

# GOMOS Daily Report 10-APR-2008

## 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	12APR2008 05:32:10
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (10APR2008 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (11APR2008 00:00:00)
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)

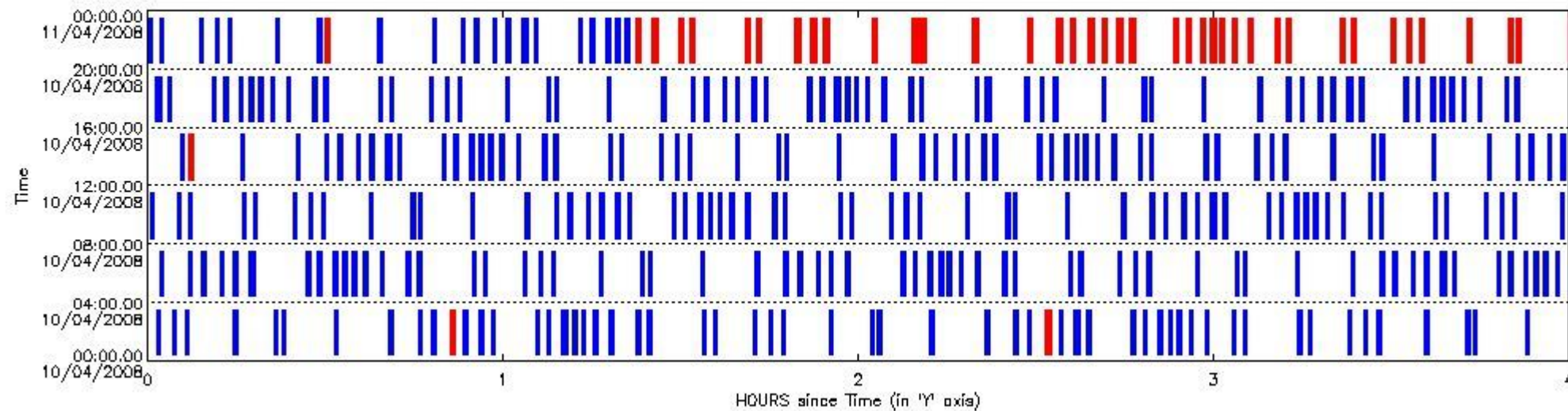
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
10-APR-2008 00:50:58	GamGru	172	31948
10-APR-2008 02:31:35	GamGru	172	31949
10-APR-2008 12:06:50	11BetCas	74	31955
10-APR-2008 20:29:50	11BetCas	74	31960
10-APR-2008 21:22:27	GamCen	64	31961
10-APR-2008 21:25:10	lotCen	123	31961
10-APR-2008 21:29:39	9BetCrv	106	31961
10-APR-2008 21:31:30	4GamCrv	100	31961
10-APR-2008 21:40:47	94BetLeo	62	31961
10-APR-2008 21:42:38	68DelLeo	96	31961
10-APR-2008 21:49:18	52PsiUMa	174	31961
10-APR-2008 21:51:55	64GamUMa	87	31961
10-APR-2008 21:54:08	50AlpUMa	36	31961
10-APR-2008 22:02:13	1AlpUMi	49	31961
10-APR-2008 22:09:08	37DelCas	110	31961

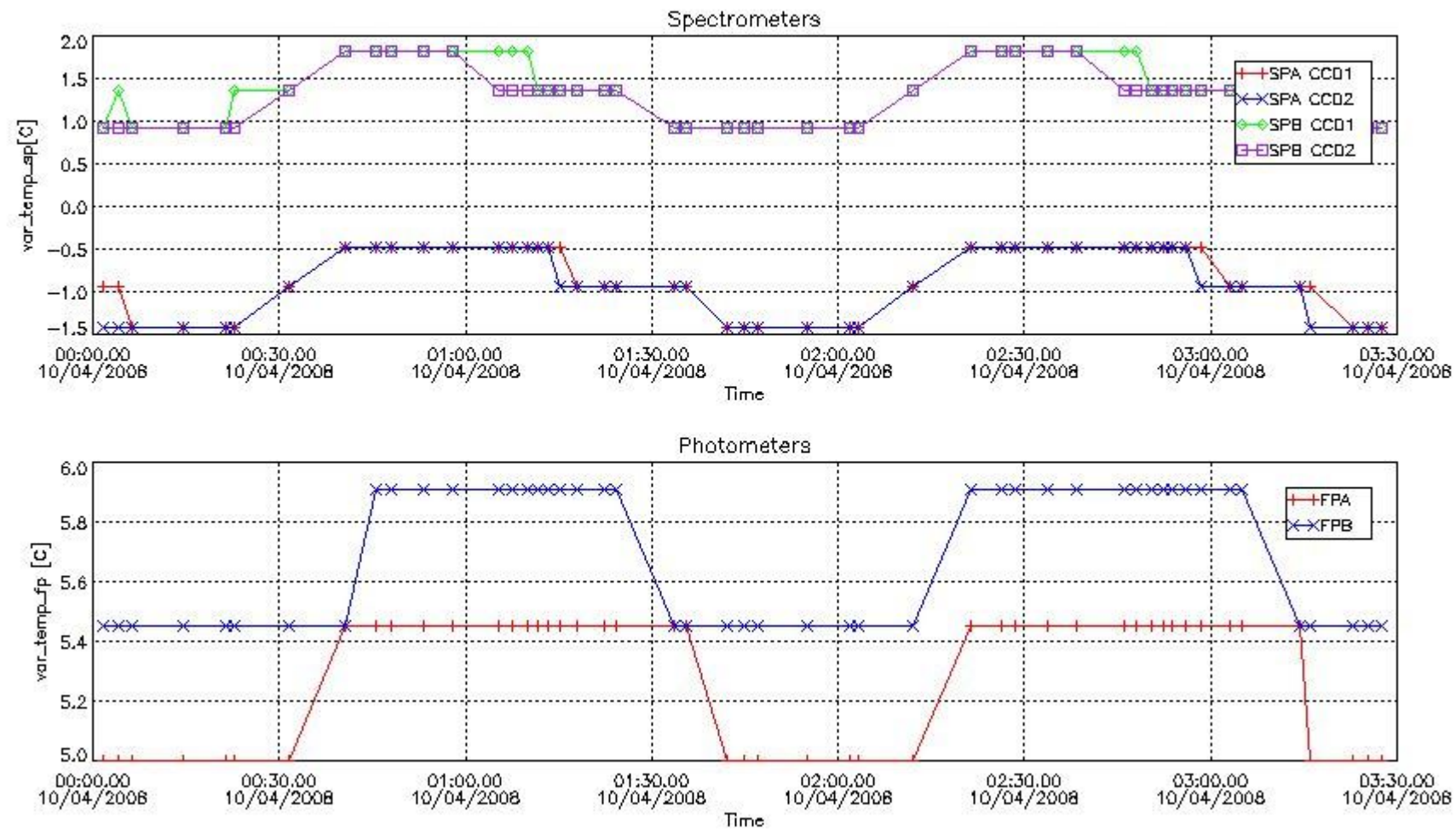
10-APR-2008 22:10:26	11BetCas	74	31961
10-APR-2008 22:19:16	44EtaPeg	164	31961
10-APR-2008 22:28:34	34AlpAqr	162	31961
10-APR-2008 22:33:26	49DelCap	142	31961
10-APR-2008 22:35:42	24AlpPsA	18	31961
10-APR-2008 22:38:50	GamGru	172	31961
10-APR-2008 22:41:02	AlpGru	31	31961
10-APR-2008 22:43:42	DSA1022	0	31961
10-APR-2008 22:45:46	AlpPav	45	31962
10-APR-2008 22:53:15	AlpTrA	43	31962
10-APR-2008 22:55:17	BetTrA	134	31962
10-APR-2008 22:57:46	Alp1Cen	4	31962
10-APR-2008 22:59:29	Alp1Cru	12	31962
10-APR-2008 23:01:01	GamCru	26	31962
10-APR-2008 23:03:03	GamCen	64	31962
10-APR-2008 23:05:46	lotCen	123	31962
10-APR-2008 23:10:15	9BetCrv	106	31962
10-APR-2008 23:12:06	4GamCrv	100	31962
10-APR-2008 23:21:23	94BetLeo	62	31962
10-APR-2008 23:23:14	68DelLeo	96	31962
10-APR-2008 23:29:54	52PsiUMa	174	31962
10-APR-2008 23:32:31	64GamUMa	87	31962
10-APR-2008 23:34:44	50AlpUMa	36	31962
10-APR-2008 23:42:49	1AlpUMi	49	31962
10-APR-2008 23:49:44	37DelCas	110	31962
10-APR-2008 23:51:02	11BetCas	74	31962
10-APR-2008 23:59:52	44EtaPeg	164	31962

#### 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_1PNPDE20080410_000132_000000352067_00331_31948_4926.N1	10-APR-2008 00:01:32	Bright	35.000	174	52Psi UMa	3.0040	4400.0	70	31948	No
2	GOM_TRA_1PNPDE20080410_000412_000000392067_00331_31948_4927.N1	10-APR-2008 00:04:12	Bright	39.000	87	64Gam UMa	2.4330	11000.	78	31948	No
3	GOM_TRA_1PNPDE20080410_000622_000000372067_00331_31948_4928.N1	10-APR-2008 00:06:22	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	31948	No
4	GOM_TRA_1PNPDE20080410_001428_000000352067_00331_31948_4929.N1	10-APR-2008 00:14:28	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	31948	No
5	GOM_TRA_1PNPDE20080410_002119_000000352067_00331_31948_4930.N1	10-APR-2008 00:21:19	Bright	34.500	110	37Del Cas	2.6780	8900.0	69	31948	No
6	GOM_TRA_1PNPDE20080410_002239_000000342067_00331_31948_4931.N1	10-APR-2008 00:22:39	Bright	33.500	74	11Bet Cas	2.2680	6600.0	67	31948	No
7	GOM_TRA_1PNPDE20080410_003129_000000362067_00331_31948_4932.N1	10-APR-2008 00:31:29	Bright	35.500	164	44Eta Peg	2.9480	5400.0	71	31948	No
8	GOM_TRA_1PNPDE20080410_004044_000000442067_00331_31948_4933.N1	10-APR-2008 00:40:44	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	31948	No
9	GOM_TRA_1PNPDE20080410_004535_000000402067_00331_31948_5075.N1	10-APR-2008 00:45:35	Dark	39.500	142	49Del Cap	2.8500	8900.0	79	31948	No
10	GOM_TRA_1PNPDE20080410_004754_000000432067_00331_31948_5076.N1	10-APR-2008 00:47:54	Dark	43.000	18	24Alp PsA	1.1660	9700.0	86	31948	No
11	GOM_TRA_1PNPDE20080410_005313_000000412067_00331_31948_5077.N1	10-APR-2008 00:53:13	Dark	41.000	31	Alp Gru	1.7340	15200.	82	31948	No
12	GOM_TRA_1PNPDE20080410_005755_000000382067_00332_31949_5078.N1	10-APR-2008 00:57:55	Dark	38.000	45	Alp Pav	1.9400	26000.	76	31949	No
13	GOM_TRA_1PNPDE20080410_010524_000000422067_00332_31949_5079.N1	10-APR-2008 01:05:24	Dark	42.000	43	Alp TrA	1.9100	4250.0	84	31949	No
14	GOM_TRA_1PNPDE20080410_010725_000000392067_00332_31949_5080.N1	10-APR-2008 01:07:25	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	31949	No
15	GOM_TRA_1PNPDE20080410_010955_000000542067_00332_31949_5081.N1	10-APR-2008 01:09:55	Straylight	53.500	4	Alp1Cen	-0.010000	5800.0	107	31949	No
16	GOM_TRA_1PNPDE20080410_011141_000000432067_00332_31949_5082.N1	10-APR-2008 01:11:41	Straylight	42.500	12	Alp1Cru	0.77500	30000.	85	31949	No
17	GOM_TRA_1PNPDE20080410_011313_000000452067_00332_31949_5083.N1	10-APR-2008 01:13:13	Straylight	44.500	26	Gam Cru	1.6240	2900.0	89	31949	No
18	GOM_TRA_1PNPDE20080410_011514_000000412067_00332_31949_5084.N1	10-APR-2008 01:15:14	Straylight	40.500	64	Gam Cen	2.2000	10600.	81	31949	No
19	GOM_TRA_1PNPDE20080410_011757_000000412067_00332_31949_5085.N1	10-APR-2008 01:17:57	Straylight	41.000	123	lot Cen	2.7500	10200.	82	31949	No
20	GOM_TRA_1PNPDE20080410_012227_000000432067_00332_31949_5086.N1	10-APR-2008 01:22:27	Twilight	42.500	106	9Bet Crv	2.6480	5600.0	85	31949	No
21	GOM_TRA_1PNPDE20080410_012419_000000402067_00332_31949_5087.N1	10-APR-2008 01:24:19	Twilight	39.500	100	4Gam Crv	2.5800	13100.	79	31949	No
22	GOM_TRA_1PNPDE20080410_013337_000000372067_00332_31949_5088.N1	10-APR-2008 01:33:37	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	31949	No
23	GOM_TRA_1PNPDE20080410_013527_000000342067_00332_31949_5089.N1	10-APR-2008 01:35:27	Bright	34.000	96	68Del Leo	2.5600	9300.0	68	31949	No
24	GOM_TRA_1PNPDE20080410_014208_000000362067_00332_31949_5090.N1	10-APR-2008 01:42:08	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	31949	No
25	GOM_TRA_1PNPDE20080410_014447_000000352067_00332_31949_5091.N1	10-APR-2008 01:44:47	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	31949	No
26	GOM_TRA_1PNPDE20080410_014658_000000372067_00332_31949_5092.N1	10-APR-2008 01:46:58	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	31949	No
27	GOM_TRA_1PNPDE20080410_015503_000000362067_00332_31949_5093.N1	10-APR-2008 01:55:03	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31949	No

28	GOM_TRA_1PNPDE20080410_020155_000000352067_00332_31949_5094.N1	10-APR-2008 02:01:55	Bright	34.500	110	37Del Cas	2.6780	8900.0	69	31949	No
29	GOM_TRA_1PNPDE20080410_020315_000000362067_00332_31949_5095.N1	10-APR-2008 02:03:15	Bright	35.500	74	11Bet Cas	2.2680	6600.0	71	31949	No
30	GOM_TRA_1PNPDE20080410_021205_000000362067_00332_31949_5096.N1	10-APR-2008 02:12:05	Bright	35.500	164	44Eta Peg	2.9480	5400.0	71	31949	No
31	GOM_TRA_1PNPDE20080410_022120_000000452067_00332_31949_5097.N1	10-APR-2008 02:21:20	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	31949	No
32	GOM_TRA_1PNPDE20080410_022611_000000402067_00332_31949_5245.N1	10-APR-2008 02:26:11	Dark	40.000	142	49Del Cap	2.8500	8900.0	80	31949	No
33	GOM_TRA_1PNPDE20080410_022830_000000442067_00332_31949_5246.N1	10-APR-2008 02:28:30	Dark	44.000	18	24Alp PsA	1.1660	9700.0	88	31949	No
34	GOM_TRA_1PNPDE20080410_023349_000000372067_00332_31949_5247.N1	10-APR-2008 02:33:49	Dark	37.000	31	Alp Gru	1.7340	15200.	74	31949	No
35	GOM_TRA_1PNPDE20080410_023831_000000382067_00333_31950_5248.N1	10-APR-2008 02:38:31	Dark	38.000	45	Alp Pav	1.9400	26000.	76	31950	No
36	GOM_TRA_1PNPDE20080410_024600_000000412067_00333_31950_5249.N1	10-APR-2008 02:46:00	Dark	40.500	43	Alp TrA	1.9100	4250.0	81	31950	No
37	GOM_TRA_1PNPDE20080410_024801_000000392067_00333_31950_5250.N1	10-APR-2008 02:48:01	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	31950	No
38	GOM_TRA_1PNPDE20080410_025031_000000452067_00333_31950_5251.N1	10-APR-2008 02:50:31	Straylight	45.000	4	Alp1Cen	-0.010000	5800.0	90	31950	No
39	GOM_TRA_1PNPDE20080410_025217_000000482067_00333_31950_5252.N1	10-APR-2008 02:52:17	Straylight	47.500	12	Alp1Cru	0.77500	30000.	95	31950	No
40	GOM_TRA_1PNPDE20080410_025349_000000482067_00333_31950_5253.N1	10-APR-2008 02:53:49	Straylight	47.500	26	Gam Cru	1.6240	2900.0	95	31950	No
41	GOM_TRA_1PNPDE20080410_025550_000000402067_00333_31950_5254.N1	10-APR-2008 02:55:50	Straylight	40.000	64	Gam Cen	2.2000	10600.	80	31950	No
42	GOM_TRA_1PNPDE20080410_025833_000000412067_00333_31950_5255.N1	10-APR-2008 02:58:33	Straylight	40.500	123	lot Cen	2.7500	10200.	81	31950	No
43	GOM_TRA_1PNPDE20080410_030303_000000442067_00333_31950_5256.N1	10-APR-2008 03:03:03	Twilight_stray	44.000	106	9Bet Crv	2.6480	5600.0	88	31950	No
44	GOM_TRA_1PNPDE20080410_030455_000000402067_00333_31950_5257.N1	10-APR-2008 03:04:55	Twilight_stray	39.500	100	4Gam Crv	2.5800	13100.	79	31950	No
45	GOM_TRA_1PNPDE20080410_031413_000000372067_00333_31950_5258.N1	10-APR-2008 03:14:13	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	31950	No
46	GOM_TRA_1PNPDE20080410_031603_000000342067_00333_31950_5259.N1	10-APR-2008 03:16:03	Bright	34.000	96	68Del Leo	2.5600	9300.0	68	31950	No
47	GOM_TRA_1PNPDE20080410_032244_000000362067_00333_31950_5260.N1	10-APR-2008 03:22:44	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	31950	No
48	GOM_TRA_1PNPDE20080410_032523_000000362067_00333_31950_5261.N1	10-APR-2008 03:25:23	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	31950	No
49	GOM_TRA_1PNPDE20080410_032734_000000372067_00333_31950_5262.N1	10-APR-2008 03:27:34	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	31950	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).

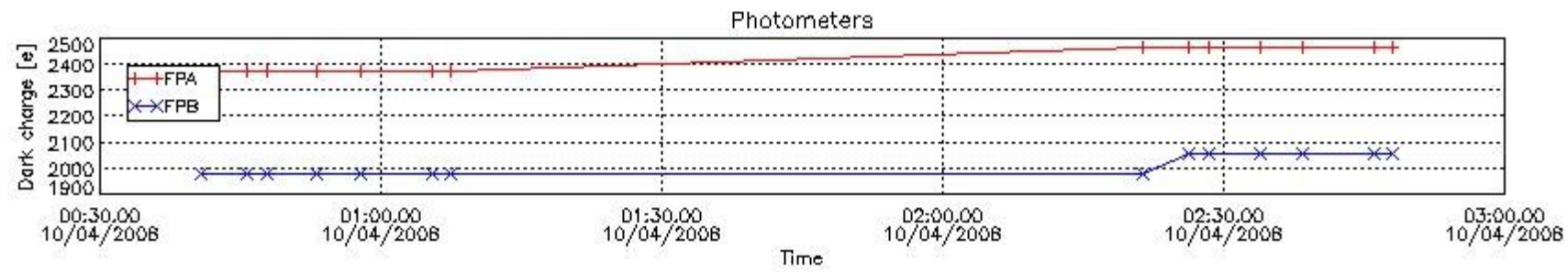
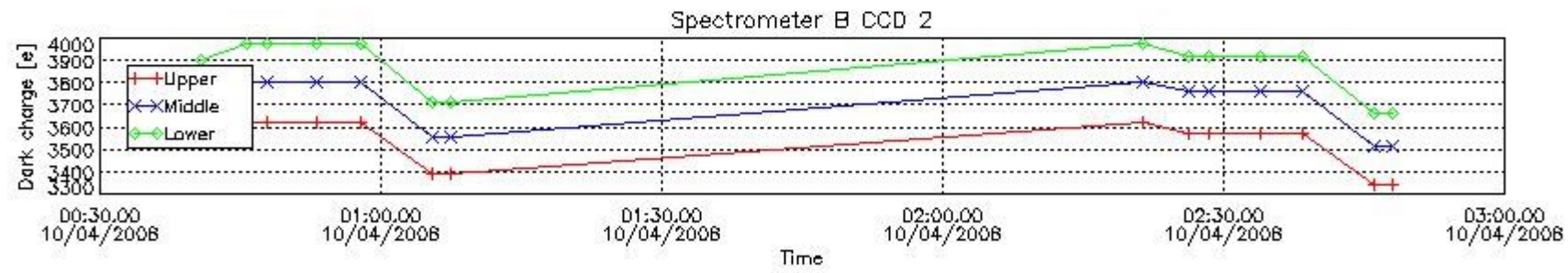
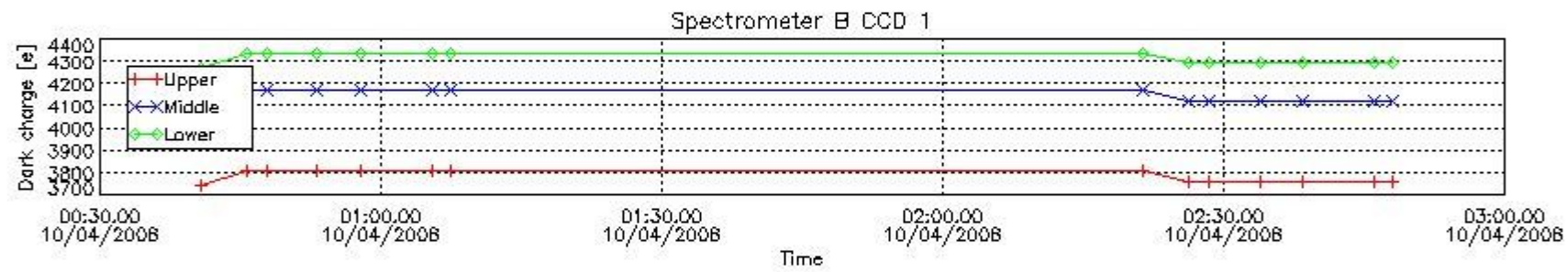
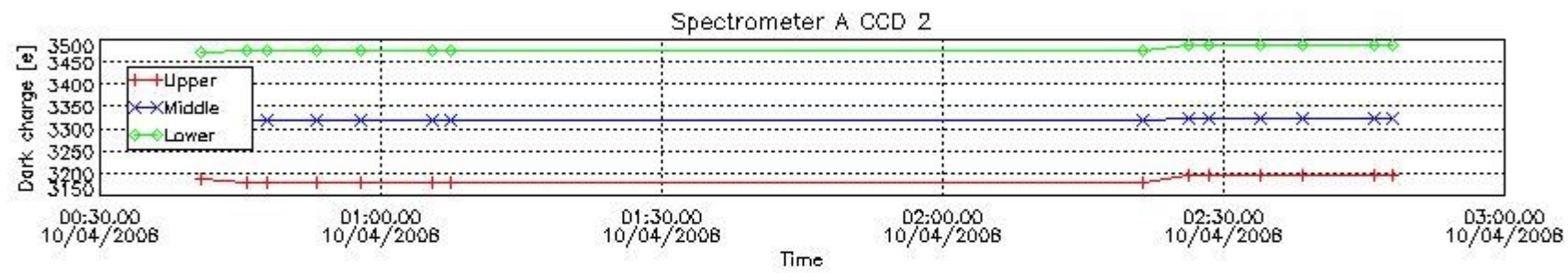
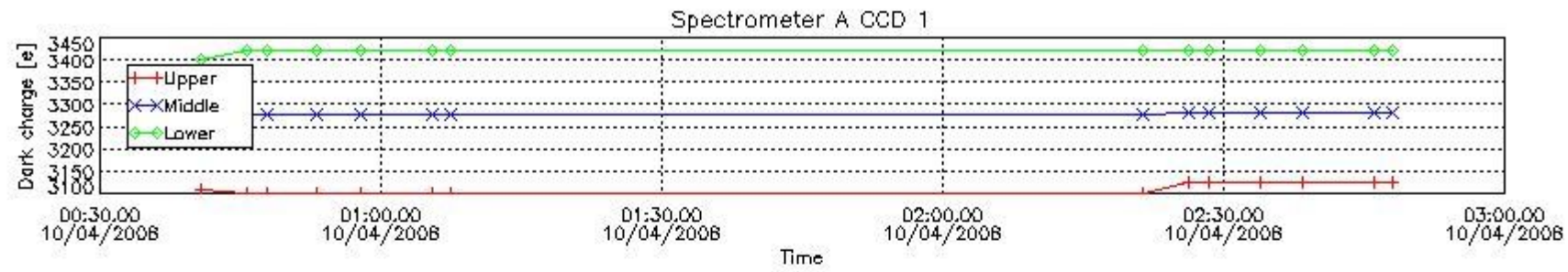
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given.

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*





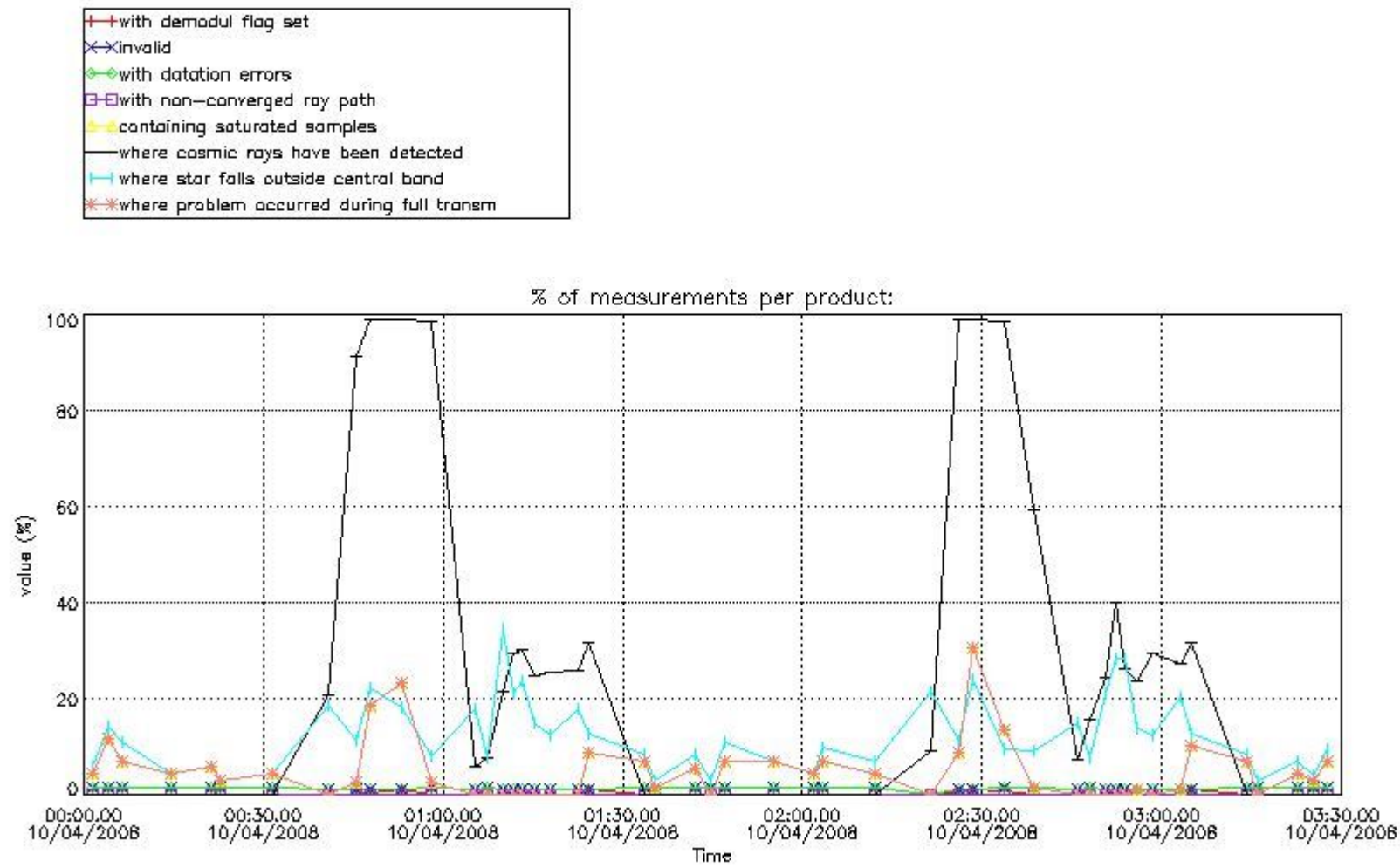
## 5. Demodulation flag and quality information monitoring

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:

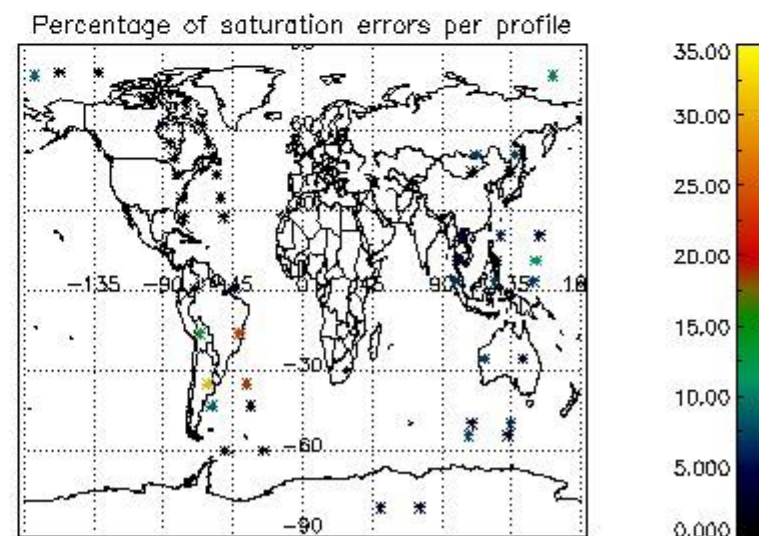
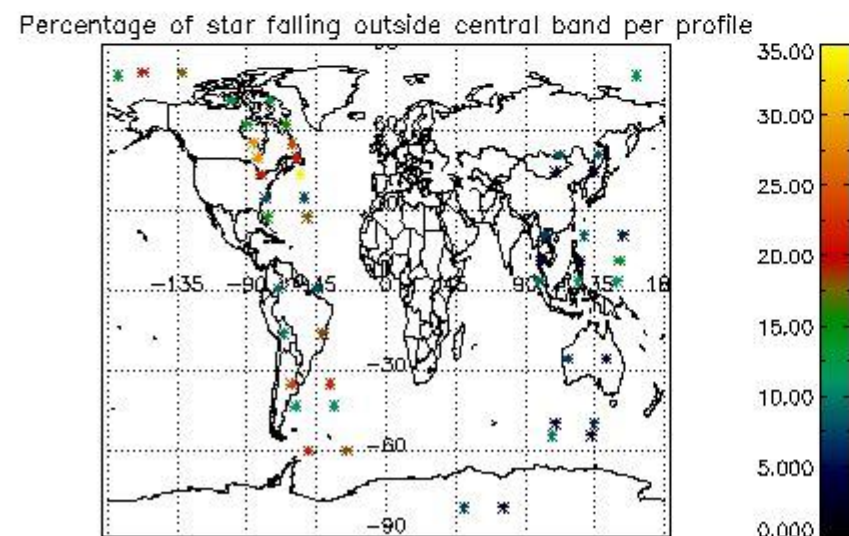
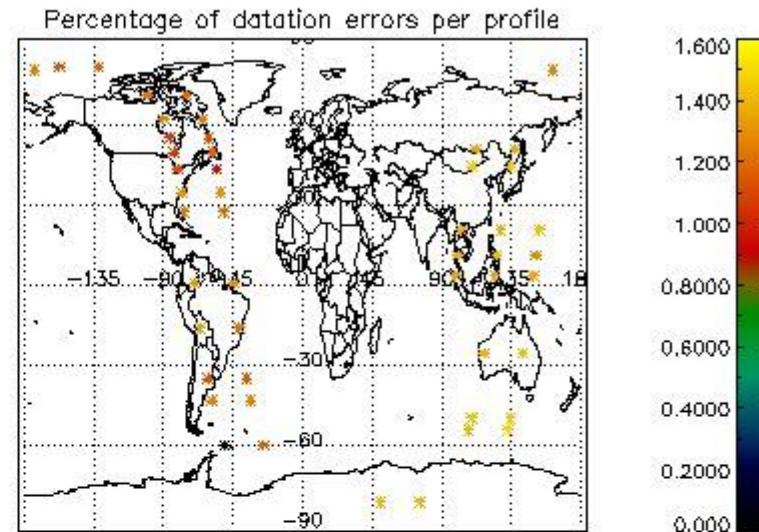
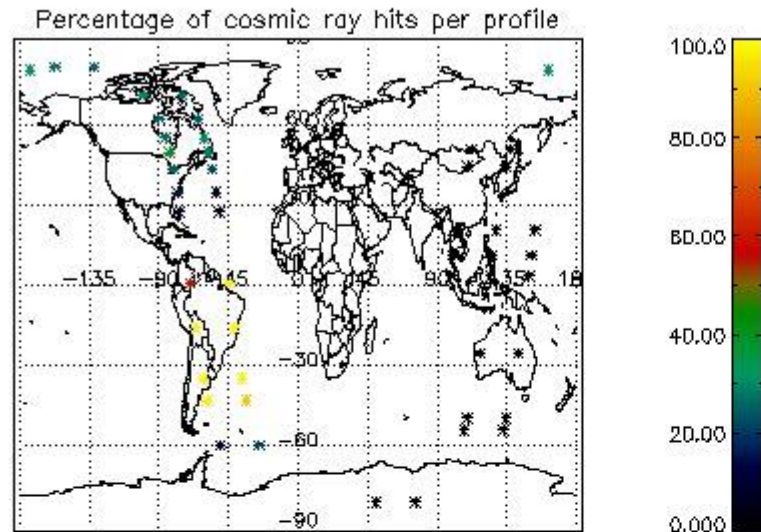
At least one measurement with demodulation flag set:	24.4898 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 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)

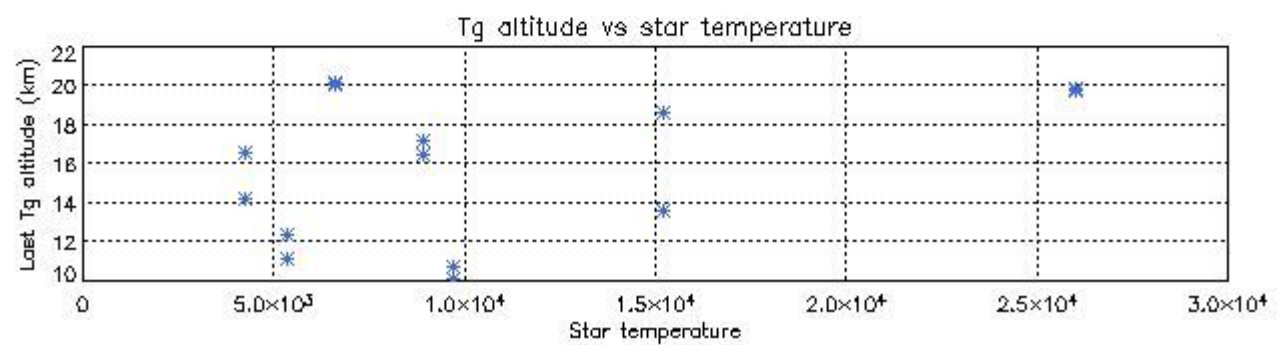
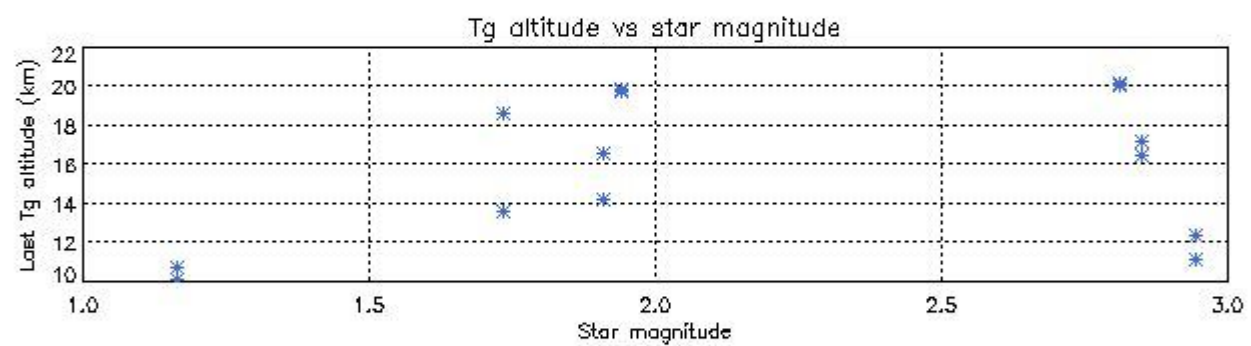
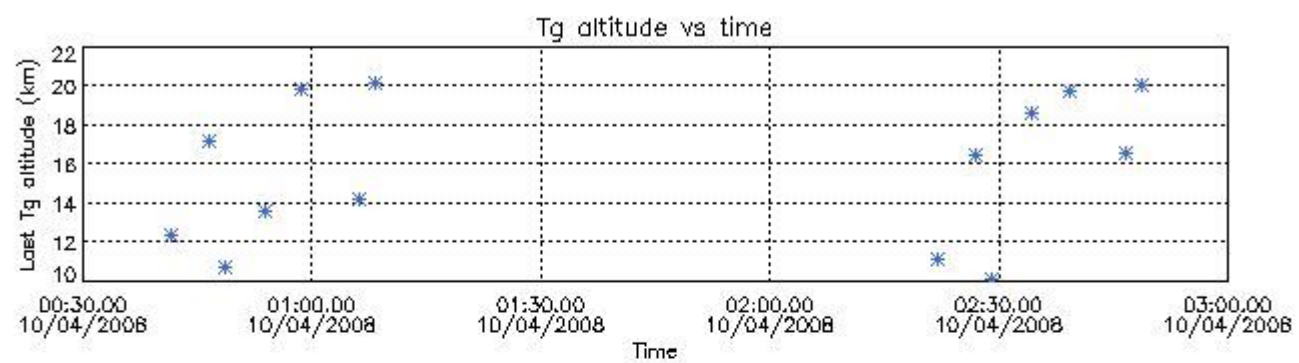
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.780	21.241	NaN
St. deviation:	3.7168	2.1113	NaN
Maximum:	20.195	24.928	NaN
Minimum:	10.127	16.961	NaN
Number of data:	14.000	21.000	NaN

### 6.2 Plot for DARK limb products

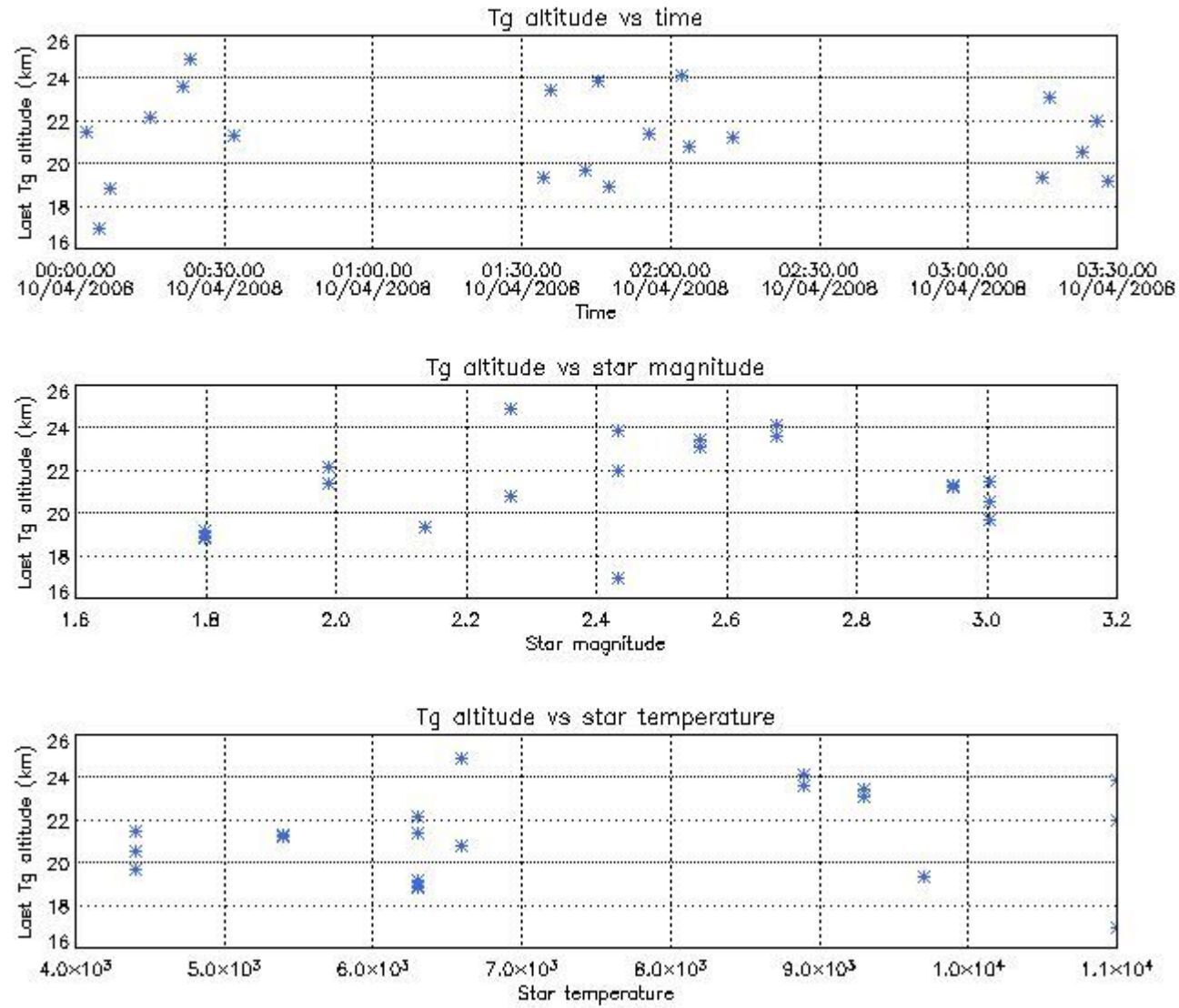


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

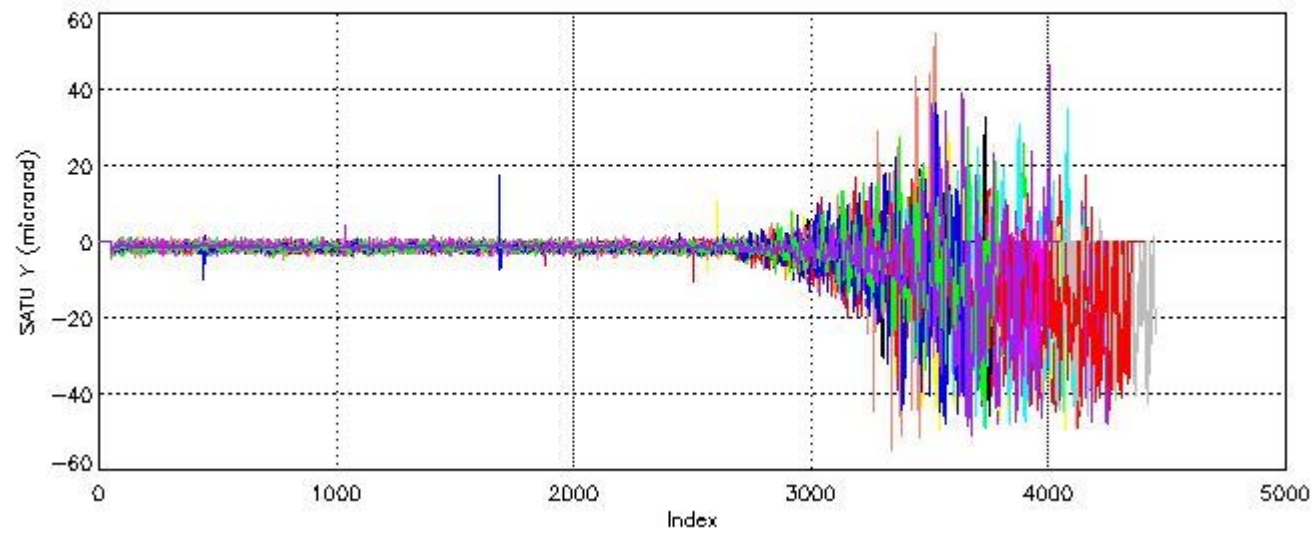
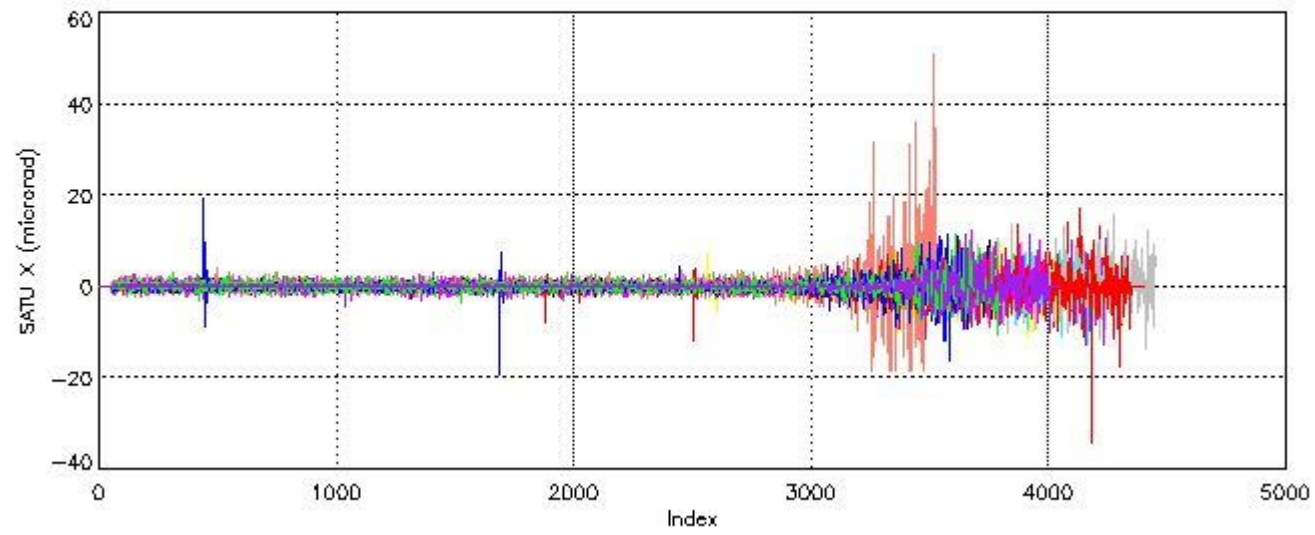


## 7. Star Acquisition and Tracking Unit (SATU)

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:	-0.0033585	-1.3934	-0.015349	-1.4071
St. deviation:	0.60287	0.70100	0.79460	0.89612
Maximum:	19.300	1.6000	3.9000	2.6000
Minimum:	-8.7000	-10.100	-4.0000	-5.4000



Number of data:	12200.	12200.	16950.	16950.
-----------------	--------	--------	--------	--------

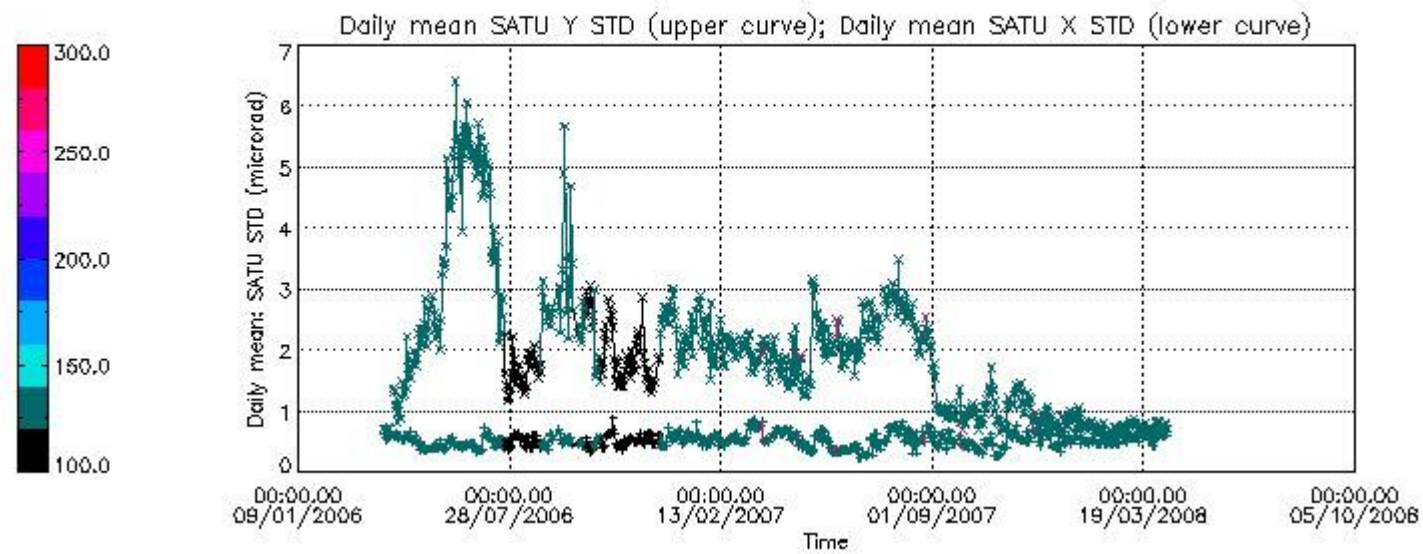
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

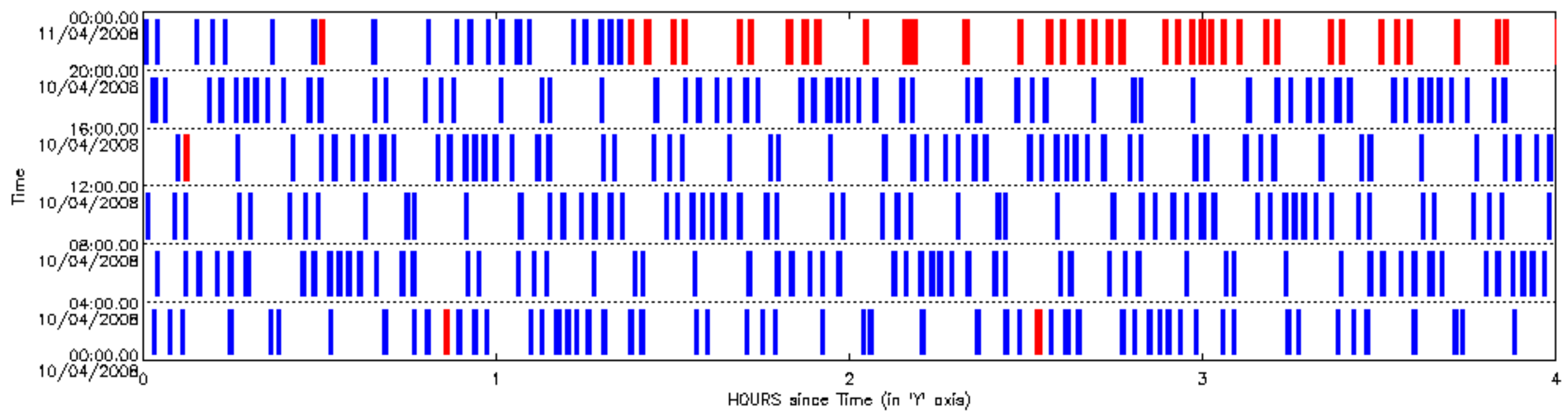
Lower curve: STD of SATU X axis

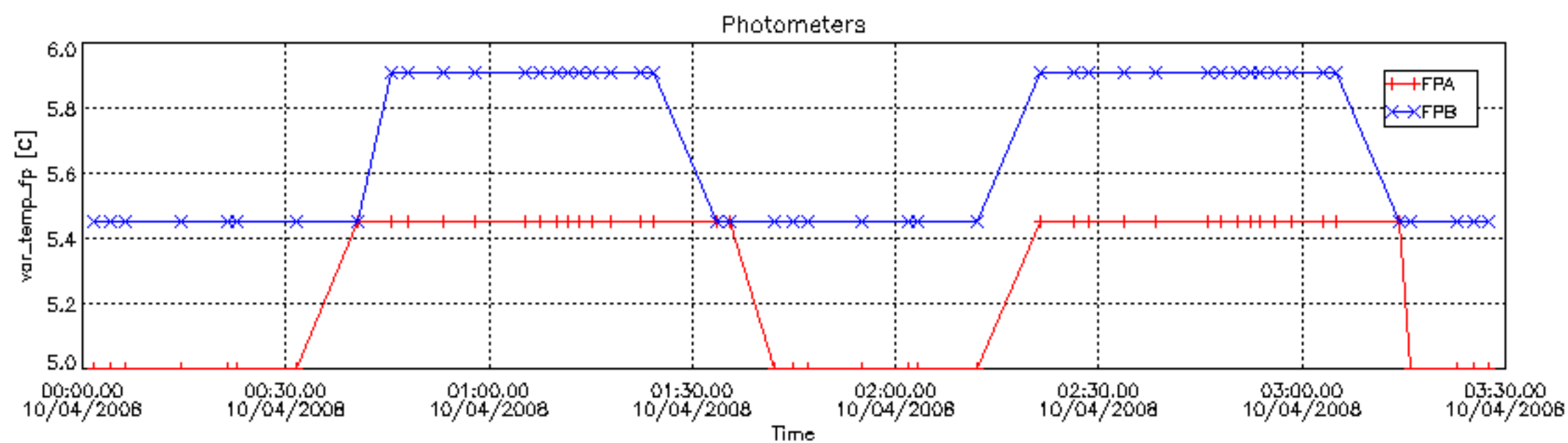
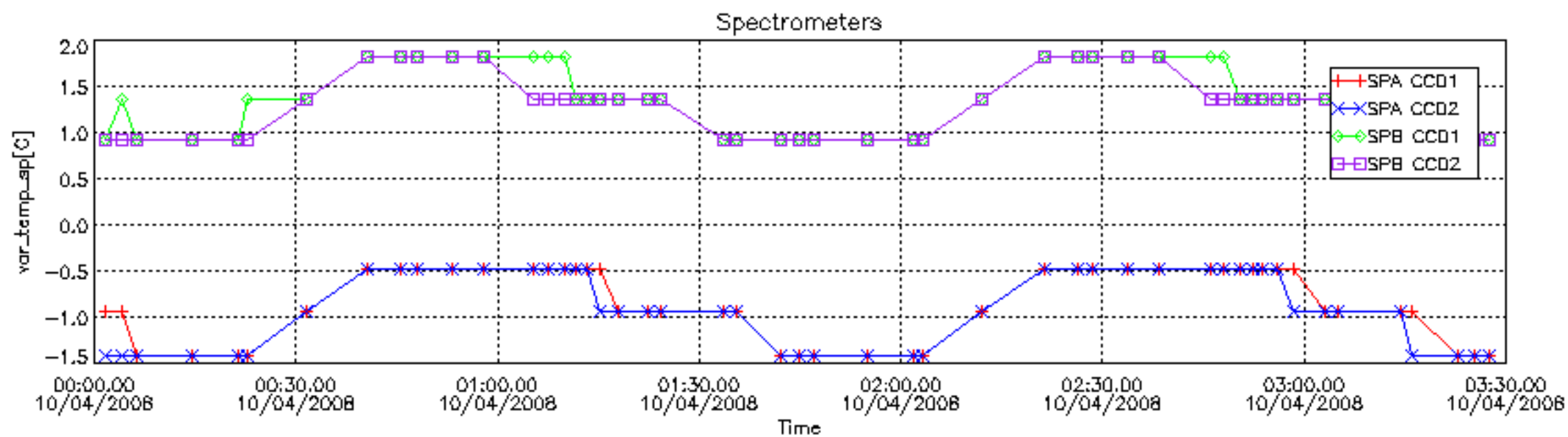


### 8. Auxiliary Data Files used for the production reported in section 2.4

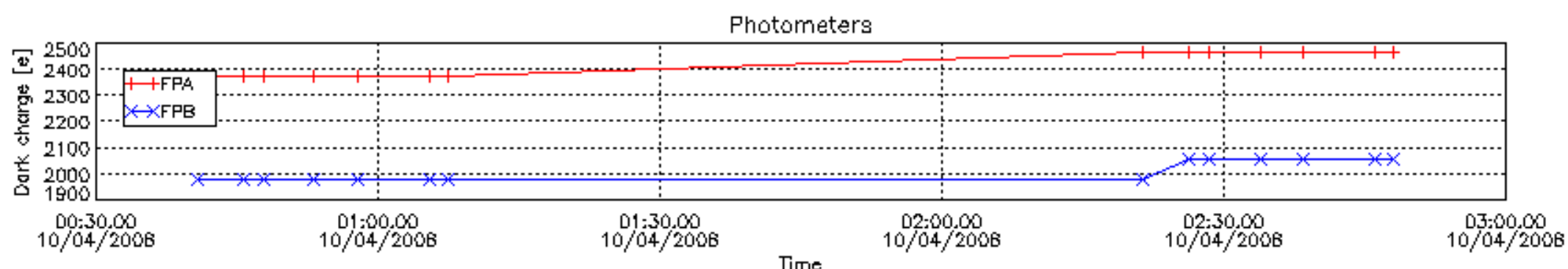
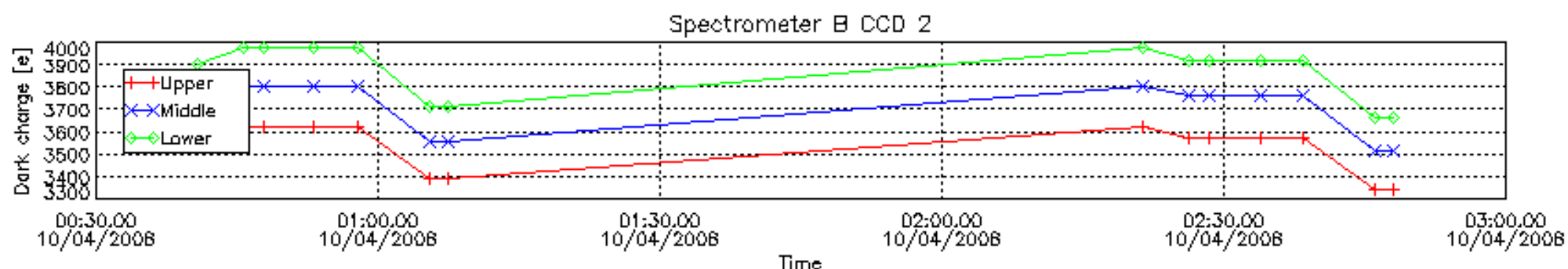
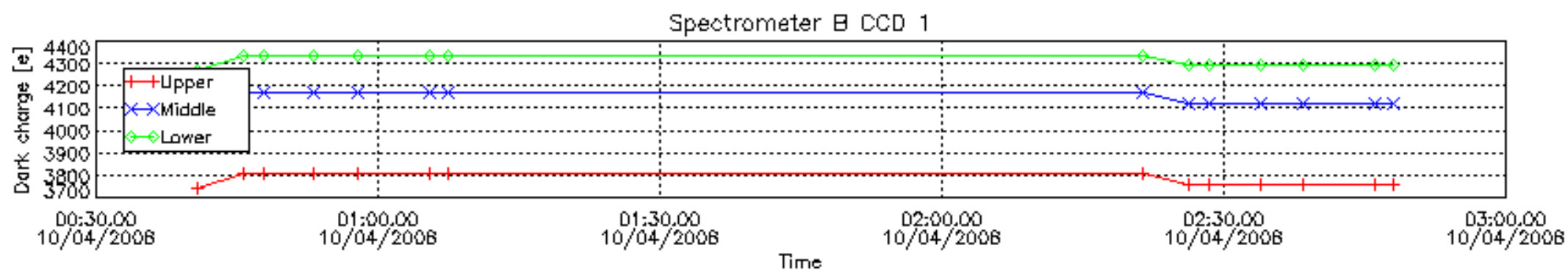
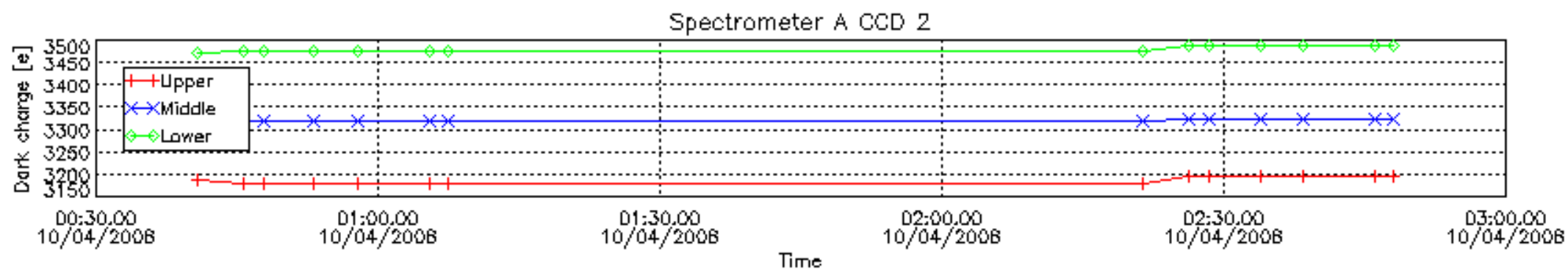
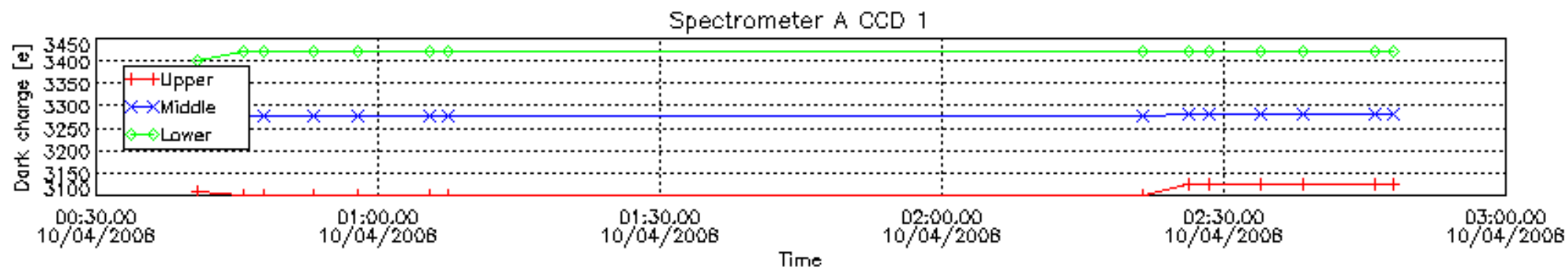
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

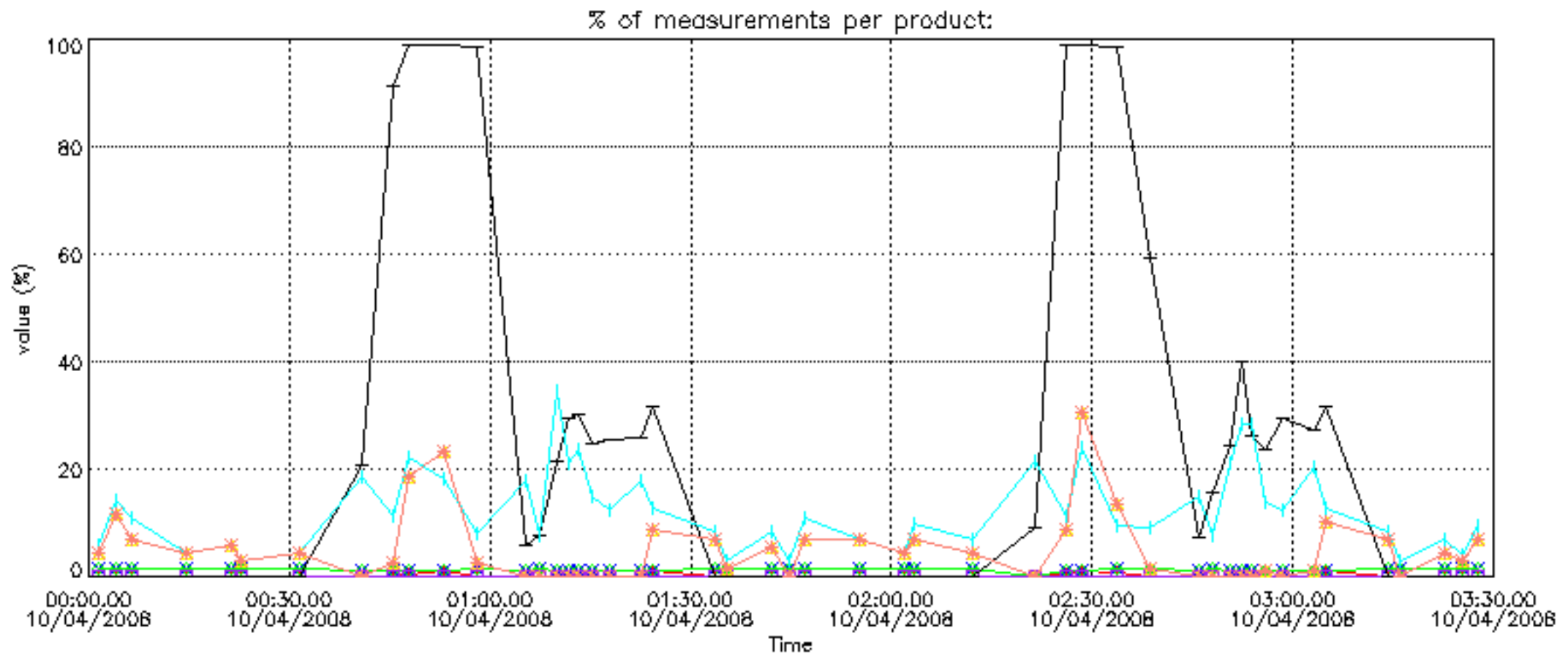
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	10-APR-2008 00:01:32
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080408_074258_20080406_000000_20100101_000000	1	10-APR-2008 00:01:32
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	10-APR-2008 00:01:32
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	10-APR-2008 00:01:32
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	10-APR-2008 00:01:32
ECMWF_FILE	AUX_ECF_AXNECM20080409_072113_20080409_210000_20080410_090000	1	10-APR-2008 00:01:32
OPTIONAL_ECMWF_FILE	MISSING	1	10-APR-2008 00:01:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080409_212130_000057382067_00329_31946_5300.N1	1	10-APR-2008 00:01:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080409_230227_000057382067_00330_31947_5301.N1	9	10-APR-2008 00:45:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080410_004324_000054192067_00331_31948_5302.N1	32	10-APR-2008 02:26:11



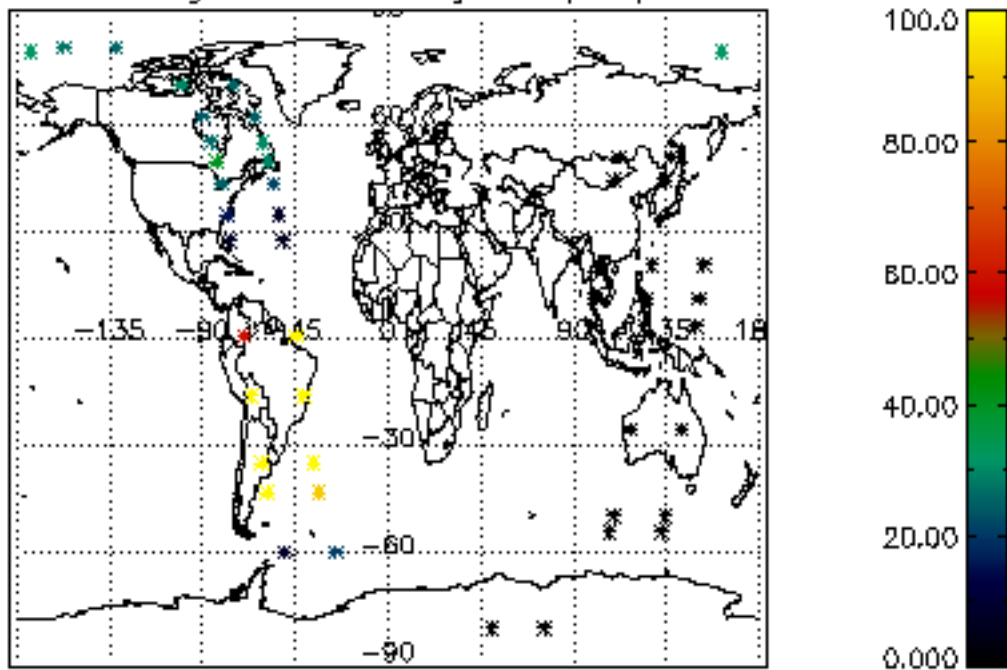




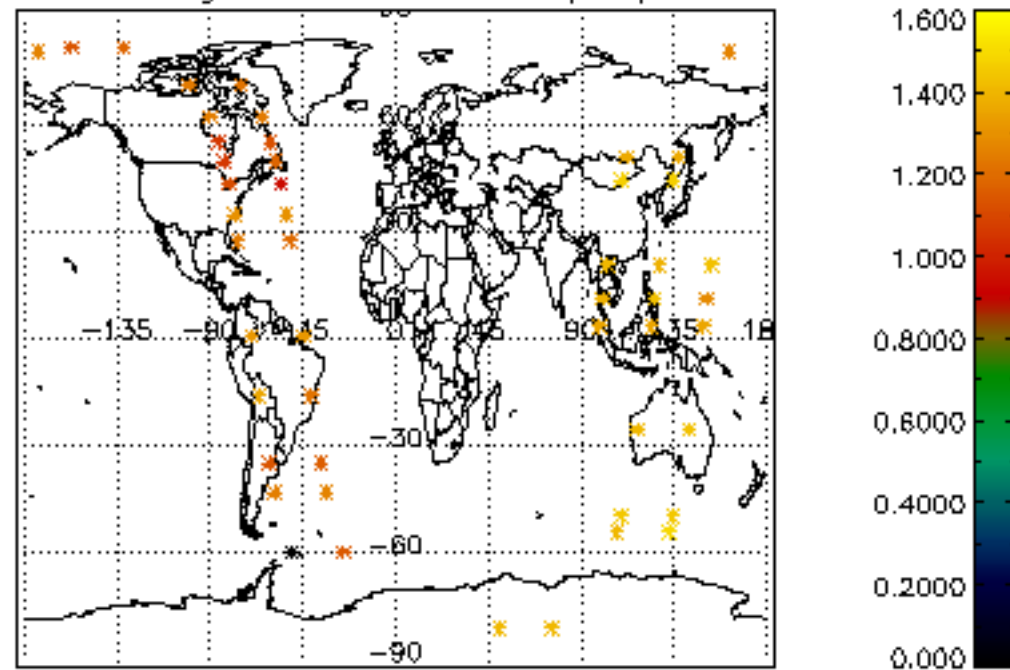




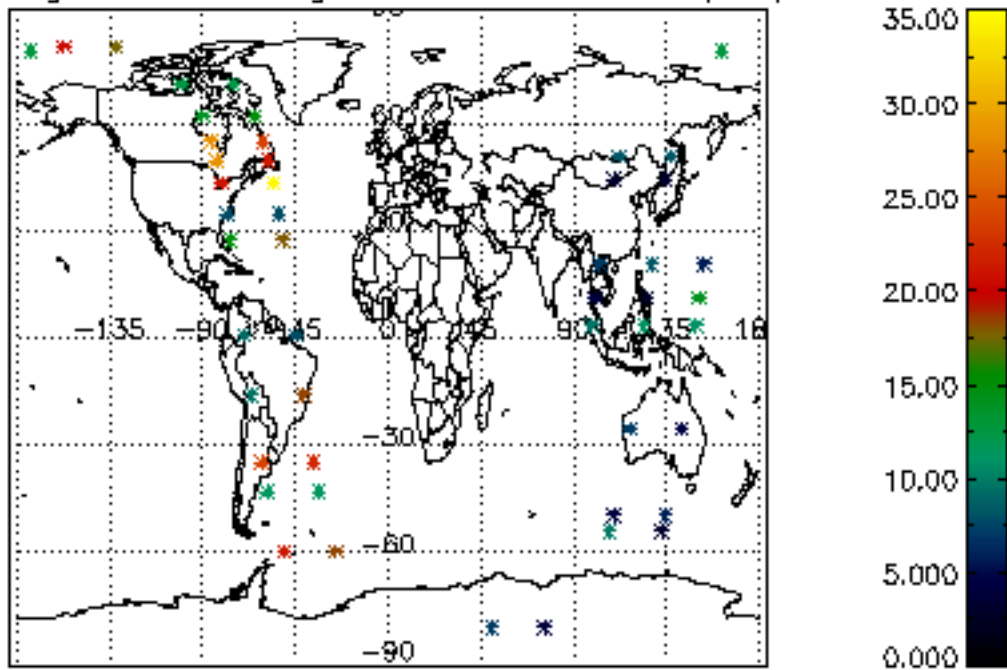
Percentage of cosmic ray hits per profile



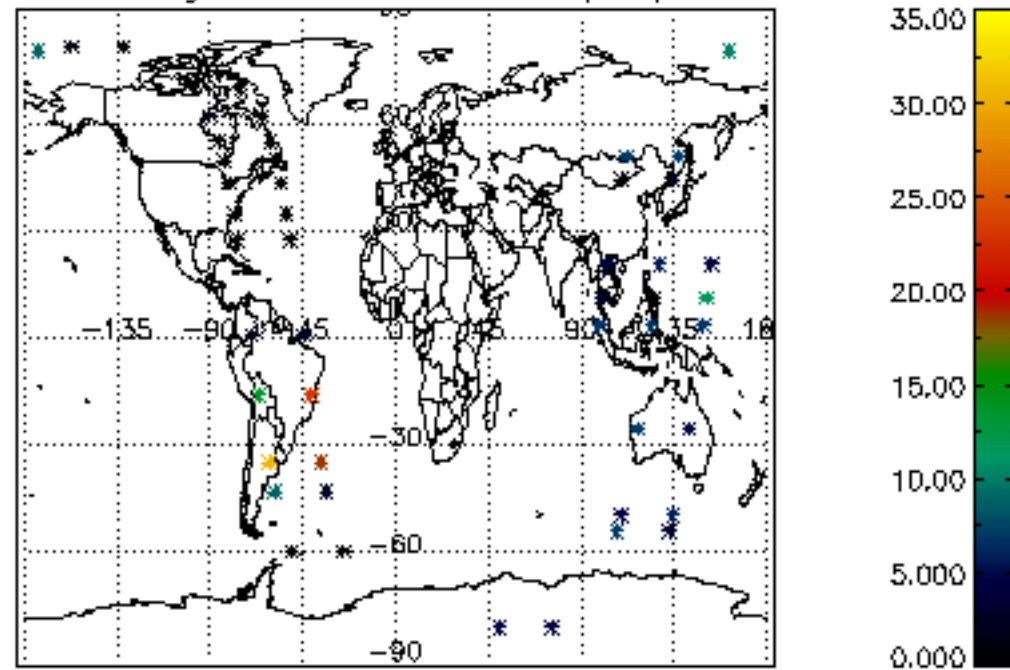
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

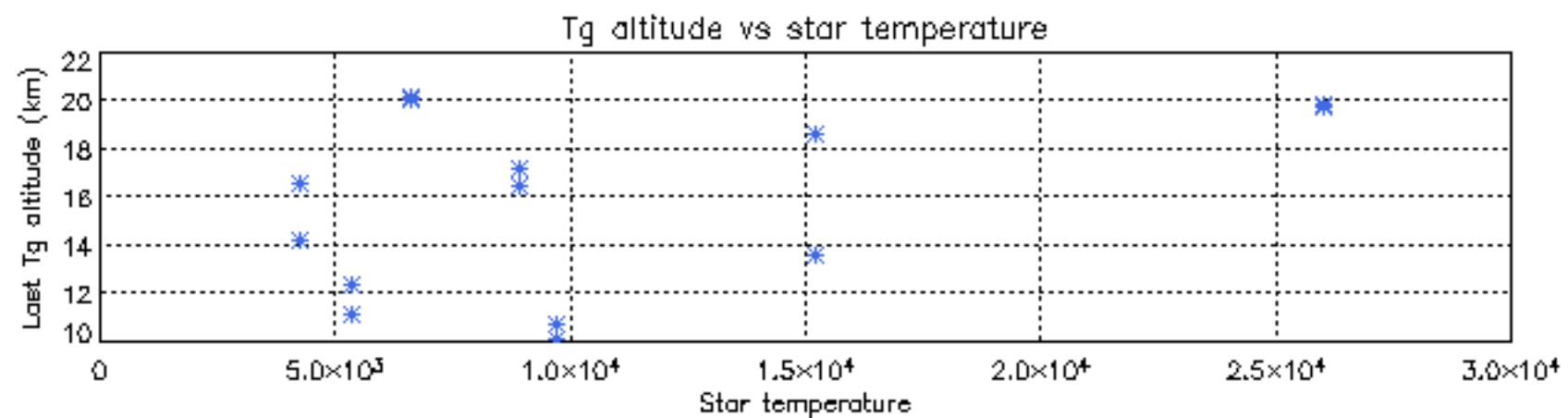
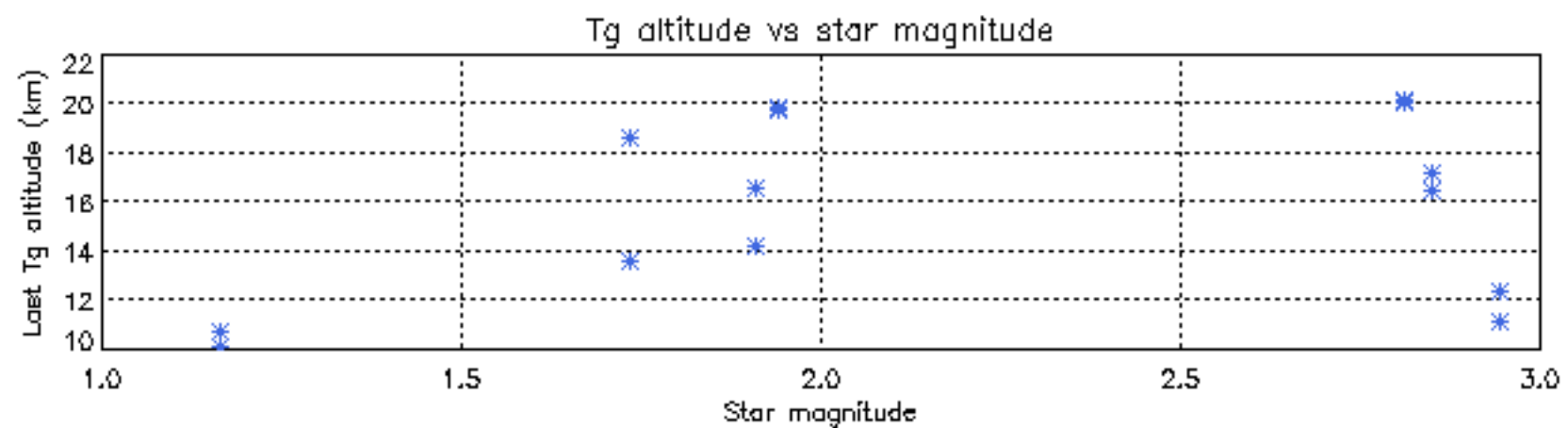
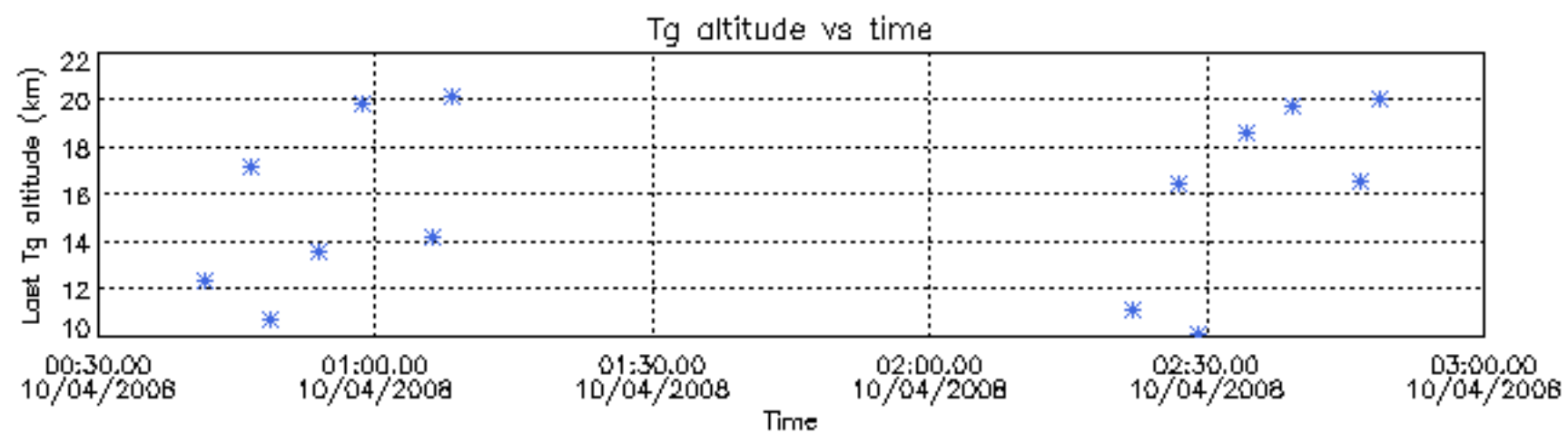


Percentage of saturation errors per profile

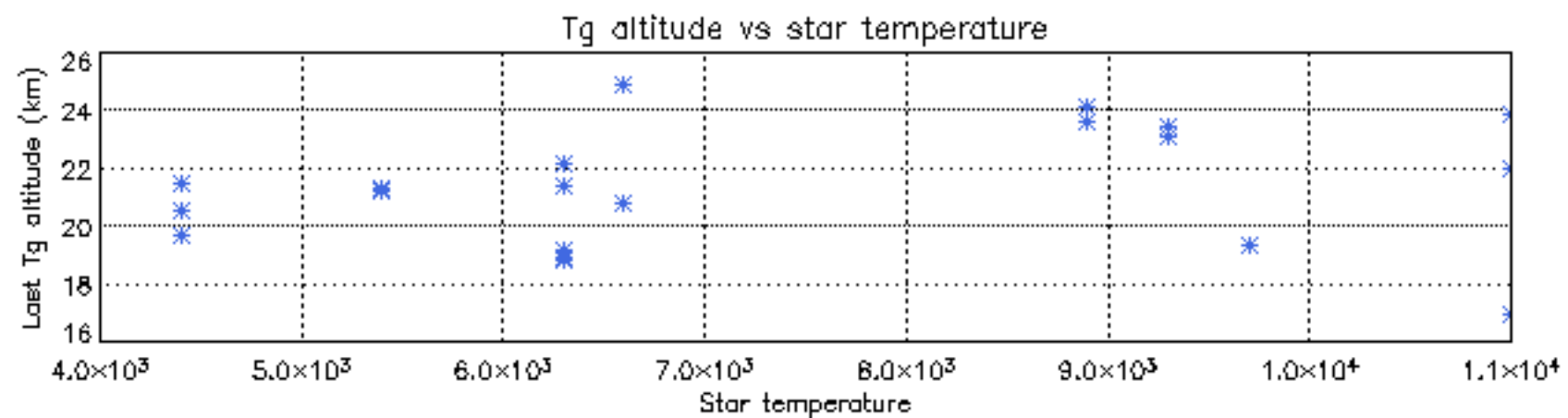
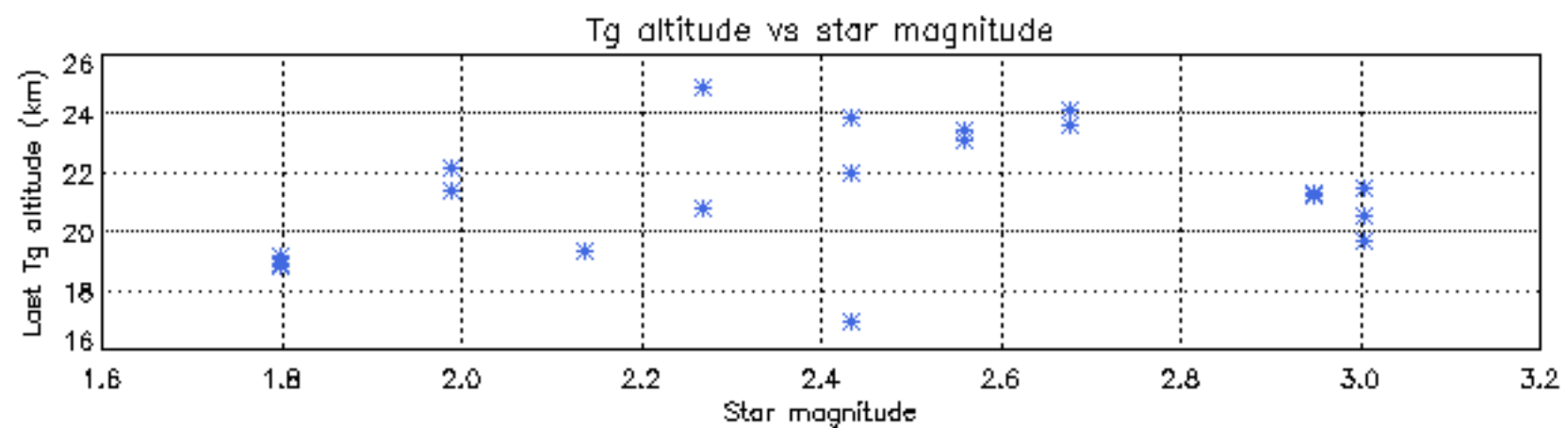
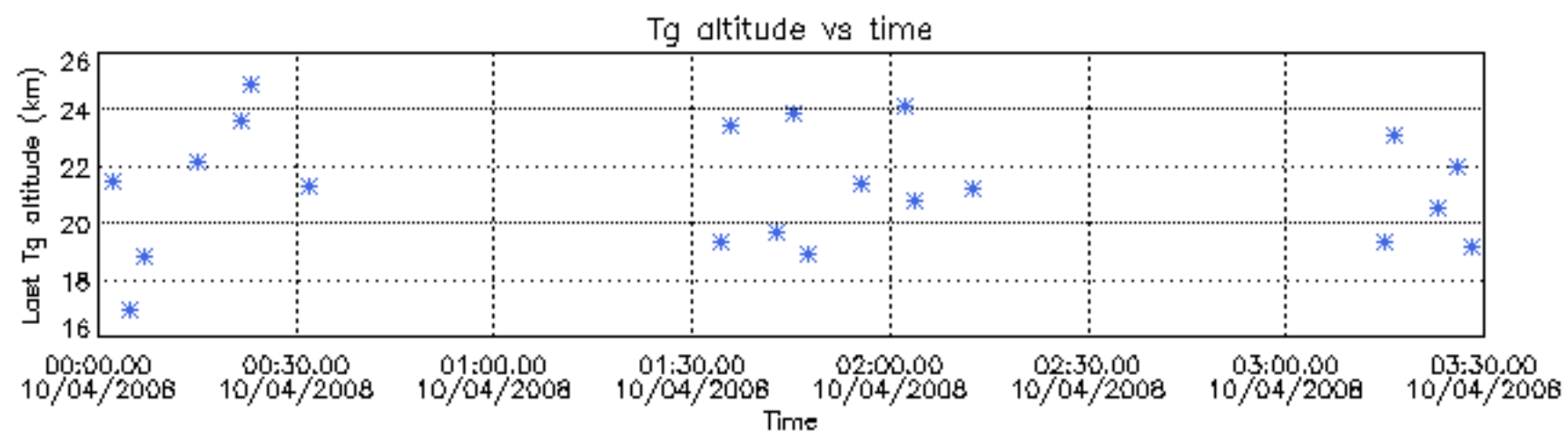


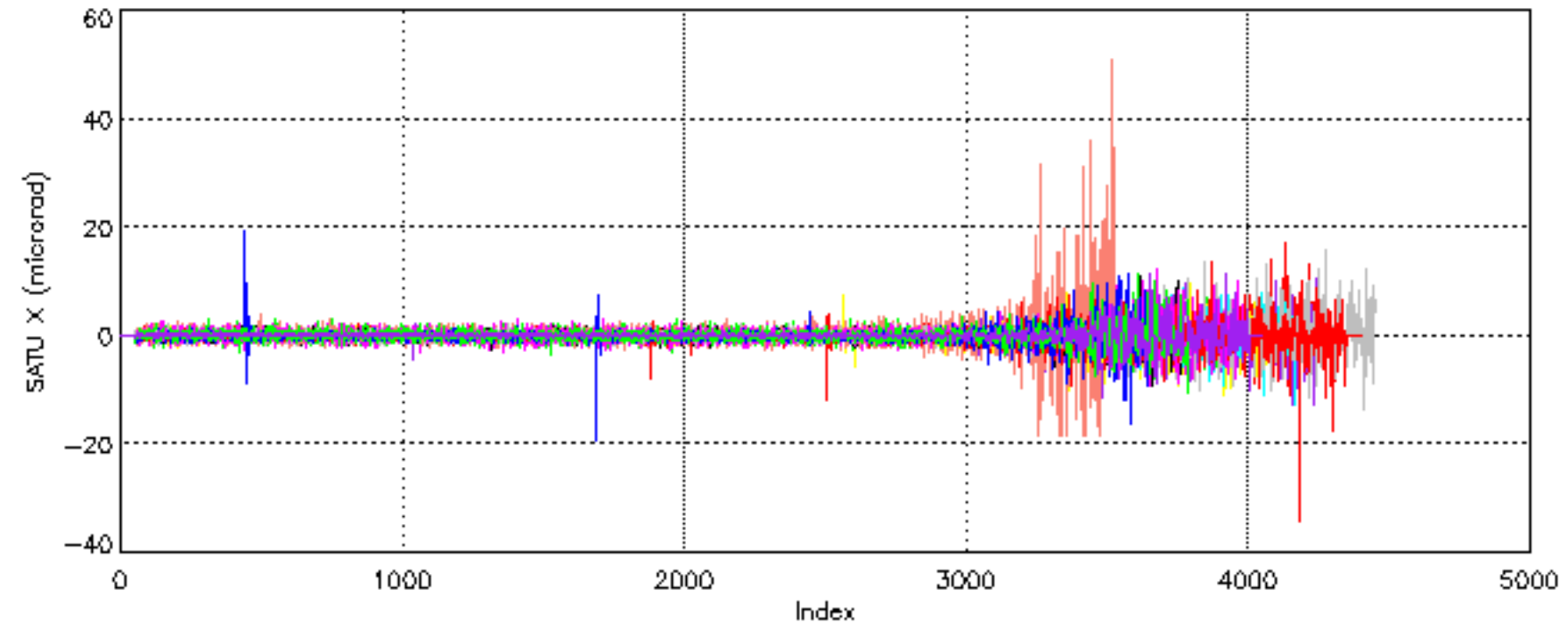


Tangent altitude at which the star is lost

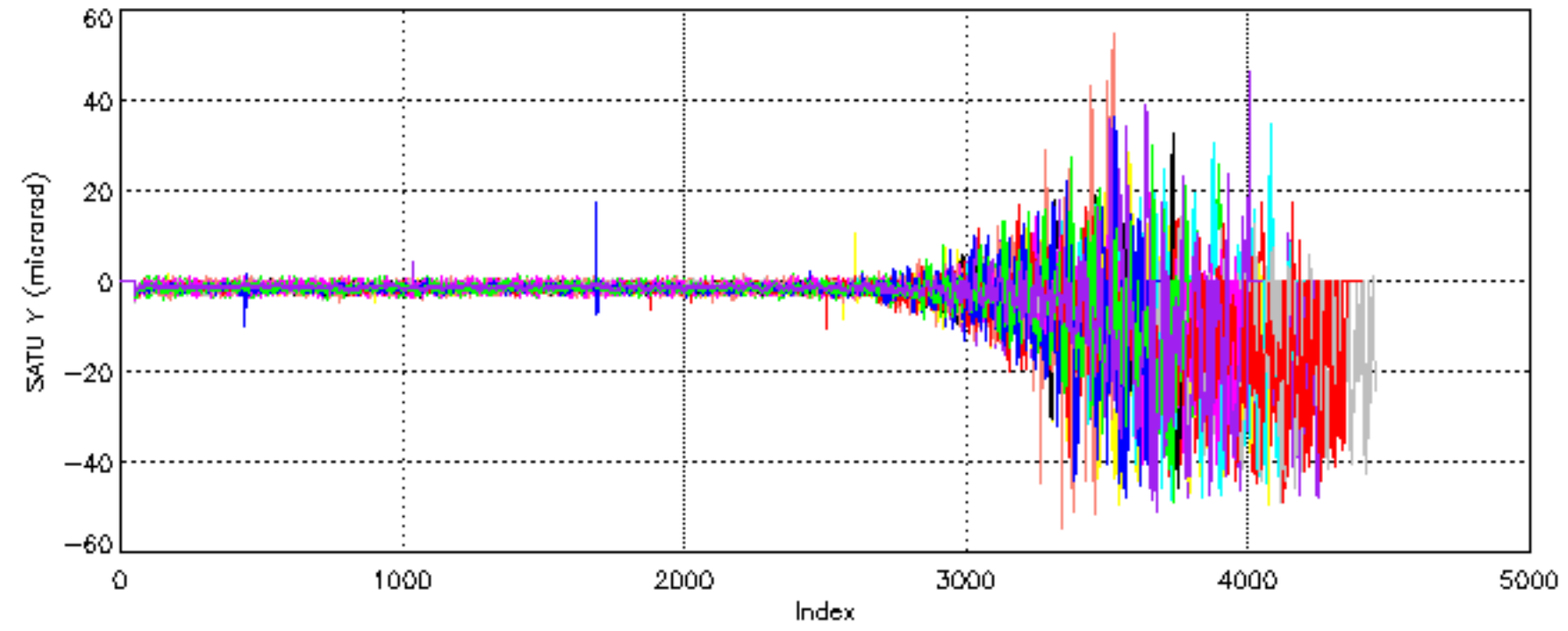


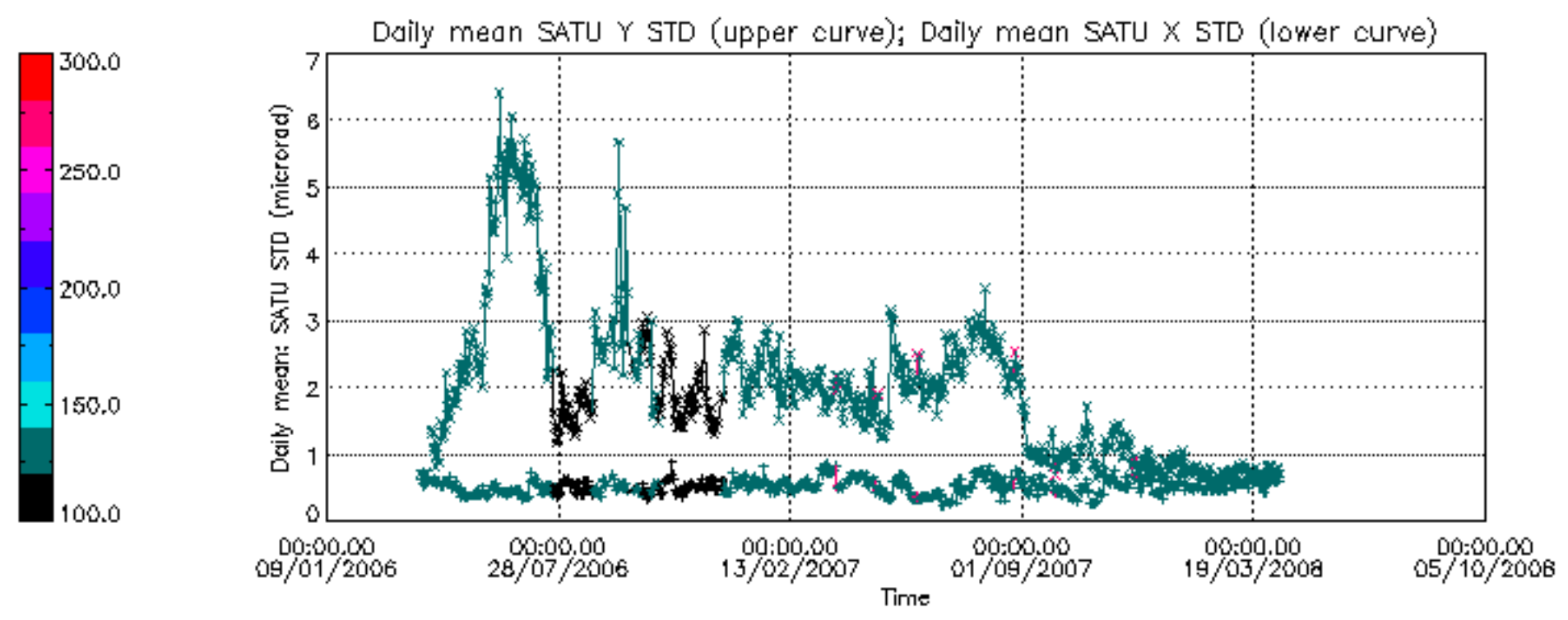
Tangent altitude at which the star is lost











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2;	2257.5;	01-APR-2008	06:19:53;	Bright;	35.5;	96;	68Del Leo	; 2.56;	9300;occ;	71;	0;	31823
3;	2666.1;	01-APR-2008	06:26:42;	Bright;	35.5;	174;	52Psi UMa	; 3.00;	4400;occ;	71;	0;	31823
4;	2846.9;	01-APR-2008	06:29:43;	Bright;	36.0;	87;	64Gam UMa	; 2.43;	11000;occ;	72;	0;	31823
5;	2957.8;	01-APR-2008	06:31:33;	Bright;	37.0;	36;	50Alp UMa	; 1.80;	6300;occ;	74;	0;	31823
6;	3440.4;	01-APR-2008	06:39:36;	Bright;	36.5;	49;	1Alp UMi	; 1.99;	6300;occ;	73;	0;	31823
7;	3901.8;	01-APR-2008	06:47:17;	Bright;	37.0;	89;	5Alp Cep	; 2.45;	8000;occ;	74;	0;	31823
8;	4829.7;	01-APR-2008	07:02:45;	Dark	; 44.0;	61;	8Eps Peg	; 2.10;	3900;occ;	88;	0;	31823
9;	5105.8;	01-APR-2008	07:07:21;	Dark	; 39.0;	154;	22Bet Aqr	; 2.90;	5700;occ;	78;	0;	31823
10;	5259.9;	01-APR-2008	07:09:56;	Dark	; 40.0;	142;	49Del Cap	; 2.85;	8900;occ;	80;	0;	31823
11;	5595.9;	01-APR-2008	07:15:32;	Dark	; 37.0;	172;	Gam Gru	; 3.00;	13100;occ;	74;	0;	31823
12;	5868.5;	01-APR-2008	07:20:04;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	31823
13;	5994.8;	01-APR-2008	07:22:10;	Dark	; 38.5;	45;	Alp Pav	; 1.94;	26000;occ;	77;	0;	31823
14;	6445.8;	01-APR-2008	07:29:41;	Dark	; 38.5;	43;	Alp TrA	; 1.91;	4250;occ;	77;	0;	31823
15;	6557.4;	01-APR-2008	07:31:33;	Dark	; 40.0;	134;	Bet TrA	; 2.81;	6600;occ;	80;	0;	31823
16;	6715.3;	01-APR-2008	07:34:11;	Dark	; 44.5;	4;	Alp1Cen	; -0.01;	5800;occ;	89;	0;	31823
17;	6850.2;	01-APR-2008	07:36:26;	Dark	; 40.5;	12;	Alp1Cru	; 0.77;	30000;occ;	81;	0;	31823
18;	6937.4;	01-APR-2008	07:37:53;	Dark	; 41.5;	26;	Gam Cru	; 1.62;	2900;occ;	83;	0;	31823
19;	7054.0;	01-APR-2008	07:39:50;	Dark	; 39.0;	64;	Gam Cen	; 2.20;	10600;occ;	78;	0;	31823
20;	7208.5;	01-APR-2008	07:42:24;	Dark	; 43.5;	123;	Iot Cen	; 2.75;	10200;occ;	87;	0;	31823
21;	7498.5;	01-APR-2008	07:47:14;	Dark	; 45.5;	106;	9Bet Crv	; 2.65;	5600;occ;	91;	0;	31823
22;	7615.9;	01-APR-2008	07:49:12;	Dark	; 39.0;	100;	4Gam Crv	; 2.58;	13100;occ;	78;	0;	31823

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2;	2257.4;	01-APR-2008	08:00:29;	Bright;	35.0;	96;	68Del Leo	; 2.56;	9300;occ;	70;	0;	31824
3;	2666.0;	01-APR-2008	08:07:18;	Bright;	35.0;	174;	52Psi UMa	; 3.00;	4400;occ;	70;	0;	31824
4;	2846.6;	01-APR-2008	08:10:18;	Bright;	37.0;	87;	64Gam UMa	; 2.43;	11000;occ;	74;	0;	31824
5;	2957.7;	01-APR-2008	08:12:09;	Bright;	35.0;	36;	50Alp UMa	; 1.80;	6300;occ;	70;	0;	31824
6;	3440.4;	01-APR-2008	08:20:12;	Bright;	34.0;	49;	1Alp UMi	; 1.99;	6300;occ;	68;	0;	31824
7;	3901.9;	01-APR-2008	08:27:53;	Bright;	37.5;	89;	5Alp Cep	; 2.45;	8000;occ;	75;	0;	31824
8;	4829.9;	01-APR-2008	08:43:22;	Dark	; 45.5;	61;	8Eps Peg	; 2.10;	3900;occ;	91;	0;	31824
9;	5106.2;	01-APR-2008	08:47:58;	Dark	; 42.5;	154;	22Bet Aqr	; 2.90;	5700;occ;	85;	0;	31824
10;	5260.2;	01-APR-2008	08:50:32;	Dark	; 38.5;	142;	49Del Cap	; 2.85;	8900;occ;	77;	0;	31824
11;	5596.0;	01-APR-2008	08:56:08;	Dark	; 38.5;	172;	Gam Gru	; 3.00;	13100;occ;	77;	0;	31824
12;	5868.8;	01-APR-2008	09:00:40;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	31824
13;	5995.1;	01-APR-2008	09:02:47;	Dark	; 37.0;	45;	Alp Pav	; 1.94;	26000;occ;	74;	0;	31824
14;	6446.2;	01-APR-2008	09:10:18;	Dark	; 39.0;	43;	Alp TrA	; 1.91;	4250;occ;	78;	0;	31824
15;	6557.8;	01-APR-2008	09:12:09;	Dark	; 38.0;	134;	Bet TrA	; 2.81;	6600;occ;	76;	0;	31824
16;	6715.7;	01-APR-2008	09:14:47;	Dark	; 46.5;	4;	Alp1Cen	; -0.01;	5800;occ;	93;	0;	31824
17;	6850.4;	01-APR-2008	09:17:02;	Dark	; 41.5;	12;	Alp1Cru	; 0.77;	30000;occ;	83;	0;	31824
18;	6937.6;	01-APR-2008	09:18:29;	Dark	; 42.0;	26;	Gam Cru	; 1.62;	2900;occ;	84;	0;	31824
19;	7054.2;	01-APR-2008	09:20:26;	Dark	; 38.5;	64;	Gam Cen	; 2.20;	10600;occ;	77;	0;	31824
20;	7208.8;	01-APR-2008	09:23:00;	Dark	; 43.0;	123;	Iot Cen	; 2.75;	10200;occ;	86;	0;	31824
21;	7498.5;	01-APR-2008	09:27:50;	Dark	; 46.0;	106;	9Bet Crv	; 2.65;	5600;occ;	92;	0;	31824
22;	7615.8;	01-APR-2008	09:29:47;	Dark	; 42.0;	100;	4Gam Crv	; 2.58;	13100;occ;	84;	0;	31824

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2;	2257.4;	01-APR-2008	09:41:05;	Bright;	36.0;	96;	68Del Leo	; 2.56;	9300;occ;	72;	0;	31825
3;	2666.0;	01-APR-2008	09:47:53;	Bright;	36.5;	174;	52Psi UMa	; 3.00;	4400;occ;	73;	0;	31825
4;	2846.3;	01-APR-2008	09:50:54;	Bright;	36.0;	87;	64Gam UMa	; 2.43;	11000;occ;	72;	0;	31825
5;	2957.7;	01-APR-2008	09:52:45;	Bright;	37.0;	36;	50Alp UMa	; 1.80;	6300;occ;	74;	0;	31825
6;	3440.3;	01-APR-2008	10:00:48;	Bright;	36.5;	49;	1Alp UMi	; 1.99;	6300;occ;	73;	0;	31825
7;	3901.7;	01-APR-2008	10:08:29;	Bright;	35.0;	89;	5Alp Cep	; 2.45;	8000;occ;	70;	0;	31825
8;	4830.2;	01-APR-2008	10:23:58;	Dark	; 45.5;	61;	8Eps Peg	; 2.10;	3900;occ;	91;	0;	31825
9;	5106.5;	01-APR-2008	10:28:34;	Dark	; 42.0;	154;	22Bet Aqr	; 2.90;	5700;occ;	84;	0;	31825
10;	5260.5;	01-APR-2008	10:31:08;	Dark	; 41.0;	142;	49Del Cap	; 2.85;	8900;occ;	82;	0;	31825
11;	5596.2;	01-APR-2008	10:36:44;	Dark	; 37.0;	172;	Gam Gru	; 3.00;	13100;occ;	74;	0;	31825
12;	5869.2;	01-APR-2008	10:41:17;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	31825
13;	5995.5;	01-APR-2008	10:43:23;	Dark	; 37.0;	45;	Alp Pav	; 1.94;	26000;occ;	74;	0;	31825
14;	6446.5;	01-APR-2008	10:50:54;	Dark	; 37.5;	43;	Alp TrA	; 1.91;	4250;occ;	75;	0;	31825
15;	6558.3;	01-APR-2008	10:52:46;	Dark	; 37.5;	134;	Bet TrA	; 2.81;	6600;occ;	75;	0;	31825
16;	6716.2;	01-APR-2008	10:55:24;	Dark	; 52.0;	4;	Alp1Cen	; -0.01;	5800;occ;	104;	0;	31825
17;	6850.5;	01-APR-2008	10:57:38;	Dark	; 40.5;	12;	Alp1Cru	; 0.77;	30000;occ;	81;	0;	31825
18;	6937.8;	01-APR-2008	10:59:05;	Dark	; 41.0;	26;	Gam Cru	; 1.62;	2900;occ;	82;	0;	31825
19;	7054.5;	01-APR-2008	11:01:02;	Dark	; 38.0;	64;	Gam Cen	; 2.20;	10600;occ;	76;	0;	31825
20;	7209.3;	01-APR-2008	11:03:37;	Dark	; 41.5;	123;	Iot Cen	; 2.75;	10200;occ;	83;	0;	31825
21;	7498.7;	01-APR-2008	11:08:26;	Dark	; 47.0;	106;	9Bet Crv	; 2.65;	5600;occ;	94;	0;	31825

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22; 7615.9; 01-APR-2008 11:10:23; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;31825
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1; 2160.1; 01-APR-2008 11:20:03; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;31826
2; 2257.3; 01-APR-2008 11:21:41; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;31826
3; 2665.9; 01-APR-2008 11:28:29; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;31826
4; 2846.0; 01-APR-2008 11:31:29; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31826
5; 2957.6; 01-APR-2008 11:33:21; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31826
6; 3440.5; 01-APR-2008 11:41:24; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31826
7; 3901.7; 01-APR-2008 11:49:05; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;31826
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11; 5596.6; 01-APR-2008 12:17:20; Dark ; 35.5; 172; Gam Gru ; 3.00; 13100;occ; 71; 0;31826
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18; 7054.8; 01-APR-2008 12:41:38; Dark ; 36.0; 64; Gam Cen ; 2.20; 10600;occ; 72; 0;31826
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13; 4985.6; 02-APR-2008 19:58:32; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;31845
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14; 5114.6; 02-APR-2008 21:41:17; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;31846

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 5; 2841.0; 03-APR-2008 03:45:46; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31850  
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 6; 3321.3; 04-APR-2008 08:23:58; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;31867  
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 2; 1586.4; 04-APR-2008 14:37:26; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;31871  
 3; 2156.8; 04-APR-2008 14:46:57; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31871  
 4; 2258.7; 04-APR-2008 14:48:38; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;31871  
 5; 2664.4; 04-APR-2008 14:55:24; Bright; 33.5; 174; 52Psi UMa ; 3.00; 4400;occ; 67; 0;31871  
 6; 2837.2; 04-APR-2008 14:58:17; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31871  
 7; 2956.0; 04-APR-2008 15:00:16; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31871  
 8; 3320.0; 04-APR-2008 15:06:20; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;31871  
 9; 3441.1; 04-APR-2008 15:08:21; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;31871  
 10; 3898.5; 04-APR-2008 15:15:58; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;31871  
 11; 4843.8; 04-APR-2008 15:31:44; Dark ; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;31871  
 12; 4993.1; 04-APR-2008 15:34:13; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;31871  
 13; 5125.0; 04-APR-2008 15:36:25; Dark ; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;31871  
 14; 5276.8; 04-APR-2008 15:38:57; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31871  
 15; 5608.7; 04-APR-2008 15:44:28; Dark ; 36.5; 172; Gam Gru ; 3.00; 13100;occ; 73; 0;31871  
 16; 5888.3; 04-APR-2008 15:49:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31871  
 17; 6014.3; 04-APR-2008 15:51:14; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31871  
 18; 6466.0; 04-APR-2008 15:58:46; Dark ; 37.5; 43; Alp TrA ; 1.91; 4250;occ; 75; 0;31871  
 19; 6581.8; 04-APR-2008 16:00:42; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;31871  
 20; 6736.9; 04-APR-2008 16:03:17; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;31871  
 21; 6860.7; 04-APR-2008 16:05:20; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;31871

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23; 7068.1; 04-APR-2008 16:08:48; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;31871
24; 7226.0; 04-APR-2008 16:11:26; Dark ; 22.0; 123; Iot Cen ; 2.75; 10200;occ; 44; 0;31871
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2; 1471.6; 04-APR-2008 16:16:07; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;31872
3; 1586.5; 04-APR-2008 16:18:02; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;31872
4; 2156.7; 04-APR-2008 16:27:32; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31872
5; 2258.6; 04-APR-2008 16:29:14; Bright; 34.0; 96; 68Del Leo ; 2.56; 9300;occ; 68; 0;31872
6; 2664.2; 04-APR-2008 16:36:00; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;31872
7; 2836.8; 04-APR-2008 16:38:53; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;31872
8; 2955.9; 04-APR-2008 16:40:52; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31872
9; 3319.7; 04-APR-2008 16:46:55; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;31872
10; 3441.0; 04-APR-2008 16:48:57; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;31872
11; 3898.3; 04-APR-2008 16:56:34; Bright; 35.0; 89; 5Alp Cep ; 2.45; 8000;occ; 70; 0;31872
12; 4844.1; 04-APR-2008 17:12:20; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;31872
13; 4993.3; 04-APR-2008 17:14:49; Dark ; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;31872
14; 5125.5; 04-APR-2008 17:17:01; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;31872
15; 5277.1; 04-APR-2008 17:19:33; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31872
16; 5608.9; 04-APR-2008 17:25:05; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;31872
17; 5888.8; 04-APR-2008 17:29:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31872
18; 6014.8; 04-APR-2008 17:31:51; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;31872
19; 6466.4; 04-APR-2008 17:39:22; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;31872
20; 6582.3; 04-APR-2008 17:41:18; Dark ; 36.0; 134; Bet TrA ; 2.81; 6600;occ; 72; 0;31872
21; 6737.3; 04-APR-2008 17:43:53; Dark ; 46.5; 4; Alp1Cen ; -0.01; 5800;occ; 93; 0;31872
22; 6860.9; 04-APR-2008 17:45:57; Dark ; 37.5; 12; Alp1Cru ; 0.77; 30000;occ; 75; 0;31872
23; 6949.9; 04-APR-2008 17:47:26; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;31872
24; 7068.4; 04-APR-2008 17:49:24; Dark ; 38.0; 64; Gam Cen ; 2.20; 10600;occ; 76; 0;31872
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3; 1471.7; 04-APR-2008 17:56:44; Dark ; 47.0; 106; 9Bet Crv ; 2.65; 5600;occ; 94; 0;31873
4; 1586.7; 04-APR-2008 17:58:38; Dark ; 37.5; 100; 4Gam Crv ; 2.58; 13100;occ; 75; 0;31873
5; 2156.6; 04-APR-2008 18:08:08; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31873
6; 2258.7; 04-APR-2008 18:09:51; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31873
7; 2664.3; 04-APR-2008 18:16:36; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;31873
8; 2836.7; 04-APR-2008 18:19:28; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31873
9; 2955.9; 04-APR-2008 18:21:28; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31873
10; 3319.3; 04-APR-2008 18:27:31; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;31873
11; 3440.9; 04-APR-2008 18:29:33; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;31873
12; 3898.2; 04-APR-2008 18:37:10; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;31873
13; 4844.3; 04-APR-2008 18:52:56; Dark ; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;31873
14; 4993.6; 04-APR-2008 18:55:25; Dark ; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;31873
15; 5125.8; 04-APR-2008 18:57:38; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;31873
16; 5277.5; 04-APR-2008 19:00:09; Dark ; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;31873
17; 5609.2; 04-APR-2008 19:05:41; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31873
18; 5889.2; 04-APR-2008 19:10:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31873
19; 6015.1; 04-APR-2008 19:12:27; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;31873
20; 6466.8; 04-APR-2008 19:19:59; Dark ; 47.5; 43; Alp TrA ; 1.91; 4250;occ; 95; 0;31873
21; 6582.7; 04-APR-2008 19:21:54; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;31873
22; 6737.7; 04-APR-2008 19:24:30; Dark ; 46.5; 4; Alp1Cen ; -0.01; 5800;occ; 93; 0;31873
23; 6861.0; 04-APR-2008 19:26:33; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;31873
24; 6950.1; 04-APR-2008 19:28:02; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31873
25; 7068.6; 04-APR-2008 19:30:00; Dark ; 29.5; 64; Gam Cen ; 2.20; 10600;occ; 59; 0;31873
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2; 1190.7; 04-APR-2008 19:32:38; Dark ; 42.5; 123; Iot Cen ; 2.75; 10200;occ; 85; 0;31874
3; 1472.0; 04-APR-2008 19:37:20; Dark ; 44.5; 106; 9Bet Crv ; 2.65; 5600;occ; 89; 0;31874
4; 1586.8; 04-APR-2008 19:39:15; Dark ; 42.0; 100; 4Gam Crv ; 2.58; 13100;occ; 84; 0;31874
5; 2156.5; 04-APR-2008 19:48:44; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31874
6; 2258.6; 04-APR-2008 19:50:26; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31874
7; 2664.3; 04-APR-2008 19:57:12; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31874
8; 2836.4; 04-APR-2008 20:00:04; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31874
9; 2955.7; 04-APR-2008 20:02:03; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31874
10; 3318.8; 04-APR-2008 20:08:07; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;31874
11; 3440.9; 04-APR-2008 20:10:09; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;31874
12; 3898.1; 04-APR-2008 20:17:46; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;31874
13; 4844.5; 04-APR-2008 20:33:32; Dark ; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;31874

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14; 4993.8; 04-APR-2008 20:36:02; Dark ; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;31874  
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 16; 5277.7; 04-APR-2008 20:40:46; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31874  
 17; 5609.5; 04-APR-2008 20:46:17; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31874  
 18; 5889.6; 04-APR-2008 20:50:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31874  
 19; 6015.5; 04-APR-2008 20:53:03; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31874  
 20; 6467.0; 04-APR-2008 21:00:35; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31874  
 21; 6583.0; 04-APR-2008 21:02:31; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31874  
 22; 6738.1; 04-APR-2008 21:05:06; Dark ; 47.5; 4; Alp1Cen ; -0.01; 5800;occ; 95; 0;31874  
 23; 6861.1; 04-APR-2008 21:07:09; Dark ; 38.0; 12; Alp1Cru ; 0.77; 30000;occ; 76; 0;31874  
 24; 6950.2; 04-APR-2008 21:08:38; Dark ; 45.0; 26; Gam Cru ; 1.62; 2900;occ; 90; 0;31874  
 25; 7068.7; 04-APR-2008 21:10:37; Dark ; 17.0; 64; Gam Cen ; 2.20; 10600;occ; 34; 0;31874

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 3; 1191.0; 04-APR-2008 21:13:15; Dark ; 43.5; 123; Tot Cen ; 2.75; 10200;occ; 87; 0;31875  
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 5; 1586.9; 04-APR-2008 21:19:51; Dark ; 40.0; 100; 4Gam Crv ; 2.58; 13100;occ; 80; 0;31875  
 6; 2156.5; 04-APR-2008 21:29:20; Bright; 41.0; 62; 94Bet Leo ; 2.14; 9700;occ; 82; 0;31875  
 7; 2258.7; 04-APR-2008 21:31:02; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31875  
 8; 2664.2; 04-APR-2008 21:37:48; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;31875  
 9; 2836.1; 04-APR-2008 21:40:40; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31875  
 10; 2955.8; 04-APR-2008 21:42:39; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;31875  
 11; 3318.5; 04-APR-2008 21:48:42; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;31875  
 12; 3440.9; 04-APR-2008 21:50:45; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31875  
 13; 3898.0; 04-APR-2008 21:58:22; Bright; 35.5; 89; 5Alp Cep ; 2.45; 8000;occ; 71; 0;31875  
 14; 4844.7; 04-APR-2008 22:14:08; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;31875  
 15; 4994.0; 04-APR-2008 22:16:38; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;31875  
 16; 5126.5; 04-APR-2008 22:18:50; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;31875  
 17; 5278.2; 04-APR-2008 22:21:22; Dark ; 39.0; 142; 49Del Cap ; 2.85; 8900;occ; 78; 0;31875  
 18; 5609.6; 04-APR-2008 22:26:53; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31875  
 19; 5889.9; 04-APR-2008 22:31:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31875  
 20; 6015.8; 04-APR-2008 22:33:39; Dark ; 37.5; 45; Alp Pav ; 1.94; 26000;occ; 75; 0;31875  
 21; 6467.4; 04-APR-2008 22:41:11; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;31875  
 22; 6583.5; 04-APR-2008 22:43:07; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31875  
 23; 6738.4; 04-APR-2008 22:45:42; Dark ; 52.0; 4; Alp1Cen ; -0.01; 5800;occ; 104; 0;31875  
 24; 6861.3; 04-APR-2008 22:47:45; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;31875  
 25; 6950.3; 04-APR-2008 22:49:14; Dark ; 47.0; 26; Gam Cru ; 1.62; 2900;occ; 94; 0;31875  
 26; 7069.0; 04-APR-2008 22:51:13; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;31875  
 27; 7227.1; 04-APR-2008 22:53:51; Dark ; 42.5; 123; Tot Cen ; 2.75; 10200;occ; 85; 0;31875

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 3; 2156.3; 05-APR-2008 00:50:32; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31877  
 4; 2258.6; 05-APR-2008 00:52:14; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31877  
 5; 2664.2; 05-APR-2008 00:59:00; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31877  
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 11; 4845.4; 05-APR-2008 01:35:21; Dark ; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;31877  
 12; 4994.6; 05-APR-2008 01:37:50; Dark ; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;31877  
 13; 5127.3; 05-APR-2008 01:40:03; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;31877  
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 15; 5890.8; 05-APR-2008 01:52:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31877  
 16; 6016.6; 05-APR-2008 01:54:52; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;31877  
 17; 6468.3; 05-APR-2008 02:02:24; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31877  
 18; 6584.5; 05-APR-2008 02:04:20; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31877  
 19; 6739.3; 05-APR-2008 02:06:55; Dark ; 45.5; 4; Alp1Cen ; -0.01; 5800;occ; 91; 0;31877  
 20; 6861.7; 05-APR-2008 02:08:57; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;31877  
 21; 6950.9; 05-APR-2008 02:10:26; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;31877  
 22; 7069.6; 05-APR-2008 02:12:25; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;31877  
 23; 7227.9; 05-APR-2008 02:15:03; Dark ; 42.0; 123; Tot Cen ; 2.75; 10200;occ; 84; 0;31877  
 24; 7508.6; 05-APR-2008 02:19:44; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31877

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 2; 1587.2; 05-APR-2008 02:21:38; Dark ; 40.5; 100; 4Gam Crv ; 2.58; 13100;occ; 81; 0;31878

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3; 2156.3; 05-APR-2008 02:31:08; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;31878
4; 2258.7; 05-APR-2008 02:32:50; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31878
5; 2664.2; 05-APR-2008 02:39:35; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31878
6; 2835.6; 05-APR-2008 02:42:27; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31878
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 4; 2259.4; 05-APR-2008 14:17:02; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31885  
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 6; 2834.6; 05-APR-2008 14:26:37; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31885  
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 8; 3441.3; 05-APR-2008 14:36:44; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;31885  
 9; 3857.3; 05-APR-2008 14:43:40; Bright; 52.0; 76; 27Gam Cas ; 2.30; 30000;occ; 104; 0;31885  
 10; 3937.0; 05-APR-2008 14:45:00; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;31885  
 11; 4848.2; 05-APR-2008 15:00:11; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;31885  
 12; 4997.2; 05-APR-2008 15:02:40; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;31885  
 13; 5131.1; 05-APR-2008 15:04:54; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;31885  
 14; 5282.2; 05-APR-2008 15:07:25; Dark ; 37.0; 142; 49Del Cap ; 2.85; 8900;occ; 74; 0;31885  
 15; 5613.0; 05-APR-2008 15:12:56; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31885  
 16; 5752.1; 05-APR-2008 15:15:15; Dark ; 37.5; 31; Alp Gru ; 1.73; 15200;occ; 75; 0;31885  
 17; 5894.4; 05-APR-2008 15:17:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31885  
 18; 6020.3; 05-APR-2008 15:19:43; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;31885  
 19; 6471.8; 05-APR-2008 15:27:15; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;31885  
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 21; 6743.0; 05-APR-2008 15:31:46; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;31885  
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 23; 6953.0; 05-APR-2008 15:35:16; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31885  
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 3; 2156.1; 05-APR-2008 15:55:55; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;31886  
 4; 2259.4; 05-APR-2008 15:57:38; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31886  
 5; 2664.3; 05-APR-2008 16:04:23; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31886

6; 2834.3; 05-APR-2008 16:07:13; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31886  
7; 2955.6; 05-APR-2008 16:09:14; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;31886  
8; 3441.1; 05-APR-2008 16:17:20; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;31886  
9; 3857.6; 05-APR-2008 16:24:16; Bright; 34.0; 76; 27Gam Cas ; 2.30; 30000;occ; 68; 0;31886  
10; 3937.2; 05-APR-2008 16:25:36; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;31886  
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12; 4997.5; 05-APR-2008 16:43:16; Dark ; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;31886  
13; 5131.6; 05-APR-2008 16:45:30; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;31886  
14; 5282.7; 05-APR-2008 16:48:01; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31886  
15; 5613.2; 05-APR-2008 16:53:32; Dark ; 38.5; 172; Gam Gru ; 3.00; 13100;occ; 77; 0;31886  
16; 5752.4; 05-APR-2008 16:55:51; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;31886  
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19; 6472.3; 05-APR-2008 17:07:51; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;31886  
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21; 6743.5; 05-APR-2008 17:12:22; Dark ; 40.0; 4; Alp1Cen ;-0.01; 5800;occ; 80; 0;31886  
22; 6863.8; 05-APR-2008 17:14:22; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;31886  
23; 6953.3; 05-APR-2008 17:15:52; Dark ; 45.5; 26; Gam Cru ; 1.62; 2900;occ; 91; 0;31886  
24; 7072.4; 05-APR-2008 17:17:51; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;31886

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3; 2156.0; 05-APR-2008 17:36:31; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;31887  
4; 2259.4; 05-APR-2008 17:38:14; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31887  
5; 2664.2; 05-APR-2008 17:44:59; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;31887  
6; 2834.2; 05-APR-2008 17:47:49; Bright; 42.0; 87; 64Gam UMa ; 2.43; 11000;occ; 84; 0;31887  
7; 2955.6; 05-APR-2008 17:49:50; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31887  
8; 3441.2; 05-APR-2008 17:57:56; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;31887  
9; 3857.7; 05-APR-2008 18:04:52; Bright; 52.0; 76; 27Gam Cas ; 2.30; 30000;occ; 104; 0;31887  
10; 3937.4; 05-APR-2008 18:06:12; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;31887  
11; 4848.7; 05-APR-2008 18:21:23; Dark ; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;31887  
12; 4997.8; 05-APR-2008 18:23:53; Dark ; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;31887  
13; 5132.0; 05-APR-2008 18:26:07; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;31887  
14; 5282.9; 05-APR-2008 18:28:38; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31887  
15; 5613.7; 05-APR-2008 18:34:08; Dark ; 36.5; 172; Gam Gru ; 3.00; 13100;occ; 73; 0;31887  
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19; 6472.7; 05-APR-2008 18:48:27; Dark ; 37.5; 43; Alp TrA ; 1.91; 4250;occ; 75; 0;31887  
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22; 6864.0; 05-APR-2008 18:54:59; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;31887  
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3; 1588.8; 05-APR-2008 19:07:39; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;31888  
4; 2156.0; 05-APR-2008 19:17:07; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;31888  
5; 2259.5; 05-APR-2008 19:18:50; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31888  
6; 2664.2; 05-APR-2008 19:25:35; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31888  
7; 2834.0; 05-APR-2008 19:28:25; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31888  
8; 2955.5; 05-APR-2008 19:30:26; Bright; 34.0; 36; 50Alp UMa ; 1.80; 6300;occ; 68; 0;31888  
9; 3441.1; 05-APR-2008 19:38:32; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;31888  
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11; 3937.6; 05-APR-2008 19:46:48; Bright; 33.0; 68; 18Alp Cas ; 2.22; 4500;occ; 66; 0;31888  
12; 4849.1; 05-APR-2008 20:02:00; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;31888  
13; 4998.1; 05-APR-2008 20:04:29; Dark ; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;31888  
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16; 5613.8; 05-APR-2008 20:14:44; Dark ; 36.0; 172; Gam Gru ; 3.00; 13100;occ; 72; 0;31888  
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19; 6021.7; 05-APR-2008 20:21:32; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31888  
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22; 6744.2; 05-APR-2008 20:33:35; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;31888  
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4; 1588.9; 05-APR-2008 20:48:15; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;31889
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19; 5896.1; 05-APR-2008 22:00:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31889
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22; 6590.6; 05-APR-2008 22:11:37; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31889
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25; 6953.8; 05-APR-2008 22:17:40; Dark ; 49.5; 26; Gam Cru ; 1.62; 2900;occ; 99; 0;31889
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3; 2155.8; 06-APR-2008 00:18:54; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31891
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5; 2664.1; 06-APR-2008 00:27:22; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31891
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7; 2955.5; 06-APR-2008 02:12:50; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;31892
8; 3441.2; 06-APR-2008 02:20:55; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;31892
9; 3859.0; 06-APR-2008 02:27:53; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;31892
10; 3938.6; 06-APR-2008 02:29:13; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;31892
11; 4850.3; 06-APR-2008 02:44:25; Dark ; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;31892
12; 4999.1; 06-APR-2008 02:46:53; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;31892
13; 5134.1; 06-APR-2008 02:49:08; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;31892
14; 5284.8; 06-APR-2008 02:51:39; Dark ; 38.5; 142; 49Del Cap ; 2.85; 8900;occ; 77; 0;31892

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 17; 5897.5; 06-APR-2008 03:01:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31892  
 18; 6023.4; 06-APR-2008 03:03:58; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31892  
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 21; 6745.9; 06-APR-2008 03:16:00; Dark ; 49.5; 4; Alp1Cen ; -0.01; 5800;occ; 99; 0;31892  
 22; 6865.0; 06-APR-2008 03:17:59; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;31892  
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 13; 5441.3; 06-APR-2008 06:15:27; Dark ; 41.0; 18; 24Alp PsA ; 1.17; 9700;occ; 82; 0;31894  
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 15; 5754.0; 06-APR-2008 06:20:40; Dark ; 39.0; 31; Alp Gru ; 1.73; 15200;occ; 78; 0;31894  
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 17; 6024.3; 06-APR-2008 06:25:10; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;31894  
 18; 6475.6; 06-APR-2008 06:32:42; Dark ; 44.5; 43; Alp TrA ; 1.91; 4250;occ; 89; 0;31894  
 19; 6593.1; 06-APR-2008 06:34:39; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31894  
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 21; 6865.4; 06-APR-2008 06:39:12; Dark ; 38.0; 12; Alp1Cru ; 0.77; 30000;occ; 76; 0;31894  
 22; 6955.2; 06-APR-2008 06:40:41; Dark ; 42.5; 26; Gam Cru ; 1.62; 2900;occ; 85; 0;31894  
 23; 7074.6; 06-APR-2008 06:42:41; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;31894  
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 4; 2832.8; 06-APR-2008 07:12:35; Bright; 51.0; 87; 64Gam UMa ; 2.43; 11000;occ; 102; 0;31895  
 5; 2955.6; 06-APR-2008 07:14:38; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;31895  
 6; 3441.3; 06-APR-2008 07:22:43; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31895  
 7; 3860.0; 06-APR-2008 07:29:42; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;31895  
 8; 3939.4; 06-APR-2008 07:31:02; Bright; 33.5; 68; 18Alp Cas ; 2.22; 4500;occ; 67; 0;31895  
 9; 4851.3; 06-APR-2008 07:46:13; Dark ; 43.0; 61; 8Eps Peg ; 2.10; 3900;occ; 86; 0;31895  
 10; 5000.2; 06-APR-2008 07:48:42; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;31895  
 11; 5135.5; 06-APR-2008 07:50:58; Dark ; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;31895  
 12; 5286.1; 06-APR-2008 07:53:28; Dark ; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;31895  
 13; 5441.5; 06-APR-2008 07:56:04; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31895  
 14; 5615.9; 06-APR-2008 07:58:58; Dark ; 36.0; 172; Gam Gru ; 3.00; 13100;occ; 72; 0;31895  
 15; 5754.1; 06-APR-2008 08:01:16; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;31895  
 16; 5898.9; 06-APR-2008 08:03:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31895  
 17; 6024.7; 06-APR-2008 08:05:47; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31895  
 18; 6476.0; 06-APR-2008 08:13:18; Dark ; 46.5; 43; Alp TrA ; 1.91; 4250;occ; 93; 0;31895  
 19; 6593.6; 06-APR-2008 08:15:16; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31895  
 20; 6747.3; 06-APR-2008 08:17:49; Dark ; 54.0; 4; Alp1Cen ; -0.01; 5800;occ; 108; 0;31895  
 21; 6865.6; 06-APR-2008 08:19:48; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;31895  
 22; 6955.3; 06-APR-2008 08:21:17; Dark ; 41.5; 26; Gam Cru ; 1.62; 2900;occ; 83; 0;31895  
 23; 7074.8; 06-APR-2008 08:23:17; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31895  
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 3; 2664.2; 06-APR-2008 08:50:22; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31896

4; 2832.7; 06-APR-2008 08:53:11; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31896  
5; 2955.5; 06-APR-2008 08:55:14; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31896  
6; 3441.2; 06-APR-2008 09:03:19; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31896  
7; 3860.1; 06-APR-2008 09:10:18; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;31896  
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9; 4851.6; 06-APR-2008 09:26:50; Dark ; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;31896  
10; 5000.4; 06-APR-2008 09:29:18; Dark ; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;31896  
11; 5136.0; 06-APR-2008 09:31:34; Dark ; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;31896  
12; 5286.4; 06-APR-2008 09:34:04; Dark ; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;31896  
13; 5441.4; 06-APR-2008 09:36:39; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;31896  
14; 5616.2; 06-APR-2008 09:39:34; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31896  
15; 5754.3; 06-APR-2008 09:41:52; Dark ; 38.0; 31; Alp Gru ; 1.73; 15200;occ; 76; 0;31896  
16; 5899.3; 06-APR-2008 09:44:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31896  
17; 6025.1; 06-APR-2008 09:46:23; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31896  
18; 6476.3; 06-APR-2008 09:53:54; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31896  
19; 6594.1; 06-APR-2008 09:55:52; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31896  
20; 6747.6; 06-APR-2008 09:58:26; Dark ; 47.5; 4; Alp1Cen ;-0.01; 5800;occ; 95; 0;31896  
21; 6865.8; 06-APR-2008 10:00:24; Dark ; 47.0; 12; Alp1Cru ; 0.77; 30000;occ; 94; 0;31896  
22; 6955.5; 06-APR-2008 10:01:53; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;31896  
23; 7075.1; 06-APR-2008 10:03:53; Dark ; 37.0; 64; Gam Cen ; 2.20; 10600;occ; 74; 0;31896  
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4; 2832.6; 06-APR-2008 10:33:47; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31897  
5; 2955.5; 06-APR-2008 10:35:49; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;31897  
6; 3441.2; 06-APR-2008 10:43:55; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31897  
7; 3860.3; 06-APR-2008 10:50:54; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;31897  
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9; 4851.9; 06-APR-2008 11:07:26; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;31897  
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12; 5286.8; 06-APR-2008 11:14:41; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31897  
13; 5441.5; 06-APR-2008 11:17:15; Dark ; 42.5; 18; 24Alp PsA ; 1.17; 9700;occ; 85; 0;31897  
14; 5616.5; 06-APR-2008 11:20:10; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31897  
15; 5754.5; 06-APR-2008 11:22:28; Dark ; 37.5; 31; Alp Gru ; 1.73; 15200;occ; 75; 0;31897  
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17; 6025.5; 06-APR-2008 11:26:59; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31897  
18; 6476.7; 06-APR-2008 11:34:31; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31897  
19; 6594.5; 06-APR-2008 11:36:28; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31897  
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22; 6955.7; 06-APR-2008 11:42:30; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;31897  
23; 7075.4; 06-APR-2008 11:44:29; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;31897  
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18; 6025.9; 06-APR-2008 13:07:36; Dark ; 37.0; 45; Alp Pav ; 1.94; 26000;occ; 74; 0;31898  
19; 6477.2; 06-APR-2008 13:15:07; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31898



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 8; 3441.4; 07-APR-2008 00:08:43; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;31905
 9; 3862.4; 07-APR-2008 00:15:44; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;31905
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 16; 5903.8; 07-APR-2008 02:30:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31906  
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 22; 6958.1; 07-APR-2008 04:28:31; Dark ; 48.5; 26; Gam Cru ; 1.62; 2900;occ; 97; 0;31907  
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5; 2831.0; 07-APR-2008 05:00:20; Bright; 38.5; 87; 64Gam UMa ; 2.43; 11000;occ; 77; 0;31908  
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22; 7078.7; 07-APR-2008 07:51:44; Dark ; 38.0; 64; Gam Cen ; 2.20; 10600;occ; 76; 0;31909  
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 9; -124.1; 08-APR-2008 07:00:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31923  
 10; 1.5; 08-APR-2008 07:02:45; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31924  
 11; 451.7; 08-APR-2008 07:10:16; Dark ; 42.5; 43; Alp TrA ; 1.91; 4250;occ; 85; 0;31924  
 12; 571.3; 08-APR-2008 07:12:15; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;31924  
 13; 723.1; 08-APR-2008 07:14:47; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;31924  
 14; 835.0; 08-APR-2008 07:16:39; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;31924  
 15; 925.8; 08-APR-2008 07:18:10; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31924  
 16; 1046.4; 08-APR-2008 07:20:10; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;31924  
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4; 2828.6; 08-APR-2008 07:49:52; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31924  
5; 2955.7; 08-APR-2008 07:51:59; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31924  
6; 3441.6; 08-APR-2008 08:00:05; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;31924  
7; 3845.5; 08-APR-2008 08:06:49; Bright; 36.5; 110; 37Del Cas ; 2.68; 8900;occ; 73; 0;31924  
8; 3928.7; 08-APR-2008 08:08:12; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;31924  
9; 4459.4; 08-APR-2008 08:17:03; Bright; 35.0; 164; 44Eta Peg ; 2.95; 5400;occ; 70; 0;31924  
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12; 5444.8; 08-APR-2008 08:33:29; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31924  
13; 5625.5; 08-APR-2008 08:36:29; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;31924  
14; 5760.9; 08-APR-2008 08:38:45; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;31924  
15; 5912.3; 08-APR-2008 08:41:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31924  
16; 6037.8; 08-APR-2008 08:43:22; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31924  
17; 6488.1; 08-APR-2008 08:50:52; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31924  
18; 6607.7; 08-APR-2008 08:52:52; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;31924  
19; 6759.4; 08-APR-2008 08:55:23; Dark ; 53.5; 4; Alp1Cen ; -0.01; 5800;occ; 107; 0;31924  
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22; 7082.5; 08-APR-2008 09:00:46; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31924  
23; 7517.4; 08-APR-2008 09:08:01; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31924  
24; 7629.9; 08-APR-2008 09:09:54; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;31924

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3; 2665.0; 08-APR-2008 09:27:45; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31925  
4; 2828.6; 08-APR-2008 09:30:28; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;31925  
5; 2955.7; 08-APR-2008 09:32:35; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;31925  
6; 3845.8; 08-APR-2008 09:47:25; Bright; 37.5; 110; 37Del Cas ; 2.68; 8900;occ; 75; 0;31925  
7; 3928.8; 08-APR-2008 09:48:49; Bright; 34.0; 74; 11Bet Cas ; 2.27; 6600;occ; 68; 0;31925  
8; 4459.4; 08-APR-2008 09:57:39; Bright; 33.5; 164; 44Eta Peg ; 2.95; 5400;occ; 67; 0;31925  
9; 5009.8; 08-APR-2008 10:06:49; Dark ; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;31925  
10; 5298.7; 08-APR-2008 10:11:38; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31925  
11; 5444.9; 08-APR-2008 10:14:05; Dark ; 40.5; 18; 24Alp PsA ; 1.17; 9700;occ; 81; 0;31925  
12; 5626.0; 08-APR-2008 10:17:06; Dark ; 39.5; 172; Gam Gru ; 3.00; 13100;occ; 79; 0;31925  
13; 5761.1; 08-APR-2008 10:19:21; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;31925  
14; 5912.7; 08-APR-2008 10:21:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31925  
15; 6038.3; 08-APR-2008 10:23:58; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31925  
16; 6488.4; 08-APR-2008 10:31:28; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;31925  
17; 6608.2; 08-APR-2008 10:33:28; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31925  
18; 6759.7; 08-APR-2008 10:35:59; Dark ; 54.0; 4; Alp1Cen ; -0.01; 5800;occ; 108; 0;31925  
19; 6871.3; 08-APR-2008 10:37:51; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;31925  
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21; 7082.7; 08-APR-2008 10:41:22; Dark ; 37.0; 64; Gam Cen ; 2.20; 10600;occ; 74; 0;31925  
22; 7243.8; 08-APR-2008 10:44:03; Dark ; 28.0; 123; Iot Cen ; 2.75; 10200;occ; 56; 0;31925  
23; 7517.5; 08-APR-2008 10:48:37; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31925  
24; 7630.0; 08-APR-2008 10:50:30; Dark ; 37.5; 100; 4Gam Crv ; 2.58; 13100;occ; 75; 0;31925

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3; 2665.0; 08-APR-2008 11:08:21; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31926  
4; 2828.5; 08-APR-2008 11:11:04; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;31926  
5; 2955.7; 08-APR-2008 11:13:11; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;31926  
6; 3441.5; 08-APR-2008 11:21:17; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;31926  
7; 3846.0; 08-APR-2008 11:28:02; Bright; 34.0; 110; 37Del Cas ; 2.68; 8900;occ; 68; 0;31926  
8; 3928.9; 08-APR-2008 11:29:24; Bright; 32.5; 74; 11Bet Cas ; 2.27; 6600;occ; 65; 0;31926  
9; 4459.5; 08-APR-2008 11:38:15; Bright; 34.0; 164; 44Eta Peg ; 2.95; 5400;occ; 68; 0;31926  
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11; 5299.1; 08-APR-2008 11:52:15; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;31926  
12; 5445.0; 08-APR-2008 11:54:41; Dark ; 43.0; 18; 24Alp PsA ; 1.17; 9700;occ; 86; 0;31926  
13; 5626.2; 08-APR-2008 11:57:42; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;31926  
14; 5761.3; 08-APR-2008 11:59:57; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;31926  
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17; 6608.7; 08-APR-2008 12:14:04; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;31926

18; 6760.2; 08-APR-2008 12:16:36; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 0;31926  
 19; 6871.4; 08-APR-2008 12:18:27; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;31926  
 20; 6962.3; 08-APR-2008 12:19:58; Dark ; 50.0; 26; Gam Cru ; 1.62; 2900;occ; 100; 0;31926  
 21; 7083.0; 08-APR-2008 12:21:59; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;31926  
 22; 7244.2; 08-APR-2008 12:24:40; Dark ; 28.0; 123; Tot Cen ; 2.75; 10200;occ; 56; 0;31926  
 23; 7517.7; 08-APR-2008 12:29:13; Dark ; 40.0; 106; 9Bet Crv ; 2.65; 5600;occ; 80; 0;31926  
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 3; 2262.6; 08-APR-2008 12:42:14; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31927  
 4; 2665.1; 08-APR-2008 12:48:57; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;31927  
 5; 2828.2; 08-APR-2008 12:51:40; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31927  
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 7; 3441.6; 08-APR-2008 13:01:53; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;31927  
 8; 3846.5; 08-APR-2008 13:08:38; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;31927  
 9; 3929.3; 08-APR-2008 13:10:01; Bright; 35.5; 74; 11Bet Cas ; 2.27; 6600;occ; 71; 0;31927  
 10; 4459.7; 08-APR-2008 13:18:51; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31927  
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 12; 5299.5; 08-APR-2008 13:32:51; Dark ; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;31927  
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 16; 5913.7; 08-APR-2008 13:43:05; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;31927  
 17; 6489.4; 08-APR-2008 13:52:41; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31927  
 18; 6609.2; 08-APR-2008 13:54:41; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31927  
 19; 6760.7; 08-APR-2008 13:57:12; Dark ; 55.0; 4; Alp1Cen ; -0.01; 5800;occ; 110; 0;31927  
 20; 6871.7; 08-APR-2008 13:59:03; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;31927  
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 22; 7083.4; 08-APR-2008 14:02:35; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31927  
 23; 7244.4; 08-APR-2008 14:05:16; Dark ; 35.0; 123; Tot Cen ; 2.75; 10200;occ; 70; 0;31927  
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 4; 2262.9; 08-APR-2008 14:22:50; Bright; 38.0; 96; 68Del Leo ; 2.56; 9300;occ; 76; 0;31928  
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 7; 2955.8; 08-APR-2008 14:34:23; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31928  
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 10; 3929.4; 08-APR-2008 14:50:37; Bright; 35.0; 74; 11Bet Cas ; 2.27; 6600;occ; 70; 0;31928  
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 12; 5010.9; 08-APR-2008 15:08:38; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31928  
 13; 5300.1; 08-APR-2008 15:13:27; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;31928  
 14; 5445.4; 08-APR-2008 15:15:53; Dark ; 43.0; 18; 24Alp PsA ; 1.17; 9700;occ; 86; 0;31928  
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 19; 6489.9; 08-APR-2008 15:33:17; Dark ; 41.0; 43; Alp TrA ; 1.91; 4250;occ; 82; 0;31928  
 20; 6609.6; 08-APR-2008 15:35:17; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31928  
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 23; 6962.8; 08-APR-2008 15:41:10; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31928  
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 25; 7244.9; 08-APR-2008 15:45:52; Dark ; 34.5; 123; Tot Cen ; 2.75; 10200;occ; 69; 0;31928

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 3; 1594.6; 08-APR-2008 15:52:18; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;31929  
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 5; 2262.9; 08-APR-2008 16:03:26; Bright; 34.0; 96; 68Del Leo ; 2.56; 9300;occ; 68; 0;31929  
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 8; 2955.8; 08-APR-2008 16:14:59; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31929  
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 13; 5768.9; 10-APR-2008 12:37:26; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;31955  
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 5; 2266.2; 10-APR-2008 16:40:51; Bright; 39.0; 96; 68Del Leo ; 2.56; 9300;occ; 78; 0;31958  
 6; 2666.7; 10-APR-2008 16:47:32; Bright; 33.5; 174; 52Psi UMa ; 3.00; 4400;occ; 67; 0;31958  
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8; 2956.6; 10-APR-2008 16:52:21; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31958  
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13; 5021.5; 10-APR-2008 17:26:46; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31958  
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8; 596.2; 11-APR-2008 22:23:48; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31976
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 21; 6794.6; 14-APR-2008 14:09:15; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;32013  
 22; 6927.3; 14-APR-2008 14:11:28; Dark ; 37.5; 20; Bet Cru ; 1.25; 30000;occ; 75; 0;32013  
 23; 7103.6; 14-APR-2008 14:14:24; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;32013  
 24; 7269.8; 14-APR-2008 14:17:10; Dark ; 38.5; 123; Iot Cen ; 2.75; 10200;occ; 77; 0;32013  
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 6; 2672.4; 14-APR-2008 14:41:09; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;32014  
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 13; 5043.6; 14-APR-2008 15:20:40; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;32014  
 14; 5343.2; 14-APR-2008 15:25:39; Dark ; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;32014  
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 16; 5661.8; 14-APR-2008 15:30:58; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32014  
 17; 5787.0; 14-APR-2008 15:33:03; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32014  
 18; 5958.1; 14-APR-2008 15:35:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32014  
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 22; 6795.0; 14-APR-2008 15:49:51; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;32014  
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 6; 2275.4; 14-APR-2008 16:15:08; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;32015  
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 13; 4473.4; 14-APR-2008 16:51:46; Bright; 36.0; 164; 44Eta Peg ; 2.95; 5400;occ; 72; 0;32015  
 14; 5043.9; 14-APR-2008 17:01:16; Dark ; 44.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 89; 0;32015  
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 18; 5787.3; 14-APR-2008 17:13:40; Dark ; 39.0; 31; Alp Gru ; 1.73; 15200;occ; 78; 0;32015  
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 23; 6795.5; 14-APR-2008 17:30:28; Dark ; 46.0; 4; Alp1Cen ;-0.01; 5800;occ; 92; 0;32015  
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8; 2672.7; 14-APR-2008 18:02:21; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;32016
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5; 1875.8; 15-APR-2008 18:58:03; Bright; 38.0; 121; 29Gam Vir ; 2.74; 7200;occ; 76; 0;32031  
6; 2160.8; 15-APR-2008 19:02:48; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32031  
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24; 3975.2; 17-APR-2008 23:31:36; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;32062
25; 4480.5; 17-APR-2008 23:40:01; Bright; 37.0; 164; 44Eta Peg ; 2.95; 5400;occ; 74; 0;32062
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14; 1624.1; 18-APR-2008 00:33:00; Bright; 36.0; 163; 7Del Crv ; 2.94; 11000;occ; 72; 0;32063
15; 1877.2; 18-APR-2008 00:37:14; Bright; 37.5; 121; 29Gam Vir ; 2.74; 7200;occ; 75; 0;32063
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18; 2580.2; 18-APR-2008 00:48:57; Bright; 35.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 71; 0;32063
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12; 5366.1; 17-APR-2008 08:49:23; Dark ; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;32053  
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18; 6103.0; 17-APR-2008 09:01:40; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32053  
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23; 7112.1; 17-APR-2008 09:18:29; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;32053  
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4; 2582.4; 17-APR-2008 09:43:35; Bright; 33.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 66; 0;32054  
5; 2678.3; 17-APR-2008 09:45:11; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;32054  
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22; 6809.6; 17-APR-2008 10:54:03; Dark ; 50.5; 4; Alp1Cen ;-0.01; 5800;occ; 101; 0;32054  
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27; 7658.9; 17-APR-2008 11:08:12; Bright; 35.5; 163; 7Del Crv ; 2.94; 11000;occ; 71; 0;32054

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3;	2283.6;	17-APR-2008	11:19:13;	Bright;	35.0;	96;	68Del Leo	; 2.56;	9300;occ;	70;	0;	32055
4;	2582.0;	17-APR-2008	11:24:11;	Bright;	33.0;	152;	12Alp2CVn	; 2.89;	11000;occ;	66;	0;	32055
5;	2678.5;	17-APR-2008	11:25:47;	Bright;	34.0;	174;	52Psi UMa	; 3.00;	4400;occ;	68;	0;	32055
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7;	2963.5;	17-APR-2008	11:30:33;	Bright;	36.5;	36;	50Alp UMa	; 1.80;	6300;occ;	73;	0;	32055
8;	3443.0;	17-APR-2008	11:38:32;	Bright;	34.0;	49;	1Alp UMi	; 1.99;	6300;occ;	68;	0;	32055
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11;	4479.6;	17-APR-2008	11:55:49;	Bright;	37.0;	164;	44Eta Peg	; 2.95;	5400;occ;	74;	0;	32055
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16;	5681.2;	17-APR-2008	12:15:50;	Dark	; 38.5;	172;	Gam Gru	; 3.00;	13100;occ;	77;	0;	32055
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18;	5990.2;	17-APR-2008	12:20:59;	Dark	; 43.0;	148;	Alp Tuc	; 2.88;	4100;occ;	86;	0;	32055
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20;	6541.6;	17-APR-2008	12:30:11;	Dark	; 39.0;	43;	Alp TrA	; 1.91;	4250;occ;	78;	0;	32055
21;	6668.6;	17-APR-2008	12:32:18;	Dark	; 37.5;	134;	Bet TrA	; 2.81;	6600;occ;	75;	0;	32055
22;	6809.9;	17-APR-2008	12:34:39;	Dark	; 51.5;	4;	Alp1Cen	; -0.01;	5800;occ;	103;	0;	32055
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5;	2581.9;	17-APR-2008	13:04:47;	Bright;	36.0;	152;	12Alp2CVn	; 2.89;	11000;occ;	72;	0;	32056
6;	2678.6;	17-APR-2008	13:06:23;	Bright;	37.0;	174;	52Psi UMa	; 3.00;	4400;occ;	74;	0;	32056
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8;	2963.7;	17-APR-2008	13:11:09;	Bright;	36.0;	36;	50Alp UMa	; 1.80;	6300;occ;	72;	0;	32056
9;	3443.0;	17-APR-2008	13:19:08;	Bright;	33.0;	49;	1Alp UMi	; 1.99;	6300;occ;	66;	0;	32056
10;	3881.1;	17-APR-2008	13:26:26;	Bright;	32.5;	110;	37Del Cas	; 2.68;	8900;occ;	65;	0;	32056
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12;	4479.7;	17-APR-2008	13:36:25;	Bright;	37.0;	164;	44Eta Peg	; 2.95;	5400;occ;	74;	0;	32056
13;	5062.4;	17-APR-2008	13:46:07;	Dark	; 45.0;	162;	34Alp Aqr	; 2.94;	5350;occ;	90;	0;	32056
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16;	5576.3;	17-APR-2008	13:54:41;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	32056
17;	5681.5;	17-APR-2008	13:56:26;	Dark	; 38.0;	172;	Gam Gru	; 3.00;	13100;occ;	76;	0;	32056
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2;	-339.8;	20-APR-2008	00:37:38;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	32091
3;	-220.9;	20-APR-2008	00:39:37;	Dark	;	42.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	84;	0;	32091
4;	-37.1;	20-APR-2008	00:42:41;	Dark	;	41.0;	148;	Alp	Tuc	;	2.88;	4100;	occ;	82;	0;	32091
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6;	519.9;	20-APR-2008	00:51:58;	Dark	;	41.5;	43;	Alp	TrA	;	1.91;	4250;	occ;	83;	0;	32092
7;	648.1;	20-APR-2008	00:54:06;	Dark	;	39.5;	134;	Bet	TrA	;	2.81;	6600;	occ;	79;	0;	32092
8;	786.2;	20-APR-2008	00:56:24;	Dark	;	53.0;	4;	Alp1	Cen	;	-0.01;	5800;	occ;	106;	0;	32092
9;	905.2;	20-APR-2008	00:58:23;	Dark	;	41.5;	20;	Bet	Cru	;	1.25;	30000;	occ;	83;	0;	32092
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11;	1253.7;	20-APR-2008	01:04:12;	Dark	;	38.0;	123;	Iot	Cen	;	2.75;	10200;	occ;	76;	0;	32092
12;	1510.4;	20-APR-2008	01:08:29;	Dark	;	39.0;	106;	9Bet	Crv	;	2.65;	5600;	occ;	78;	0;	32092
13;	1628.5;	20-APR-2008	01:10:27;	Bright;	;	37.5;	163;	7Del	Crv	;	2.94;	11000;	occ;	75;	0;	32092
14;	1878.8;	20-APR-2008	01:14:37;	Bright;	;	36.5;	121;	29Gam	Vir	;	2.74;	7200;	occ;	73;	0;	32092
15;	2168.4;	20-APR-2008	01:19:26;	Bright;	;	35.0;	62;	94Bet	Leo	;	2.14;	9700;	occ;	70;	0;	32092
16;	2292.7;	20-APR-2008	01:21:31;	Bright;	;	35.5;	96;	68Del	Leo	;	2.56;	9300;	occ;	71;	0;	32092
17;	2685.3;	20-APR-2008	01:28:03;	Bright;	;	36.0;	174;	52Psi	UMa	;	3.00;	4400;	occ;	72;	0;	32092
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20;	3443.3;	20-APR-2008	01:40:41;	Bright;	;	35.0;	49;	1Alp	UMi	;	1.99;	6300;	occ;	70;	0;	32092
21;	3889.3;	20-APR-2008	01:48:07;	Bright;	;	45.5;	110;	37Del	Cas	;	2.68;	8900;	occ;	91;	0;	32092
22;	3980.3;	20-APR-2008	01:49:38;	Bright;	;	35.0;	68;	18Alp	Cas	;	2.22;	4500;	occ;	70;	0;	32092
23;	4510.7;	20-APR-2008	01:58:29;	Bright;	;	37.5;	93;	53Bet	Peg	;	2.52;	3100;	occ;	75;	0;	32092
24;	4732.4;	20-APR-2008	02:02:11;	Dark	;	42.0;	90;	54Alp	Peg	;	2.49;	11000;	occ;	84;	0;	32092
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2;	-339.7;	20-APR-2008	02:18:14;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	32092
3;	-220.6;	20-APR-2008	02:20:13;	Dark	;	39.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	78;	0;	32092
4;	-37.0;	20-APR-2008	02:23:17;	Dark	;	38.0;	148;	Alp	Tuc	;	2.88;	4100;	occ;	76;	0;	32092
5;	88.7;	20-APR-2008	02:25:23;	Dark	;	40.5;	45;	Alp	Pav	;	1.94;	26000;	occ;	81;	0;	32093
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7;	648.7;	20-APR-2008	02:34:43;	Dark	;	39.0;	134;	Bet	TrA	;	2.81;	6600;	occ;	78;	0;	32093
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11;	1254.0;	20-APR-2008	02:44:48;	Dark	;	38.5;	123;	Iot	Cen	;	2.75;	10200;	occ;	77;	0;	32093
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13;	1628.6;	20-APR-2008	02:51:03;	Bright;	;	35.0;	163;	7Del	Crv	;	2.94;	11000;	occ;	70;	0;	32093
14;	1879.0;	20-APR-2008	02:55:13;	Bright;	;	37.0;	121;	29Gam	Vir	;	2.74;	7200;	occ;	74;	0;	32093
15;	2168.5;	20-APR-2008	03:00:02;	Bright;	;	39.0;	62;	94Bet	Leo	;	2.14;	9700;	occ;	78;	0;	32093
16;	2292.9;	20-APR-2008	03:02:07;	Bright;	;	35.0;	96;	68Del	Leo	;	2.56;	9300;	occ;	70;	0;	32093
17;	2685.5;	20-APR-2008	03:08:39;	Bright;	;	35.5;	174;	52Psi	UMa	;	3.00;	4400;	occ;	71;	0;	32093
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4;	-1303.4;	20-APR-2008	03:42:47;	Dark	;	41.5;	90;	54Alp	Peg	;	2.49;	11000;	occ;	83;	0;	32093
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26; 3997.9; 29-APR-2008 00:26:35; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32220
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 23; 6735.1; 28-APR-2008 20:10:25; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;32217  
 24; 6861.4; 28-APR-2008 20:12:31; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;32217  
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22; 2990.7; 29-APR-2008 01:50:24; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32221
23; 3444.6; 29-APR-2008 01:57:58; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32221
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 2; 1896.3; 30-APR-2008 12:44:44; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;32242  
 3; 2095.6; 30-APR-2008 12:48:03; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32242  
 4; 2202.1; 30-APR-2008 12:49:50; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;32242  
 5; 2559.9; 30-APR-2008 12:55:47; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32242  
 6; 2727.0; 30-APR-2008 12:58:35; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32242  
 7; 2832.6; 30-APR-2008 13:00:20; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;32242  
 8; 2916.5; 30-APR-2008 13:01:44; Bright; 34.0; 82; 48Bet UMa ; 2.37; 10600;occ; 68; 0;32242  
 9; 2995.6; 30-APR-2008 13:03:03; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32242  
 10; 3444.8; 30-APR-2008 13:10:32; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32242  
 11; 3917.9; 30-APR-2008 13:18:25; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;32242  
 12; 4000.3; 30-APR-2008 13:19:48; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;32242  
 13; 5243.7; 30-APR-2008 13:40:31; Dark ; 39.0; 52; 16Bet Cet ; 2.04; 4500;occ; 78; 0;32242  
 14; 5541.7; 30-APR-2008 13:45:29; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;32242  
 15; 5667.9; 30-APR-2008 13:47:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32242  
 16; 5887.5; 30-APR-2008 13:51:15; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32242  
 17; 6045.1; 30-APR-2008 13:53:53; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;32242  
 18; 6216.2; 30-APR-2008 13:56:44; Dark ; 29.0; 45; Alp Pav ; 1.94; 26000;occ; 58; 0;32242  
 19; 6612.8; 30-APR-2008 14:03:20; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32242  
 20; 6744.7; 30-APR-2008 14:05:32; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32242  
 21; 6868.2; 30-APR-2008 14:07:36; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;32242  
 22; 6961.0; 30-APR-2008 14:09:09; Dark ; 43.5; 20; Bet Cru ; 1.25; 30000;occ; 87; 0;32242  
 23; 7073.3; 30-APR-2008 14:11:01; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;32242  
 24; 7166.0; 30-APR-2008 14:12:34; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32242  
 25; 7291.4; 30-APR-2008 14:14:39; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32242  
 26; 7548.6; 30-APR-2008 14:18:56; Dark ; 19.0; 169; 46Gam Hya ; 2.99; 4700;occ; 38; 0;32242

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 2; 1712.1; 30-APR-2008 14:22:16; Bright; 39.0; 15; 67Alp Vir ; 0.98; 28000;occ; 78; 0;32243  
 3; 1896.4; 30-APR-2008 14:25:20; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;32243  
 4; 2095.8; 30-APR-2008 14:28:39; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32243  
 5; 2202.5; 30-APR-2008 14:30:26; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32243  
 6; 2559.9; 30-APR-2008 14:36:23; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;32243  
 7; 2727.4; 30-APR-2008 14:39:11; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32243  
 8; 2832.8; 30-APR-2008 14:40:56; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;32243  
 9; 2916.9; 30-APR-2008 14:42:20; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32243  
 10; 2995.8; 30-APR-2008 14:43:39; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;32243  
 11; 3444.9; 30-APR-2008 14:51:08; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32243  
 12; 3918.2; 30-APR-2008 14:59:02; Bright; 48.5; 110; 37Del Cas ; 2.68; 8900;occ; 97; 0;32243  
 13; 4000.5; 30-APR-2008 15:00:24; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32243  
 14; 5243.9; 30-APR-2008 15:21:07; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32243  
 15; 5542.2; 30-APR-2008 15:26:06; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;32243  
 16; 5668.5; 30-APR-2008 15:28:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32243  
 17; 5888.1; 30-APR-2008 15:31:52; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;32243  
 18; 6045.5; 30-APR-2008 15:34:29; Dark ; 45.0; 148; Alp Tuc ; 2.88; 4100;occ; 90; 0;32243  
 19; 6216.9; 30-APR-2008 15:37:20; Dark ; 25.0; 45; Alp Pav ; 1.94; 26000;occ; 50; 0;32243  
 20; 6613.2; 30-APR-2008 15:43:57; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32243  
 21; 6744.8; 30-APR-2008 15:46:08; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32243  
 22; 6868.5; 30-APR-2008 15:48:12; Dark ; 48.5; 4; Alp1Cen ;-0.01; 5800;occ; 97; 0;32243  
 23; 6961.1; 30-APR-2008 15:49:45; Dark ; 46.0; 20; Bet Cru ; 1.25; 30000;occ; 92; 0;32243  
 24; 7073.6; 30-APR-2008 15:51:37; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;32243  
 25; 7166.4; 30-APR-2008 15:53:10; Dark ; 38.0; 81; Eta Cen ; 2.36; 28000;occ; 76; 0;32243  
 26; 7291.7; 30-APR-2008 15:55:15; Dark ; 41.0; 54; 5The Cen ; 2.06; 4500;occ; 82; 0;32243

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3; 1712.2; 30-APR-2008 16:02:52; Bright; 39.0; 15; 67Alp Vir ; 0.98; 28000;occ; 78; 0;32244
4; 1896.4; 30-APR-2008 16:05:56; Bright; 35.0; 121; 29Gam Vir ; 2.74; 7200;occ; 70; 0;32244
5; 2095.8; 30-APR-2008 16:09:15; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;32244
6; 2202.7; 30-APR-2008 16:11:02; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32244
7; 2559.8; 30-APR-2008 16:16:59; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32244
8; 2727.7; 30-APR-2008 16:19:47; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;32244
9; 2832.9; 30-APR-2008 16:21:32; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;32244
10; 2917.1; 30-APR-2008 16:22:57; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32244
11; 2995.9; 30-APR-2008 16:24:15; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;32244
12; 3444.8; 30-APR-2008 16:31:44; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32244
13; 3918.1; 30-APR-2008 16:39:38; Bright; 32.0; 110; 37Del Cas ; 2.68; 8900;occ; 64; 0;32244
14; 4000.5; 30-APR-2008 16:41:00; Bright; 51.5; 68; 18Alp Cas ; 2.22; 4500;occ; 103; 0;32244
15; 5243.9; 30-APR-2008 17:01:43; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32244
16; 5542.7; 30-APR-2008 17:06:42; Dark ; 43.5; 18; 24Alp PsA ; 1.17; 9700;occ; 87; 0;32244
17; 5669.2; 30-APR-2008 17:08:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32244
18; 5888.6; 30-APR-2008 17:12:28; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;32244
19; 6045.8; 30-APR-2008 17:15:05; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;32244
20; 6217.5; 30-APR-2008 17:17:57; Dark ; 25.0; 45; Alp Pav ; 1.94; 26000;occ; 50; 0;32244
21; 6613.6; 30-APR-2008 17:24:33; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32244
22; 6745.3; 30-APR-2008 17:26:45; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32244
23; 6868.8; 30-APR-2008 17:28:48; Dark ; 47.0; 4; Alp1Cen ; -0.01; 5800;occ; 94; 0;32244
24; 6961.2; 30-APR-2008 17:30:21; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;32244
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2; 1130.6; 30-APR-2008 17:33:46; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32245
3; 1256.0; 30-APR-2008 17:35:52; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;32245
4; 1513.0; 30-APR-2008 17:40:09; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;32245
5; 1712.3; 30-APR-2008 17:43:28; Bright; 39.5; 15; 67Alp Vir ; 0.98; 28000;occ; 79; 0;32245
6; 1896.6; 30-APR-2008 17:46:32; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;32245
7; 2095.7; 30-APR-2008 17:49:51; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32245
8; 2202.9; 30-APR-2008 17:51:38; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32245
9; 2559.9; 30-APR-2008 17:57:35; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32245
10; 2728.1; 30-APR-2008 18:00:24; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32245
11; 2833.0; 30-APR-2008 18:02:09; Bright; 50.0; 87; 64Gam UMa ; 2.43; 11000;occ; 100; 0;32245
12; 2917.4; 30-APR-2008 18:03:33; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32245
13; 2996.2; 30-APR-2008 18:04:52; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;32245
14; 3444.8; 30-APR-2008 18:12:20; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32245
15; 3918.2; 30-APR-2008 18:20:14; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;32245
16; 4000.6; 30-APR-2008 18:21:36; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;32245
17; 5244.0; 30-APR-2008 18:42:20; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32245
18; 5543.1; 30-APR-2008 18:47:19; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;32245
19; 5669.8; 30-APR-2008 18:49:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32245
20; 5889.2; 30-APR-2008 18:53:05; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32245
21; 6046.2; 30-APR-2008 18:55:42; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32245
22; 6613.9; 30-APR-2008 19:05:09; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;32245
23; 6745.7; 30-APR-2008 19:07:21; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32245
24; 6869.1; 30-APR-2008 19:09:25; Dark ; 49.5; 4; Alp1Cen ; -0.01; 5800;occ; 99; 0;32245
25; 6961.3; 30-APR-2008 19:10:57; Dark ; 40.5; 20; Bet Cru ; 1.25; 30000;occ; 81; 0;32245
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20080430_191057_000060742068_00128_32246_0831.N1
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2; 1038.3; 30-APR-2008 19:12:50; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;32246
3; 1130.8; 30-APR-2008 19:14:22; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32246
4; 1256.2; 30-APR-2008 19:16:28; Dark ; 40.5; 54; 5The Cen ; 2.06; 4500;occ; 81; 0;32246
5; 1513.1; 30-APR-2008 19:20:45; Dark ; 51.0; 169; 46Gam Hya ; 2.99; 4700;occ; 102; 0;32246
6; 1712.4; 30-APR-2008 19:24:04; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32246
7; 1896.8; 30-APR-2008 19:27:08; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;32246
8; 2095.8; 30-APR-2008 19:30:27; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32246
9; 2203.2; 30-APR-2008 19:32:15; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32246
10; 2559.7; 30-APR-2008 19:38:11; Bright; 52.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 104; 0;32246
11; 2728.5; 30-APR-2008 19:41:00; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;32246
12; 2833.1; 30-APR-2008 19:42:45; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;32246
13; 2917.6; 30-APR-2008 19:44:09; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32246
14; 2996.4; 30-APR-2008 19:45:28; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;32246
15; 3444.9; 30-APR-2008 19:52:56; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32246
16; 3918.3; 30-APR-2008 20:00:50; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;32246
17; 4000.7; 30-APR-2008 20:02:12; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32246

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19;	5543.6;	30-APR-2008	20:27:55;	Dark	;	46.5;	18;	24Alp	PsA	;	1.17;	9700;	occ;	93;	0;	32246
20;	5670.3;	30-APR-2008	20:30:02;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	32246
21;	5889.6;	30-APR-2008	20:33:41;	Dark	;	41.5;	31;	Alp	Gru	;	1.73;	15200;	occ;	83;	0;	32246
22;	6046.4;	30-APR-2008	20:36:18;	Dark	;	37.0;	148;	Alp	Tuc	;	2.88;	4100;	occ;	74;	0;	32246
23;	6614.1;	30-APR-2008	20:45:46;	Dark	;	38.0;	43;	Alp	TrA	;	1.91;	4250;	occ;	76;	0;	32246
24;	6746.0;	30-APR-2008	20:47:58;	Dark	;	36.5;	134;	Bet	TrA	;	2.81;	6600;	occ;	73;	0;	32246
25;	6869.3;	30-APR-2008	20:50:01;	Dark	;	43.5;	4;	Alp1Cen		;	-0.01;	5800;	occ;	87;	0;	32246
26;	6961.2;	30-APR-2008	20:51:33;	Dark	;	38.5;	20;	Bet	Cru	;	1.25;	30000;	occ;	77;	0;	32246