

GOMOS Daily Report 07-JAN-2007

Level 0 and Level 1 products

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

Item	Value
Time of report generation	11JAN2007 12:46:00
Data source version	GOMOS/5.00
Start time of products	07-01-2007 (07JAN2007 00:00:00)
Stop time of products	08-01-2007 (08JAN2007 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	48
Nb of prods with errors	0

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

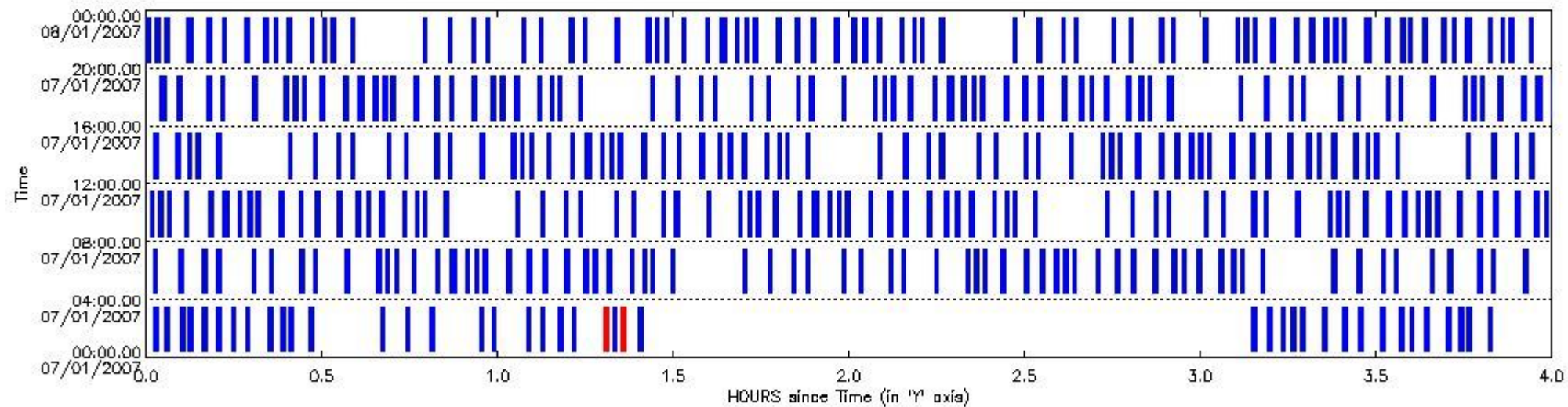
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

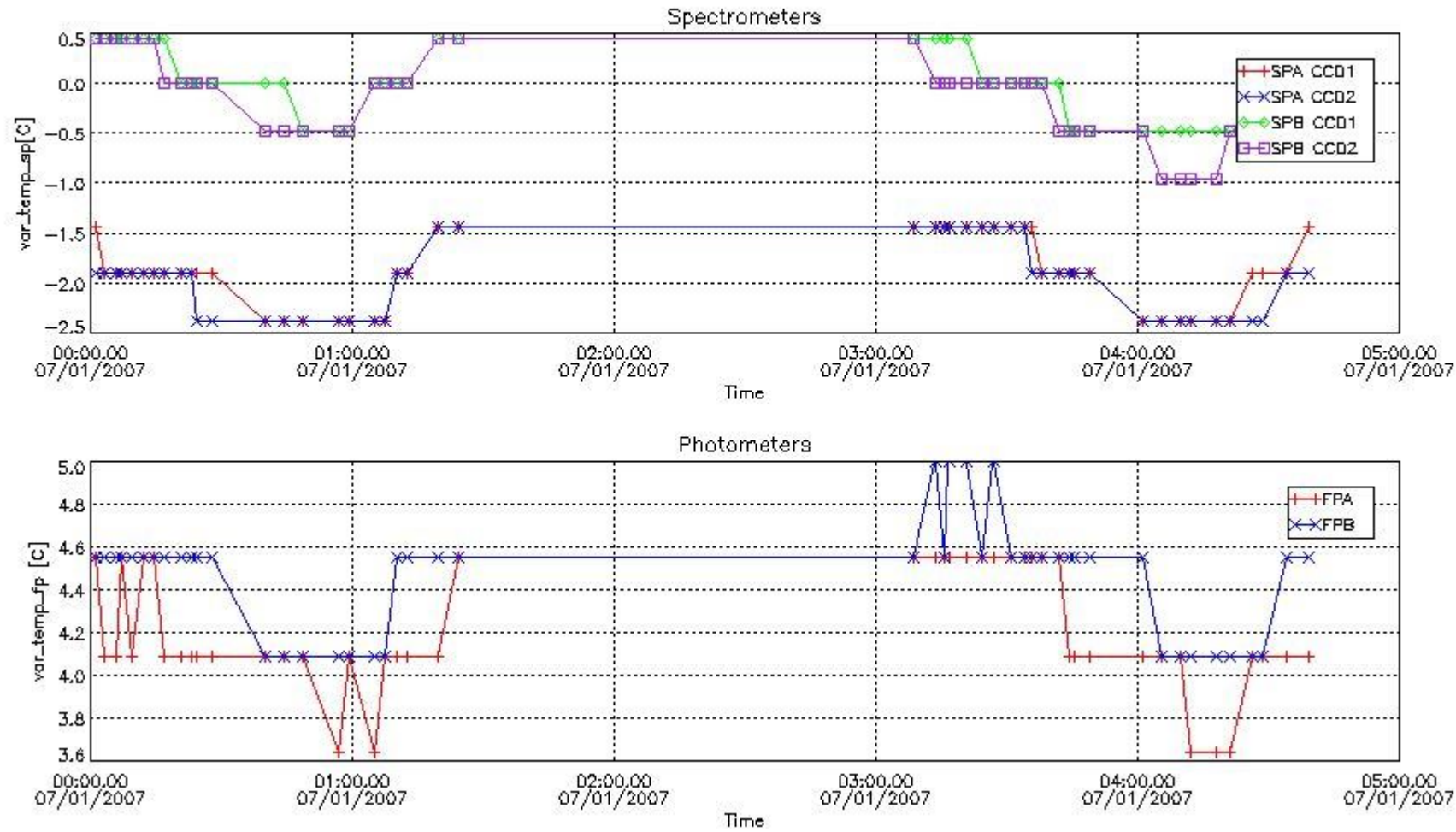
UTC start time	Star name	Star ID	Orbit
07-JAN-2007 01:18:03	GamLup	131	25378
07-JAN-2007 01:21:02	AlpLup	78	25378

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_1PNPDE20070107_000110_000000462054_00274_25378_6389.N1	07-JAN-2007 00:01:10	Dark	45.500	70	Zet Pup	2.2460	39000.	91	25378	No
2	GOM_TRA_1PNPDE20070107_000304_000000482054_00274_25378_6390.N1	07-JAN-2007 00:03:04	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	25378	No
3	GOM_TRA_1PNPDE20070107_000545_000000462054_00274_25378_6391.N1	07-JAN-2007 00:05:45	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	25378	No
4	GOM_TRA_1PNPDE20070107_000714_000000432054_00274_25378_6392.N1	07-JAN-2007 00:07:14	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	25378	No
5	GOM_TRA_1PNPDE20070107_000935_000000462054_00274_25378_6393.N1	07-JAN-2007 00:09:35	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	25378	No
6	GOM_TRA_1PNPDE20070107_001203_000000412054_00274_25378_6394.N1	07-JAN-2007 00:12:03	Straylight	40.500	56	53Kap Ori	2.0650	30000.	81	25378	No
7	GOM_TRA_1PNPDE20070107_001431_000000432054_00274_25378_6395.N1	07-JAN-2007 00:14:31	Straylight	42.500	30	46Eps Ori	1.6940	30000.	85	25378	No
8	GOM_TRA_1PNPDE20070107_001654_000000482054_00274_25378_6396.N1	07-JAN-2007 00:16:54	Twilight_stray	48.000	14	58Alp Ori	0.87000	3000.0	96	25378	No
9	GOM_TRA_1PNPDE20070107_002051_000000372054_00274_25378_6397.N1	07-JAN-2007 00:20:51	Bright	37.000	176	23Zet Tau	3.0200	22000.	74	25378	No

10	GOM_TRA_1PNPDE20070107_002258_000000392054_00274_25378_6398.N1	07-JAN-2007 00:22:58	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	25378	No
11	GOM_TRA_1PNPDE20070107_002421_000000382054_00274_25378_6399.N1	07-JAN-2007 00:24:21	Bright	37.500	114	3lot Aur	2.6930	4600.0	75	25378	No
12	GOM_TRA_1PNPDE20070107_002753_000000382054_00274_25378_6400.N1	07-JAN-2007 00:27:53	Bright	38.000	6	13Alp Aur	0.080000	3400.0	76	25378	No
13	GOM_TRA_1PNPDE20070107_004007_000000342054_00274_25378_6401.N1	07-JAN-2007 00:40:07	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	25378	No
14	GOM_TRA_1PNPDE20070107_004425_000000362054_00274_25378_6402.N1	07-JAN-2007 00:44:25	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	25378	No
15	GOM_TRA_1PNPDE20070107_004828_000000362054_00274_25378_6403.N1	07-JAN-2007 00:48:28	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	25378	No
16	GOM_TRA_1PNPDE20070107_005658_000000352054_00274_25378_6404.N1	07-JAN-2007 00:56:58	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	25378	No
17	GOM_TRA_1PNPDE20070107_005905_000000392054_00274_25378_6405.N1	07-JAN-2007 00:59:05	Bright	38.500	67	5Alp CrB	2.2210	11000.	77	25378	No
18	GOM_TRA_1PNPDE20070107_010501_000000392054_00274_25378_6406.N1	07-JAN-2007 01:05:01	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	25378	No
19	GOM_TRA_1PNPDE20070107_010716_000000352054_00274_25378_6407.N1	07-JAN-2007 01:07:16	Bright	34.500	120	1Del Oph	2.7340	3200.0	69	25378	No
20	GOM_TRA_1PNPDE20070107_011019_000000452054_00274_25378_6520.N1	07-JAN-2007 01:10:19	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	25378	No
21	GOM_TRA_1PNPDE20070107_011243_000000412054_00274_25378_6521.N1	07-JAN-2007 01:12:43	Twilight	40.500	80	7Del Sco	2.3160	30000.	81	25378	No
22	GOM_TRA_1PNPDE20070107_011938_000000392054_00274_25378_6522.N1	07-JAN-2007 01:19:38	Dark	39.000	109	Bet Lup	2.6770	26000.	78	25378	No
23	GOM_TRA_1PNPDE20070107_012407_000000442054_00275_25379_6523.N1	07-JAN-2007 01:24:07	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	25379	No
24	GOM_TRA_1PNPDE20070107_030849_000000402054_00276_25380_6684.N1	07-JAN-2007 03:08:49	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	25380	No
25	GOM_TRA_1PNPDE20070107_031352_000000382054_00276_25380_6685.N1	07-JAN-2007 03:13:52	Dark	38.000	29	Bet Car	1.6720	10200.	76	25380	No
26	GOM_TRA_1PNPDE20070107_031530_000000392054_00276_25380_6686.N1	07-JAN-2007 03:15:30	Dark	39.000	71	lot Car	2.2460	7700.0	78	25380	No
27	GOM_TRA_1PNPDE20070107_031657_000000522054_00276_25380_6687.N1	07-JAN-2007 03:16:57	Dark	51.500	41	Eps Car	1.8600	4100.0	103	25380	No
28	GOM_TRA_1PNPDE20070107_032055_000000462054_00276_25380_6688.N1	07-JAN-2007 03:20:55	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	25380	No
29	GOM_TRA_1PNPDE20070107_032416_000000492054_00276_25380_6689.N1	07-JAN-2007 03:24:16	Dark	49.000	117	Pi Pup	2.7060	3800.0	98	25380	No
30	GOM_TRA_1PNPDE20070107_032658_000000442054_00276_25380_6690.N1	07-JAN-2007 03:26:58	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	25380	No
31	GOM_TRA_1PNPDE20070107_033047_000000482054_00276_25380_6691.N1	07-JAN-2007 03:30:47	Straylight	47.500	1	9Alp CMa	-1.4400	11000.	95	25380	No
32	GOM_TRA_1PNPDE20070107_033357_000000522054_00276_25380_6692.N1	07-JAN-2007 03:33:57	Straylight	51.500	7	19Bet Ori	0.10000	14000.	103	25380	No
33	GOM_TRA_1PNPDE20070107_033543_000000432054_00276_25380_6693.N1	07-JAN-2007 03:35:43	Straylight	43.000	30	46Eps Ori	1.6940	30000.	86	25380	No
34	GOM_TRA_1PNPDE20070107_033806_000000502054_00276_25380_6694.N1	07-JAN-2007 03:38:06	Twilight	49.500	14	58Alp Ori	0.87000	3000.0	99	25380	No
35	GOM_TRA_1PNPDE20070107_034203_000000372054_00276_25380_6695.N1	07-JAN-2007 03:42:03	Bright	37.000	176	23Zet Tau	3.0200	22000.	74	25380	No
36	GOM_TRA_1PNPDE20070107_034410_000000382054_00276_25380_6696.N1	07-JAN-2007 03:44:10	Bright	38.000	28	12Bet Tau	1.6500	15200.	76	25380	No
37	GOM_TRA_1PNPDE20070107_034534_000000372054_00276_25380_6697.N1	07-JAN-2007 03:45:34	Bright	37.000	114	3lot Aur	2.6930	4600.0	74	25380	No
38	GOM_TRA_1PNPDE20070107_034904_000000392054_00276_25380_6698.N1	07-JAN-2007 03:49:04	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	25380	No
39	GOM_TRA_1PNPDE20070107_040119_000000352054_00276_25380_6699.N1	07-JAN-2007 04:01:19	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	25380	No
40	GOM_TRA_1PNPDE20070107_040536_000000382054_00276_25380_6833.N1	07-JAN-2007 04:05:36	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	25380	No
41	GOM_TRA_1PNPDE20070107_040940_000000362054_00276_25380_6834.N1	07-JAN-2007 04:09:40	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	25380	No
42	GOM_TRA_1PNPDE20070107_041157_000000522054_00276_25380_6835.N1	07-JAN-2007 04:11:57	Bright	52.000	130	23Bet Dra	2.7990	5800.0	104	25380	No
43	GOM_TRA_1PNPDE20070107_041811_000000352054_00276_25380_6836.N1	07-JAN-2007 04:18:11	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	25380	No
44	GOM_TRA_1PNPDE20070107_042109_000000342054_00276_25380_6837.N1	07-JAN-2007 04:21:09	Bright	33.500	127	27Bet Her	2.7810	4700.0	67	25380	No
45	GOM_TRA_1PNPDE20070107_042614_000000382054_00276_25380_6838.N1	07-JAN-2007 04:26:14	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	25380	No
46	GOM_TRA_1PNPDE20070107_042828_000000352054_00276_25380_6839.N1	07-JAN-2007 04:28:28	Bright	34.500	120	1Del Oph	2.7340	3200.0	69	25380	No
47	GOM_TRA_1PNPDE20070107_043355_000000422054_00276_25380_6840.N1	07-JAN-2007 04:33:55	Twilight	42.000	80	7Del Sco	2.3160	30000.	84	25380	No
48	GOM_TRA_1PNPDE20070107_043921_000000402054_00276_25380_6841.N1	07-JAN-2007 04:39:21	Dark	39.500	131	Gam Lup	2.8000	26000.	79	25380	No

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



4. Overview of dark signal processing per product

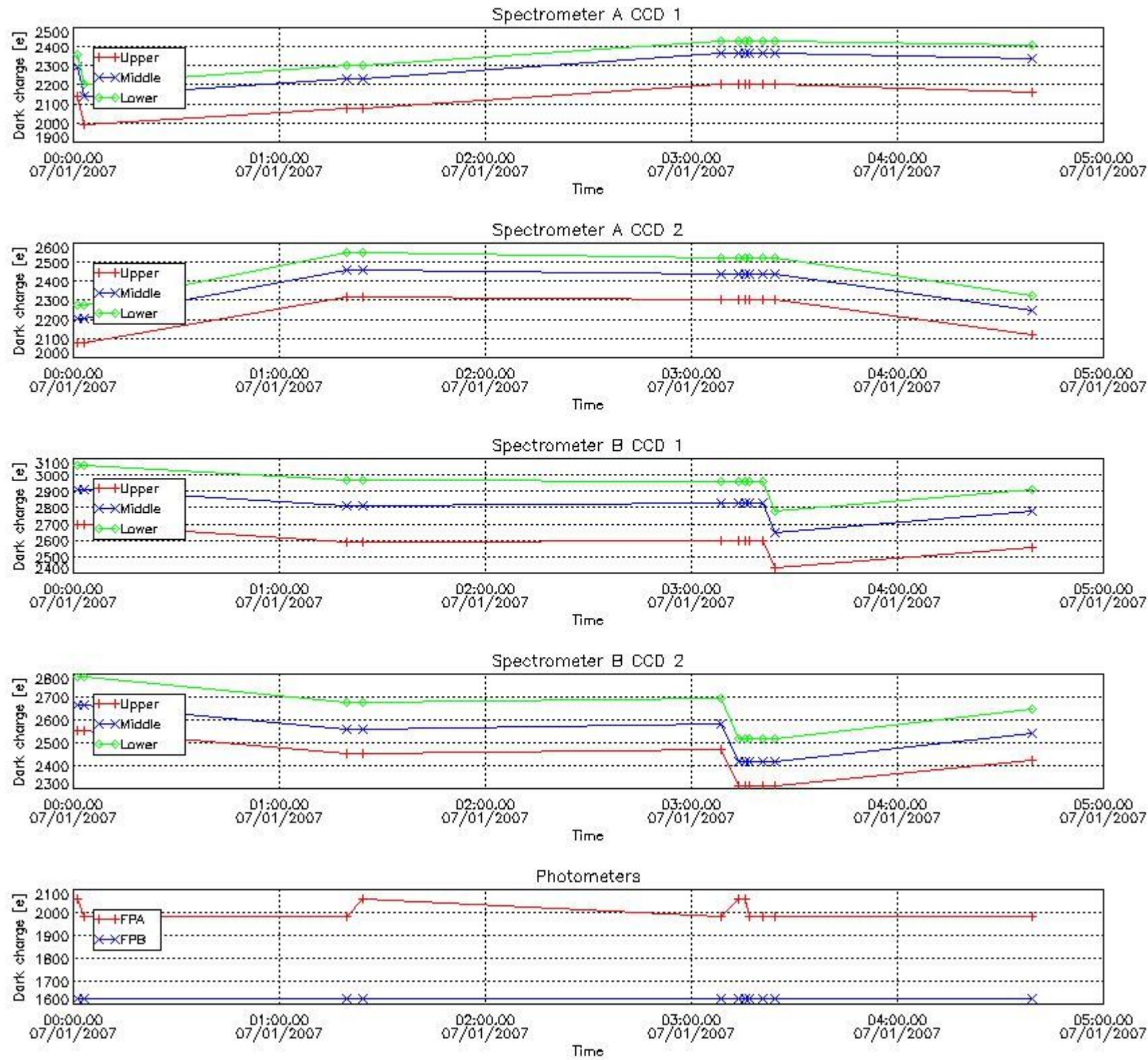
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20070107_011019_000000452054_00274_25378_6520.N1	DC map used
GOM_TRA_1PNPDE20070107_011243_000000412054_00274_25378_6521.N1	DC map used
GOM_TRA_1PNPDE20070107_011938_000000392054_00274_25378_6522.N1	DC map used
GOM_TRA_1PNPDE20070107_012407_000000442054_00275_25379_6523.N1	DC map used

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



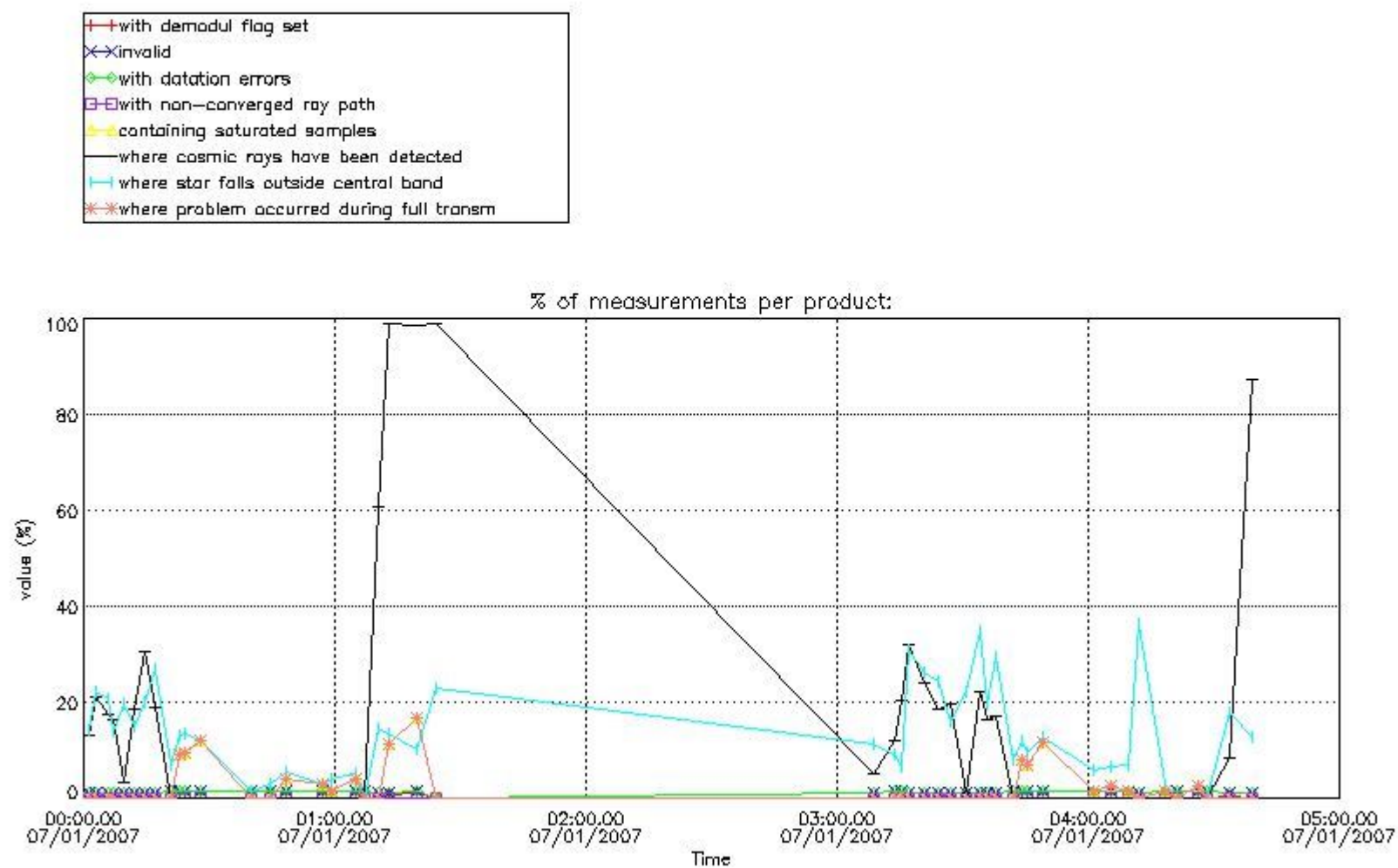
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

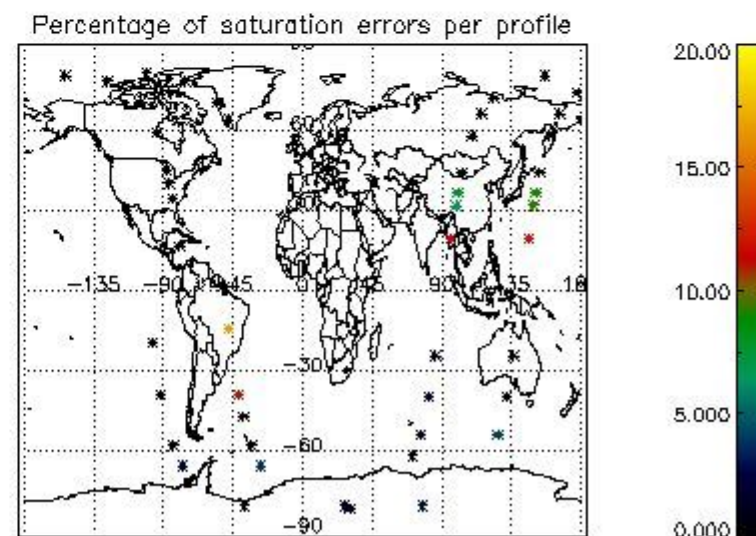
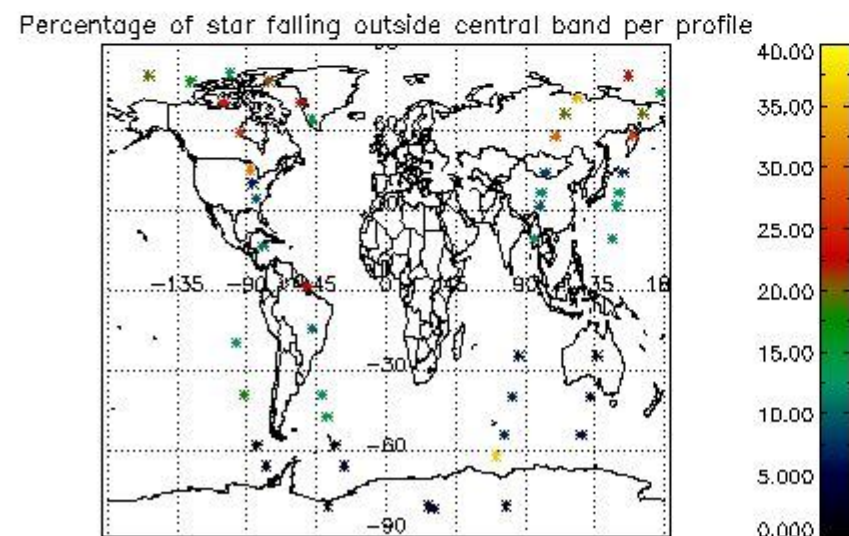
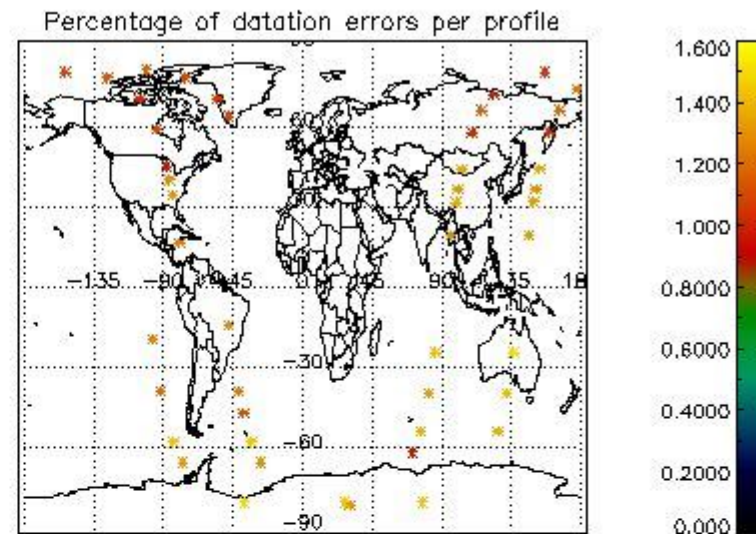
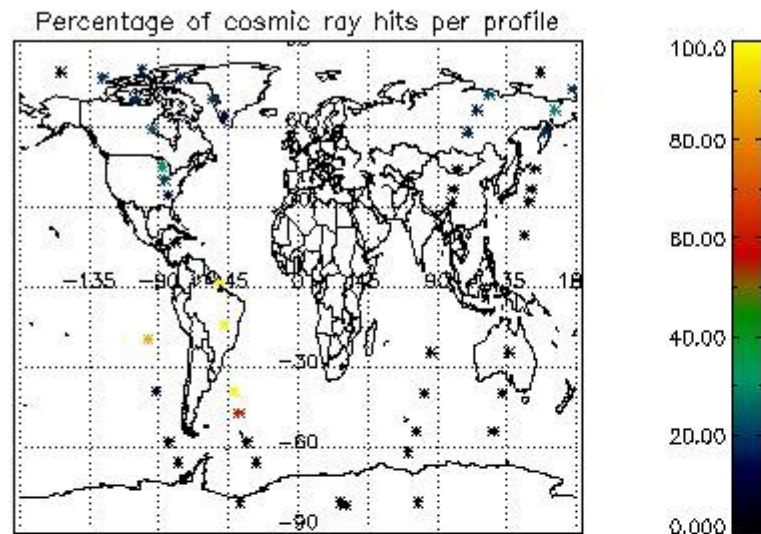
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	14.5833 %
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)



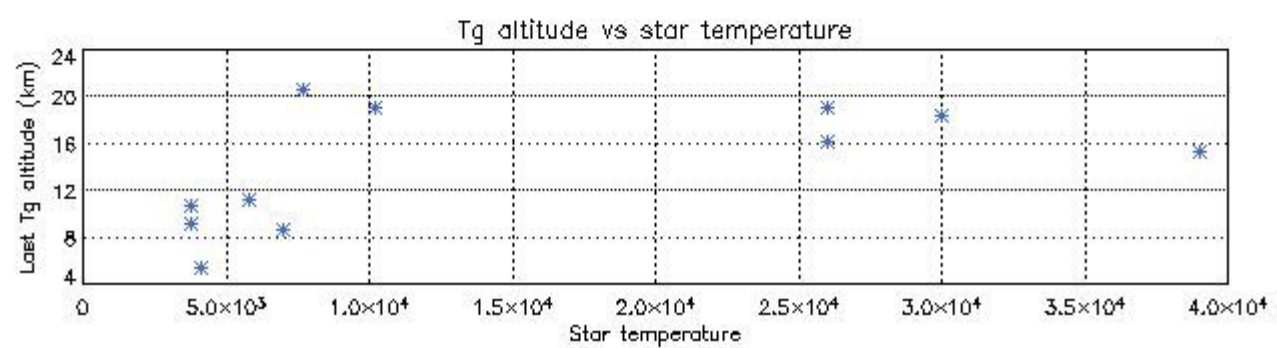
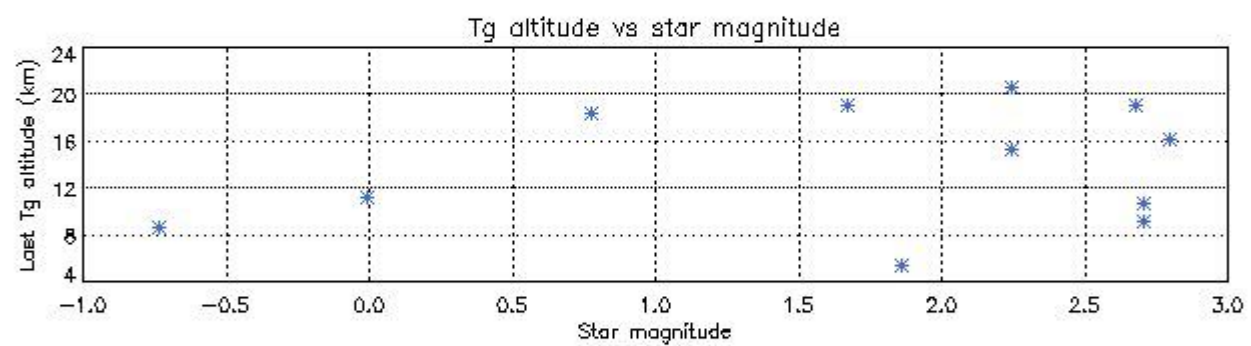
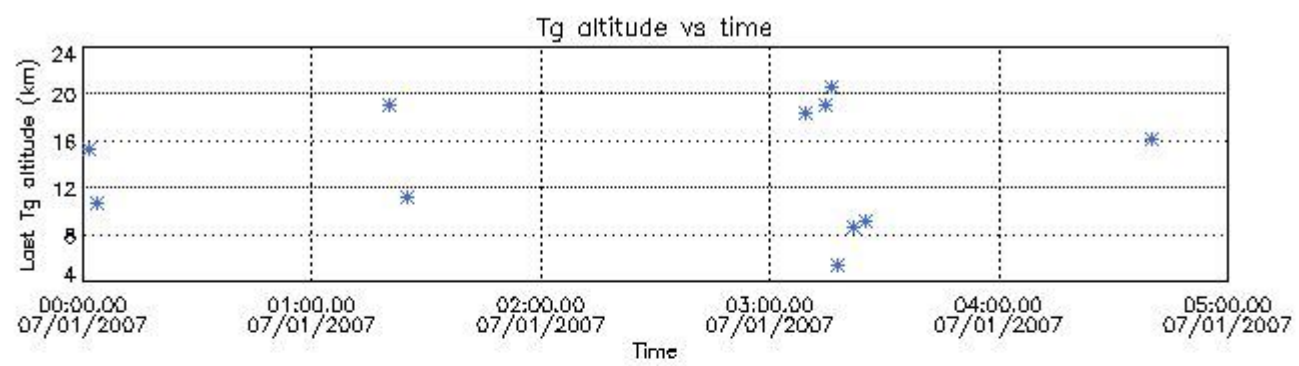
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.938	19.831	NaN
St. deviation:	5.1620	4.9564	NaN
Maximum:	20.588	26.290	NaN
Minimum:	5.4140	3.4569	NaN
Number of data:	11.000	24.000	NaN

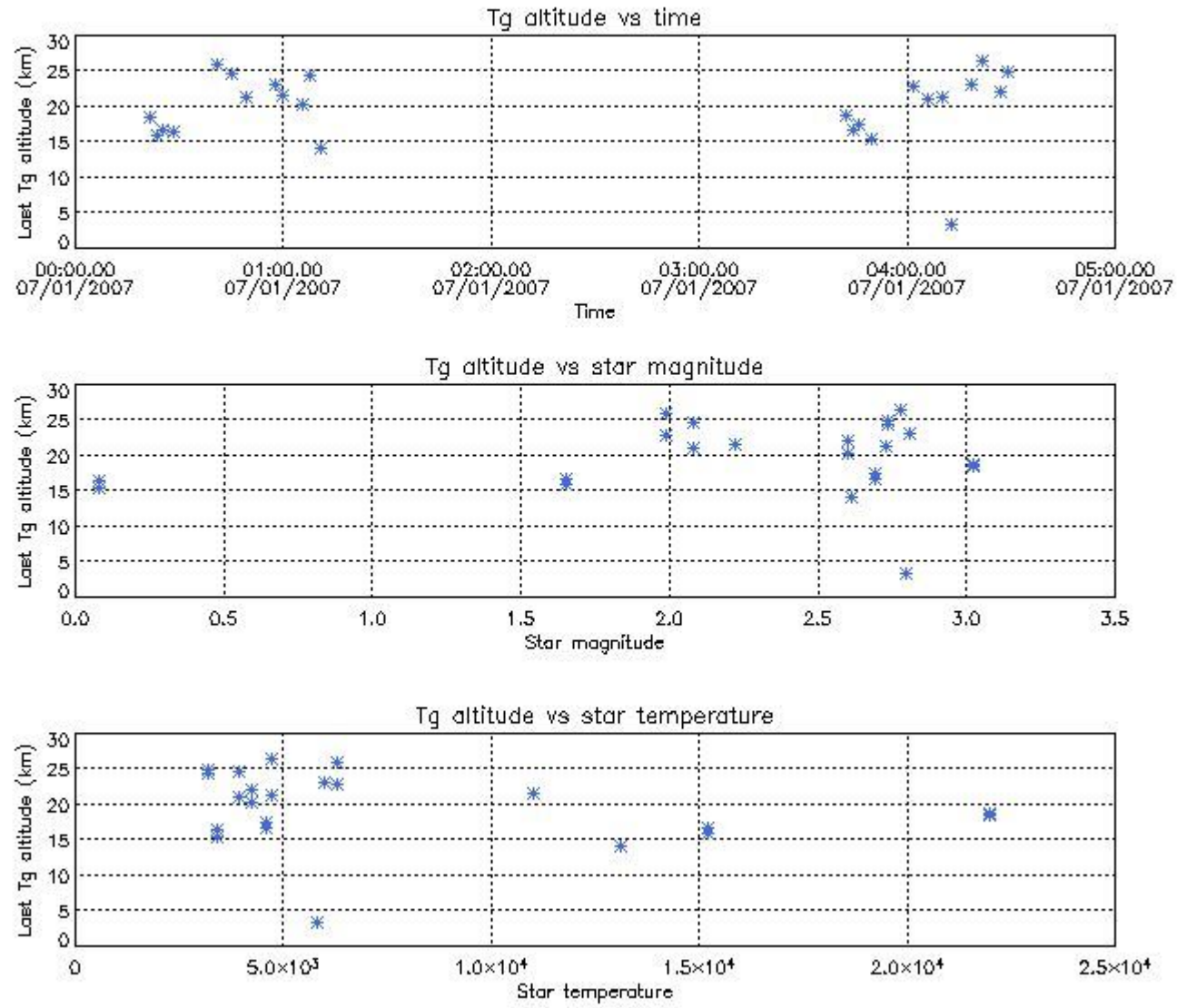
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

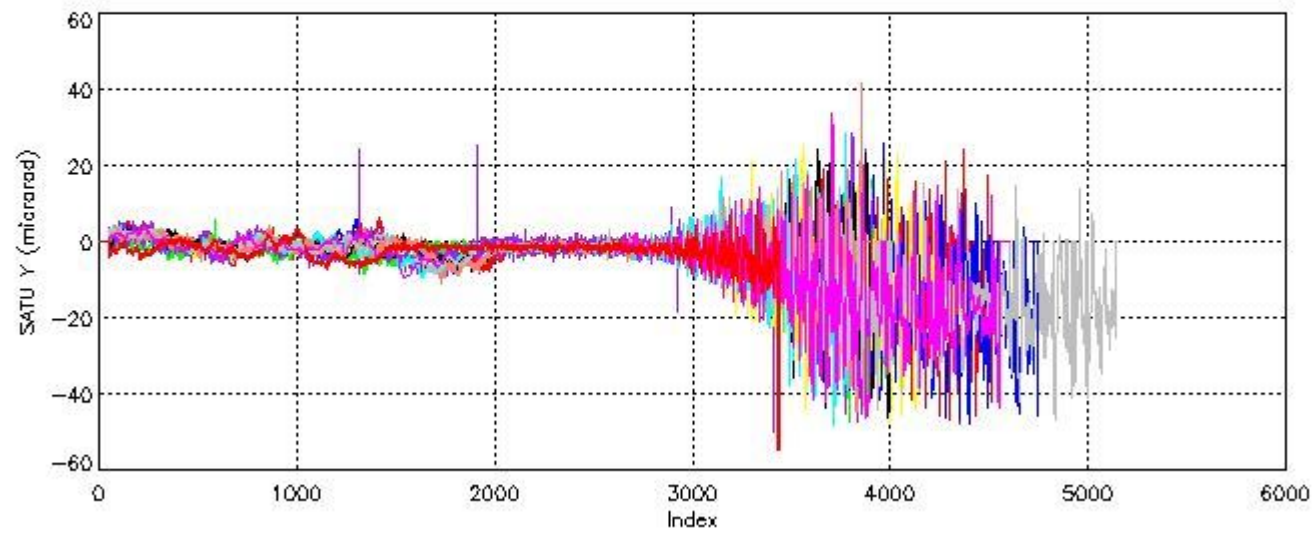
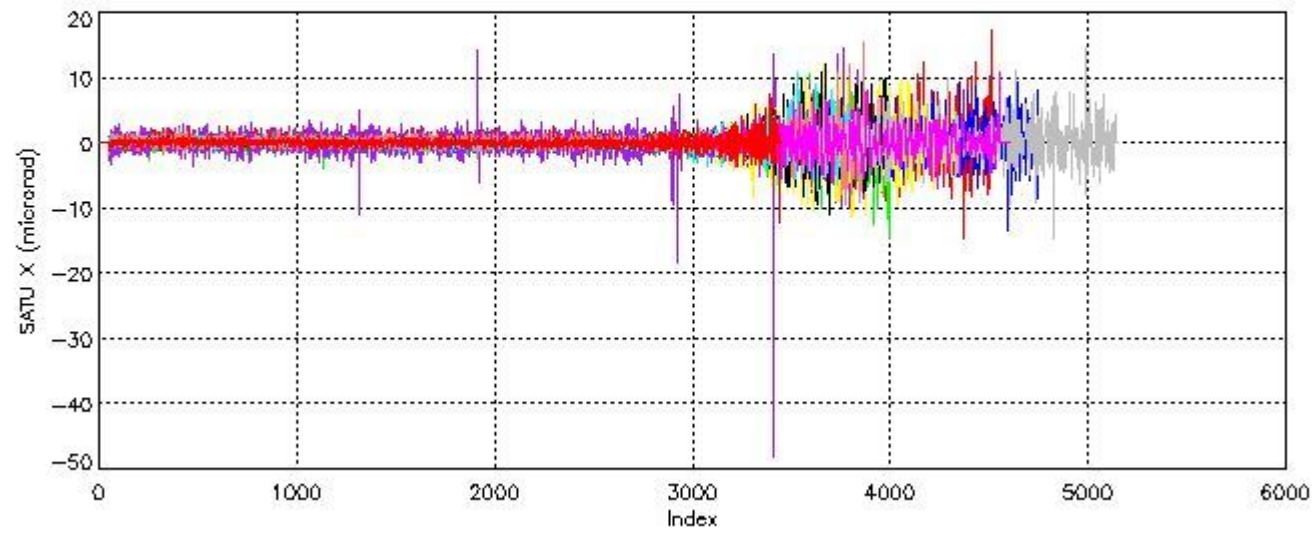


7. Star Acquisition and Tracking Unit (SATU)

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:	0.15947	-0.21405	0.059357	-0.98021
St. deviation:	0.46463	1.9344	0.63967	1.7832
Maximum:	3.4000	5.2000	4.3000	6.9000
Minimum:	-3.6000	-7.0000	-4.8000	-9.3000

Number of data:	10050.	10050.	19900.	19900.
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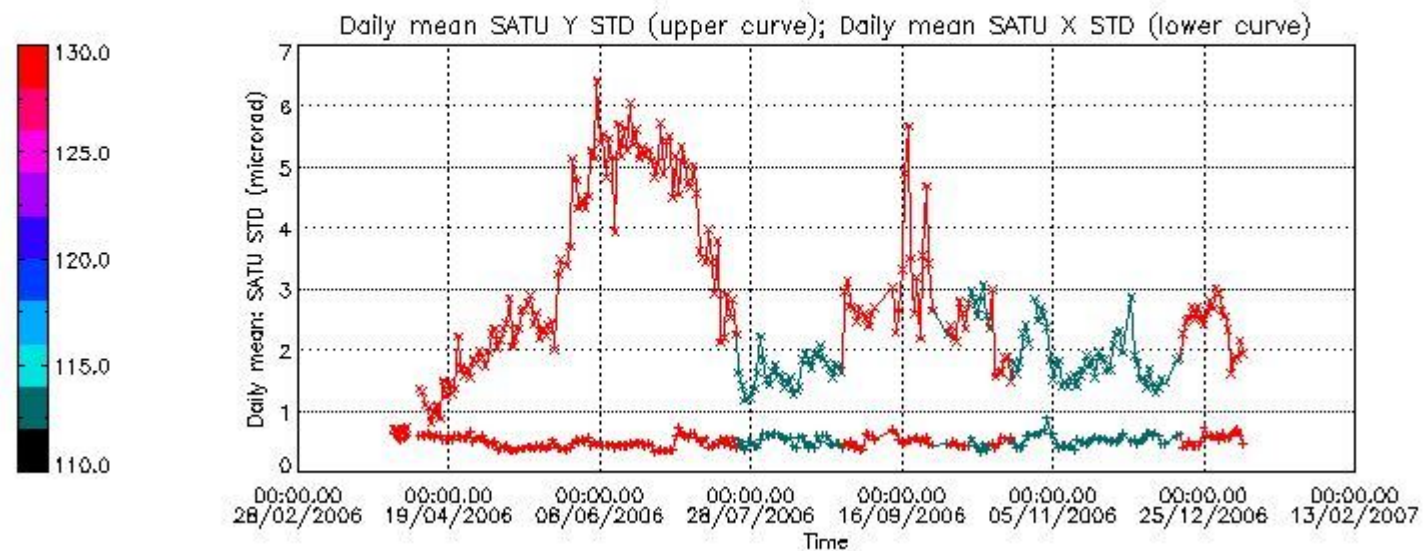
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

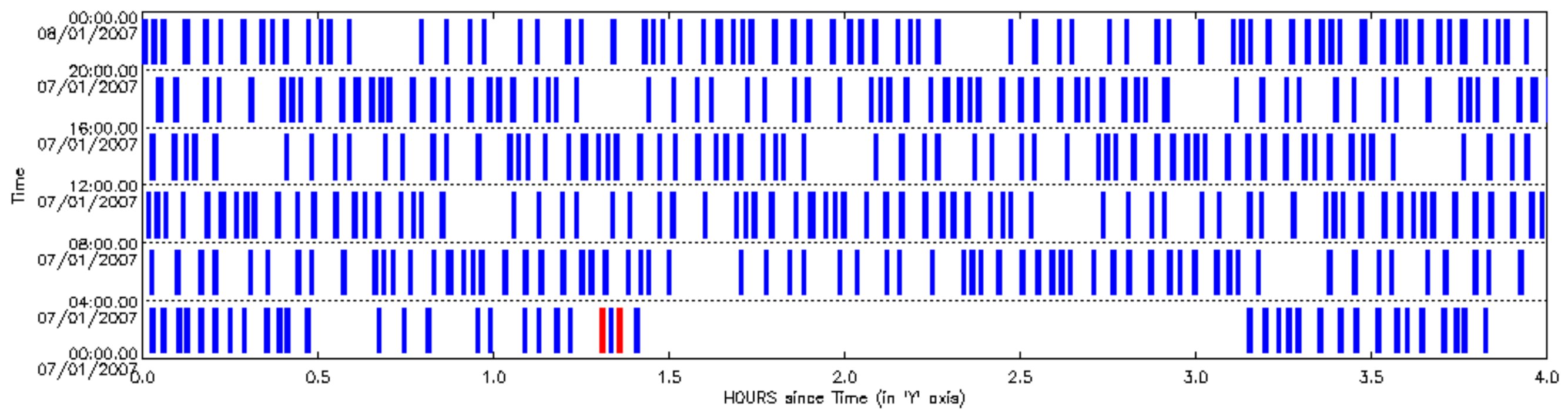
Lower curve: STD of SATU X axis

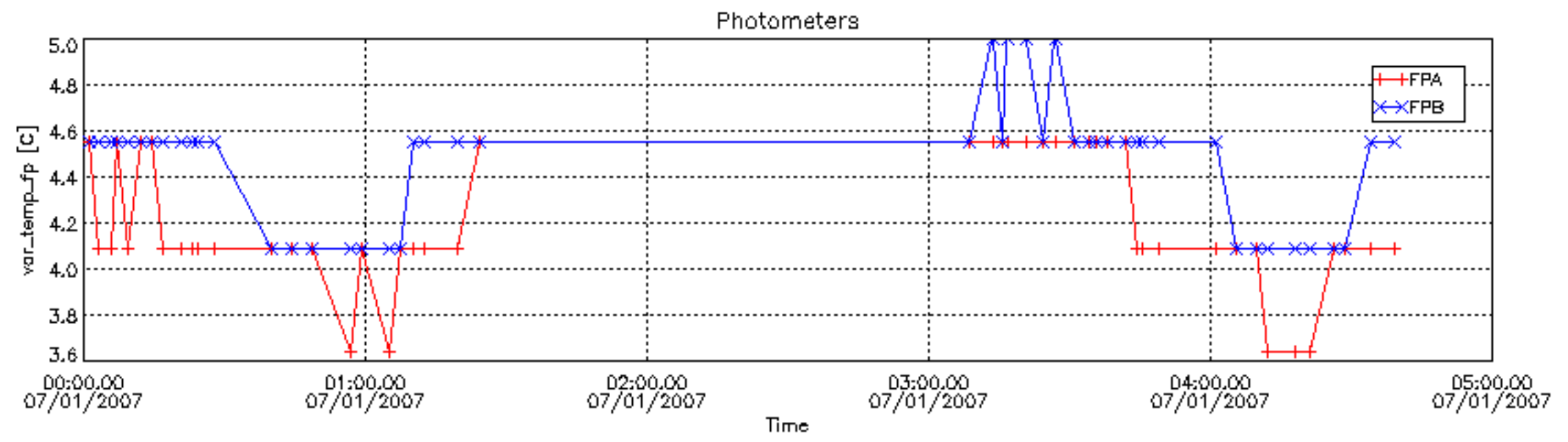
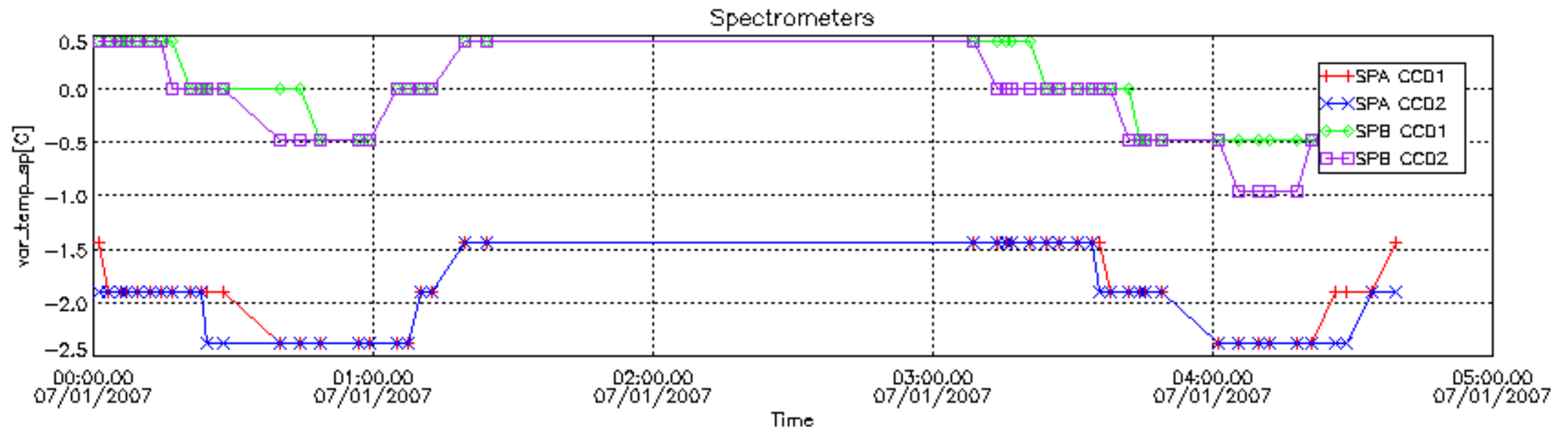


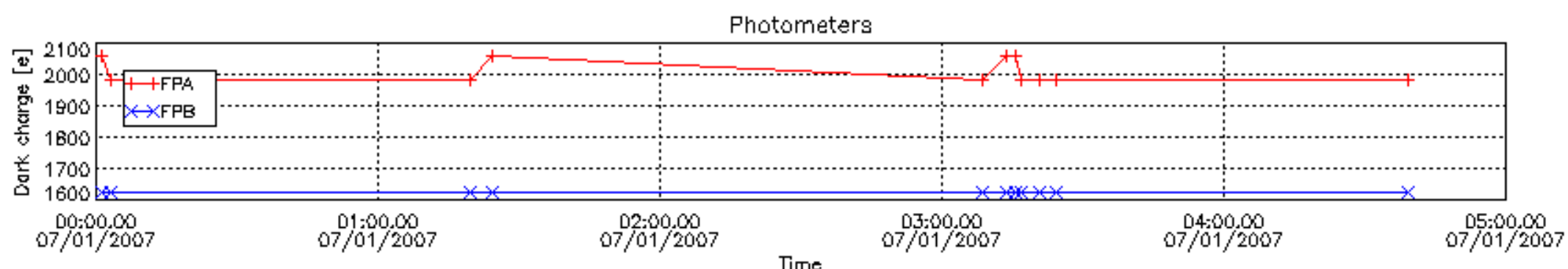
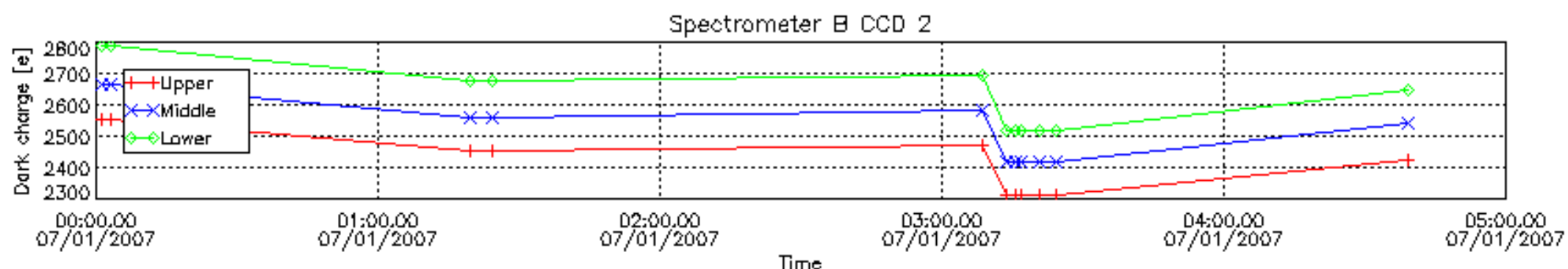
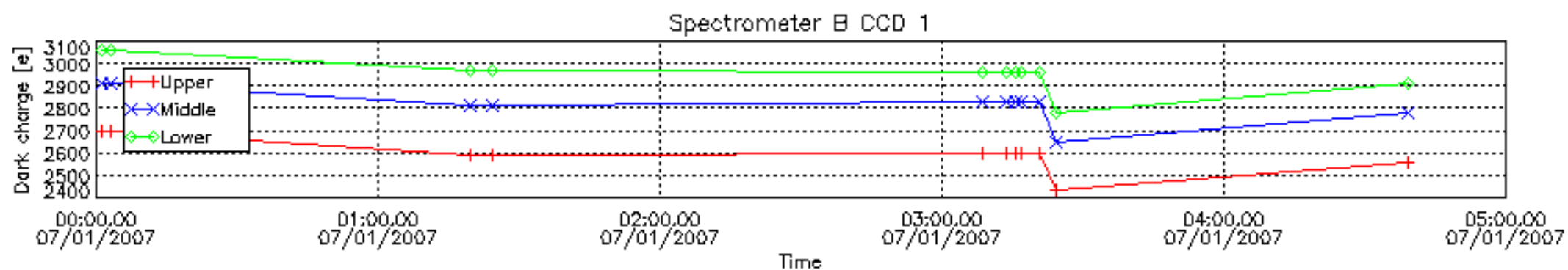
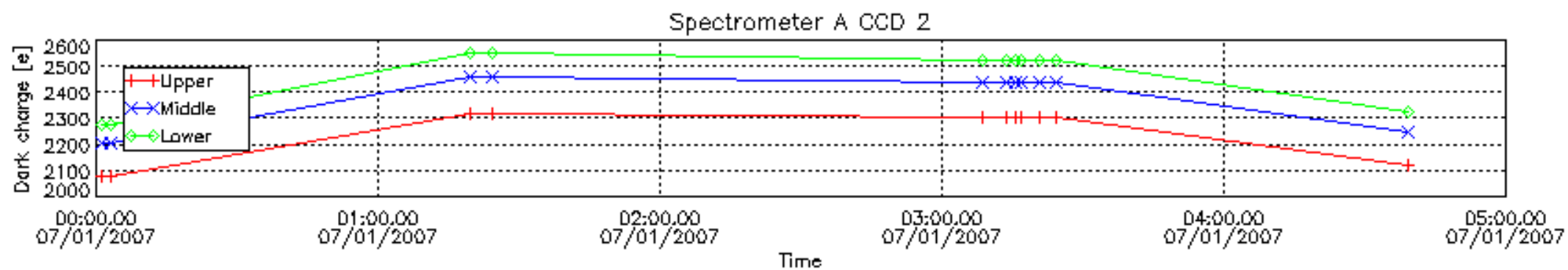
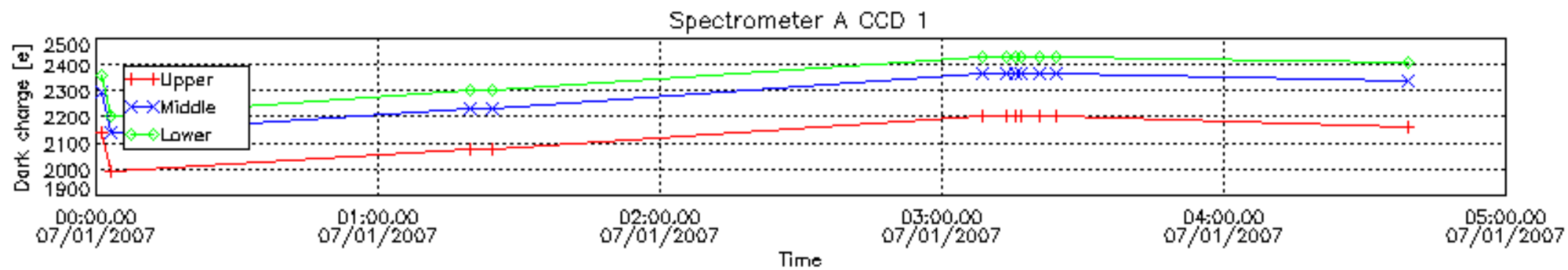
8. Auxiliary Data Files used for the production reported in section 2.4

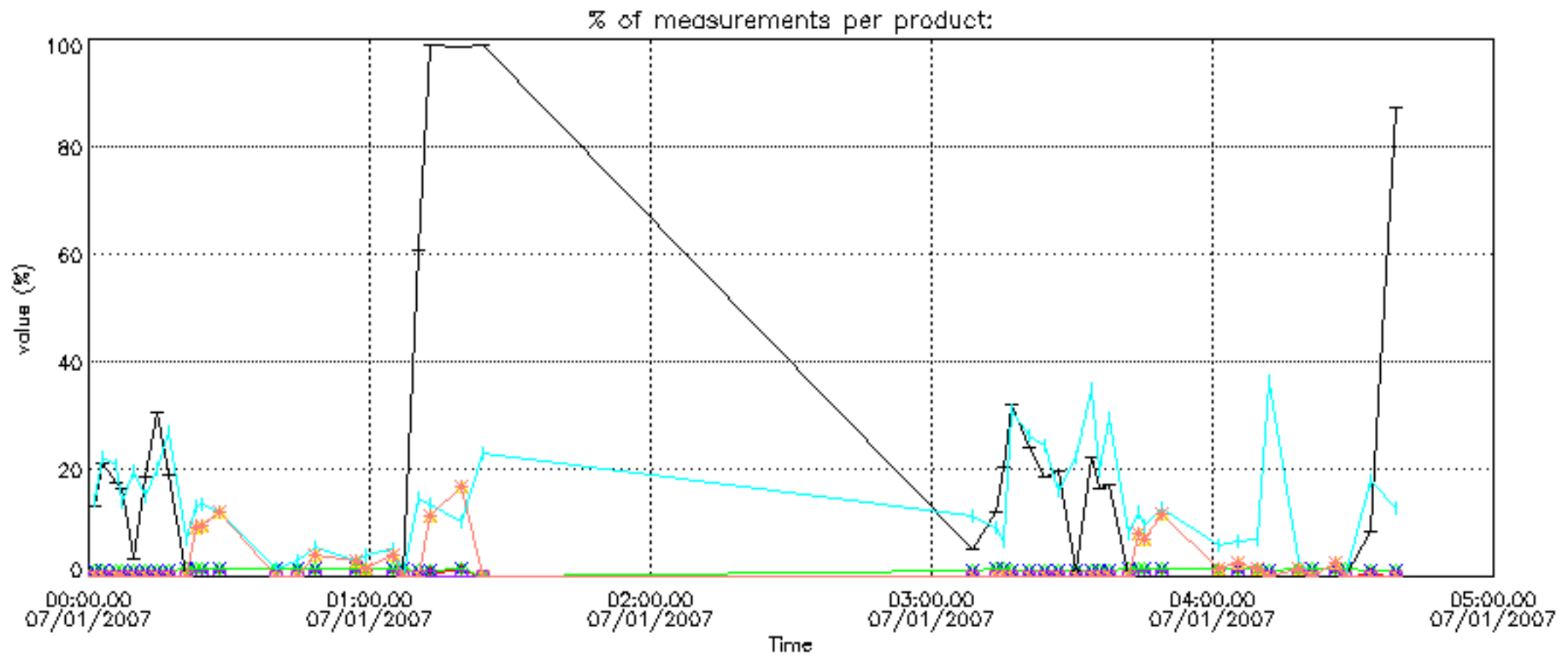
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	07-JAN-2007 00:01:10
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20070105_103648_20070104_000000_20100101_000000	1	07-JAN-2007 00:01:10
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	07-JAN-2007 00:01:10
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	07-JAN-2007 00:01:10
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	07-JAN-2007 00:01:10
ECMWF_FILE	AUX_ECF_AXNECM20070106_061849_20070106_210000_20070107_090000	1	07-JAN-2007 00:01:10
ECMWF_FILE	AUX_ECF_AXNECM20070106_181807_20070107_030000_20070107_150000	24	07-JAN-2007 03:08:49
OPTIONAL_ECMWF_FILE	MISSING	1	07-JAN-2007 00:01:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070106_214639_000057382054_00272_25376_2520.N1	1	07-JAN-2007 00:01:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070106_232736_000057382054_00273_25377_2521.N1	20	07-JAN-2007 01:10:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070107_010833_000038252054_00274_25378_2522.N1	24	07-JAN-2007 03:08:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070107_021737_000060572054_00275_25379_2523.N1	40	07-JAN-2007 04:05:36

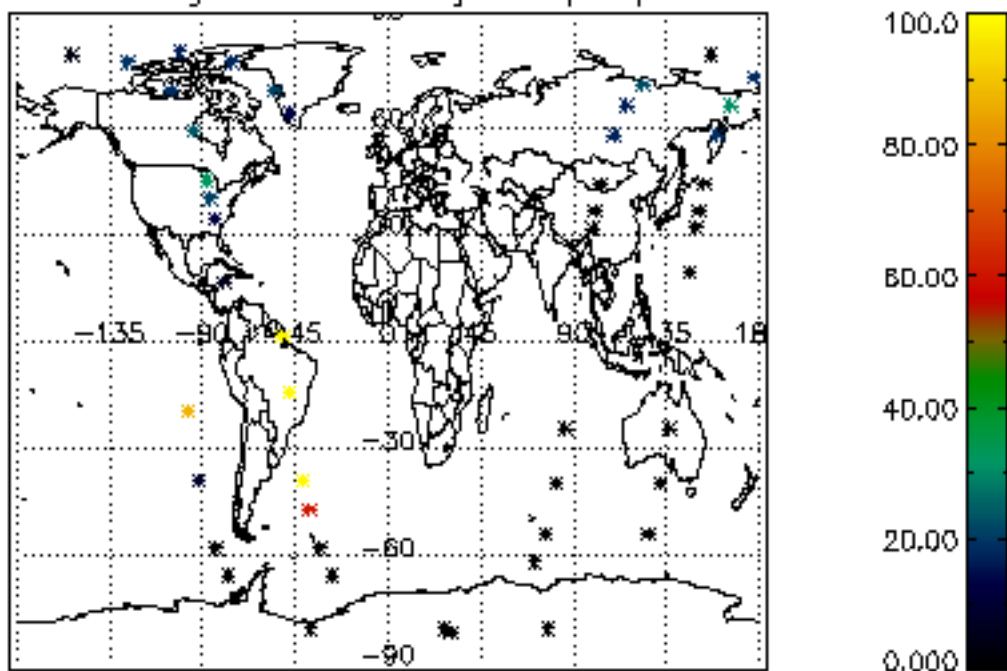




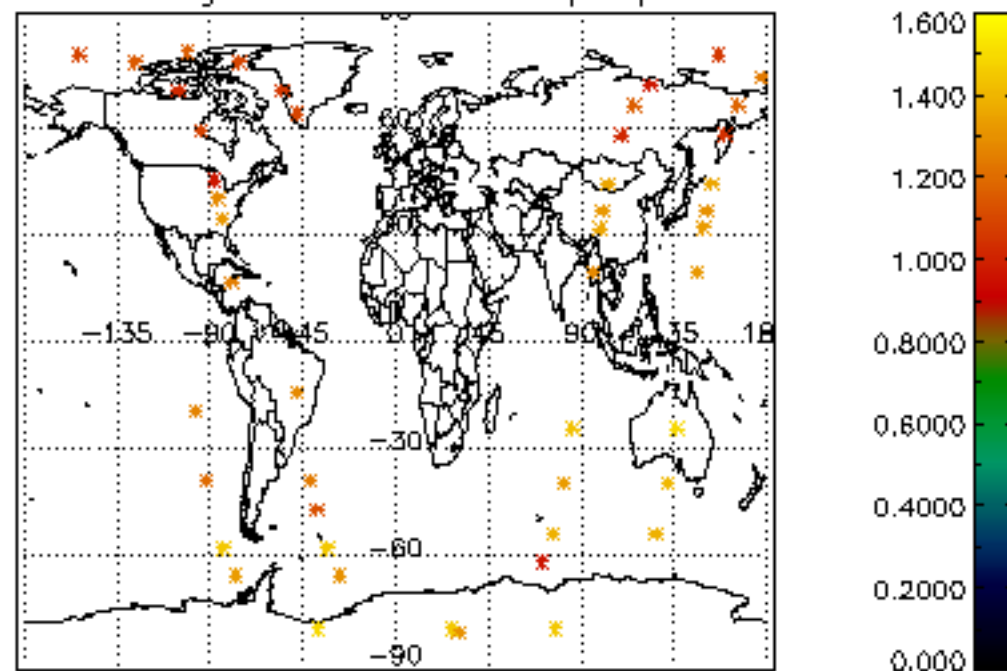




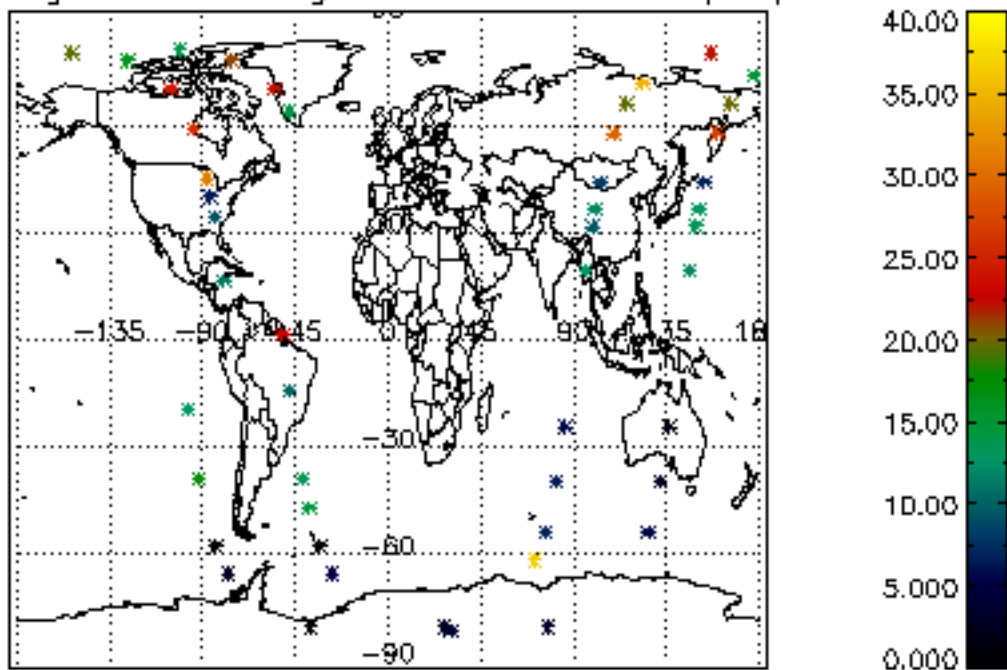
Percentage of cosmic ray hits per profile



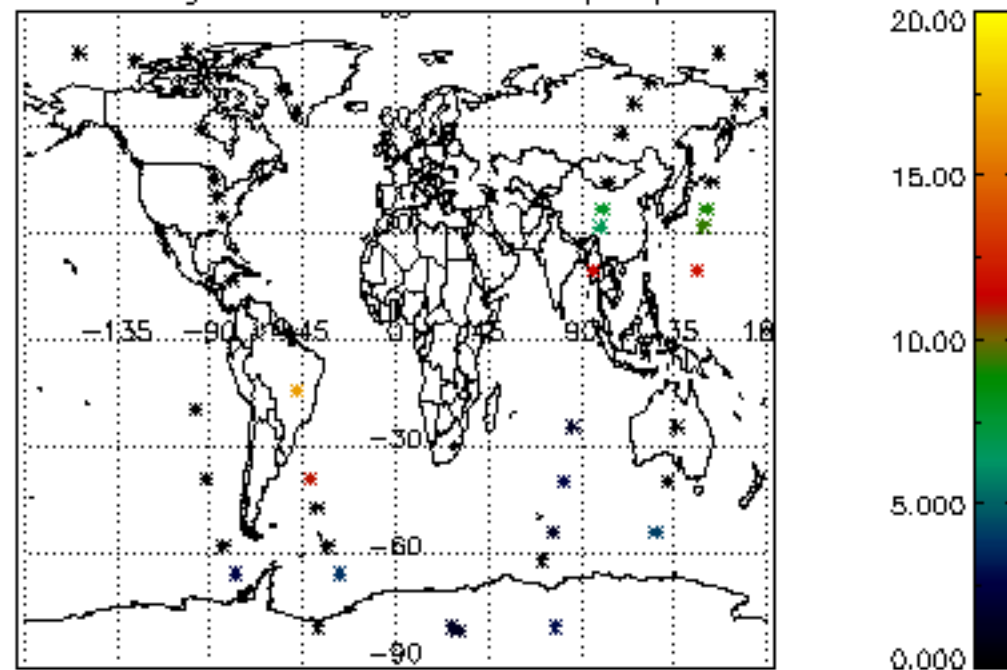
Percentage of datation errors per profile



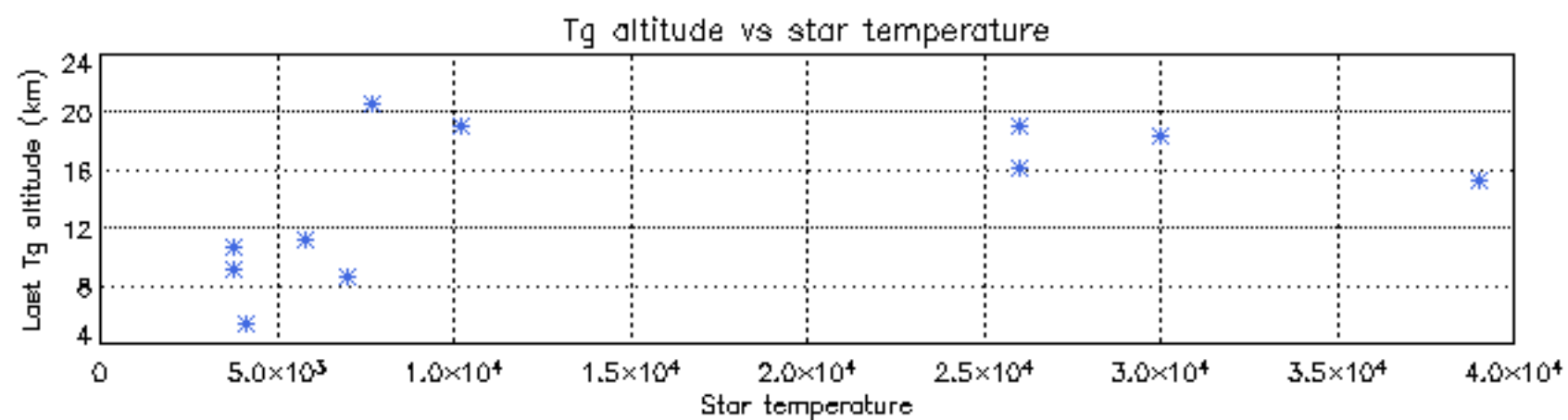
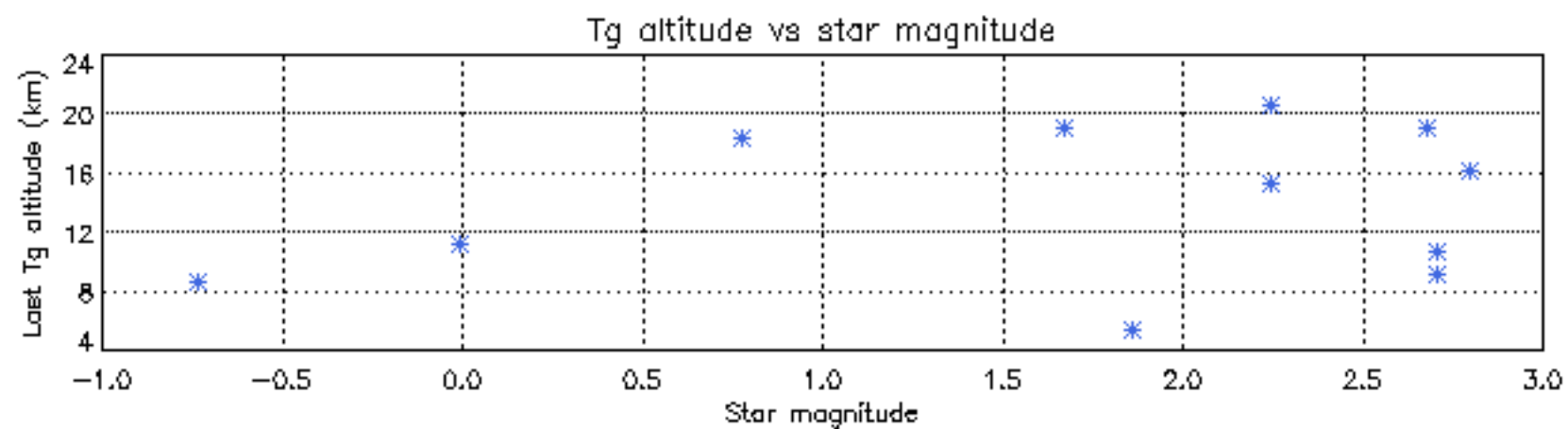
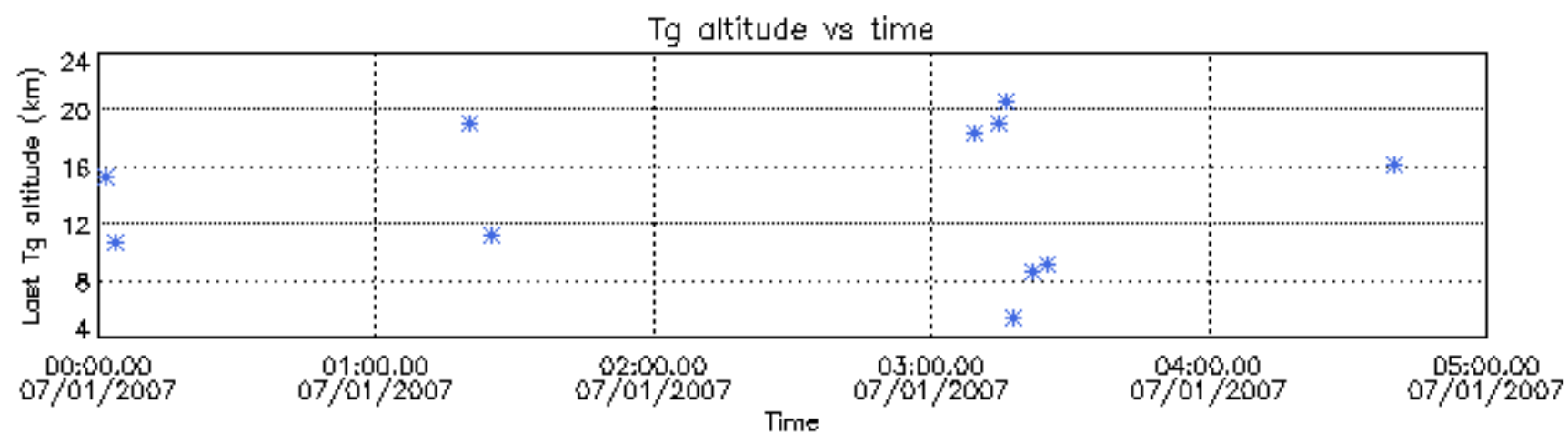
Percentage of star falling outside central band per profile



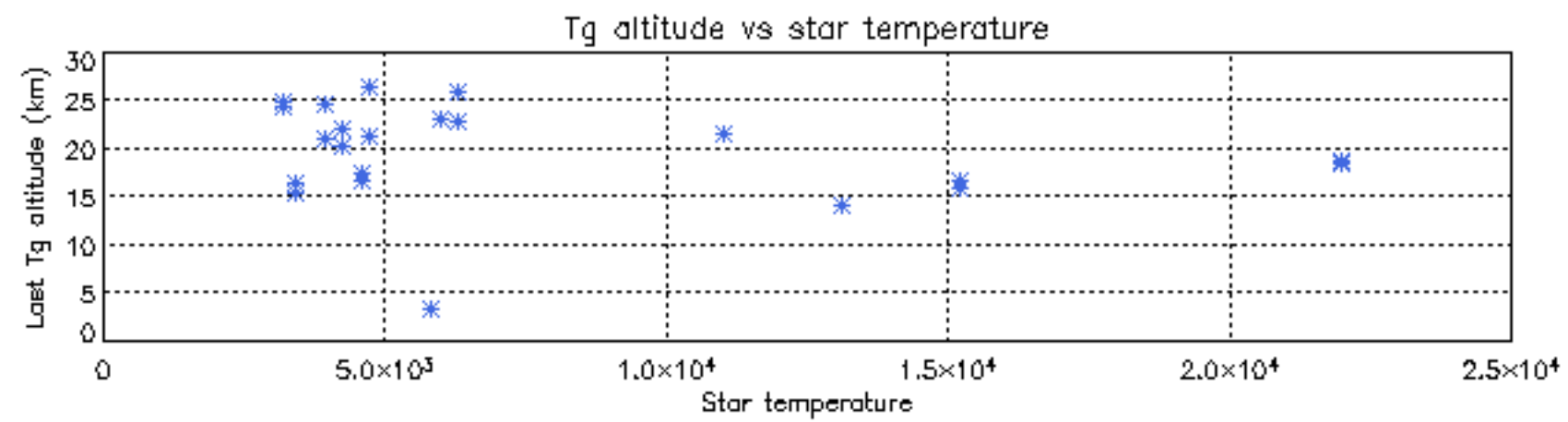
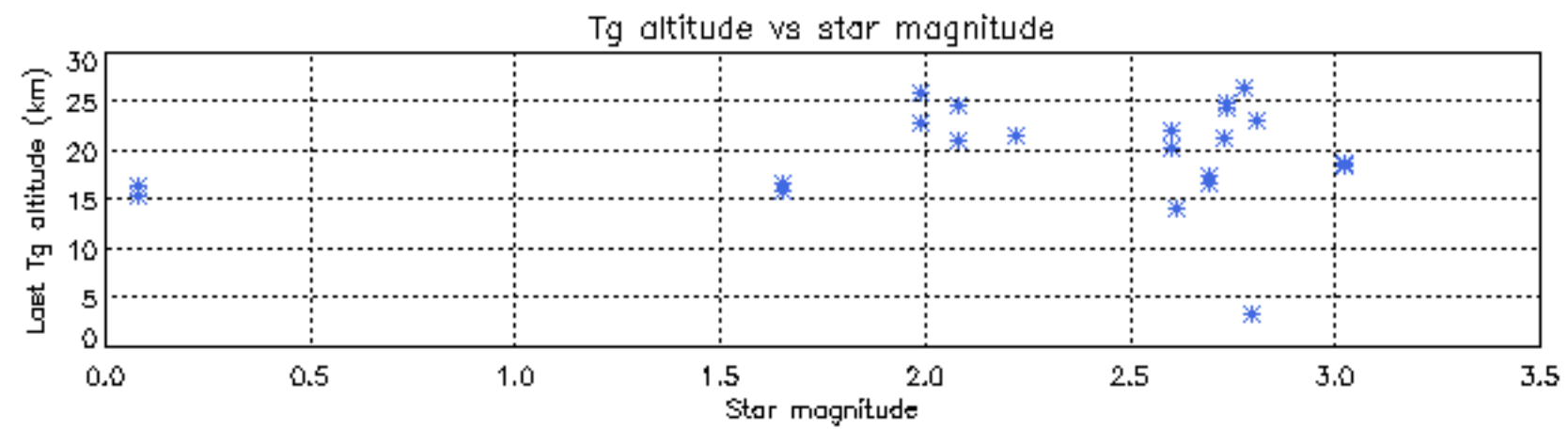
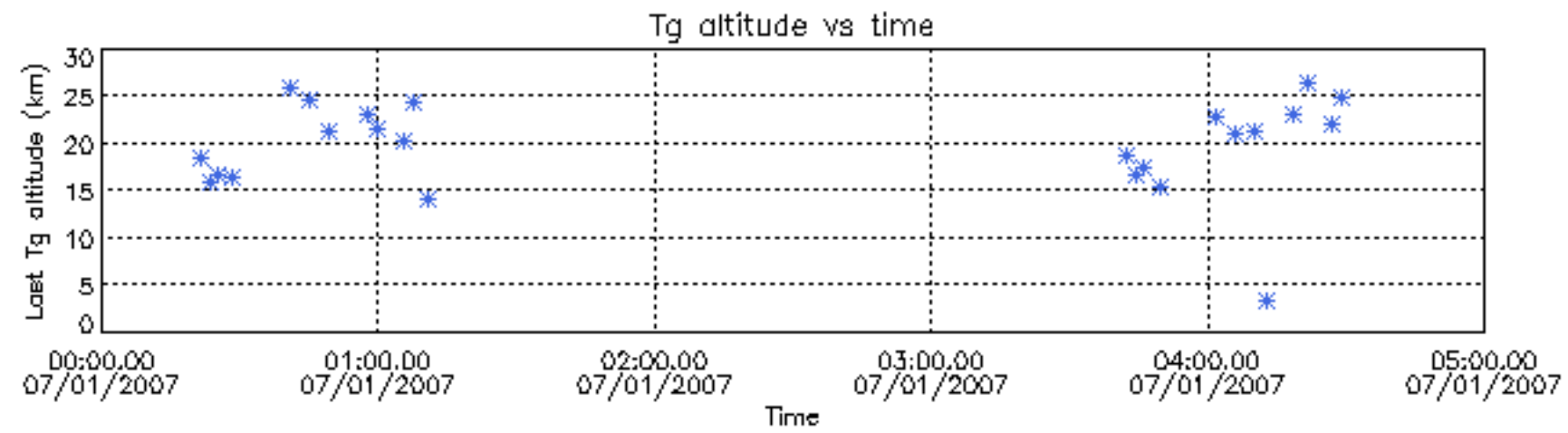
Percentage of saturation errors per profile

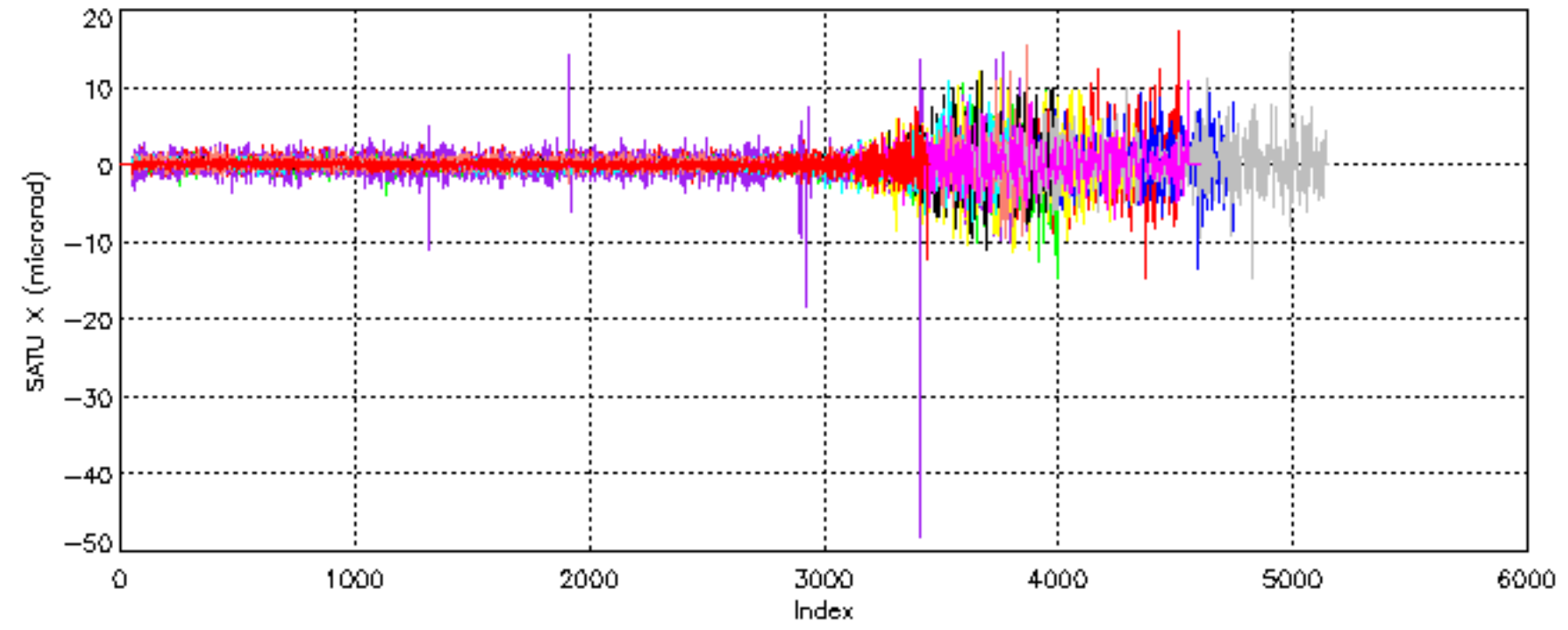


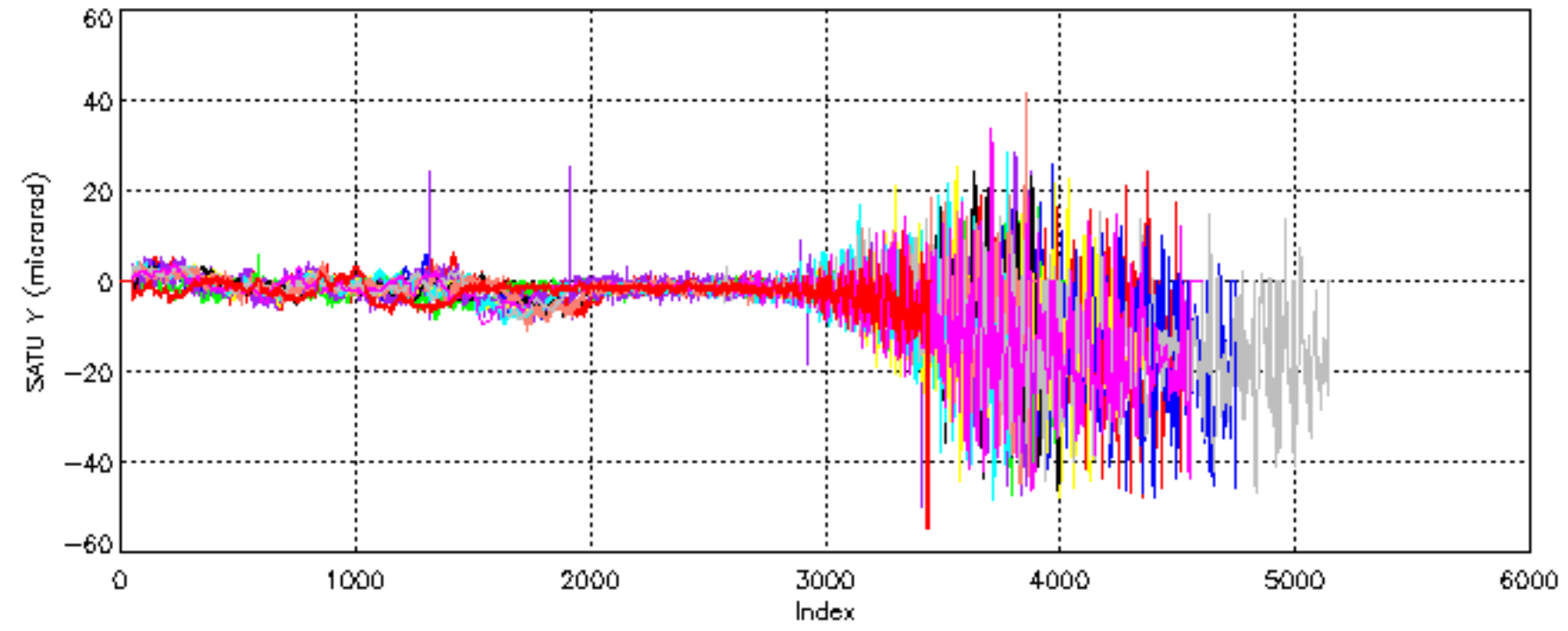
Tangent altitude at which the star is lost

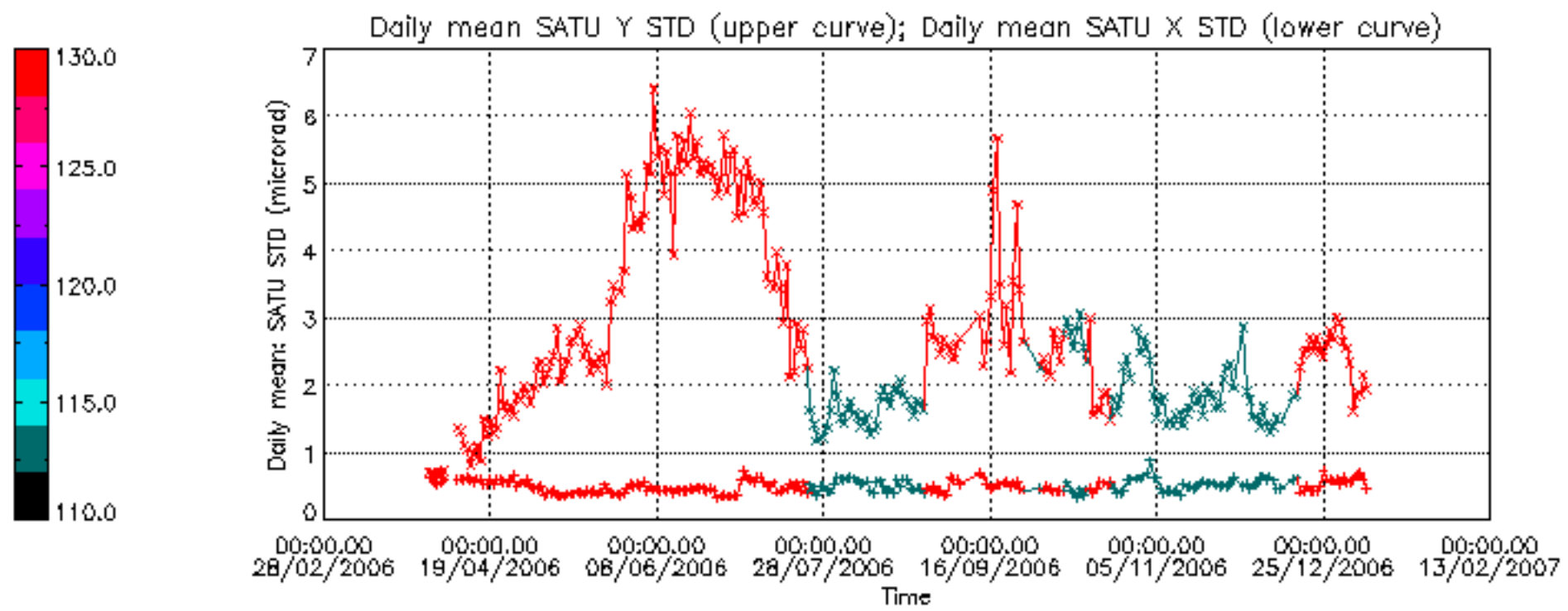


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20070101_010046_000043812054_00188_25292_2722.N1

1;	-684.5;	01-JAN-2007	01:00:46;	Dark	;	42.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	85;	0;	25292
2;	-193.3;	01-JAN-2007	01:08:57;	Dark	;	40.0;	78;	Alp Lup	;	2.30;	28000;	occ;	80;	0;	25292
3;	-105.1;	01-JAN-2007	01:10:25;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;	occ;	80;	0;	25292
4;	38.6;	01-JAN-2007	01:12:49;	Dark	;	42.0;	10;	Bet Cen	;	0.61;	28000;	occ;	84;	0;	25293
5;	228.2;	01-JAN-2007	01:15:58;	Dark	;	49.0;	12;	Alp1Cru	;	0.77;	30000;	occ;	98;	0;	25293
6;	429.2;	01-JAN-2007	01:19:19;	Dark	;	38.5;	124;	The Car	;	2.76;	30000;	occ;	77;	0;	25293
7;	546.4;	01-JAN-2007	01:21:17;	Dark	;	39.0;	29;	Bet Car	;	1.67;	10200;	occ;	78;	0;	25293
8;	629.3;	01-JAN-2007	01:22:40;	Dark	;	39.5;	71;	Iot Car	;	2.25;	7700;	occ;	79;	0;	25293
9;	731.4;	01-JAN-2007	01:24:22;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	25293
10;	978.2;	01-JAN-2007	01:28:28;	Dark	;	52.5;	2;	Alp Car	;	-0.74;	7000;	occ;	105;	0;	25293
11;	1171.6;	01-JAN-2007	01:31:42;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;	occ;	94;	0;	25293
12;	1340.2;	01-JAN-2007	01:34:30;	Dark	;	47.0;	23;	21Eps CMA	;	1.50;	26000;	occ;	94;	0;	25293
13;	1569.2;	01-JAN-2007	01:38:19;	Dark	;	43.0;	47;	2Bet CMA	;	1.98;	28000;	occ;	86;	0;	25293
14;	1769.4;	01-JAN-2007	01:41:40;	Dark	;	45.0;	7;	19Bet Ori	;	0.10;	14000;	occ;	90;	0;	25293
15;	1881.5;	01-JAN-2007	01:43:32;	Dark	;	42.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	85;	0;	25293
16;	2033.3;	01-JAN-2007	01:46:04;	Dark	;	52.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	105;	0;	25293
17;	2271.5;	01-JAN-2007	01:50:02;	Bright;		37.5;	176;	23Zet Tau	;	3.02;	22000;	occ;	75;	0;	25293
18;	2397.8;	01-JAN-2007	01:52:08;	Bright;		38.5;	28;	12Bet Tau	;	1.65;	15200;	occ;	77;	0;	25293
19;	2472.5;	01-JAN-2007	01:53:23;	Bright;		38.0;	114;	3Iot Aur	;	2.69;	4600;	occ;	76;	0;	25293
20;	2568.2;	01-JAN-2007	01:54:58;	Bright;		37.5;	107;	37The Aur	;	2.65;	11000;	occ;	75;	0;	25293
21;	2693.1;	01-JAN-2007	01:57:03;	Bright;		41.0;	6;	13Alp Aur	;	0.08;	3400;	occ;	82;	0;	25293
22;	3423.2;	01-JAN-2007	02:09:13;	Bright;		34.0;	49;	1Alp UMi	;	1.99;	6300;	occ;	68;	0;	25293
23;	3691.3;	01-JAN-2007	02:13:42;	Bright;		5.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	11;	0;	25293

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1;	-2344.6;	01-JAN-2007	02:13:42;	Bright;		37.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	75;	0;	25293
2;	-2114.0;	01-JAN-2007	02:17:32;	Bright;		36.0;	119;	14Eta Dra	;	2.73;	4700;	occ;	72;	0;	25293
3;	-1490.4;	01-JAN-2007	02:27:56;	Bright;		37.0;	67;	5Alp CrB	;	2.22;	11000;	occ;	74;	0;	25293
4;	-1146.0;	01-JAN-2007	02:33:40;	Bright;		35.5;	102;	24Alp Ser	;	2.60;	4250;	occ;	71;	0;	25293
5;	-842.6;	01-JAN-2007	02:38:44;	Bright;		37.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	74;	0;	25293
6;	-281.2;	01-JAN-2007	02:48:05;	Dark	;	38.0;	109;	Bet Lup	;	2.68;	26000;	occ;	76;	0;	25293
7;	-192.8;	01-JAN-2007	02:49:33;	Dark	;	37.5;	78;	Alp Lup	;	2.30;	28000;	occ;	75;	0;	25293
8;	-104.3;	01-JAN-2007	02:51:02;	Dark	;	39.0;	95;	Zet Cen	;	2.55;	26000;	occ;	78;	0;	25293
9;	39.0;	01-JAN-2007	02:53:25;	Dark	;	46.5;	10;	Bet Cen	;	0.61;	28000;	occ;	93;	0;	25294
10;	228.9;	01-JAN-2007	02:56:35;	Dark	;	41.5;	12;	Alp1Cru	;	0.77;	30000;	occ;	83;	0;	25294
11;	429.7;	01-JAN-2007	02:59:56;	Dark	;	38.5;	124;	The Car	;	2.76;	30000;	occ;	77;	0;	25294
12;	547.0;	01-JAN-2007	03:01:53;	Dark	;	38.5;	29;	Bet Car	;	1.67;	10200;	occ;	77;	0;	25294
13;	629.9;	01-JAN-2007	03:03:16;	Dark	;	41.5;	71;	Iot Car	;	2.25;	7700;	occ;	83;	0;	25294
14;	732.0;	01-JAN-2007	03:04:58;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	25294
15;	978.5;	01-JAN-2007	03:09:05;	Dark	;	44.0;	2;	Alp Car	;	-0.74;	7000;	occ;	88;	0;	25294
16;	1172.1;	01-JAN-2007	03:12:18;	Dark	;	44.5;	117;	Pi Pup	;	2.71;	3800;	occ;	89;	0;	25294
17;	1340.5;	01-JAN-2007	03:15:07;	Dark	;	44.5;	23;	21Eps CMA	;	1.50;	26000;	occ;	89;	0;	25294
18;	1569.2;	01-JAN-2007	03:18:55;	Dark	;	44.5;	47;	2Bet CMA	;	1.98;	28000;	occ;	89;	0;	25294
19;	1769.6;	01-JAN-2007	03:22:16;	Dark	;	45.0;	7;	19Bet Ori	;	0.10;	14000;	occ;	90;	0;	25294
20;	1881.5;	01-JAN-2007	03:24:08;	Dark	;	42.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	85;	0;	25294
21;	2033.2;	01-JAN-2007	03:26:39;	Dark	;	51.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	103;	0;	25294
22;	2271.5;	01-JAN-2007	03:30:38;	Bright;		38.5;	176;	23Zet Tau	;	3.02;	22000;	occ;	77;	0;	25294
23;	2397.7;	01-JAN-2007	03:32:44;	Bright;		38.0;	28;	12Bet Tau	;	1.65;	15200;	occ;	76;	0;	25294
24;	2472.6;	01-JAN-2007	03:33:59;	Bright;		37.5;	114;	3Iot Aur	;	2.69;	4600;	occ;	75;	0;	25294
25;	2567.8;	01-JAN-2007	03:35:34;	Bright;		37.5;	107;	37The Aur	;	2.65;	11000;	occ;	75;	0;	25294
26;	2693.1;	01-JAN-2007	03:37:39;	Bright;		39.0;	6;	13Alp Aur	;	0.08;	3400;	occ;	78;	0;	25294
27;	3423.2;	01-JAN-2007	03:49:49;	Bright;		34.5;	49;	1Alp UMi	;	1.99;	6300;	occ;	69;	0;	25294

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1;	-2344.7;	01-JAN-2007	03:54:17;	Bright;		38.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	77;	0;	25294
2;	-2114.0;	01-JAN-2007	03:58:08;	Bright;		36.5;	119;	14Eta Dra	;	2.73;	4700;	occ;	73;	0;	25294
3;	-1614.0;	01-JAN-2007	04:06:28;	Bright;		28.0;	133;	40Zet Her	;	2.81;	6000;	occ;	56;	0;	25294
4;	-1490.3;	01-JAN-2007	04:08:32;	Bright;		36.0;	67;	5Alp CrB	;	2.22;	11000;	occ;	72;	0;	25294
5;	-1145.6;	01-JAN-2007	04:14:17;	Bright;		35.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	70;	0;	25294
6;	-842.4;	01-JAN-2007	04:19:20;	Bright;		55.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	110;	0;	25294
7;	-683.3;	01-JAN-2007	04:21:59;	Dark	;	42.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	84;	0;	25294
8;	-280.8;	01-JAN-2007	04:28:41;	Dark	;	38.0;	109;	Bet Lup	;	2.68;	26000;	occ;	76;	0;	25294
9;	-192.3;	01-JAN-2007	04:30:10;	Dark	;	38.0;	78;	Alp Lup	;	2.30;	28000;	occ;	76;	0;	25294
10;	-103.8;	01-JAN-2007	04:31:38;	Dark	;	39.5;	95;	Zet Cen	;	2.55;	26000;	occ;	79;	0;	25294
11;	39.4;	01-JAN-2007	04:34:02;	Dark	;	49.5;	10;	Bet Cen	;	0.61;	28000;	occ;	99;	0;	25295
12;	229.3;	01-JAN-2007	04:37:11;	Dark	;	46.0;	12;	Alp1Cru	;	0.77;	30000;	occ;	92;	0;	25295
13;	430.3;	01-JAN-2007	04:40:32;	Dark	;	37.5;	124;	The Car	;	2.76;	30000;	occ;	75;	0;	25295
14;	547.2;	01-JAN-2007	04:42:29;	Dark	;	38.5;	29;	Bet Car	;	1.67;	10200;	occ;	77;	0;	25295
15;	630.4;	01-JAN-2007	04:43:53;	Dark	;	40.0;	71;	Iot Car	;	2.25;	7700;	occ;	80;	0;	25295

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16; 732.5; 01-JAN-2007 04:45:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25295
17; 978.8; 01-JAN-2007 04:49:41; Dark ; 50.5; 2; Alp Car ;-0.74; 7000;occ; 101; 0;25295
18; 1172.4; 01-JAN-2007 04:52:55; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;25295
19; 1340.8; 01-JAN-2007 04:55:43; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;25295
20; 1569.4; 01-JAN-2007 04:59:32; Dark ; 43.5; 47; 2Bet CMA ; 1.98; 28000;occ; 87; 0;25295
21; 1769.7; 01-JAN-2007 05:02:52; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;25295
22; 1881.5; 01-JAN-2007 05:04:44; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;25295
23; 2033.2; 01-JAN-2007 05:07:15; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;25295
24; 2271.4; 01-JAN-2007 05:11:14; Bright; 37.5; 176; 23Zet Tau ; 3.02; 22000;occ; 75; 0;25295
25; 2397.7; 01-JAN-2007 05:13:20; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;25295
26; 2472.7; 01-JAN-2007 05:14:35; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;25295
27; 2567.6; 01-JAN-2007 05:16:10; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;25295
28; 2693.0; 01-JAN-2007 05:18:15; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;25295
29; 3423.2; 01-JAN-2007 05:30:25; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;25295
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1; -2344.9; 01-JAN-2007 05:34:53; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;25295
2; -2114.0; 01-JAN-2007 05:38:44; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;25295
3; -1614.0; 01-JAN-2007 05:47:04; Bright; 28.0; 133; 40Zet Her ; 2.81; 6000;occ; 56; 0;25295
4; -1490.2; 01-JAN-2007 05:49:08; Bright; 35.5; 67; 5Alp CrB ; 2.22; 11000;occ; 71; 0;25295
5; -1145.4; 01-JAN-2007 05:54:53; Bright; 34.5; 102; 24Alp Ser ; 2.60; 4250;occ; 69; 0;25295
6; -841.9; 01-JAN-2007 05:59:56; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;25295
7; -682.8; 01-JAN-2007 06:02:35; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;25295
8; -280.4; 01-JAN-2007 06:09:18; Dark ; 36.5; 109; Bet Lup ; 2.68; 26000;occ; 73; 0;25295
9; -191.9; 01-JAN-2007 06:10:46; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;25295
10; -103.2; 01-JAN-2007 06:12:15; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;25295
11; 39.8; 01-JAN-2007 06:14:38; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;25296
12; 229.8; 01-JAN-2007 06:17:48; Dark ; 50.5; 12; Alp1Cru ; 0.77; 30000;occ; 101; 0;25296
13; 430.8; 01-JAN-2007 06:21:09; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;25296
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15; 630.9; 01-JAN-2007 06:24:29; Dark ; 47.0; 71; Iot Car ; 2.25; 7700;occ; 94; 0;25296
16; 733.1; 01-JAN-2007 06:26:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25296
17; 979.1; 01-JAN-2007 06:30:17; Dark ; 43.5; 2; Alp Car ;-0.74; 7000;occ; 87; 0;25296
18; 1172.8; 01-JAN-2007 06:33:31; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;25296
19; 1341.0; 01-JAN-2007 06:36:19; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;25296
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22; 1881.6; 01-JAN-2007 06:45:20; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 0;25296
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24; 2271.2; 01-JAN-2007 06:51:49; Bright; 37.5; 176; 23Zet Tau ; 3.02; 22000;occ; 75; 0;25296
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 9; 2692.6; 01-JAN-2007 12:00:38; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;25299
 10; 3423.3; 01-JAN-2007 12:12:49; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;25299
 11; 3690.7; 01-JAN-2007 12:17:17; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;25299
 12; 3921.9; 01-JAN-2007 12:21:08; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;25299
 13; 4422.7; 01-JAN-2007 12:29:29; Bright; 33.0; 133; 40Zet Her ; 2.81; 6000;occ; 66; 0;25299
 14; 4546.5; 01-JAN-2007 12:31:32; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;25299
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 16; 5196.0; 01-JAN-2007 12:42:22; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;25299
 17; 5355.5; 01-JAN-2007 12:45:01; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;25299
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 27; 7016.0; 01-JAN-2007 13:12:42; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;25299
 28; 7210.1; 01-JAN-2007 13:15:56; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;25299
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 12; 3922.3; 01-JAN-2007 14:01:44; Bright; 35.0; 119; 14Eta Dra ; 2.73; 4700;occ; 70; 0;25300
 13; 4423.0; 01-JAN-2007 14:10:05; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;25300
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 16; 5196.4; 01-JAN-2007 14:22:58; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;25300
 17; 5356.1; 01-JAN-2007 14:25:38; Dark ; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;25300
 18; 5757.7; 01-JAN-2007 14:32:19; Dark ; 38.0; 109; Bet Lup ; 2.68; 26000;occ; 76; 0;25300
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8; 4547.1; 01-JAN-2007 15:52:45; Bright; 55.0; 67; 5Alp CrB ; 2.22; 11000;occ; 110; 0;25301
9; 4892.5; 01-JAN-2007 15:58:30; Bright; 35.0; 102; 24Alp Ser ; 2.60; 4250;occ; 70; 0;25301
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2;-2112.4; 04-JAN-2007 04:03:54; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;25337
3;-1607.4; 04-JAN-2007 04:12:19; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;25337
4;-1482.0; 04-JAN-2007 04:14:25; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;25337
5;-1132.3; 04-JAN-2007 04:20:14; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;25337
6; -995.3; 04-JAN-2007 04:22:31; Bright; 33.5; 120; 1Del Oph ; 2.73; 3200;occ; 67; 0;25337
7; -821.8; 04-JAN-2007 04:25:25; Bright; 51.0; 104; 27Bet Lib ; 2.61; 13100;occ; 102; 0;25337
8; -656.3; 04-JAN-2007 04:28:10; Dark ; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;25337
9; -345.5; 04-JAN-2007 04:33:21; Dark ; 38.5; 131; Gam Lup ; 2.80; 26000;occ; 77; 0;25337
10; -261.4; 04-JAN-2007 04:34:45; Dark ; 39.5; 109; Bet Lup ; 2.68; 26000;occ; 79; 0;25337
11; -172.2; 04-JAN-2007 04:36:14; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;25337
12; -76.6; 04-JAN-2007 04:37:50; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;25337
13; 25.9; 04-JAN-2007 04:39:33; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;25338
14; 141.5; 04-JAN-2007 04:41:28; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;25338
15; 251.6; 04-JAN-2007 04:43:18; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;25338
16; 452.7; 04-JAN-2007 04:46:39; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;25338
17; 562.7; 04-JAN-2007 04:48:29; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;25338

18; 653.1; 04-JAN-2007 04:50:00; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;25338
 19; 757.4; 04-JAN-2007 04:51:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25338
 20; 937.6; 04-JAN-2007 04:54:44; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;25338
 21; 1068.9; 04-JAN-2007 04:56:55; Dark ; 32.0; 70; Zet Pup ; 2.25; 39000;occ; 64; 0;25338
 22; 1187.7; 04-JAN-2007 04:58:54; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;25338
 23; 1352.3; 04-JAN-2007 05:01:39; Dark ; 45.0; 23; 21Eps CMA ; 1.50; 26000;occ; 90; 0;25338
 24; 1443.2; 04-JAN-2007 05:03:10; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;25338
 25; 1587.1; 04-JAN-2007 05:05:34; Dark ; 57.0; 1; 9Alp CMA ; -1.44; 11000;occ; 114; 0;25338
 26; 1775.7; 04-JAN-2007 05:08:42; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;25338
 27; 1884.6; 04-JAN-2007 05:10:31; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;25338
 28; 2031.5; 04-JAN-2007 05:12:58; Dark ; 47.5; 14; 58Alp Ori ; 0.87; 3000;occ; 95; 0;25338
 29; 2268.7; 04-JAN-2007 05:16:55; Bright; 35.0; 176; 23Zet Tau ; 3.02; 22000;occ; 70; 0;25338
 30; 2395.3; 04-JAN-2007 05:19:02; Bright; 37.0; 28; 12Bet Tau ; 1.65; 15200;occ; 74; 0;25338
 31; 2474.6; 04-JAN-2007 05:20:21; Bright; 36.5; 114; 3Iot Aur ; 2.69; 4600;occ; 73; 0;25338
 32; 2557.8; 04-JAN-2007 05:21:44; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;25338
 33; 2690.2; 04-JAN-2007 05:23:57; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;25338
 34; 3423.7; 04-JAN-2007 05:36:10; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;25338
 35; 3686.6; 04-JAN-2007 05:40:33; Bright; 29.0; 60; 7Bet UMi ; 2.08; 3950;occ; 58; 0;25338

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 2; -2112.4; 04-JAN-2007 05:44:30; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;25338
 3; -1607.3; 04-JAN-2007 05:52:55; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;25338
 4; -1481.8; 04-JAN-2007 05:55:01; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;25338
 5; -1132.0; 04-JAN-2007 06:00:51; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;25338
 6; -995.1; 04-JAN-2007 06:03:07; Bright; 33.5; 120; 1Del Oph ; 2.73; 3200;occ; 67; 0;25338
 7; -821.4; 04-JAN-2007 06:06:01; Bright; 50.0; 104; 27Bet Lib ; 2.61; 13100;occ; 100; 0;25338
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 11; -171.8; 04-JAN-2007 06:16:51; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;25338
 12; -76.0; 04-JAN-2007 06:18:27; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;25338
 13; 26.6; 04-JAN-2007 06:20:09; Dark ; 39.0; 77; Eps Cen ; 2.30; 28000;occ; 78; 0;25339
 14; 142.3; 04-JAN-2007 06:22:05; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;25339
 15; 252.1; 04-JAN-2007 06:23:55; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;25339
 16; 453.2; 04-JAN-2007 06:27:16; Dark ; 37.5; 124; The Car ; 2.76; 30000;occ; 75; 0;25339
 17; 563.0; 04-JAN-2007 06:29:06; Dark ; 43.5; 29; Bet Car ; 1.67; 10200;occ; 87; 0;25339
 18; 653.6; 04-JAN-2007 06:30:36; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;25339
 19; 757.9; 04-JAN-2007 06:32:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25339
 20; 938.1; 04-JAN-2007 06:35:21; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;25339
 21; 1069.3; 04-JAN-2007 06:37:32; Dark ; 32.0; 70; Zet Pup ; 2.25; 39000;occ; 64; 0;25339
 22; 1188.1; 04-JAN-2007 06:39:31; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;25339
 23; 1352.5; 04-JAN-2007 06:42:15; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;25339
 24; 1443.2; 04-JAN-2007 06:43:46; Dark ; 40.0; 179; 240mi2CMA ; 3.03; 24000;occ; 80; 0;25339
 25; 1587.3; 04-JAN-2007 06:46:10; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0;25339
 26; 1775.8; 04-JAN-2007 06:49:18; Dark ; 44.0; 7; 19Bet Ori ; 0.10; 14000;occ; 88; 0;25339
 27; 1884.6; 04-JAN-2007 06:51:07; Dark ; 44.0; 30; 46Eps Ori ; 1.69; 30000;occ; 88; 0;25339
 28; 2031.4; 04-JAN-2007 06:53:34; Dark ; 46.0; 14; 58Alp Ori ; 0.87; 3000;occ; 92; 0;25339
 29; 2268.7; 04-JAN-2007 06:57:31; Bright; 37.0; 176; 23Zet Tau ; 3.02; 22000;occ; 74; 0;25339
 30; 2395.2; 04-JAN-2007 06:59:38; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;25339
 31; 2474.6; 04-JAN-2007 07:00:57; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;25339
 32; 2557.7; 04-JAN-2007 07:02:20; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;25339
 33; 2690.1; 04-JAN-2007 07:04:33; Bright; 38.0; 6; 13Alp Aur ; 0.08; 3400;occ; 76; 0;25339
 34; 3423.7; 04-JAN-2007 07:16:46; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;25339
 35; 3686.5; 04-JAN-2007 07:21:09; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;25339

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 2; 1190.6; 04-JAN-2007 20:04:21; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;25347
 3; 1354.3; 04-JAN-2007 20:07:04; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;25347
 4; 1444.9; 04-JAN-2007 20:08:35; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;25347
 5; 1588.1; 04-JAN-2007 20:10:58; Dark ; 51.5; 1; 9Alp CMA ; -1.44; 11000;occ; 103; 0;25347
 6; 1736.5; 04-JAN-2007 20:13:26; Dark ; 43.0; 56; 53Kap Ori ; 2.07; 30000;occ; 86; 0;25347
 7; 1885.1; 04-JAN-2007 20:15:55; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;25347
 8; 2031.1; 04-JAN-2007 20:18:21; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;25347
 9; 2268.2; 04-JAN-2007 20:22:18; Bright; 35.5; 176; 23Zet Tau ; 3.02; 22000;occ; 71; 0;25347
 10; 2394.9; 04-JAN-2007 20:24:25; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;25347
 11; 2475.2; 04-JAN-2007 20:25:45; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;25347
 12; 2556.0; 04-JAN-2007 20:27:06; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;25347
 13; 2689.8; 04-JAN-2007 20:29:20; Bright; 38.5; 6; 13Alp Aur ; 0.08; 3400;occ; 77; 0;25347

14; 3423.6; 04-JAN-2007 20:41:34; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;25347
 15; 3685.4; 04-JAN-2007 20:45:55; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;25347
 16; 3923.8; 04-JAN-2007 20:49:54; Bright; 50.5; 119; 14Eta Dra ; 2.73; 4700;occ; 101; 0;25347
 17; 4430.1; 04-JAN-2007 20:58:20; Bright; 33.5; 133; 40Zet Her ; 2.81; 6000;occ; 67; 0;25347
 18; 4555.6; 04-JAN-2007 21:00:26; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;25347
 19; 4906.8; 04-JAN-2007 21:06:17; Bright; 47.5; 102; 24Alp Ser ; 2.60; 4250;occ; 95; 0;25347
 20; 5043.1; 04-JAN-2007 21:08:33; Bright; 11.0; 120; 1Del Oph ; 2.73; 3200;occ; 22; 0;25347

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 3; -649.8; 04-JAN-2007 21:14:16; Dark ; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;25347
 4; -342.0; 04-JAN-2007 21:19:24; Dark ; 38.5; 131; Gam Lup ; 2.80; 26000;occ; 77; 0;25347
 5; -256.6; 04-JAN-2007 21:20:49; Dark ; 38.0; 109; Bet Lup ; 2.68; 26000;occ; 76; 0;25347
 6; -167.3; 04-JAN-2007 21:22:19; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;25347
 7; -70.0; 04-JAN-2007 21:23:56; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;25347
 8; 31.9; 04-JAN-2007 21:25:38; Dark ; 38.5; 77; Eps Cen ; 2.30; 28000;occ; 77; 0;25348
 9; 149.8; 04-JAN-2007 21:27:36; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;25348
 10; 256.7; 04-JAN-2007 21:29:23; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;25348
 11; 457.7; 04-JAN-2007 21:32:44; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;25348
 12; 566.1; 04-JAN-2007 21:34:32; Dark ; 41.5; 29; Bet Car ; 1.67; 10200;occ; 83; 0;25348
 13; 658.3; 04-JAN-2007 21:36:04; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;25348
 14; 763.0; 04-JAN-2007 21:37:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25348
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 17; 1191.0; 04-JAN-2007 21:44:57; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;25348
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 19; 1445.0; 04-JAN-2007 21:49:11; Dark ; 42.5; 179; 240mi2CMA ; 3.03; 24000;occ; 85; 0;25348
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 22; 1885.2; 04-JAN-2007 21:56:31; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;25348
 23; 2031.1; 04-JAN-2007 21:58:57; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;25348
 24; 2268.2; 04-JAN-2007 22:02:54; Bright; 37.0; 176; 23Zet Tau ; 3.02; 22000;occ; 74; 0;25348
 25; 2394.9; 04-JAN-2007 22:05:01; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;25348
 26; 2475.3; 04-JAN-2007 22:06:21; Bright; 36.5; 114; 3Iot Aur ; 2.69; 4600;occ; 73; 0;25348
 27; 2555.7; 04-JAN-2007 22:07:42; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;25348
 28; 2689.7; 04-JAN-2007 22:09:55; Bright; 39.5; 6; 13Alp Aur ; 0.08; 3400;occ; 79; 0;25348
 29; 3423.5; 04-JAN-2007 22:22:09; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;25348
 30; 3685.3; 04-JAN-2007 22:26:31; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;25348
 31; 3923.8; 04-JAN-2007 22:30:30; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;25348
 32; 4430.3; 04-JAN-2007 22:38:56; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;25348
 33; 4555.7; 04-JAN-2007 22:41:02; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;25348
 34; 4907.1; 04-JAN-2007 22:46:53; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;25348
 35; 5043.3; 04-JAN-2007 22:49:09; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;25348
 36; 5219.6; 04-JAN-2007 22:52:05; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;25348
 37; 5386.8; 04-JAN-2007 22:54:53; Dark ; 10.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 21; 0;25348

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 3; -166.9; 04-JAN-2007 23:02:55; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;25348
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 5; 32.4; 04-JAN-2007 23:06:14; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;25349
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 7; 257.2; 04-JAN-2007 23:09:59; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;25349
 8; 458.2; 04-JAN-2007 23:13:20; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;25349
 9; 566.4; 04-JAN-2007 23:15:08; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;25349
 10; 658.8; 04-JAN-2007 23:16:40; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;25349
 11; 763.6; 04-JAN-2007 23:18:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25349
 12; 942.8; 04-JAN-2007 23:21:24; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;25349
 13; 1074.0; 04-JAN-2007 23:23:36; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;25349
 14; 1191.3; 04-JAN-2007 23:25:33; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;25349
 15; 1354.7; 04-JAN-2007 23:28:16; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;25349
 16; 1445.1; 04-JAN-2007 23:29:47; Dark ; 42.0; 179; 240mi2CMA ; 3.03; 24000;occ; 84; 0;25349
 17; 1588.2; 04-JAN-2007 23:32:10; Dark ; 55.0; 1; 9Alp CMA ; -1.44; 11000;occ; 110; 0;25349
 18; 1736.7; 04-JAN-2007 23:34:38; Dark ; 42.0; 56; 53Kap Ori ; 2.07; 30000;occ; 84; 0;25349
 19; 1885.2; 04-JAN-2007 23:37:07; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 0;25349
 20; 2031.0; 04-JAN-2007 23:39:33; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;25349
 21; 2268.2; 04-JAN-2007 23:43:30; Bright; 36.5; 176; 23Zet Tau ; 3.02; 22000;occ; 73; 0;25349
 22; 2394.9; 04-JAN-2007 23:45:37; Bright; 36.0; 28; 12Bet Tau ; 1.65; 15200;occ; 72; 0;25349

23; 2475.4; 04-JAN-2007 23:46:57; Bright; 36.0; 114; 3Iot Aur ; 2.69; 4600;occ; 72; 0;25349
 24; 2555.6; 04-JAN-2007 23:48:17; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;25349
 25; 2689.7; 04-JAN-2007 23:50:31; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;25349
 26; 3423.7; 05-JAN-2007 00:02:45; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;25349
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 28; 3923.7; 05-JAN-2007 00:11:05; Bright; 34.5; 119; 14Eta Dra ; 2.73; 4700;occ; 69; 0;25349
 29; 4430.4; 05-JAN-2007 00:19:32; Bright; 33.5; 133; 40Zet Her ; 2.81; 6000;occ; 67; 0;25349
 30; 4555.8; 05-JAN-2007 00:21:37; Bright; 51.0; 67; 5Alp CrB ; 2.22; 11000;occ; 102; 0;25349
 31; 4907.4; 05-JAN-2007 00:27:29; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;25349
 32; 5043.6; 05-JAN-2007 00:29:45; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;25349
 33; 5220.2; 05-JAN-2007 00:32:42; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;25349

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32; 5087.5; 13-JAN-2007 23:07:06; Bright; 55.0; 120; 1Del Oph ; 2.73; 3200;occ; 110; 0;25477
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 24; 7311.1; 27-JAN-2007 11:19:42; Dark ; 41.5; 117; Pi Pup ; 2.71; 3800;occ; 83; 0;25670
 25; 7458.3; 27-JAN-2007 11:22:09; Dark ; 41.0; 23; 21Eps CMA ; 1.50; 26000;occ; 82; 0;25670
 26; 7541.1; 27-JAN-2007 11:23:32; Dark ; 36.0; 179; 240mi2CMA ; 3.03; 24000;occ; 72; 0;25670
 27; 7670.3; 27-JAN-2007 11:25:41; Dark ; 5.5; 1; 9Alp CMA ; -1.44; 11000;occ; 11; 0;25670

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1; 1634.4; 27-JAN-2007 11:25:41; Dark ; 42.5; 1; 9Alp CMA ; -1.44; 11000;occ; 85; 0;25671
 2; 1994.2; 27-JAN-2007 11:31:41; Dark ; 45.5; 8; 10Alp CMI ; 0.40; 6500;occ; 91; 0;25671
 3; 2191.2; 27-JAN-2007 11:34:58; Bright; 37.0; 44; 24Gam Gem ; 1.93; 11000;occ; 74; 0;25671
 4; 2299.0; 27-JAN-2007 11:36:45; Bright; 37.5; 151; 13Mu Gem ; 2.89; 3000;occ; 75; 0;25671
 5; 2554.1; 27-JAN-2007 11:41:01; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;25671
 6; 2681.3; 27-JAN-2007 11:43:08; Bright; 35.5; 42; 34Bet Aur ; 1.90; 10200;occ; 71; 0;25671
 7; 3427.0; 27-JAN-2007 11:55:33; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;25671
 8; 4086.7; 27-JAN-2007 12:06:33; Bright; 34.5; 130; 23Bet Dra ; 2.80; 5800;occ; 69; 0;25671
 9; 4295.0; 27-JAN-2007 12:10:01; Bright; 32.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 65; 0;25671
 10; 4778.9; 27-JAN-2007 12:18:05; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;25671
 11; 4905.9; 27-JAN-2007 12:20:12; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;25671
 12; 5283.1; 27-JAN-2007 12:26:29; Dark ; 42.5; 86; 35Eta Oph ; 2.43; 10200;occ; 85; 0;25671
 13; 5528.7; 27-JAN-2007 12:30:35; Dark ; 48.0; 16; 21Alp Sco ; 1.02; 3000;occ; 96; 0;25671
 14; 5609.6; 27-JAN-2007 12:31:56; Dark ; 42.5; 75; 26Eps Sco ; 2.29; 4250;occ; 85; 0;25671
 15; 5868.2; 27-JAN-2007 12:36:15; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;25671
 16; 6103.5; 27-JAN-2007 12:40:10; Dark ; 36.0; 134; Bet TrA ; 2.81; 6600;occ; 72; 0;25671
 17; 6194.9; 27-JAN-2007 12:41:41; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;25671
 18; 6360.9; 27-JAN-2007 12:44:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25671
 19; 6469.8; 27-JAN-2007 12:46:16; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;25671
 20; 6701.6; 27-JAN-2007 12:50:08; Dark ; 36.5; 29; Bet Car ; 1.67; 10200;occ; 73; 0;25671
 21; 6836.6; 27-JAN-2007 12:52:23; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;25671
 22; 6943.9; 27-JAN-2007 12:54:10; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;25671
 23; 7098.6; 27-JAN-2007 12:56:45; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;25671
 24; 7224.4; 27-JAN-2007 12:58:51; Dark ; 39.5; 70; Zet Pup ; 2.25; 39000;occ; 79; 0;25671
 25; 7311.3; 27-JAN-2007 13:00:18; Dark ; 39.5; 117; Pi Pup ; 2.71; 3800;occ; 79; 0;25671
 26; 7458.5; 27-JAN-2007 13:02:45; Dark ; 42.5; 23; 21Eps CMA ; 1.50; 26000;occ; 85; 0;25671
 27; 7541.2; 27-JAN-2007 13:04:08; Dark ; 35.5; 179; 240mi2CMA ; 3.03; 24000;occ; 71; 0;25671

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 2; 1994.1; 27-JAN-2007 13:12:16; Dark ; 50.5; 8; 10Alp CMI ; 0.40; 6500;occ; 101; 0;25672
 3; 2191.3; 27-JAN-2007 13:15:34; Bright; 37.5; 44; 24Gam Gem ; 1.93; 11000;occ; 75; 0;25672

4; 2299.2; 27-JAN-2007 13:17:21; Bright; 37.5; 151; 13Mu Gem ; 2.89; 3000;occ; 75; 0;25672
5; 2554.3; 27-JAN-2007 13:21:37; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;25672
6; 2681.5; 27-JAN-2007 13:23:44; Bright; 35.0; 42; 34Bet Aur ; 1.90; 10200;occ; 70; 0;25672
7; 3427.1; 27-JAN-2007 13:36:09; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;25672
8; 4086.8; 27-JAN-2007 13:47:09; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;25672
9; 4295.1; 27-JAN-2007 13:50:37; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;25672
10; 4779.4; 27-JAN-2007 13:58:42; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;25672
11; 4906.2; 27-JAN-2007 14:00:48; Bright; 34.5; 126; 60Bet Oph ; 2.77; 4250;occ; 69; 0;25672
12; 5283.7; 27-JAN-2007 14:07:06; Dark ; 42.0; 86; 35Eta Oph ; 2.43; 10200;occ; 84; 0;25672
13; 5529.4; 27-JAN-2007 14:11:12; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;25672
14; 5610.1; 27-JAN-2007 14:12:32; Dark ; 41.0; 75; 26Eps Sco ; 2.29; 4250;occ; 82; 0;25672
15; 5868.9; 27-JAN-2007 14:16:51; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;25672
16; 6103.8; 27-JAN-2007 14:20:46; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;25672
17; 6195.5; 27-JAN-2007 14:22:18; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;25672
18; 6361.2; 27-JAN-2007 14:25:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25672
19; 6470.4; 27-JAN-2007 14:26:53; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;25672
20; 6702.0; 27-JAN-2007 14:30:44; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;25672
21; 6837.1; 27-JAN-2007 14:32:59; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;25672
22; 6944.2; 27-JAN-2007 14:34:46; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;25672
23; 7098.7; 27-JAN-2007 14:37:21; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;25672
24; 7224.8; 27-JAN-2007 14:39:27; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;25672
25; 7311.5; 27-JAN-2007 14:40:54; Dark ; 41.5; 117; Pi Pup ; 2.71; 3800;occ; 83; 0;25672
26; 7458.7; 27-JAN-2007 14:43:21; Dark ; 3.0; 23; 21Eps CMA ; 1.50; 26000;occ; 6; 0;25672

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2; 1505.6; 27-JAN-2007 14:44:44; Dark ; 36.0; 179; 240mi2CMA ; 3.03; 24000;occ; 72; 0;25673
3; 1634.7; 27-JAN-2007 14:46:53; Dark ; 43.5; 1; 9Alp CMA ;-1.44; 11000;occ; 87; 0;25673
4; 1994.1; 27-JAN-2007 14:52:52; Dark ; 49.0; 8; 10Alp CMi ; 0.40; 6500;occ; 98; 0;25673
5; 2191.4; 27-JAN-2007 14:56:10; Bright; 37.0; 44; 24Gam Gem ; 1.93; 11000;occ; 74; 0;25673
6; 2299.4; 27-JAN-2007 14:57:58; Bright; 38.0; 151; 13Mu Gem ; 2.89; 3000;occ; 76; 0;25673
7; 2554.6; 27-JAN-2007 15:02:13; Bright; 35.5; 107; 37The Aur ; 2.65; 11000;occ; 71; 0;25673
8; 2681.7; 27-JAN-2007 15:04:20; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;25673
9; 3427.2; 27-JAN-2007 15:16:45; Bright; 52.0; 49; 1Alp UMi ; 1.99; 6300;occ; 104; 0;25673
10; 4086.9; 27-JAN-2007 15:27:45; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;25673
11; 4295.2; 27-JAN-2007 15:31:13; Bright; 34.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 68; 0;25673
12; 4779.8; 27-JAN-2007 15:39:18; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;25673
13; 4906.4; 27-JAN-2007 15:41:25; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;25673
14; 5284.2; 27-JAN-2007 15:47:42; Dark ; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 0;25673
15; 5530.1; 27-JAN-2007 15:51:48; Dark ; 47.0; 16; 21Alp Sco ; 1.02; 3000;occ; 94; 0;25673
16; 5610.7; 27-JAN-2007 15:53:09; Dark ; 41.0; 75; 26Eps Sco ; 2.29; 4250;occ; 82; 0;25673
17; 5869.7; 27-JAN-2007 15:57:28; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;25673
18; 6104.4; 27-JAN-2007 16:01:23; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;25673
19; 6196.1; 27-JAN-2007 16:02:54; Dark ; 54.5; 4; Alp1Cen ;-0.01; 5800;occ; 109; 0;25673
20; 6361.6; 27-JAN-2007 16:05:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25673
21; 6471.0; 27-JAN-2007 16:07:29; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;25673
22; 6702.3; 27-JAN-2007 16:11:20; Dark ; 36.5; 29; Bet Car ; 1.67; 10200;occ; 73; 0;25673
23; 6837.5; 27-JAN-2007 16:13:36; Dark ; 37.0; 71; Iot Car ; 2.25; 7700;occ; 74; 0;25673
24; 6944.6; 27-JAN-2007 16:15:23; Dark ; 37.5; 46; Del Vel ; 1.95; 10600;occ; 75; 0;25673
25; 7099.1; 27-JAN-2007 16:17:57; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;25673
26; 7225.1; 27-JAN-2007 16:20:03; Dark ; 38.0; 70; Zet Pup ; 2.25; 39000;occ; 76; 0;25673
27; 7311.8; 27-JAN-2007 16:21:30; Dark ; 41.0; 117; Pi Pup ; 2.71; 3800;occ; 82; 0;25673

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2; 1423.0; 27-JAN-2007 16:23:57; Dark ; 40.5; 23; 21Eps CMA ; 1.50; 26000;occ; 81; 0;25674
3; 1505.8; 27-JAN-2007 16:25:20; Dark ; 35.0; 179; 240mi2CMA ; 3.03; 24000;occ; 70; 0;25674
4; 1634.9; 27-JAN-2007 16:27:29; Dark ; 37.0; 1; 9Alp CMA ;-1.44; 11000;occ; 74; 0;25674
5; 1994.0; 27-JAN-2007 16:33:28; Dark ; 47.5; 8; 10Alp CMi ; 0.40; 6500;occ; 95; 0;25674
6; 2191.5; 27-JAN-2007 16:36:46; Bright; 37.0; 44; 24Gam Gem ; 1.93; 11000;occ; 74; 0;25674
7; 2299.4; 27-JAN-2007 16:38:34; Bright; 38.5; 151; 13Mu Gem ; 2.89; 3000;occ; 77; 0;25674
8; 2554.7; 27-JAN-2007 16:42:49; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;25674
9; 2681.7; 27-JAN-2007 16:44:56; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;25674
10; 3427.2; 27-JAN-2007 16:57:21; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;25674
11; 4087.2; 27-JAN-2007 17:08:21; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;25674
12; 4295.5; 27-JAN-2007 17:11:50; Bright; 33.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 67; 0;25674
13; 4780.0; 27-JAN-2007 17:19:54; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;25674
14; 4906.6; 27-JAN-2007 17:22:01; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;25674
15; 5284.5; 27-JAN-2007 17:28:19; Dark ; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;25674
16; 5530.6; 27-JAN-2007 17:32:25; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;25674

17; 5611.1; 27-JAN-2007 17:33:45; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;25674
 18; 5870.5; 27-JAN-2007 17:38:05; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;25674
 19; 6104.6; 27-JAN-2007 17:41:59; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;25674
 20; 6196.5; 27-JAN-2007 17:43:31; Dark ; 45.0; 4; Alp1Cen ; -0.01; 5800;occ; 90; 0;25674
 21; 6361.9; 27-JAN-2007 17:46:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25674
 22; 6471.6; 27-JAN-2007 17:48:06; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;25674
 23; 6702.7; 27-JAN-2007 17:51:57; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;25674
 24; 6837.9; 27-JAN-2007 17:54:12; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;25674
 25; 6945.0; 27-JAN-2007 17:55:59; Dark ; 36.5; 46; Del Vel ; 1.95; 10600;occ; 73; 0;25674

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1; 1063.4; 27-JAN-2007 17:58:34; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;25675
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 3; 1276.0; 27-JAN-2007 18:02:06; Dark ; 41.0; 117; Pi Pup ; 2.71; 3800;occ; 82; 0;25675
 4; 1423.1; 27-JAN-2007 18:04:33; Dark ; 39.5; 23; 21Eps CMa ; 1.50; 26000;occ; 79; 0;25675
 5; 1505.9; 27-JAN-2007 18:05:56; Dark ; 36.5; 179; 240mi2CMa ; 3.03; 24000;occ; 73; 0;25675
 6; 1635.0; 27-JAN-2007 18:08:05; Dark ; 44.0; 1; 9Alp CMa ; -1.44; 11000;occ; 88; 0;25675
 7; 1994.0; 27-JAN-2007 18:14:04; Dark ; 53.5; 8; 10Alp CMi ; 0.40; 6500;occ; 107; 0;25675
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 9; 2299.7; 27-JAN-2007 18:19:10; Bright; 37.0; 151; 13Mu Gem ; 2.89; 3000;occ; 74; 0;25675
 10; 2554.9; 27-JAN-2007 18:23:25; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;25675
 11; 2681.8; 27-JAN-2007 18:25:32; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;25675
 12; 3427.1; 27-JAN-2007 18:37:57; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;25675
 13; 4086.9; 27-JAN-2007 18:48:57; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;25675
 14; 4295.6; 27-JAN-2007 18:52:26; Bright; 34.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 68; 0;25675
 15; 4780.3; 27-JAN-2007 19:00:30; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;25675
 16; 4906.8; 27-JAN-2007 19:02:37; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;25675
 17; 5284.8; 27-JAN-2007 19:08:55; Dark ; 42.0; 86; 35Eta Oph ; 2.43; 10200;occ; 84; 0;25675
 18; 5531.2; 27-JAN-2007 19:13:01; Dark ; 46.5; 16; 21Alp Sco ; 1.02; 3000;occ; 93; 0;25675
 19; 5611.5; 27-JAN-2007 19:14:22; Dark ; 40.5; 75; 26Eps Sco ; 2.29; 4250;occ; 81; 0;25675
 20; 5871.4; 27-JAN-2007 19:18:42; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;25675
 21; 6105.0; 27-JAN-2007 19:22:35; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;25675
 22; 6197.0; 27-JAN-2007 19:24:07; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;25675
 23; 6362.1; 27-JAN-2007 19:26:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25675
 24; 6472.0; 27-JAN-2007 19:28:42; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;25675
 25; 6702.7; 27-JAN-2007 19:32:33; Dark ; 42.5; 29; Bet Car ; 1.67; 10200;occ; 85; 0;25675
 26; 6838.2; 27-JAN-2007 19:34:48; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;25675
 27; 6945.2; 27-JAN-2007 19:36:35; Dark ; 37.5; 46; Del Vel ; 1.95; 10600;occ; 75; 0;25675

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1; -718.6; 28-JAN-2007 00:11:15; Dark ; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 63;25678
 2; -503.0; 28-JAN-2007 00:14:51; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;25678
 3; -423.2; 28-JAN-2007 00:16:11; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;25678
 4; -162.8; 28-JAN-2007 00:20:31; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;25678

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 2; 163.1; 28-JAN-2007 02:06:33; Dark ; 41.0; 4; Alp1Cen ; -0.01; 5800;occ; 82; 0;25680
 3; 327.3; 28-JAN-2007 02:09:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25680
 4; 438.3; 28-JAN-2007 02:11:08; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;25680
 5; 667.7; 28-JAN-2007 02:14:57; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;25680
 6; 803.5; 28-JAN-2007 02:17:13; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;25680
 7; 910.5; 28-JAN-2007 02:19:00; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;25680
 8; 1064.7; 28-JAN-2007 02:21:34; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;25680
 9; 1190.6; 28-JAN-2007 02:23:40; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;25680
 10; 1276.7; 28-JAN-2007 02:25:06; Dark ; 41.5; 117; Pi Pup ; 2.71; 3800;occ; 83; 0;25680
 11; 1423.8; 28-JAN-2007 02:27:34; Dark ; 42.0; 23; 21Eps CMa ; 1.50; 26000;occ; 84; 0;25680
 12; 1506.6; 28-JAN-2007 02:28:56; Dark ; 37.5; 179; 240mi2CMa ; 3.03; 24000;occ; 75; 0;25680
 13; 1635.8; 28-JAN-2007 02:31:06; Dark ; 44.0; 1; 9Alp CMa ; -1.44; 11000;occ; 88; 0;25680
 14; 2192.0; 28-JAN-2007 02:40:22; Bright; 37.0; 44; 24Gam Gem ; 1.93; 11000;occ; 74; 0;25680
 15; 2300.2; 28-JAN-2007 02:42:10; Bright; 38.5; 151; 13Mu Gem ; 2.89; 3000;occ; 77; 0;25680
 16; 2555.6; 28-JAN-2007 02:46:25; Bright; 35.5; 107; 37The Aur ; 2.65; 11000;occ; 71; 0;25680
 17; 2682.7; 28-JAN-2007 02:48:32; Bright; 35.0; 42; 34Bet Aur ; 1.90; 10200;occ; 70; 0;25680
 18; 3427.1; 28-JAN-2007 03:00:57; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;25680

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