69; 0;35757
 5; -839.6; 01-JAN-2009 03:04:31; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;35757
 6; -679.6; 01-JAN-2009 03:07:11; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;35757
 7; -278.4; 01-JAN-2009 03:13:52; Dark ; 37.0; 109; Bet Lup ; 2.68; 26000;occ; 74; 0;35757
 8; -100.0; 01-JAN-2009 03:16:50; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;35757
 9; 41.8; 01-JAN-2009 03:19:12; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;35758
 10; 214.8; 01-JAN-2009 03:22:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35758
 11; 433.3; 01-JAN-2009 03:25:44; Dark ; 26.5; 124; The Car ; 2.76; 30000;occ; 53; 0;35758
 12; 549.2; 01-JAN-2009 03:27:39; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;35758
 13; 633.5; 01-JAN-2009 03:29:04; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;35758
 14; 728.2; 01-JAN-2009 03:30:38; Dark ; 40.0; 41; Eps Car ; 1.86; 4100;occ; 80; 0;35758
 15; 980.4; 01-JAN-2009 03:34:51; Dark ; 51.5; 2; Alp Car ; -0.74; 7000;occ; 103; 0;35758
 16; 1174.5; 01-JAN-2009 03:38:05; Dark ; 41.0; 117; Pi Pup ; 2.71; 3800;occ; 82; 0;35758
 17; 1342.1; 01-JAN-2009 03:40:52; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;35758
 18; 1434.6; 01-JAN-2009 03:42:25; Dark ; 41.5; 179; 240mi2CMA ; 3.03; 24000;occ; 83; 0;35758
 19; 1582.1; 01-JAN-2009 03:44:52; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;35758
 20; 1770.4; 01-JAN-2009 03:48:01; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;35758
 21; 1881.8; 01-JAN-2009 03:49:52; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;35758
 22; 2032.6; 01-JAN-2009 03:52:23; Dark ; 47.0; 14; 58Alp Ori ; 0.87; 3000;occ; 94; 0;35758
 23; 2270.7; 01-JAN-2009 03:56:21; Bright; 38.0; 176; 23Zet Tau ; 3.02; 22000;occ; 76; 0;35758
 24; 2397.1; 01-JAN-2009 03:58:27; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;35758
 25; 2472.7; 01-JAN-2009 03:59:43; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;35758
 26; 2566.0; 01-JAN-2009 04:01:16; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;35758
 27; 2692.4; 01-JAN-2009 04:03:23; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;35758
 28; 3423.6; 01-JAN-2009 04:15:34; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;35758

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 2; -2113.8; 01-JAN-2009 04:23:52; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;35758
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 4; -1144.0; 01-JAN-2009 04:40:02; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;35758
 5; -839.2; 01-JAN-2009 04:45:07; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;35758
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 7; -277.6; 01-JAN-2009 04:54:29; Dark ; 38.5; 109; Bet Lup ; 2.68; 26000;occ; 77; 0;35758
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 11; 215.8; 01-JAN-2009 05:02:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35759
 12; 433.6; 01-JAN-2009 05:06:20; Dark ; 26.0; 124; The Car ; 2.76; 30000;occ; 52; 0;35759
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 14; 634.0; 01-JAN-2009 05:09:40; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;35759
 15; 728.8; 01-JAN-2009 05:11:15; Dark ; 46.0; 41; Eps Car ; 1.86; 4100;occ; 92; 0;35759

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16; 980.8; 01-JAN-2009 05:15:27; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;35759
17; 1174.8; 01-JAN-2009 05:18:41; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;35759
18; 1342.9; 01-JAN-2009 05:21:29; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;35759
19; 1434.7; 01-JAN-2009 05:23:01; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;35759
20; 1582.6; 01-JAN-2009 05:25:29; Dark ; 50.5; 1; 9Alp CMa ; -1.44; 11000;occ; 101; 0;35759
21; 1770.4; 01-JAN-2009 05:28:37; Dark ; 45.0; 7; 19Bet Ori ; 0.10; 14000;occ; 90; 0;35759
22; 1881.5; 01-JAN-2009 05:30:28; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;35759
23; 2032.3; 01-JAN-2009 05:32:59; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;35759
24; 2270.7; 01-JAN-2009 05:36:57; Bright; 38.5; 176; 23Zet Tau ; 3.02; 22000;occ; 77; 0;35759
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11; 3690.0; 01-JAN-2009 14:23:36; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;35764
12; 3922.1; 01-JAN-2009 14:27:28; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;35764
13; 4577.0; 01-JAN-2009 14:38:23; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;35764
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36;	5224.0;	04-JAN-2009	23:17:54;	Bright;	;	42.0;	104;	27Bet Lib	;	2.61;	13100;occ;	84;	0;	35812
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24;	2394.5;	05-JAN-2009	00:11:21;	Bright;	;	37.5;	28;	12Bet Tau	;	1.65;	15200;occ;	75;	0;	35813
25;	2475.6;	05-JAN-2009	00:12:42;	Bright;	;	36.5;	114;	3Iot Aur	;	2.69;	4600;occ;	73;	0;	35813
26;	2553.8;	05-JAN-2009	00:14:00;	Bright;	;	37.5;	107;	37The Aur	;	2.65;	11000;occ;	75;	0;	35813
27;	2689.1;	05-JAN-2009	00:16:15;	Bright;	;	52.0;	6;	13Alp Aur	;	0.08;	3400;occ;	104;	0;	35813
28;	3424.2;	05-JAN-2009	00:28:30;	Bright;	;	36.0;	49;	1Alp UMi	;	1.99;	6300;occ;	72;	0;	35813
29;	3684.3;	05-JAN-2009	00:32:50;	Bright;	;	35.0;	60;	7Bet UMi	;	2.08;	3950;occ;	70;	0;	35813
30;	3924.1;	05-JAN-2009	00:36:50;	Bright;	;	38.0;	119;	14Eta Dra	;	2.73;	4700;occ;	76;	0;	35813
31;	4058.5;	05-JAN-2009	00:39:05;	Bright;	;	36.0;	130;	23Bet Dra	;	2.80;	5800;occ;	72;	0;	35813
32;	4431.1;	05-JAN-2009	00:45:17;	Bright;	;	35.0;	133;	40Zet Her	;	2.81;	6000;occ;	70;	0;	35813
33;	4556.9;	05-JAN-2009	00:47:23;	Bright;	;	45.5;	67;	5Alp CrB	;	2.22;	11000;occ;	91;	0;	35813
34;	4909.9;	05-JAN-2009	00:53:16;	Bright;	;	37.0;	102;	24Alp Ser	;	2.60;	4250;occ;	74;	0;	35813
35;	5045.6;	05-JAN-2009	00:55:32;	Bright;	;	35.0;	120;	1Del Oph	;	2.73;	3200;occ;	70;	0;	35813
36;	5224.2;	05-JAN-2009	00:58:30;	Bright;	;	41.0;	104;	27Bet Lib	;	2.61;	13100;occ;	82;	0;	35813
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1;	-2350.8;	04-JAN-2009	06:06:16;	Bright;	;	40.5;	60;	7Bet UMi	;	2.08;	3950;occ;	81;	0;	35802
2;	-2111.8;	04-JAN-2009	06:10:15;	Bright;	;	35.5;	119;	14Eta Dra	;	2.73;	4700;occ;	71;	0;	35802
3;	-1978.7;	04-JAN-2009	06:12:28;	Bright;	;	32.5;	130;	23Bet Dra	;	2.80;	5800;occ;	65;	0;	35802
4;	-1606.3;	04-JAN-2009	06:18:41;	Bright;	;	33.0;	133;	40Zet Her	;	2.81;	6000;occ;	66;	0;	35802
5;	-1480.8;	04-JAN-2009	06:20:46;	Bright;	;	38.5;	67;	5Alp CrB	;	2.22;	11000;occ;	77;	0;	35802
6;	-1129.7;	04-JAN-2009	06:26:37;	Bright;	;	46.5;	102;	24Alp Ser	;	2.60;	4250;occ;	93;	0;	35802
7;	-993.3;	04-JAN-2009	06:28:54;	Bright;	;	34.0;	120;	1Del Oph	;	2.73;	3200;occ;	68;	0;	35802

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9; -651.2; 04-JAN-2009 06:34:36; Dark ; 48.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 97; 0;35802
10; -342.3; 04-JAN-2009 06:39:45; Dark ; 39.0; 131; Gam Lup ; 2.80; 26000;occ; 78; 0;35802
11; -257.3; 04-JAN-2009 06:41:10; Dark ; 39.5; 109; Bet Lup ; 2.68; 26000;occ; 79; 0;35802
12; -167.3; 04-JAN-2009 06:42:40; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;35802
13; -71.4; 04-JAN-2009 06:44:16; Dark ; 37.5; 95; Zet Cen ; 2.55; 26000;occ; 75; 0;35802
14; 15.7; 04-JAN-2009 06:45:43; Dark ; 44.0; 4; Alp1Cen ;-0.01; 5800;occ; 88; 0;35803
15; 148.0; 04-JAN-2009 06:47:55; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;35803
16; 256.8; 04-JAN-2009 06:49:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35803
17; 456.7; 04-JAN-2009 06:53:04; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;35803
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21; 992.1; 04-JAN-2009 07:01:59; Dark ; 41.5; 2; Alp Car ;-0.74; 7000;occ; 83; 0;35803
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23; 1354.5; 04-JAN-2009 07:08:02; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;35803
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7; 2396.0; 04-JAN-2009 07:25:23; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;35803
8; 2475.0; 04-JAN-2009 07:26:42; Bright; 39.5; 114; 3Iot Aur ; 2.69; 4600;occ; 79; 0;35803
9; 2556.9; 04-JAN-2009 07:28:04; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;35803
10; 2690.1; 04-JAN-2009 07:30:17; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;35803
11; 3423.5; 04-JAN-2009 07:42:30; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;35803
12; 3685.2; 04-JAN-2009 07:46:52; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;35803
13; 3923.6; 04-JAN-2009 07:50:51; Bright; 53.0; 119; 14Eta Dra ; 2.73; 4700;occ; 106; 0;35803
14; 4056.5; 04-JAN-2009 07:53:04; Bright; 48.0; 130; 23Bet Dra ; 2.80; 5800;occ; 96; 0;35803
15; 4429.8; 04-JAN-2009 07:59:17; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;35803
16; 4555.2; 04-JAN-2009 08:01:22; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;35803
17; 4906.8; 04-JAN-2009 08:07:14; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;35803
18; 5043.0; 04-JAN-2009 08:09:30; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;35803
19; 5218.9; 04-JAN-2009 08:12:26; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;35803
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21; 5694.3; 04-JAN-2009 08:20:21; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;35803
22; 5779.5; 04-JAN-2009 08:21:47; Dark ; 41.0; 109; Bet Lup ; 2.68; 26000;occ; 82; 0;35803
23; 5868.0; 04-JAN-2009 08:23:15; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;35803
24; 5965.2; 04-JAN-2009 08:24:52; Dark ; 43.0; 95; Zet Cen ; 2.55; 26000;occ; 86; 0;35803
25; 6052.1; 04-JAN-2009 08:26:19; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;35803
26; 6185.0; 04-JAN-2009 08:28:32; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;35803
27; 6293.7; 04-JAN-2009 08:30:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35803
28; 6493.3; 04-JAN-2009 08:33:40; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;35803
29; 6601.6; 04-JAN-2009 08:35:29; Dark ; 41.5; 29; Bet Car ; 1.67; 10200;occ; 83; 0;35803
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31; 6783.5; 04-JAN-2009 08:38:31; Dark ; 44.5; 41; Eps Car ; 1.86; 4100;occ; 89; 0;35803
32; 7027.8; 04-JAN-2009 08:42:35; Dark ; 44.0; 2; Alp Car ;-0.74; 7000;occ; 88; 0;35803
33; 7109.3; 04-JAN-2009 08:43:56; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;35803
34; 7227.1; 04-JAN-2009 08:45:54; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;35803
35; 7390.8; 04-JAN-2009 08:48:38; Dark ; 46.0; 23; 21Eps Cma ; 1.50; 26000;occ; 92; 0;35803
36; 7481.4; 04-JAN-2009 08:50:08; Dark ; 42.0; 179; 240mi2Cma ; 3.03; 24000;occ; 84; 0;35803
37; 7624.3; 04-JAN-2009 08:52:31; Dark ; 48.0; 1; 9Alp Cma ;-1.44; 11000;occ; 96; 0;35803
38; 7813.8; 04-JAN-2009 08:55:41; Dark ; 31.0; 7; 19Bet Ori ; 0.10; 14000;occ; 62; 0;35803

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3; 2030.8; 04-JAN-2009 08:59:54; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;35804
4; 2267.9; 04-JAN-2009 09:03:51; Bright; 35.0; 176; 23Zet Tau ; 3.02; 22000;occ; 70; 0;35804
5; 2394.5; 04-JAN-2009 09:05:57; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;35804
6; 2474.7; 04-JAN-2009 09:07:18; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;35804
7; 2555.3; 04-JAN-2009 09:08:38; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;35804
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11; 3923.7; 04-JAN-2009 09:31:27; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;35804

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 13; 4430.3; 04-JAN-2009 09:39:53; Bright; 52.0; 133; 40Zet Her ; 2.81; 6000;occ; 104; 0;35804
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 15; 4906.6; 04-JAN-2009 09:47:50; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;35804
 16; 5043.1; 04-JAN-2009 09:50:06; Bright; 35.0; 120; 1Del Oph ; 2.73; 3200;occ; 70; 0;35804
 17; 5219.4; 04-JAN-2009 09:53:02; Bright; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;35804
 18; 5386.3; 04-JAN-2009 09:55:49; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;35804
 19; 5694.8; 04-JAN-2009 10:00:58; Dark ; 37.5; 131; Gam Lup ; 2.80; 26000;occ; 75; 0;35804
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 21; 5869.3; 04-JAN-2009 10:03:52; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;35804
 22; 5965.6; 04-JAN-2009 10:05:29; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;35804
 23; 6052.1; 04-JAN-2009 10:06:55; Dark ; 46.0; 4; Alp1Cen ;-0.01; 5800;occ; 92; 0;35804
 24; 6185.7; 04-JAN-2009 10:09:09; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;35804
 25; 6294.6; 04-JAN-2009 10:10:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35804
 26; 6493.6; 04-JAN-2009 10:14:17; Dark ; 37.5; 124; The Car ; 2.76; 30000;occ; 75; 0;35804
 27; 6602.2; 04-JAN-2009 10:16:05; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;35804
 28; 6694.1; 04-JAN-2009 10:17:37; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;35804
 29; 6784.0; 04-JAN-2009 10:19:07; Dark ; 50.5; 41; Eps Car ; 1.86; 4100;occ; 101; 0;35804
 30; 7027.7; 04-JAN-2009 10:23:11; Dark ; 48.5; 2; Alp Car ;-0.74; 7000;occ; 97; 0;35804
 31; 7110.3; 04-JAN-2009 10:24:33; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;35804
 32; 7227.1; 04-JAN-2009 10:26:30; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;35804
 33; 7390.8; 04-JAN-2009 10:29:14; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;35804
 34; 7481.2; 04-JAN-2009 10:30:44; Dark ; 42.0; 179; 240mi2CMa ; 3.03; 24000;occ; 84; 0;35804
 35; 7624.4; 04-JAN-2009 10:33:07; Dark ; 53.0; 1; 9Alp CMa ;-1.44; 11000;occ; 106; 0;35804

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 4; 2031.5; 04-JAN-2009 10:40:30; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;35805
 5; 2269.3; 04-JAN-2009 10:44:28; Bright; 34.5; 176; 23Zet Tau ; 3.02; 22000;occ; 69; 0;35805
 6; 2395.0; 04-JAN-2009 10:46:34; Bright; 36.5; 28; 12Bet Tau ; 1.65; 15200;occ; 73; 0;35805
 7; 2475.1; 04-JAN-2009 10:47:54; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;35805
 8; 2555.3; 04-JAN-2009 10:49:14; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;35805
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 13; 4057.1; 04-JAN-2009 11:14:16; Bright; 33.0; 130; 23Bet Dra ; 2.80; 5800;occ; 66; 0;35805
 14; 4430.3; 04-JAN-2009 11:20:29; Bright; 43.5; 133; 40Zet Her ; 2.81; 6000;occ; 87; 0;35805
 15; 4555.4; 04-JAN-2009 11:22:34; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;35805
 16; 4907.1; 04-JAN-2009 11:28:26; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;35805
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 18; 5219.9; 04-JAN-2009 11:33:39; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;35805
 19; 5387.3; 04-JAN-2009 11:36:26; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;35805
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 21; 5780.7; 04-JAN-2009 11:43:00; Dark ; 39.5; 109; Bet Lup ; 2.68; 26000;occ; 79; 0;35805
 22; 5869.1; 04-JAN-2009 11:44:28; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;35805
 23; 5966.9; 04-JAN-2009 11:46:06; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;35805
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 25; 6186.3; 04-JAN-2009 11:49:45; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;35805
 26; 6295.5; 04-JAN-2009 11:51:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35805
 27; 6494.3; 04-JAN-2009 11:54:53; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;35805
 28; 6602.6; 04-JAN-2009 11:56:41; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;35805
 29; 6694.9; 04-JAN-2009 11:58:14; Dark ; 49.0; 71; Iot Car ; 2.25; 7700;occ; 98; 0;35805
 30; 6785.0; 04-JAN-2009 11:59:44; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;35805
 31; 7028.2; 04-JAN-2009 12:03:47; Dark ; 48.0; 2; Alp Car ;-0.74; 7000;occ; 96; 0;35805
 32; 7110.5; 04-JAN-2009 12:05:09; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;35805
 33; 7227.8; 04-JAN-2009 12:07:07; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;35805
 34; 7391.0; 04-JAN-2009 12:09:50; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;35805
 35; 7481.4; 04-JAN-2009 12:11:20; Dark ; 43.0; 179; 240mi2CMa ; 3.03; 24000;occ; 86; 0;35805

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 6; 2268.4; 04-JAN-2009 12:25:03; Bright; 36.0; 176; 23Zet Tau ; 3.02; 22000;occ; 72; 0;35806
 7; 2394.8; 04-JAN-2009 12:27:10; Bright; 37.0; 28; 12Bet Tau ; 1.65; 15200;occ; 74; 0;35806

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9; 2555.1; 04-JAN-2009 12:29:50; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;35806
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12; 3684.8; 04-JAN-2009 12:48:39; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;35806
13; 3923.8; 04-JAN-2009 12:52:39; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;35806
14; 4057.4; 04-JAN-2009 12:54:52; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;35806
15; 4430.3; 04-JAN-2009 13:01:05; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;35806
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090106_142803_000059112075_00211_35836_3087.N1

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```

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090106_192258_000060772075_00214_35839_3090.N1

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090106_235605_000060142075_00216_35841_7131.N1

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3; -328.4; 07-JAN-2009 00:03:20; Dark ; 39.5; 131; Gam Lup ; 2.80; 26000;occ; 79; 0;35841


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 22; 2202.3; 07-JAN-2009 22:33:17; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;35855
 23; 2302.9; 07-JAN-2009 22:34:58; Bright; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;35855
 24; 2395.1; 07-JAN-2009 22:36:30; Bright; 38.0; 28; 12Bet Tau ; 1.65; 15200;occ; 76; 0;35855
 25; 2480.5; 07-JAN-2009 22:37:56; Bright; 38.0; 114; 3Iot Aur ; 2.69; 4600;occ; 76; 0;35855
 26; 2680.7; 07-JAN-2009 22:41:16; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;35855
 27; 3424.4; 07-JAN-2009 22:53:39; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;35855
 28; 3678.4; 07-JAN-2009 22:57:54; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;35855
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 31; 4437.8; 07-JAN-2009 23:10:33; Bright; 52.0; 133; 40Zet Her ; 2.81; 6000;occ; 104; 0;35855
 32; 4565.1; 07-JAN-2009 23:12:40; Bright; 58.0; 67; 5Alp CrB ; 2.22; 11000;occ; 116; 0;35855
 33; 4925.3; 07-JAN-2009 23:18:40; Bright; 57.0; 102; 24Alp Ser ; 2.60; 4250;occ; 114; 0;35855
 34; 5058.3; 07-JAN-2009 23:20:53; Bright; 52.0; 120; 1Del Oph ; 2.73; 3200;occ; 104; 0;35855
 35; 5247.5; 07-JAN-2009 23:24:03; Dark ; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;35855

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090107_232442_000058432075_00230_35855_7175.N1

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 6; 35.2; 07-JAN-2009 23:37:46; Dark ; 51.5; 4; Alp1Cen ; -0.01; 5800;occ; 103; 0;35856
 7; 193.7; 07-JAN-2009 23:40:25; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;35856
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 13; 965.7; 07-JAN-2009 23:53:17; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;35856
 14; 1096.5; 07-JAN-2009 23:55:27; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;35856
 15; 1207.4; 07-JAN-2009 23:57:18; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;35856
 16; 1367.4; 07-JAN-2009 23:59:58; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;35856
 17; 1455.6; 08-JAN-2009 00:01:27; Dark ; 41.5; 179; 240mi2Cma ; 3.03; 24000;occ; 83; 0;35856
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 23; 2302.5; 08-JAN-2009 00:15:33; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;35856
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 32; 4565.2; 08-JAN-2009 00:53:16; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;35856
 33; 4925.5; 08-JAN-2009 00:59:16; Bright; 51.5; 102; 24Alp Ser ; 2.60; 4250;occ; 103; 0;35856
 34; 5058.8; 08-JAN-2009 01:01:30; Bright; 35.5; 120; 1Del Oph ; 2.73; 3200;occ; 71; 0;35856

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090107_135807_000059632075_00225_35850_3096.N1

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 4; 1890.0; 07-JAN-2009 14:05:05; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 0;35850
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 13; 3924.3; 07-JAN-2009 14:39:00; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;35850
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 18; 5056.9; 07-JAN-2009 14:57:52; Bright; 35.5; 120; 1Del Oph ; 2.73; 3200;occ; 71; 0;35850
 19; 5245.1; 07-JAN-2009 15:01:00; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;35850
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 22; 5803.2; 07-JAN-2009 15:10:19; Dark ; 38.0; 109; Bet Lup ; 2.68; 26000;occ; 76; 0;35850
 23; 5893.1; 07-JAN-2009 15:11:48; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;35850
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 31; 7130.1; 07-JAN-2009 15:32:25; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;35850
 32; 7241.9; 07-JAN-2009 15:34:17; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;35850
 33; 7401.6; 07-JAN-2009 15:36:57; Dark ; 33.5; 23; 21Eps CMA ; 1.50; 26000;occ; 67; 0;35850

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090107_153657_000057932075_00226_35851_3097.N1

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 13; 3679.4; 07-JAN-2009 16:15:31; Bright; 43.5; 60; 7Bet UMi ; 2.08; 3950;occ; 87; 0;35851
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 15; 4064.2; 07-JAN-2009 16:21:55; Bright; 34.0; 130; 23Bet Dra ; 2.80; 5800;occ; 68; 0;35851
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 22; 5712.4; 07-JAN-2009 16:49:24; Dark ; 37.5; 131; Gam Lup ; 2.80; 26000;occ; 75; 0;35851
 23; 5803.4; 07-JAN-2009 16:50:55; Dark ; 39.0; 109; Bet Lup ; 2.68; 26000;occ; 78; 0;35851
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 32; 7130.6; 07-JAN-2009 17:13:02; Dark ; 29.0; 70; Zet Pup ; 2.25; 39000;occ; 58; 0;35851

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090107_171302_000059512075_00227_35852_3098.N1

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 12; 2479.8; 07-JAN-2009 17:36:07; Bright; 36.0; 114; 3Iot Aur ; 2.69; 4600;occ; 72; 0;35852
 13; 2681.0; 07-JAN-2009 17:39:28; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;35852
 14; 3424.2; 07-JAN-2009 17:51:51; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35852
 15; 3679.1; 07-JAN-2009 17:56:06; Bright; 44.5; 60; 7Bet UMi ; 2.08; 3950;occ; 89; 0;35852

16; 3924.4; 07-JAN-2009 18:00:12; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;35852
 17; 4064.4; 07-JAN-2009 18:02:32; Bright; 34.0; 130; 23Bet Dra ; 2.80; 5800;occ; 68; 0;35852
 18; 4437.4; 07-JAN-2009 18:08:45; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;35852
 19; 4564.6; 07-JAN-2009 18:10:52; Bright; 58.0; 67; 5Alp CrB ; 2.22; 11000;occ; 116; 0;35852
 20; 4924.3; 07-JAN-2009 18:16:52; Bright; 57.0; 102; 24Alp Ser ; 2.60; 4250;occ; 114; 0;35852
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 27; 6070.0; 07-JAN-2009 18:35:57; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;35852
 28; 6227.4; 07-JAN-2009 18:38:35; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;35852
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 30; 6518.4; 07-JAN-2009 18:43:26; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;35852
 31; 6618.6; 07-JAN-2009 18:45:06; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;35852
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 33; 6824.9; 07-JAN-2009 18:48:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35852
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 5; 1455.3; 07-JAN-2009 18:59:39; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;35853
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 7; 1742.4; 07-JAN-2009 19:04:26; Dark ; 40.5; 56; 53Kap Ori ; 2.07; 30000;occ; 81; 0;35853
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 9; 2031.4; 07-JAN-2009 19:09:15; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;35853
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 39; 5256.0; 08-JAN-2009 22:52:34; Dark ; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;35869

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090108_072106_000039552075_00235_35860_3100.N1

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090108_100809_000060352075_00237_35862_3103.N1

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 16; 5172.5; 13-JAN-2009 16:51:53; Bright; 50.0; 98; 13Zet Oph ; 2.57; 30000;occ; 100; 0;35937
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 19; 5751.5; 13-JAN-2009 17:01:32; Dark ; 38.0; 131; Gam Lup ; 2.80; 26000;occ; 76; 0;35937
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090113_172506_000057592075_00313_35938_3146.N1

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090113_190333_000060772075_00314_35939_3147.N1

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26; 6365.6; 13-JAN-2009 20:32:58; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;35939
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12; 1001.5; 14-JAN-2009 01:45:58; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;35943
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17; 612.5; 14-JAN-2009 05:00:41; Dark ; 41.5; 29; Bet Car ; 1.67; 10200;occ; 83; 0;35945
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19; 802.3; 14-JAN-2009 05:03:50; Dark ; 45.5; 41; Eps Car ; 1.86; 4100;occ; 91; 0;35945
20; 1002.1; 14-JAN-2009 05:07:10; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;35945
21; 1131.3; 14-JAN-2009 05:09:19; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;35945
22; 1232.7; 14-JAN-2009 05:11:01; Dark ; 43.5; 117; Pi Pup ; 2.71; 3800;occ; 87; 0;35945
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25; 1606.6; 14-JAN-2009 05:17:15; Dark ; 45.5; 1; 9Alp CMa ;-1.44; 11000;occ; 91; 0;35945
26; 2037.3; 14-JAN-2009 05:24:25; Dark ; 45.5; 14; 58Alp Ori ; 0.87; 3000;occ; 91; 0;35945
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090115_112804_000060792075_00338_35963_3159.N1

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090115_130840_000058312075_00339_35964_3160.N1

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/nas3/ENVISAT/GOMOS/GOM_NL_0P/GOM_NL_0PNPDK20090115_144538_000059282075_00340_35965_3161.N1

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/nas3/ENVISAT/GOMOS/GOM_NL_0P/GOM_NL_0PNPDK20090115_162405_000059492075_00341_35966_3162.N1

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090118_223818_000060602075_00387_36012_7246.N1

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 24; 2677.5; 24-JAN-2009 23:47:17; Bright; 34.5; 42; 34Bet Aur ; 1.90; 10200;occ; 69; 0;36099
 25; 3426.3; 24-JAN-2009 23:59:46; Bright; 36.0; 49; 1Alp UMI ; 1.99; 6300;occ; 72; 0;36099
 26; 3635.7; 25-JAN-2009 00:03:15; Bright; 37.5; 60; 7Bet UMI ; 2.08; 3950;occ; 75; 0;36099
 27; 3910.4; 25-JAN-2009 00:07:50; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;36099
 28; 4085.4; 25-JAN-2009 00:10:45; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;36099
 29; 4289.7; 25-JAN-2009 00:14:09; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;36099
 30; 4473.3; 25-JAN-2009 00:17:13; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;36099
 31; 4674.7; 25-JAN-2009 00:20:34; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;36099
 32; 4771.4; 25-JAN-2009 00:22:11; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;36099
 33; 4897.9; 25-JAN-2009 00:24:18; Bright; 51.0; 126; 60Bet Oph ; 2.77; 4250;occ; 102; 0;36099
 34; 5240.9; 25-JAN-2009 00:30:01; Dark ; 44.5; 98; 13Zet Oph ; 2.57; 30000;occ; 89; 0;36099

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 3; -1950.6; 24-JAN-2009 07:24:46; Bright; 53.0; 130; 23Bet Dra ; 2.80; 5800;occ; 106; 0;36089
 4; -1564.0; 24-JAN-2009 07:31:13; Bright; 38.5; 133; 40Zet Her ; 2.81; 6000;occ; 77; 0;36089
 5; -1363.8; 24-JAN-2009 07:34:33; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;36089
 6; -1266.8; 24-JAN-2009 07:36:10; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;36089
 7; -1140.1; 24-JAN-2009 07:38:16; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;36089
 8; -799.5; 24-JAN-2009 07:43:57; Dark ; 44.5; 98; 13Zet Oph ; 2.57; 30000;occ; 89; 0;36089
 9; -529.1; 24-JAN-2009 07:48:27; Dark ; 46.0; 16; 21Alp Sco ; 1.02; 3000;occ; 92; 0;36089
 10; -443.0; 24-JAN-2009 07:49:54; Dark ; 43.0; 75; 26Eps Sco ; 2.29; 4250;occ; 86; 0;36089
 11; -195.3; 24-JAN-2009 07:54:01; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;36089
 12; -74.2; 24-JAN-2009 07:56:02; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;36089
 13; 35.1; 24-JAN-2009 07:57:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36090
 14; 138.8; 24-JAN-2009 07:59:35; Dark ; 46.0; 4; Alp1Cen ; -0.01; 5800;occ; 92; 0;36090
 15; 228.6; 24-JAN-2009 08:01:05; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;36090
 16; 412.2; 24-JAN-2009 08:04:09; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;36090
 17; 504.8; 24-JAN-2009 08:05:41; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;36090
 18; 655.5; 24-JAN-2009 08:08:12; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;36090
 19; 786.0; 24-JAN-2009 08:10:23; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;36090
 20; 894.4; 24-JAN-2009 08:12:11; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;36090
 21; 1050.9; 24-JAN-2009 08:14:47; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;36090
 22; 1177.2; 24-JAN-2009 08:16:54; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;36090
 23; 1267.3; 24-JAN-2009 08:18:24; Dark ; 43.5; 117; Pi Pup ; 2.71; 3800;occ; 87; 0;36090
 24; 1415.1; 24-JAN-2009 08:20:52; Dark ; 41.0; 23; 21Eps CMA ; 1.50; 26000;occ; 82; 0;36090
 25; 1498.1; 24-JAN-2009 08:22:15; Dark ; 39.0; 179; 240mi2CMA ; 3.03; 24000;occ; 78; 0;36090
 26; 1628.4; 24-JAN-2009 08:24:25; Dark ; 27.5; 1; 9Alp CMA ; -1.44; 11000;occ; 55; 0;36090

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 2; 1996.2; 24-JAN-2009 08:30:33; Dark ; 47.0; 8; 10Alp CMI ; 0.40; 6500;occ; 94; 0;36090
 3; 2187.8; 24-JAN-2009 08:33:44; Bright; 39.5; 44; 24Gam Gem ; 1.93; 11000;occ; 79; 0;36090
 4; 2294.5; 24-JAN-2009 08:35:31; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;36090
 5; 2416.4; 24-JAN-2009 08:37:33; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;36090
 6; 2548.5; 24-JAN-2009 08:39:45; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;36090
 7; 2676.5; 24-JAN-2009 08:41:53; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;36090
 8; 3426.4; 24-JAN-2009 08:54:23; Bright; 36.5; 49; 1Alp UMI ; 1.99; 6300;occ; 73; 0;36090
 9; 3638.2; 24-JAN-2009 08:57:55; Bright; 40.5; 60; 7Bet UMI ; 2.08; 3950;occ; 81; 0;36090
 10; 3911.6; 24-JAN-2009 09:02:28; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;36090
 11; 4085.3; 24-JAN-2009 09:05:22; Bright; 53.0; 130; 23Bet Dra ; 2.80; 5800;occ; 106; 0;36090
 12; 4472.0; 24-JAN-2009 09:11:49; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;36090
 13; 4672.0; 24-JAN-2009 09:15:09; Bright; 43.0; 127; 27Bet Her ; 2.78; 4700;occ; 86; 0;36090
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 16; 5236.7; 24-JAN-2009 09:24:33; Dark ; 44.5; 98; 13Zet Oph ; 2.57; 30000;occ; 89; 0;36090

17; 5506.8; 24-JAN-2009 09:29:03; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;36090
 18; 5593.1; 24-JAN-2009 09:30:30; Dark ; 43.0; 75; 26Eps Sco ; 2.29; 4250;occ; 86; 0;36090
 19; 5841.2; 24-JAN-2009 09:34:38; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;36090
 20; 5962.6; 24-JAN-2009 09:36:39; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;36090
 21; 6071.6; 24-JAN-2009 09:38:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36090
 22; 6175.2; 24-JAN-2009 09:40:12; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;36090
 23; 6265.3; 24-JAN-2009 09:41:42; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;36090
 24; 6448.8; 24-JAN-2009 09:44:45; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;36090
 25; 6541.2; 24-JAN-2009 09:46:18; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36090
 26; 6691.3; 24-JAN-2009 09:48:48; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;36090
 27; 6822.3; 24-JAN-2009 09:50:59; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;36090
 28; 6931.2; 24-JAN-2009 09:52:48; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;36090
 29; 7087.4; 24-JAN-2009 09:55:24; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;36090
 30; 7213.8; 24-JAN-2009 09:57:30; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;36090
 31; 7302.6; 24-JAN-2009 09:58:59; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;36090
 32; 7451.6; 24-JAN-2009 10:01:28; Dark ; 39.5; 23; 21Eps CMA ; 1.50; 26000;occ; 79; 0;36090
 33; 7534.6; 24-JAN-2009 10:02:51; Dark ; 39.0; 179; 240mi2CMA ; 3.03; 24000;occ; 78; 0;36090
 34; 7663.6; 24-JAN-2009 10:05:00; Dark ; 41.5; 1; 9Alp CMA ;-1.44; 11000;occ; 83; 0;36090

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 4; 2294.5; 24-JAN-2009 10:16:07; Bright; 38.5; 151; 13Mu Gem ; 2.89; 3000;occ; 77; 0;36091
 5; 2416.1; 24-JAN-2009 10:18:09; Bright; 42.0; 17; 78Bet Gem ; 1.16; 4500;occ; 84; 0;36091
 6; 2548.2; 24-JAN-2009 10:20:21; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;36091
 7; 2676.8; 24-JAN-2009 10:22:29; Bright; 35.5; 42; 34Bet Aur ; 1.90; 10200;occ; 71; 0;36091
 8; 3426.5; 24-JAN-2009 10:34:59; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;36091
 9; 3637.7; 24-JAN-2009 10:38:30; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;36091
 10; 3911.2; 24-JAN-2009 10:43:04; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;36091
 11; 4085.3; 24-JAN-2009 10:45:58; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;36091
 12; 4472.2; 24-JAN-2009 10:52:25; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;36091
 13; 4672.4; 24-JAN-2009 10:55:45; Bright; 44.0; 127; 27Bet Her ; 2.78; 4700;occ; 88; 0;36091
 14; 4769.5; 24-JAN-2009 10:57:22; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;36091
 15; 4896.4; 24-JAN-2009 10:59:29; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;36091
 16; 5236.7; 24-JAN-2009 11:05:09; Dark ; 44.5; 98; 13Zet Oph ; 2.57; 30000;occ; 89; 0;36091
 17; 5507.4; 24-JAN-2009 11:09:40; Dark ; 47.0; 16; 21Alp Sco ; 1.02; 3000;occ; 94; 0;36091
 18; 5593.6; 24-JAN-2009 11:11:06; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;36091
 19; 5841.9; 24-JAN-2009 11:15:14; Dark ; 39.0; 131; Gam Lup ; 2.80; 26000;occ; 78; 0;36091
 20; 5963.5; 24-JAN-2009 11:17:16; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;36091
 21; 6072.2; 24-JAN-2009 11:19:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36091
 22; 6176.0; 24-JAN-2009 11:20:48; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;36091
 23; 6265.8; 24-JAN-2009 11:22:18; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;36091
 24; 6449.3; 24-JAN-2009 11:25:22; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;36091
 25; 6542.4; 24-JAN-2009 11:26:55; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36091
 26; 6691.5; 24-JAN-2009 11:29:24; Dark ; 43.0; 29; Bet Car ; 1.67; 10200;occ; 86; 0;36091
 27; 6822.7; 24-JAN-2009 11:31:35; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;36091
 28; 6931.3; 24-JAN-2009 11:33:24; Dark ; 37.0; 46; Del Vel ; 1.95; 10600;occ; 74; 0;36091
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 30; 7214.4; 24-JAN-2009 11:38:07; Dark ; 37.0; 70; Zet Pup ; 2.25; 39000;occ; 74; 0;36091
 31; 7303.0; 24-JAN-2009 11:39:35; Dark ; 43.5; 117; Pi Pup ; 2.71; 3800;occ; 87; 0;36091
 32; 7451.5; 24-JAN-2009 11:42:04; Dark ; 42.0; 23; 21Eps CMA ; 1.50; 26000;occ; 84; 0;36091
 33; 7535.2; 24-JAN-2009 11:43:28; Dark ; 36.5; 179; 240mi2CMA ; 3.03; 24000;occ; 73; 0;36091

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 7; 2548.5; 24-JAN-2009 12:00:57; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;36092
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 9; 3426.4; 24-JAN-2009 12:15:35; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;36092
 10; 3637.8; 24-JAN-2009 12:19:06; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;36092
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 13; 4472.3; 24-JAN-2009 12:33:01; Bright; 40.5; 133; 40Zet Her ; 2.81; 6000;occ; 81; 0;36092
 14; 4672.9; 24-JAN-2009 12:36:21; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;36092
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16; 4896.3; 24-JAN-2009 12:40:05; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;36092
 17; 5237.6; 24-JAN-2009 12:45:46; Dark ; 41.0; 98; 13Zet Oph ; 2.57; 30000;occ; 82; 0;36092
 18; 5508.1; 24-JAN-2009 12:50:16; Dark ; 45.5; 16; 21Alp Sco ; 1.02; 3000;occ; 91; 0;36092
 19; 5594.1; 24-JAN-2009 12:51:42; Dark ; 43.0; 75; 26Eps Sco ; 2.29; 4250;occ; 86; 0;36092
 20; 5842.7; 24-JAN-2009 12:55:51; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;36092
 21; 5964.4; 24-JAN-2009 12:57:53; Dark ; 42.5; 109; Bet Lup ; 2.68; 26000;occ; 85; 0;36092
 22; 6072.9; 24-JAN-2009 12:59:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36092
 23; 6176.9; 24-JAN-2009 13:01:25; Dark ; 40.0; 4; Alp1Cen ;-0.01; 5800;occ; 80; 0;36092
 24; 6267.6; 24-JAN-2009 13:02:56; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;36092
 25; 6450.1; 24-JAN-2009 13:05:58; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;36092
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 27; 6691.7; 24-JAN-2009 13:10:00; Dark ; 41.0; 29; Bet Car ; 1.67; 10200;occ; 82; 0;36092
 28; 6823.4; 24-JAN-2009 13:12:12; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;36092
 29; 6931.4; 24-JAN-2009 13:14:00; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;36092
 30; 7088.3; 24-JAN-2009 13:16:37; Dark ; 38.0; 34; Gam2Vel ; 1.79; 23000;occ; 76; 0;36092
 31; 7214.3; 24-JAN-2009 13:18:43; Dark ; 37.5; 70; Zet Pup ; 2.25; 39000;occ; 75; 0;36092
 32; 7304.1; 24-JAN-2009 13:20:12; Dark ; 40.0; 117; Pi Pup ; 2.71; 3800;occ; 80; 0;36092
 33; 7451.8; 24-JAN-2009 13:22:40; Dark ; 36.5; 23; 21Eps CMA ; 1.50; 26000;occ; 73; 0;36092

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 3; 1628.7; 24-JAN-2009 13:26:13; Dark ; 44.5; 1; 9Alp CMA ;-1.44; 11000;occ; 89; 0;36093
 4; 1996.0; 24-JAN-2009 13:32:20; Dark ; 50.5; 8; 10Alp CMi ; 0.40; 6500;occ; 101; 0;36093
 5; 2188.4; 24-JAN-2009 13:35:33; Bright; 38.0; 44; 24Gam Gem ; 1.93; 11000;occ; 76; 0;36093
 6; 2295.0; 24-JAN-2009 13:37:19; Bright; 40.0; 151; 13Mu Gem ; 2.89; 3000;occ; 80; 0;36093
 7; 2416.0; 24-JAN-2009 13:39:20; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;36093
 8; 2548.6; 24-JAN-2009 13:41:33; Bright; 35.5; 107; 37The Aur ; 2.65; 11000;occ; 71; 0;36093
 9; 2676.8; 24-JAN-2009 13:43:41; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;36093
 10; 3426.4; 24-JAN-2009 13:56:11; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;36093
 11; 3637.1; 24-JAN-2009 13:59:41; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;36093
 12; 3911.5; 24-JAN-2009 14:04:16; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;36093
 13; 4085.4; 24-JAN-2009 14:07:10; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;36093
 14; 4472.4; 24-JAN-2009 14:13:37; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;36093
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 18; 5238.0; 24-JAN-2009 14:26:22; Dark ; 45.0; 98; 13Zet Oph ; 2.57; 30000;occ; 90; 0;36093
 19; 5508.8; 24-JAN-2009 14:30:53; Dark ; 54.5; 16; 21Alp Sco ; 1.02; 3000;occ; 109; 0;36093
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 21; 5843.5; 24-JAN-2009 14:36:28; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;36093
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 23; 6073.6; 24-JAN-2009 14:40:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36093
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 20; 659.1; 25-JAN-2009 07:36:39; Dark ; 44.0; 29; Bet Car ; 1.67; 10200;occ; 88; 0;36104
 21; 791.3; 25-JAN-2009 07:38:51; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;36104
 22; 899.3; 25-JAN-2009 07:40:39; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;36104
 23; 1055.0; 25-JAN-2009 07:43:14; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;36104
 24; 1181.8; 25-JAN-2009 07:45:21; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;36104
 25; 1270.5; 25-JAN-2009 07:46:50; Dark ; 39.5; 117; Pi Pup ; 2.71; 3800;occ; 79; 0;36104
 26; 1418.1; 25-JAN-2009 07:49:18; Dark ; 39.0; 23; 21Eps CMa ; 1.50; 26000;occ; 78; 0;36104
 27; 1500.9; 25-JAN-2009 07:50:40; Dark ; 37.5; 179; 240mi2CMa ; 3.03; 24000;occ; 75; 0;36104

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090125_075100_000061882075_00479_36104_3243.N1

1; 1520.4; 25-JAN-2009 07:51:00; Dark ; 38.0; 179; 240mi2CMa ; 3.03; 24000;occ; 76; 39;36104
 2; 1629.8; 25-JAN-2009 07:52:49; Dark ; 44.5; 1; 9Alp CMa ; -1.44; 11000;occ; 89; 0;36104
 3; 1995.6; 25-JAN-2009 07:58:55; Dark ; 46.5; 8; 10Alp CMi ; 0.40; 6500;occ; 93; 0;36104
 4; 2188.9; 25-JAN-2009 08:02:08; Bright; 37.0; 44; 24Gam Gem ; 1.93; 11000;occ; 74; 0;36104
 5; 2295.9; 25-JAN-2009 08:03:55; Bright; 38.5; 151; 13Mu Gem ; 2.89; 3000;occ; 77; 0;36104
 6; 2412.5; 25-JAN-2009 08:05:52; Bright; 43.0; 17; 78Bet Gem ; 1.16; 4500;occ; 86; 0;36104
 7; 2550.5; 25-JAN-2009 08:08:10; Bright; 35.5; 107; 37The Aur ; 2.65; 11000;occ; 71; 0;36104
 8; 2678.2; 25-JAN-2009 08:10:18; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;36104
 9; 3426.7; 25-JAN-2009 08:22:46; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;36104
 10; 3635.2; 25-JAN-2009 08:26:15; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;36104
 11; 3910.3; 25-JAN-2009 08:30:50; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;36104
 12; 4085.8; 25-JAN-2009 08:33:45; Bright; 53.0; 130; 23Bet Dra ; 2.80; 5800;occ; 106; 0;36104
 13; 4290.7; 25-JAN-2009 08:37:10; Bright; 34.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 68; 0;36104
 14; 4474.1; 25-JAN-2009 08:40:14; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;36104
 15; 4676.1; 25-JAN-2009 08:43:36; Bright; 42.0; 127; 27Bet Her ; 2.78; 4700;occ; 84; 0;36104
 16; 4772.9; 25-JAN-2009 08:45:12; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;36104
 17; 4899.7; 25-JAN-2009 08:47:19; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;36104
 18; 5174.5; 25-JAN-2009 08:51:54; Dark ; 35.0; 120; 1Del Oph ; 2.73; 3200;occ; 70; 0;36104
 19; 5273.3; 25-JAN-2009 08:53:33; Dark ; 42.0; 86; 35Eta Oph ; 2.43; 10200;occ; 84; 0;36104
 20; 5514.8; 25-JAN-2009 08:57:34; Dark ; 47.5; 16; 21Alp Sco ; 1.02; 3000;occ; 95; 0;36104
 21; 5599.0; 25-JAN-2009 08:58:58; Dark ; 43.0; 75; 26Eps Sco ; 2.29; 4250;occ; 86; 0;36104
 22; 5851.2; 25-JAN-2009 09:03:11; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;36104
 23; 5974.1; 25-JAN-2009 09:05:14; Dark ; 41.5; 109; Bet Lup ; 2.68; 26000;occ; 83; 0;36104
 24; 6080.7; 25-JAN-2009 09:07:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36104
 25; 6182.4; 25-JAN-2009 09:08:42; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;36104
 26; 6275.9; 25-JAN-2009 09:10:15; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;36104
 27; 6456.7; 25-JAN-2009 09:13:16; Dark ; 48.0; 12; Alp1Cru ; 0.77; 30000;occ; 96; 0;36104
 28; 6553.0; 25-JAN-2009 09:14:52; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36104
 29; 6695.2; 25-JAN-2009 09:17:15; Dark ; 39.5; 29; Bet Car ; 1.67; 10200;occ; 79; 0;36104
 30; 6827.6; 25-JAN-2009 09:19:27; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;36104
 31; 6935.8; 25-JAN-2009 09:21:15; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;36104
 32; 7091.5; 25-JAN-2009 09:23:51; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;36104
 33; 7218.0; 25-JAN-2009 09:25:57; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;36104
 34; 7306.5; 25-JAN-2009 09:27:26; Dark ; 40.0; 117; Pi Pup ; 2.71; 3800;occ; 80; 0;36104
 35; 7454.3; 25-JAN-2009 09:29:54; Dark ; 39.0; 23; 21Eps CMa ; 1.50; 26000;occ; 78; 0;36104
 36; 7536.9; 25-JAN-2009 09:31:16; Dark ; 37.0; 179; 240mi2CMa ; 3.03; 24000;occ; 74; 0;36104
 37; 7666.3; 25-JAN-2009 09:33:26; Dark ; 43.0; 1; 9Alp CMa ; -1.44; 11000;occ; 86; 0;36104

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090125_093326_000060782075_00480_36105_3244.N1

1; 1630.4; 25-JAN-2009 09:33:26; Dark ; 43.5; 1; 9Alp CMa ; -1.44; 11000;occ; 87; 0;36105
 2; 1994.8; 25-JAN-2009 09:39:30; Dark ; 50.5; 8; 10Alp CMi ; 0.40; 6500;occ; 101; 0;36105
 3; 2189.5; 25-JAN-2009 09:42:45; Bright; 37.0; 44; 24Gam Gem ; 1.93; 11000;occ; 74; 0;36105
 4; 2296.2; 25-JAN-2009 09:44:32; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;36105
 5; 2412.4; 25-JAN-2009 09:46:28; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;36105
 6; 2550.8; 25-JAN-2009 09:48:46; Bright; 34.0; 107; 37The Aur ; 2.65; 11000;occ; 68; 0;36105
 7; 2678.5; 25-JAN-2009 09:50:54; Bright; 35.0; 42; 34Bet Aur ; 1.90; 10200;occ; 70; 0;36105
 8; 3426.5; 25-JAN-2009 10:03:22; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;36105
 9; 3635.1; 25-JAN-2009 10:06:50; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;36105
 10; 3909.8; 25-JAN-2009 10:11:25; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;36105
 11; 4085.7; 25-JAN-2009 10:14:21; Bright; 51.5; 130; 23Bet Dra ; 2.80; 5800;occ; 103; 0;36105
 12; 4290.7; 25-JAN-2009 10:17:46; Bright; 51.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 102; 0;36105
 13; 4474.2; 25-JAN-2009 10:20:49; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;36105
 14; 4676.4; 25-JAN-2009 10:24:12; Bright; 45.0; 127; 27Bet Her ; 2.78; 4700;occ; 90; 0;36105
 15; 4773.1; 25-JAN-2009 10:25:48; Bright; 48.5; 59; 55Alp Oph ; 2.08; 8900;occ; 97; 0;36105
 16; 4899.5; 25-JAN-2009 10:27:55; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;36105
 17; 5175.1; 25-JAN-2009 10:32:30; Dark ; 35.0; 120; 1Del Oph ; 2.73; 3200;occ; 70; 0;36105
 18; 5273.4; 25-JAN-2009 10:34:09; Dark ; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 0;36105

19; 5515.1; 25-JAN-2009 10:38:10; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;36105
 20; 5599.4; 25-JAN-2009 10:39:35; Dark ; 40.0; 75; 26Eps Sco ; 2.29; 4250;occ; 80; 0;36105
 21; 5851.7; 25-JAN-2009 10:43:47; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;36105
 22; 5975.2; 25-JAN-2009 10:45:51; Dark ; 41.0; 109; Bet Lup ; 2.68; 26000;occ; 82; 0;36105
 23; 6081.3; 25-JAN-2009 10:47:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36105
 24; 6183.1; 25-JAN-2009 10:49:18; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;36105
 25; 6276.9; 25-JAN-2009 10:50:52; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;36105
 26; 6457.1; 25-JAN-2009 10:53:52; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;36105
 27; 6553.8; 25-JAN-2009 10:55:29; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36105
 28; 6695.2; 25-JAN-2009 10:57:51; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;36105
 29; 6827.8; 25-JAN-2009 11:00:03; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;36105
 30; 6935.6; 25-JAN-2009 11:01:51; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;36105
 31; 7091.7; 25-JAN-2009 11:04:27; Dark ; 38.5; 34; Gam2Vel ; 1.79; 23000;occ; 77; 0;36105
 32; 7218.0; 25-JAN-2009 11:06:33; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;36105
 33; 7306.7; 25-JAN-2009 11:08:02; Dark ; 41.5; 117; Pi Pup ; 2.71; 3800;occ; 83; 0;36105
 34; 7454.4; 25-JAN-2009 11:10:30; Dark ; 38.5; 23; 21Eps CMa ; 1.50; 26000;occ; 77; 0;36105
 35; 7537.3; 25-JAN-2009 11:11:53; Dark ; 36.5; 179; 240mi2CMa ; 3.03; 24000;occ; 73; 0;36105
 36; 7666.1; 25-JAN-2009 11:14:01; Dark ; 42.5; 1; 9Alp CMa ;-1.44; 11000;occ; 85; 0;36105

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090125_111401_000059432075_00481_36106_3245.N1

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 2; 1995.2; 25-JAN-2009 11:20:06; Dark ; 51.5; 8; 10Alp CMi ; 0.40; 6500;occ; 103; 0;36106
 3; 2189.0; 25-JAN-2009 11:23:20; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;36106
 4; 2296.3; 25-JAN-2009 11:25:07; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;36106
 5; 2412.1; 25-JAN-2009 11:27:03; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;36106
 6; 2550.8; 25-JAN-2009 11:29:22; Bright; 34.5; 107; 37The Aur ; 2.65; 11000;occ; 69; 0;36106
 7; 2678.5; 25-JAN-2009 11:31:30; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;36106
 8; 3426.4; 25-JAN-2009 11:43:58; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;36106
 9; 3634.9; 25-JAN-2009 11:47:26; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;36106
 10; 3909.8; 25-JAN-2009 11:52:01; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;36106
 11; 4085.8; 25-JAN-2009 11:54:57; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;36106
 12; 4290.9; 25-JAN-2009 11:58:22; Bright; 34.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 69; 0;36106
 13; 4474.2; 25-JAN-2009 12:01:25; Bright; 40.5; 133; 40Zet Her ; 2.81; 6000;occ; 81; 0;36106
 14; 4676.8; 25-JAN-2009 12:04:48; Bright; 33.0; 127; 27Bet Her ; 2.78; 4700;occ; 66; 0;36106
 15; 4773.1; 25-JAN-2009 12:06:24; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;36106
 16; 4899.9; 25-JAN-2009 12:08:31; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;36106
 17; 5273.9; 25-JAN-2009 12:14:45; Dark ; 40.5; 86; 35Eta Oph ; 2.43; 10200;occ; 81; 0;36106
 18; 5515.7; 25-JAN-2009 12:18:47; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;36106
 19; 5599.6; 25-JAN-2009 12:20:11; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;36106
 20; 5852.3; 25-JAN-2009 12:24:23; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;36106
 21; 5975.9; 25-JAN-2009 12:26:27; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;36106
 22; 6082.0; 25-JAN-2009 12:28:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36106
 23; 6183.4; 25-JAN-2009 12:29:55; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;36106
 24; 6277.6; 25-JAN-2009 12:31:29; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;36106
 25; 6457.7; 25-JAN-2009 12:34:29; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;36106
 26; 6554.6; 25-JAN-2009 12:36:06; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36106
 27; 6695.4; 25-JAN-2009 12:38:27; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;36106
 28; 6828.3; 25-JAN-2009 12:40:39; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;36106
 29; 6936.2; 25-JAN-2009 12:42:27; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;36106
 30; 7092.2; 25-JAN-2009 12:45:03; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;36106
 31; 7218.3; 25-JAN-2009 12:47:09; Dark ; 38.5; 70; Zet Pup ; 2.25; 39000;occ; 77; 0;36106
 32; 7306.6; 25-JAN-2009 12:48:38; Dark ; 39.5; 117; Pi Pup ; 2.71; 3800;occ; 79; 0;36106
 33; 7454.5; 25-JAN-2009 12:51:06; Dark ; 39.5; 23; 21Eps CMa ; 1.50; 26000;occ; 79; 0;36106
 34; 7537.4; 25-JAN-2009 12:52:29; Dark ; 36.0; 179; 240mi2CMa ; 3.03; 24000;occ; 72; 0;36106

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090125_125229_000058462075_00482_36107_3246.N1

1; 1501.6; 25-JAN-2009 12:52:29; Dark ; 36.5; 179; 240mi2CMa ; 3.03; 24000;occ; 73; 0;36107
 2; 1630.3; 25-JAN-2009 12:54:37; Dark ; 43.5; 1; 9Alp CMa ;-1.44; 11000;occ; 87; 0;36107
 3; 1995.1; 25-JAN-2009 13:00:42; Dark ; 47.5; 8; 10Alp CMi ; 0.40; 6500;occ; 95; 0;36107
 4; 2189.2; 25-JAN-2009 13:03:56; Bright; 39.0; 44; 24Gam Gem ; 1.93; 11000;occ; 78; 0;36107
 5; 2296.4; 25-JAN-2009 13:05:43; Bright; 40.0; 151; 13Mu Gem ; 2.89; 3000;occ; 80; 0;36107
 6; 2411.9; 25-JAN-2009 13:07:39; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;36107
 7; 2550.9; 25-JAN-2009 13:09:58; Bright; 32.5; 107; 37The Aur ; 2.65; 11000;occ; 65; 0;36107
 8; 2678.6; 25-JAN-2009 13:12:06; Bright; 34.0; 42; 34Bet Aur ; 1.90; 10200;occ; 68; 0;36107
 9; 3426.9; 25-JAN-2009 13:24:34; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;36107
 10; 3634.5; 25-JAN-2009 13:28:01; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;36107
 11; 3909.2; 25-JAN-2009 13:32:36; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;36107
 12; 4086.0; 25-JAN-2009 13:35:33; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;36107
 13; 4291.4; 25-JAN-2009 13:38:58; Bright; 34.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 69; 0;36107
 14; 4474.6; 25-JAN-2009 13:42:02; Bright; 50.0; 133; 40Zet Her ; 2.81; 6000;occ; 100; 0;36107

15; 4677.1; 25-JAN-2009 13:45:24; Bright; 33.0; 127; 27Bet Her ; 2.78; 4700;occ; 66; 0;36107
 16; 4773.6; 25-JAN-2009 13:47:01; Bright; 36.0; 59; 55Alp Oph ; 2.08; 8900;occ; 72; 0;36107
 17; 4900.0; 25-JAN-2009 13:49:07; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;36107
 18; 5274.7; 25-JAN-2009 13:55:22; Dark ; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 0;36107
 19; 5516.5; 25-JAN-2009 13:59:23; Dark ; 53.5; 16; 21Alp Sco ; 1.02; 3000;occ; 107; 0;36107
 20; 5600.1; 25-JAN-2009 14:00:47; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;36107
 21; 5853.0; 25-JAN-2009 14:05:00; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;36107
 22; 5976.7; 25-JAN-2009 14:07:04; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;36107
 23; 6082.7; 25-JAN-2009 14:08:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36107
 24; 6184.0; 25-JAN-2009 14:10:31; Dark ; 40.0; 4; Alp1Cen ;-0.01; 5800;occ; 80; 0;36107
 25; 6278.3; 25-JAN-2009 14:12:05; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;36107
 26; 6457.9; 25-JAN-2009 14:15:05; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;36107
 27; 6555.5; 25-JAN-2009 14:16:42; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36107
 28; 6695.8; 25-JAN-2009 14:19:03; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;36107
 29; 6828.7; 25-JAN-2009 14:21:16; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;36107
 30; 6936.9; 25-JAN-2009 14:23:04; Dark ; 38.0; 46; Del Vel ; 1.95; 10600;occ; 76; 0;36107
 31; 7092.4; 25-JAN-2009 14:25:39; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;36107
 32; 7218.7; 25-JAN-2009 14:27:46; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;36107
 33; 7307.0; 25-JAN-2009 14:29:14; Dark ; 41.5; 117; Pi Pup ; 2.71; 3800;occ; 83; 0;36107

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090125_142943_000060472075_00483_36108_3247.N1

1; 1300.1; 25-JAN-2009 14:29:43; Dark ; 42.0; 117; Pi Pup ; 2.71; 3800;occ; 84; 58;36108
 2; 1418.8; 25-JAN-2009 14:31:42; Dark ; 41.0; 23; 21Eps CMa ; 1.50; 26000;occ; 82; 0;36108
 3; 1501.6; 25-JAN-2009 14:33:05; Dark ; 37.0; 179; 240mi2CMa ; 3.03; 24000;occ; 74; 0;36108
 4; 1631.1; 25-JAN-2009 14:35:14; Dark ; 43.5; 1; 9Alp CMa ;-1.44; 11000;occ; 87; 0;36108
 5; 1995.0; 25-JAN-2009 14:41:18; Dark ; 48.5; 8; 10Alp CMi ; 0.40; 6500;occ; 97; 0;36108
 6; 2189.3; 25-JAN-2009 14:44:32; Bright; 36.5; 44; 24Gam Gem ; 1.93; 11000;occ; 73; 0;36108
 7; 2296.6; 25-JAN-2009 14:46:19; Bright; 38.0; 151; 13Mu Gem ; 2.89; 3000;occ; 76; 0;36108
 8; 2412.2; 25-JAN-2009 14:48:15; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;36108
 9; 2551.2; 25-JAN-2009 14:50:34; Bright; 33.5; 107; 37The Aur ; 2.65; 11000;occ; 67; 0;36108
 10; 2679.0; 25-JAN-2009 14:52:42; Bright; 35.5; 42; 34Bet Aur ; 1.90; 10200;occ; 71; 0;36108
 11; 3426.8; 25-JAN-2009 15:05:10; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;36108
 12; 3634.4; 25-JAN-2009 15:08:37; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;36108
 13; 3909.4; 25-JAN-2009 15:13:12; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;36108
 14; 4085.9; 25-JAN-2009 15:16:09; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;36108
 15; 4291.4; 25-JAN-2009 15:19:34; Bright; 51.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 102; 0;36108
 16; 4474.7; 25-JAN-2009 15:22:38; Bright; 40.5; 133; 40Zet Her ; 2.81; 6000;occ; 81; 0;36108
 17; 4773.8; 25-JAN-2009 15:27:37; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;36108
 18; 4900.4; 25-JAN-2009 15:29:43; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;36108
 19; 5274.6; 25-JAN-2009 15:35:58; Dark ; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;36108
 20; 5517.8; 25-JAN-2009 15:40:01; Dark ; 46.5; 16; 21Alp Sco ; 1.02; 3000;occ; 93; 0;36108
 21; 5601.3; 25-JAN-2009 15:41:24; Dark ; 42.5; 75; 26Eps Sco ; 2.29; 4250;occ; 85; 0;36108
 22; 5853.6; 25-JAN-2009 15:45:37; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;36108
 23; 5977.5; 25-JAN-2009 15:47:40; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;36108
 24; 6083.4; 25-JAN-2009 15:49:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36108
 25; 6184.7; 25-JAN-2009 15:51:08; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;36108
 26; 6279.2; 25-JAN-2009 15:52:42; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;36108
 27; 6458.7; 25-JAN-2009 15:55:42; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;36108
 28; 6556.5; 25-JAN-2009 15:57:19; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36108
 29; 6696.0; 25-JAN-2009 15:59:39; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;36108
 30; 6829.2; 25-JAN-2009 16:01:52; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;36108
 31; 6937.1; 25-JAN-2009 16:03:40; Dark ; 37.5; 46; Del Vel ; 1.95; 10600;occ; 75; 0;36108
 32; 7092.4; 25-JAN-2009 16:06:15; Dark ; 38.5; 34; Gam2Vel ; 1.79; 23000;occ; 77; 0;36108
 33; 7219.2; 25-JAN-2009 16:08:22; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;36108
 34; 7307.1; 25-JAN-2009 16:09:50; Dark ; 40.0; 117; Pi Pup ; 2.71; 3800;occ; 80; 0;36108

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090125_161019_000056752075_00484_36109_3248.N1

1; 1300.2; 25-JAN-2009 16:10:19; Dark ; 40.5; 117; Pi Pup ; 2.71; 3800;occ; 81; 58;36109
 2; 1419.2; 25-JAN-2009 16:12:18; Dark ; 40.5; 23; 21Eps CMa ; 1.50; 26000;occ; 81; 0;36109
 3; 1501.7; 25-JAN-2009 16:13:41; Dark ; 37.5; 179; 240mi2CMa ; 3.03; 24000;occ; 75; 0;36109
 4; 1631.0; 25-JAN-2009 16:15:50; Dark ; 43.5; 1; 9Alp CMa ;-1.44; 11000;occ; 87; 0;36109
 5; 1995.3; 25-JAN-2009 16:21:54; Dark ; 41.5; 8; 10Alp CMi ; 0.40; 6500;occ; 83; 0;36109
 6; 2189.5; 25-JAN-2009 16:25:08; Bright; 37.0; 44; 24Gam Gem ; 1.93; 11000;occ; 74; 0;36109
 7; 2296.2; 25-JAN-2009 16:26:55; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;36109
 8; 2411.4; 25-JAN-2009 16:28:50; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;36109
 9; 2550.8; 25-JAN-2009 16:31:10; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;36109
 10; 2678.3; 25-JAN-2009 16:33:17; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;36109
 11; 3427.0; 25-JAN-2009 16:45:46; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;36109
 12; 3634.4; 25-JAN-2009 16:49:13; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;36109
 13; 3909.2; 25-JAN-2009 16:53:48; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;36109

14; 4086.1; 25-JAN-2009 16:56:45; Bright; 34.5; 130; 23Bet Dra ; 2.80; 5800;occ; 69; 0;36109
 15; 4291.4; 25-JAN-2009 17:00:10; Bright; 34.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 69; 0;36109
 16; 4474.7; 25-JAN-2009 17:03:14; Bright; 38.5; 133; 40Zet Her ; 2.81; 6000;occ; 77; 0;36109
 17; 4773.9; 25-JAN-2009 17:08:13; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;36109
 18; 4900.6; 25-JAN-2009 17:10:19; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;36109
 19; 5275.2; 25-JAN-2009 17:16:34; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;36109
 20; 5517.9; 25-JAN-2009 17:20:37; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;36109
 21; 5600.9; 25-JAN-2009 17:22:00; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;36109
 22; 5854.4; 25-JAN-2009 17:26:13; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;36109
 23; 5978.4; 25-JAN-2009 17:28:17; Dark ; 41.5; 109; Bet Lup ; 2.68; 26000;occ; 83; 0;36109
 24; 6084.1; 25-JAN-2009 17:30:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36109
 25; 6184.7; 25-JAN-2009 17:31:44; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;36109
 26; 6280.0; 25-JAN-2009 17:33:19; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;36109
 27; 6459.0; 25-JAN-2009 17:36:18; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;36109
 28; 6556.9; 25-JAN-2009 17:37:56; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36109
 29; 6696.0; 25-JAN-2009 17:40:15; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;36109
 30; 6830.0; 25-JAN-2009 17:42:29; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;36109
 31; 6937.5; 25-JAN-2009 17:44:16; Dark ; 38.0; 46; Del Vel ; 1.95; 10600;occ; 76; 0;36109

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090125_174446_000061982075_00485_36110_3249.N1

1; 931.0; 25-JAN-2009 17:44:46; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 59;36110
 2; 1056.8; 25-JAN-2009 17:46:52; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;36110
 3; 1183.1; 25-JAN-2009 17:48:58; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;36110
 4; 1271.3; 25-JAN-2009 17:50:26; Dark ; 39.5; 117; Pi Pup ; 2.71; 3800;occ; 79; 0;36110
 5; 1419.4; 25-JAN-2009 17:52:54; Dark ; 40.5; 23; 21Eps CMa ; 1.50; 26000;occ; 81; 0;36110
 6; 1501.9; 25-JAN-2009 17:54:17; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;36110
 7; 1631.2; 25-JAN-2009 17:56:26; Dark ; 50.5; 1; 9Alp CMa ;-1.44; 11000;occ; 101; 0;36110
 8; 1994.6; 25-JAN-2009 18:02:29; Dark ; 52.0; 8; 10Alp CMI ; 0.40; 6500;occ; 104; 0;36110
 9; 2189.6; 25-JAN-2009 18:05:44; Bright; 37.0; 44; 24Gam Gem ; 1.93; 11000;occ; 74; 0;36110
 10; 2296.9; 25-JAN-2009 18:07:32; Bright; 38.0; 151; 13Mu Gem ; 2.89; 3000;occ; 76; 0;36110
 11; 2411.2; 25-JAN-2009 18:09:26; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;36110
 12; 2550.7; 25-JAN-2009 18:11:46; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;36110
 13; 2679.0; 25-JAN-2009 18:13:54; Bright; 35.0; 42; 34Bet Aur ; 1.90; 10200;occ; 70; 0;36110
 14; 3426.6; 25-JAN-2009 18:26:22; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;36110
 15; 3633.5; 25-JAN-2009 18:29:48; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;36110
 16; 3908.9; 25-JAN-2009 18:34:24; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;36110
 17; 4086.1; 25-JAN-2009 18:37:21; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;36110
 18; 4291.5; 25-JAN-2009 18:40:46; Bright; 33.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 67; 0;36110
 19; 4474.8; 25-JAN-2009 18:43:50; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;36110
 20; 4774.1; 25-JAN-2009 18:48:49; Bright; 51.0; 59; 55Alp Oph ; 2.08; 8900;occ; 102; 0;36110
 21; 4901.0; 25-JAN-2009 18:50:56; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;36110
 22; 5276.1; 25-JAN-2009 18:57:11; Dark ; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;36110
 23; 5518.6; 25-JAN-2009 19:01:14; Dark ; 49.0; 16; 21Alp Sco ; 1.02; 3000;occ; 98; 0;36110
 24; 5601.3; 25-JAN-2009 19:02:36; Dark ; 42.5; 75; 26Eps Sco ; 2.29; 4250;occ; 85; 0;36110
 25; 5855.2; 25-JAN-2009 19:06:50; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;36110
 26; 5978.7; 25-JAN-2009 19:08:54; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;36110
 27; 6084.7; 25-JAN-2009 19:10:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36110
 28; 6185.3; 25-JAN-2009 19:12:20; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;36110
 29; 6280.5; 25-JAN-2009 19:13:55; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;36110
 30; 6459.9; 25-JAN-2009 19:16:55; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;36110
 31; 6557.9; 25-JAN-2009 19:18:33; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36110
 32; 6696.4; 25-JAN-2009 19:20:51; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;36110
 33; 6829.9; 25-JAN-2009 19:23:05; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;36110
 34; 6938.0; 25-JAN-2009 19:24:53; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;36110
 35; 7092.9; 25-JAN-2009 19:27:28; Dark ; 36.5; 34; Gam2Vel ; 1.79; 23000;occ; 73; 0;36110

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090125_192728_000049652075_00486_36111_3250.N1

1; 1056.9; 25-JAN-2009 19:27:28; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;36111
 2; 1183.2; 25-JAN-2009 19:29:34; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;36111
 3; 1271.2; 25-JAN-2009 19:31:02; Dark ; 43.5; 117; Pi Pup ; 2.71; 3800;occ; 87; 0;36111
 4; 1418.9; 25-JAN-2009 19:33:30; Dark ; 41.0; 23; 21Eps CMa ; 1.50; 26000;occ; 82; 0;36111
 5; 1501.9; 25-JAN-2009 19:34:53; Dark ; 38.5; 179; 240mi2CMa ; 3.03; 24000;occ; 77; 0;36111
 6; 1631.5; 25-JAN-2009 19:37:02; Dark ; 43.0; 1; 9Alp CMa ;-1.44; 11000;occ; 86; 0;36111
 7; 1994.6; 25-JAN-2009 19:43:05; Dark ; 50.5; 8; 10Alp CMI ; 0.40; 6500;occ; 101; 0;36111
 8; 2189.3; 25-JAN-2009 19:46:20; Bright; 38.0; 44; 24Gam Gem ; 1.93; 11000;occ; 76; 0;36111
 9; 2296.9; 25-JAN-2009 19:48:08; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;36111
 10; 2411.0; 25-JAN-2009 19:50:02; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;36111
 11; 2551.6; 25-JAN-2009 19:52:22; Bright; 35.5; 107; 37The Aur ; 2.65; 11000;occ; 71; 0;36111
 12; 2679.2; 25-JAN-2009 19:54:30; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;36111
 13; 3426.7; 25-JAN-2009 20:06:58; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;36111

14; 3633.6; 25-JAN-2009 20:10:24; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;36111
 15; 3908.6; 25-JAN-2009 20:15:00; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;36111
 16; 4086.1; 25-JAN-2009 20:17:57; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;36111
 17; 4291.7; 25-JAN-2009 20:21:23; Bright; 34.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 69; 0;36111
 18; 4475.0; 25-JAN-2009 20:24:26; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;36111
 19; 4774.3; 25-JAN-2009 20:29:25; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;36111
 20; 4901.3; 25-JAN-2009 20:31:32; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;36111
 21; 5275.8; 25-JAN-2009 20:37:47; Dark ; 42.5; 86; 35Eta Oph ; 2.43; 10200;occ; 85; 0;36111
 22; 5518.9; 25-JAN-2009 20:41:50; Dark ; 51.0; 16; 21Alp Sco ; 1.02; 3000;occ; 102; 0;36111
 23; 5602.4; 25-JAN-2009 20:43:13; Dark ; 43.5; 75; 26Eps Sco ; 2.29; 4250;occ; 87; 0;36111
 24; 5855.7; 25-JAN-2009 20:47:27; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;36111
 25; 5980.0; 25-JAN-2009 20:49:31; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;36111

/nas3/ENVISAT/GOMOS/GOM_NL_0P/GOM_NL_0PNPDE20090127_200100_000041342076_00014_36140_7291.N1

1; 827.6; 27-JAN-2009 20:01:00; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 46;36140
 2; 911.5; 27-JAN-2009 20:02:24; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;36140
 3; 1065.5; 27-JAN-2009 20:04:58; Dark ; 38.5; 34; Gam2Vel ; 1.79; 23000;occ; 77; 0;36140
 4; 1191.5; 27-JAN-2009 20:07:04; Dark ; 38.0; 70; Zet Pup ; 2.25; 39000;occ; 76; 0;36140
 5; 1277.4; 27-JAN-2009 20:08:30; Dark ; 42.0; 117; Pi Pup ; 2.71; 3800;occ; 84; 0;36140
 6; 1402.1; 27-JAN-2009 20:10:35; Dark ; 40.0; 88; 31Eta CMa ; 2.45; 20000;occ; 80; 0;36140
 7; 1507.3; 27-JAN-2009 20:12:20; Dark ; 34.5; 179; 240mi2CMa ; 3.03; 24000;occ; 69; 0;36140
 8; 1993.3; 27-JAN-2009 20:20:26; Dark ; 49.5; 8; 10Alp CMi ; 0.40; 6500;occ; 99; 0;36140
 9; 2192.1; 27-JAN-2009 20:23:45; Bright; 38.0; 44; 24Gam Gem ; 1.93; 11000;occ; 76; 0;36140
 10; 2300.6; 27-JAN-2009 20:25:33; Bright; 38.0; 151; 13Mu Gem ; 2.89; 3000;occ; 76; 0;36140
 11; 2404.3; 27-JAN-2009 20:27:17; Bright; 40.0; 17; 78Bet Gem ; 1.16; 4500;occ; 80; 0;36140
 12; 2556.1; 27-JAN-2009 20:29:49; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;36140
 13; 2683.0; 27-JAN-2009 20:31:56; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;36140
 14; 3427.3; 27-JAN-2009 20:44:20; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;36140
 15; 3627.4; 27-JAN-2009 20:47:40; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;36140
 16; 3905.2; 27-JAN-2009 20:52:18; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;36140
 17; 4086.6; 27-JAN-2009 20:55:19; Bright; 54.0; 130; 23Bet Dra ; 2.80; 5800;occ; 108; 0;36140
 18; 4296.4; 27-JAN-2009 20:58:49; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;36140
 19; 4479.1; 27-JAN-2009 21:01:52; Bright; 10.0; 133; 40Zet Her ; 2.81; 6000;occ; 20; 0;36140
 20; 4782.0; 27-JAN-2009 21:06:54; Bright; 10.0; 59; 55Alp Oph ; 2.08; 8900;occ; 20; 0;36140
 21; 4909.3; 27-JAN-2009 21:09:02; Bright; 52.5; 126; 60Bet Oph ; 2.77; 4250;occ; 105; 0;36140

/nas3/ENVISAT/GOMOS/GOM_NL_0P/GOM_NL_0PNPDE20090127_211521_000060752076_00014_36140_7292.N1

1; -747.5; 27-JAN-2009 21:15:21; Dark ; 40.5; 86; 35Eta Oph ; 2.43; 10200;occ; 81; 0;36140
 2; -499.7; 27-JAN-2009 21:19:29; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;36140
 3; -420.7; 27-JAN-2009 21:20:48; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;36140
 4; -158.8; 27-JAN-2009 21:25:10; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;36140
 5; -31.5; 27-JAN-2009 21:27:17; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;36140
 6; 68.7; 27-JAN-2009 21:28:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36141
 7; 165.5; 27-JAN-2009 21:30:34; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;36141
 8; 268.0; 27-JAN-2009 21:32:16; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;36141
 9; 440.3; 27-JAN-2009 21:35:09; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;36141
 10; 547.1; 27-JAN-2009 21:36:56; Dark ; 47.5; 99; Del Cen ; 2.58; 26000;occ; 95; 0;36141
 11; 668.6; 27-JAN-2009 21:38:57; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;36141
 12; 804.8; 27-JAN-2009 21:41:13; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;36141
 13; 911.9; 27-JAN-2009 21:43:00; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;36141
 14; 1065.6; 27-JAN-2009 21:45:34; Dark ; 38.5; 34; Gam2Vel ; 1.79; 23000;occ; 77; 0;36141
 15; 1191.9; 27-JAN-2009 21:47:40; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;36141
 16; 1277.8; 27-JAN-2009 21:49:06; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;36141
 17; 1402.5; 27-JAN-2009 21:51:11; Dark ; 39.5; 88; 31Eta CMa ; 2.45; 20000;occ; 79; 0;36141
 18; 1507.2; 27-JAN-2009 21:52:56; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;36141
 19; 1993.5; 27-JAN-2009 22:01:02; Dark ; 46.5; 8; 10Alp CMi ; 0.40; 6500;occ; 93; 0;36141
 20; 2192.5; 27-JAN-2009 22:04:21; Bright; 38.0; 44; 24Gam Gem ; 1.93; 11000;occ; 76; 0;36141
 21; 2300.8; 27-JAN-2009 22:06:09; Bright; 37.5; 151; 13Mu Gem ; 2.89; 3000;occ; 75; 0;36141
 22; 2403.9; 27-JAN-2009 22:07:52; Bright; 42.0; 17; 78Bet Gem ; 1.16; 4500;occ; 84; 0;36141
 23; 2556.3; 27-JAN-2009 22:10:25; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;36141
 24; 2683.2; 27-JAN-2009 22:12:32; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;36141
 25; 3427.4; 27-JAN-2009 22:24:56; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;36141
 26; 3626.9; 27-JAN-2009 22:28:15; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;36141
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090127_225557_000060792076_00015_36141_7293.N1

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 22; 2403.7; 27-JAN-2009 23:48:28; Bright; 40.5; 17; 78Bet Gem ; 1.16; 4500;occ; 81; 0;36142
 23; 2556.6; 27-JAN-2009 23:51:01; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;36142
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090128_004041_000054612076_00016_36142_7294.N1

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 13; 1066.1; 28-JAN-2009 01:06:46; Dark ; 38.0; 34; Gam2Vel ; 1.79; 23000;occ; 76; 0;36143
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 15; 1277.8; 28-JAN-2009 01:10:18; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;36143
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 17; 1507.9; 28-JAN-2009 01:14:08; Dark ; 37.5; 179; 240mi2CMa ; 3.03; 24000;occ; 75; 0;36143
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 19; 2192.6; 28-JAN-2009 01:25:33; Bright; 36.0; 44; 24Gam Gem ; 1.93; 11000;occ; 72; 0;36143
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 22; 2556.6; 28-JAN-2009 01:31:37; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;36143
 23; 2683.2; 28-JAN-2009 01:33:43; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;36143
 24; 3427.2; 28-JAN-2009 01:46:07; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;36143
 25; 3626.5; 28-JAN-2009 01:49:27; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;36143
 26; 3904.8; 28-JAN-2009 01:54:05; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;36143
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090128_021112_000045642076_00017_36143_7295.N1

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16; 1192.3; 28-JAN-2009 02:49:28; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;36144
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13; 71.4; 28-JAN-2009 04:11:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36145
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6; -1125.3; 28-JAN-2009 05:32:03; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;36145
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12; 72.0; 28-JAN-2009 05:52:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36146
13; 167.7; 28-JAN-2009 05:53:36; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;36146
14; 271.8; 28-JAN-2009 05:55:20; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;36146
15; 443.6; 28-JAN-2009 05:58:12; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;36146
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22; 1278.7; 28-JAN-2009 06:12:07; Dark ; 42.0; 117; Pi Pup ; 2.71; 3800;occ; 84; 0;36146
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24; 1508.1; 28-JAN-2009 06:15:56; Dark ; 37.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 75; 0;36146
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9;	4087.4;	29-JAN-2009	08:07:55;	Bright;	;	54.0;	130;	23Bet Dra	;	2.80;	5800;occ;	108;	0;	36161
10;	4299.8;	29-JAN-2009	08:11:27;	Bright;	;	52.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	104;	0;	36161
11;	4788.0;	29-JAN-2009	08:19:35;	Bright;	;	36.5;	59;	55Alp Oph	;	2.08;	8900;occ;	73;	0;	36161
12;	4914.9;	29-JAN-2009	08:21:42;	Bright;	;	35.5;	126;	60Bet Oph	;	2.77;	4250;occ;	71;	0;	36161
13;	5297.2;	29-JAN-2009	08:28:04;	Dark	;	43.0;	86;	35Eta Oph	;	2.43;	10200;occ;	86;	0;	36161
14;	5511.4;	29-JAN-2009	08:31:39;	Dark	;	36.0;	97;	8Bet1Sco	;	2.56;	30000;occ;	72;	0;	36161
15;	5606.0;	29-JAN-2009	08:33:13;	Dark	;	40.5;	25;	35Lam Sco	;	1.62;	28000;occ;	81;	0;	36161
16;	5892.3;	29-JAN-2009	08:37:59;	Dark	;	42.0;	131;	Gam Lup	;	2.80;	26000;occ;	84;	0;	36161
17;	6022.3;	29-JAN-2009	08:40:09;	Dark	;	45.0;	109;	Bet Lup	;	2.68;	26000;occ;	90;	0;	36161
18;	6118.8;	29-JAN-2009	08:41:46;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	36161
19;	6212.0;	29-JAN-2009	08:43:19;	Dark	;	29.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	59;	0;	36161
20;	6320.2;	29-JAN-2009	08:45:07;	Dark	;	43.0;	77;	Eps Cen	;	2.30;	28000;occ;	86;	0;	36161
21;	6487.6;	29-JAN-2009	08:47:55;	Dark	;	39.5;	12;	Alp1Cru	;	0.77;	30000;occ;	79;	0;	36161
22;	6732.9;	29-JAN-2009	08:52:00;	Dark	;	38.0;	159;	Ups Car	;	2.92;	7200;occ;	76;	0;	36161
23;	6847.9;	29-JAN-2009	08:53:55;	Dark	;	42.5;	71;	Iot Car	;	2.25;	7700;occ;	85;	0;	36161
24;	6953.9;	29-JAN-2009	08:55:41;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;occ;	85;	0;	36161
25;	7107.0;	29-JAN-2009	08:58:14;	Dark	;	42.0;	34;	Gam2Vel	;	1.79;	23000;occ;	84;	0;	36161
26;	7232.6;	29-JAN-2009	09:00:20;	Dark	;	39.5;	70;	Zet Pup	;	2.25;	39000;occ;	79;	0;	36161
27;	7317.2;	29-JAN-2009	09:01:44;	Dark	;	43.5;	117;	Pi Pup	;	2.71;	3800;occ;	87;	0;	36161
28;	7441.5;	29-JAN-2009	09:03:49;	Dark	;	41.0;	88;	31Eta CMa	;	2.45;	20000;occ;	82;	0;	36161
29;	7546.4;	29-JAN-2009	09:05:34;	Dark	;	38.5;	179;	240mi2CMa	;	3.03;	24000;occ;	77;	0;	36161

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1;	1992.6;	29-JAN-2009	12:34:47;	Dark	;	48.0;	8;	10Alp CMI	;	0.40;	6500;occ;	96;	0;	36164
2;	2194.8;	29-JAN-2009	12:38:10;	Bright;	;	42.5;	44;	24Gam Gem	;	1.93;	11000;occ;	85;	0;	36164
3;	2304.1;	29-JAN-2009	12:39:59;	Bright;	;	38.5;	151;	13Mu Gem	;	2.89;	3000;occ;	77;	0;	36164
4;	2399.2;	29-JAN-2009	12:41:34;	Bright;	;	43.0;	17;	78Bet Gem	;	1.16;	4500;occ;	86;	0;	36164
5;	2687.0;	29-JAN-2009	12:46:22;	Bright;	;	36.0;	42;	34Bet Aur	;	1.90;	10200;occ;	72;	0;	36164
6;	3621.2;	29-JAN-2009	13:01:56;	Bright;	;	36.5;	60;	7Bet UMi	;	2.08;	3950;occ;	73;	0;	36164
7;	3901.3;	29-JAN-2009	13:06:36;	Bright;	;	41.0;	119;	14Eta Dra	;	2.73;	4700;occ;	82;	0;	36164
8;	4087.0;	29-JAN-2009	13:09:42;	Bright;	;	37.0;	130;	23Bet Dra	;	2.80;	5800;occ;	74;	0;	36164
9;	4300.4;	29-JAN-2009	13:13:15;	Bright;	;	52.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	104;	0;	36164
10;	4788.0;	29-JAN-2009	13:21:23;	Bright;	;	37.0;	59;	55Alp Oph	;	2.08;	8900;occ;	74;	0;	36164
11;	4915.4;	29-JAN-2009	13:23:30;	Bright;	;	38.5;	126;	60Bet Oph	;	2.77;	4250;occ;	77;	0;	36164
12;	5298.9;	29-JAN-2009	13:29:54;	Dark	;	43.0;	86;	35Eta Oph	;	2.43;	10200;occ;	86;	0;	36164
13;	5551.4;	29-JAN-2009	13:34:06;	Dark	;	46.5;	16;	21Alp Sco	;	1.02;	3000;occ;	93;	0;	36164
14;	5895.1;	29-JAN-2009	13:39:50;	Dark	;	44.5;	131;	Gam Lup	;	2.80;	26000;occ;	89;	0;	36164
15;	6025.0;	29-JAN-2009	13:42:00;	Dark	;	45.0;	109;	Bet Lup	;	2.68;	26000;occ;	90;	0;	36164
16;	6120.8;	29-JAN-2009	13:43:36;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	36164
17;	6213.9;	29-JAN-2009	13:45:09;	Dark	;	41.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	82;	0;	36164
18;	6322.6;	29-JAN-2009	13:46:57;	Dark	;	43.0;	77;	Eps Cen	;	2.30;	28000;occ;	86;	0;	36164
19;	6489.5;	29-JAN-2009	13:49:44;	Dark	;	42.0;	12;	Alp1Cru	;	0.77;	30000;occ;	84;	0;	36164
20;	6602.3;	29-JAN-2009	13:51:37;	Dark	;	44.5;	99;	Del Cen	;	2.58;	26000;occ;	89;	0;	36164
21;	6734.5;	29-JAN-2009	13:53:49;	Dark	;	36.0;	159;	Ups Car	;	2.92;	7200;occ;	72;	0;	36164
22;	6849.1;	29-JAN-2009	13:55:44;	Dark	;	46.0;	71;	Iot Car	;	2.25;	7700;occ;	92;	0;	36164
23;	6955.1;	29-JAN-2009	13:57:30;	Dark	;	40.5;	46;	Del Vel	;	1.95;	10600;occ;	81;	0;	36164
24;	7108.0;	29-JAN-2009	14:00:03;	Dark	;	39.0;	34;	Gam2Vel	;	1.79;	23000;occ;	78;	0;	36164
25;	7233.3;	29-JAN-2009	14:02:08;	Dark	;	42.5;	70;	Zet Pup	;	2.25;	39000;occ;	85;	0;	36164
26;	7317.9;	29-JAN-2009	14:03:33;	Dark	;	44.0;	117;	Pi Pup	;	2.71;	3800;occ;	88;	0;	36164
27;	7442.5;	29-JAN-2009	14:05:37;	Dark	;	29.5;	88;	31Eta CMa	;	2.45;	20000;occ;	59;	0;	36164

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2;	-480.2;	30-JAN-2009	01:18:22;	Dark	;	48.0;	16;	21Alp Sco	;	1.02;	3000;occ;	96;	0;	36171
3;	-135.8;	30-JAN-2009	01:24:07;	Dark	;	42.0;	131;	Gam Lup	;	2.80;	26000;occ;	84;	0;	36171
4;	-4.2;	30-JAN-2009	01:26:18;	Dark	;	44.0;	109;	Bet Lup	;	2.68;	26000;occ;	88;	0;	36171
5;	89.7;	30-JAN-2009	01:27:52;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	36172
6;	181.7;	30-JAN-2009	01:29:24;	Dark	;	52.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	105;	0;	36172
7;	292.0;	30-JAN-2009	01:31:14;	Dark	;	42.5;	77;	Eps Cen	;	2.30;	28000;occ;	85;	0;	36172
8;	457.3;	30-JAN-2009	01:34:00;	Dark	;	43.5;	12;	Alp1Cru	;	0.77;	30000;occ;	87;	0;	36172
9;	572.2;	30-JAN-2009	01:35:55;	Dark	;	48.0;	99;	Del Cen	;	2.58;	26000;occ;	96;	0;	36172

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12; 921.4; 30-JAN-2009 01:41:44; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;36172
13; 1074.0; 30-JAN-2009 01:44:16; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;36172
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16; 1512.2; 30-JAN-2009 01:51:35; Dark ; 38.5; 179; 240mi2CMa ; 3.03; 24000;occ; 77; 0;36172
17; 1992.6; 30-JAN-2009 01:59:35; Dark ; 50.5; 8; 10Alp CMI ; 0.40; 6500;occ; 101; 0;36172
18; 2196.4; 30-JAN-2009 02:02:59; Bright; 39.0; 44; 24Gam Gem ; 1.93; 11000;occ; 78; 0;36172
19; 2305.4; 30-JAN-2009 02:04:48; Bright; 40.5; 151; 13Mu Gem ; 2.89; 3000;occ; 81; 0;36172
20; 2397.6; 30-JAN-2009 02:06:20; Bright; 43.0; 17; 78Bet Gem ; 1.16; 4500;occ; 86; 0;36172
21; 2688.1; 30-JAN-2009 02:11:10; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;36172
22; 3427.5; 30-JAN-2009 02:23:30; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;36172
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3; -1734.5; 30-JAN-2009 02:38:04; Bright; 33.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 66; 0;36172
4; -1245.0; 30-JAN-2009 02:46:13; Bright; 34.5; 59; 55Alp Oph ; 2.08; 8900;occ; 69; 0;36172
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6; -733.1; 30-JAN-2009 02:54:45; Dark ; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;36172
7; -479.4; 30-JAN-2009 02:58:59; Dark ; 47.5; 16; 21Alp Sco ; 1.02; 3000;occ; 95; 0;36172
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9; -3.8; 30-JAN-2009 03:06:54; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;36172
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13; 458.0; 30-JAN-2009 03:14:36; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;36173
14; 573.1; 30-JAN-2009 03:16:31; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36173
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16; 816.3; 30-JAN-2009 03:20:35; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;36173
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24; 2305.9; 30-JAN-2009 03:45:24; Bright; 39.5; 151; 13Mu Gem ; 2.89; 3000;occ; 79; 0;36173
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27; 3427.5; 30-JAN-2009 04:04:06; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;36173
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5; -1245.2; 30-JAN-2009 04:26:49; Bright; 32.0; 59; 55Alp Oph ; 2.08; 8900;occ; 64; 0;36173
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8; -479.0; 30-JAN-2009 04:39:35; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;36173
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11; 91.1; 30-JAN-2009 04:49:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36174
12; 182.4; 30-JAN-2009 04:50:37; Dark ; 55.0; 4; Alp1Cen ; -0.01; 5800;occ; 110; 0;36174
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15; 573.8; 30-JAN-2009 04:57:08; Dark ; 44.5; 99; Del Cen ; 2.58; 26000;occ; 89; 0;36174
16; 701.4; 30-JAN-2009 04:59:16; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;36174
17; 816.4; 30-JAN-2009 05:01:11; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;36174
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19; 1074.5; 30-JAN-2009 05:05:29; Dark ; 39.5; 34; Gam2Vel ; 1.79; 23000;occ; 79; 0;36174
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21; 1408.3; 30-JAN-2009 05:11:03; Dark ; 40.0; 88; 31Eta CMa ; 2.45; 20000;occ; 80; 0;36174
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26; 2397.3; 30-JAN-2009 05:27:32; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;36174
27; 2688.5; 30-JAN-2009 05:32:23; Bright; 35.0; 42; 34Bet Aur ; 1.90; 10200;occ; 70; 0;36174
28; 3427.4; 30-JAN-2009 05:44:42; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;36174
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 3; 1202.1; 30-JAN-2009 20:13:00; Dark ; 34.0; 70; Zet Pup ; 2.25; 39000;occ; 68; 0;36183
 4; 1468.6; 30-JAN-2009 20:17:26; Dark ; 33.0; 37; 25Del CMa ; 1.83; 5900;occ; 66; 0;36183
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27; 4922.2; 30-JAN-2009 22:55:36; Bright; 30.0; 126; 60Bet Oph ; 2.77; 4250;occ; 60; 0;36184
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13; 5568.8; 31-JAN-2009 09:09:58; Dark ; 34.5; 16; 21Alp Sco ; 1.02; 3000;occ; 69; 0;36190
14; 5704.2; 31-JAN-2009 09:12:14; Dark ; 30.0; 40; The Sco ; 1.86; 7100;occ; 60; 0;36190
15; 5915.0; 31-JAN-2009 09:15:44; Dark ; 37.5; 131; Gam Lup ; 2.80; 26000;occ; 75; 0;36190
16; 6048.1; 31-JAN-2009 09:17:57; Dark ; 39.5; 109; Bet Lup ; 2.68; 26000;occ; 79; 0;36190
17; 6138.9; 31-JAN-2009 09:19:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36190
18; 6227.5; 31-JAN-2009 09:20:57; Dark ; 35.0; 4; Alp1Cen ; -0.01; 5800;occ; 70; 0;36190
19; 6342.8; 31-JAN-2009 09:22:52; Dark ; 38.5; 77; Eps Cen ; 2.30; 28000;occ; 77; 0;36190
20; 6503.3; 31-JAN-2009 09:25:33; Dark ; 34.5; 12; Alp1Cru ; 0.77; 30000;occ; 69; 0;36190
21; 6623.0; 31-JAN-2009 09:27:32; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;36190
22; 6742.9; 31-JAN-2009 09:29:32; Dark ; 32.0; 159; Ups Car ; 2.92; 7200;occ; 64; 0;36190
23; 6858.2; 31-JAN-2009 09:31:28; Dark ; 31.5; 71; Iot Car ; 2.25; 7700;occ; 63; 0;36190
24; 6963.7; 31-JAN-2009 09:33:13; Dark ; 30.5; 46; Del Vel ; 1.95; 10600;occ; 61; 0;36190
25; 7115.0; 31-JAN-2009 09:35:44; Dark ; 30.5; 34; Gam2Vel ; 1.79; 23000;occ; 61; 0;36190
26; 7239.9; 31-JAN-2009 09:37:49; Dark ; 31.0; 70; Zet Pup ; 2.25; 39000;occ; 62; 0;36190
27; 7447.5; 31-JAN-2009 09:41:17; Dark ; 29.5; 88; 31Eta CMa ; 2.45; 20000;occ; 59; 0;36190

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090131_095059_000054832076_00065_36191_3290.N1

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2; 2198.4; 31-JAN-2009 09:54:24; Bright; 31.5; 44; 24Gam Gem ; 1.93; 11000;occ; 63; 0;36191
3; 2340.6; 31-JAN-2009 09:56:46; Bright; 32.0; 170; 27Eps Gem ; 3.00; 9700;occ; 64; 0;36191
4; 2456.5; 31-JAN-2009 09:58:42; Bright; 34.0; 24; 66Alp Gem ; 1.58; 10200;occ; 68; 0;36191
5; 3427.5; 31-JAN-2009 10:14:53; Bright; 29.5; 49; 1Alp UMi ; 1.99; 6300;occ; 59; 0;36191
6; 3614.9; 31-JAN-2009 10:18:00; Bright; 31.5; 60; 7Bet UMi ; 2.08; 3950;occ; 63; 0;36191
7; 3897.4; 31-JAN-2009 10:22:43; Bright; 30.5; 119; 14Eta Dra ; 2.73; 4700;occ; 61; 0;36191
8; 4086.8; 31-JAN-2009 10:25:52; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 0;36191
9; 4304.4; 31-JAN-2009 10:29:30; Bright; 25.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 51; 0;36191
10; 4795.8; 31-JAN-2009 10:37:41; Bright; 28.0; 59; 55Alp Oph ; 2.08; 8900;occ; 56; 0;36191
11; 4923.9; 31-JAN-2009 10:39:49; Bright; 28.0; 126; 60Bet Oph ; 2.77; 4250;occ; 56; 0;36191
12; 5311.4; 31-JAN-2009 10:46:17; Dark ; 31.0; 86; 35Eta Oph ; 2.43; 10200;occ; 62; 0;36191
13; 5569.0; 31-JAN-2009 10:50:34; Dark ; 35.0; 16; 21Alp Sco ; 1.02; 3000;occ; 70; 0;36191
14; 5704.4; 31-JAN-2009 10:52:50; Dark ; 29.5; 40; The Sco ; 1.86; 7100;occ; 59; 0;36191
15; 5916.3; 31-JAN-2009 10:56:22; Dark ; 36.5; 131; Gam Lup ; 2.80; 26000;occ; 73; 0;36191
16; 6049.2; 31-JAN-2009 10:58:35; Dark ; 39.0; 109; Bet Lup ; 2.68; 26000;occ; 78; 0;36191
17; 6139.6; 31-JAN-2009 11:00:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36191
18; 6227.9; 31-JAN-2009 11:01:33; Dark ; 34.5; 4; Alp1Cen ; -0.01; 5800;occ; 69; 0;36191
19; 6343.5; 31-JAN-2009 11:03:29; Dark ; 37.5; 77; Eps Cen ; 2.30; 28000;occ; 75; 0;36191
20; 6504.0; 31-JAN-2009 11:06:09; Dark ; 34.0; 12; Alp1Cru ; 0.77; 30000;occ; 68; 0;36191
21; 6623.8; 31-JAN-2009 11:08:09; Dark ; 39.0; 99; Del Cen ; 2.58; 26000;occ; 78; 0;36191
22; 6742.9; 31-JAN-2009 11:10:08; Dark ; 31.5; 159; Ups Car ; 2.92; 7200;occ; 63; 0;36191
23; 6858.1; 31-JAN-2009 11:12:03; Dark ; 31.5; 71; Iot Car ; 2.25; 7700;occ; 63; 0;36191
24; 6963.6; 31-JAN-2009 11:13:49; Dark ; 30.5; 46; Del Vel ; 1.95; 10600;occ; 61; 0;36191
25; 7114.9; 31-JAN-2009 11:16:20; Dark ; 30.5; 34; Gam2Vel ; 1.79; 23000;occ; 61; 0;36191
26; 7239.7; 31-JAN-2009 11:18:25; Dark ; 31.0; 70; Zet Pup ; 2.25; 39000;occ; 62; 0;36191
27; 7447.2; 31-JAN-2009 11:21:52; Dark ; 29.5; 88; 31Eta CMa ; 2.45; 20000;occ; 59; 0;36191

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090131_113134_000054842076_00066_36192_3291.N1

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3; 2341.0; 31-JAN-2009 11:37:22; Bright; 31.0; 170; 27Eps Gem ; 3.00; 9700;occ; 62; 0;36192
4; 2456.5; 31-JAN-2009 11:39:18; Bright; 33.5; 24; 66Alp Gem ; 1.58; 10200;occ; 67; 0;36192
5; 3427.6; 31-JAN-2009 11:55:29; Bright; 29.5; 49; 1Alp UMi ; 1.99; 6300;occ; 59; 0;36192
6; 3614.5; 31-JAN-2009 11:58:36; Bright; 31.5; 60; 7Bet UMi ; 2.08; 3950;occ; 63; 0;36192
7; 3897.3; 31-JAN-2009 12:03:18; Bright; 30.0; 119; 14Eta Dra ; 2.73; 4700;occ; 60; 0;36192
8; 4087.1; 31-JAN-2009 12:06:28; Bright; 27.5; 130; 23Bet Dra ; 2.80; 5800;occ; 55; 0;36192
9; 4304.7; 31-JAN-2009 12:10:06; Bright; 25.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 50; 0;36192
10; 4796.6; 31-JAN-2009 12:18:18; Bright; 27.5; 59; 55Alp Oph ; 2.08; 8900;occ; 55; 0;36192
11; 4924.8; 31-JAN-2009 12:20:26; Bright; 27.0; 126; 60Bet Oph ; 2.77; 4250;occ; 54; 0;36192
12; 5311.8; 31-JAN-2009 12:26:53; Dark ; 31.0; 86; 35Eta Oph ; 2.43; 10200;occ; 62; 0;36192
13; 5569.7; 31-JAN-2009 12:31:11; Dark ; 34.5; 16; 21Alp Sco ; 1.02; 3000;occ; 69; 0;36192
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16;	6050.0;	31-JAN-2009	12:39:11;	Dark	;	39.0;	109;	Bet Lup	;	2.68;	26000;occ;	78;	0;	36192
17;	6140.3;	31-JAN-2009	12:40:41;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	36192
18;	6228.2;	31-JAN-2009	12:42:09;	Dark	;	34.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	69;	0;	36192
19;	6344.6;	31-JAN-2009	12:44:06;	Dark	;	37.5;	77;	Eps Cen	;	2.30;	28000;occ;	75;	0;	36192
20;	6504.4;	31-JAN-2009	12:46:46;	Dark	;	34.0;	12;	Alp1Cru	;	0.77;	30000;occ;	68;	0;	36192
21;	6624.7;	31-JAN-2009	12:48:46;	Dark	;	39.0;	99;	Del Cen	;	2.58;	26000;occ;	78;	0;	36192
22;	6743.6;	31-JAN-2009	12:50:45;	Dark	;	31.5;	159;	Ups Car	;	2.92;	7200;occ;	63;	0;	36192
23;	6858.6;	31-JAN-2009	12:52:40;	Dark	;	31.5;	71;	Iot Car	;	2.25;	7700;occ;	63;	0;	36192
24;	6963.8;	31-JAN-2009	12:54:25;	Dark	;	31.0;	46;	Del Vel	;	1.95;	10600;occ;	62;	0;	36192
25;	7115.0;	31-JAN-2009	12:56:56;	Dark	;	30.5;	34;	Gam2Vel	;	1.79;	23000;occ;	61;	0;	36192
26;	7240.2;	31-JAN-2009	12:59:01;	Dark	;	31.0;	70;	Zet Pup	;	2.25;	39000;occ;	62;	0;	36192
27;	7447.5;	31-JAN-2009	13:02:29;	Dark	;	29.5;	88;	31Eta CMa	;	2.45;	20000;occ;	59;	0;	36192