

GOMOS Daily Report 12-JAN-2005

Level 0 and Level 1 products

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1. General Info

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	14JAN2005 05:03:41

Data source version	GOMOS/4.02
Start time of products	QDS_YESTERDAY(/START)-1D (12JAN2005 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (13JAN2005 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	0

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

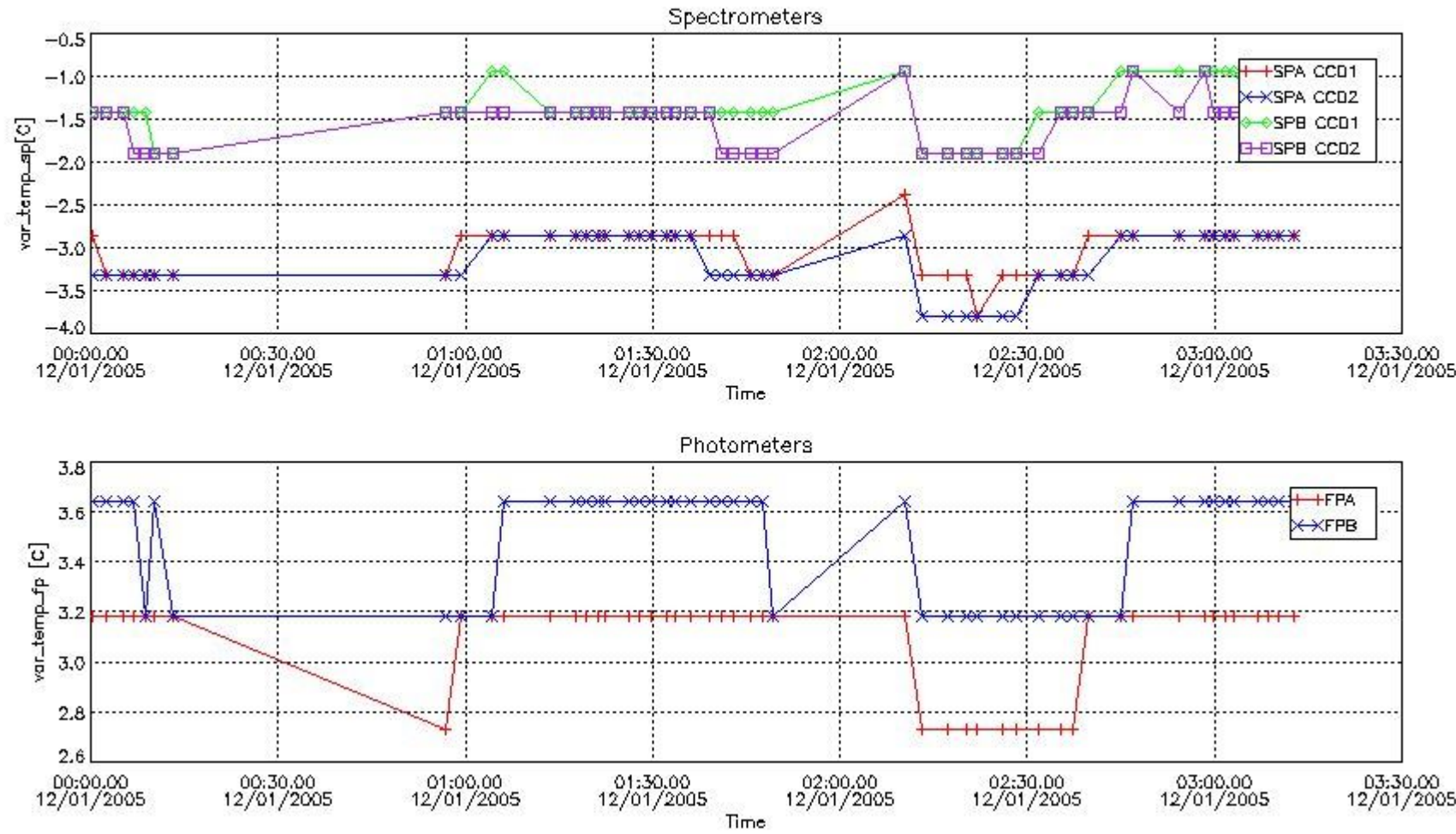
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 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_1PNPDE20050112_000018_000000432033_00417_15000_0016.N1	12-JAN-2005 00:00:18	Bright	42.500	30	46Eps Ori	1.6940	30000.	85	15000	No
2	GOM_TRA_1PNPDE20050112_000226_000000662033_00417_15000_0017.N1	12-JAN-2005 00:02:26	Bright	65.500	8	10Alp CMi	0.40000	6500.0	131	15000	No
3	GOM_TRA_1PNPDE20050112_000513_000000472033_00417_15000_0018.N1	12-JAN-2005 00:05:13	Bright	46.500	44	24Gam Gem	1.9280	11000.	93	15000	No
4	GOM_TRA_1PNPDE20050112_000656_000000462033_00417_15000_0019.N1	12-JAN-2005 00:06:56	Bright	45.500	151	13Mu Gem	2.8900	3000.0	91	15000	No
5	GOM_TRA_1PNPDE20050112_000839_000000402033_00417_15000_0020.N1	12-JAN-2005 00:08:39	Bright	39.500	28	12Bet Tau	1.6500	15200.	79	15000	No
6	GOM_TRA_1PNPDE20050112_001010_000000392033_00417_15000_0021.N1	12-JAN-2005 00:10:10	Bright	38.500	114	3Iot Aur	2.6930	4600.0	77	15000	No
7	GOM_TRA_1PNPDE20050112_001315_000000402033_00417_15000_0022.N1	12-JAN-2005 00:13:15	Bright	39.500	42	34Bet Aur	1.9000	10200.	79	15000	No
8	GOM_TRA_1PNPDE20050112_005645_000000492033_00417_15000_0000.N1	12-JAN-2005 00:56:45	Twilight	48.500	104	27Bet Lib	2.6140	13100.	97	15000	No
9	GOM_TRA_1PNPDE20050112_005911_000000512033_00417_15000_0001.N1	12-JAN-2005 00:59:11	Twilight	51.000	16	21Alp Sco	1.0200	3000.0	102	15000	No
10	GOM_TRA_1PNPDE20050112_010419_000000402033_00417_15000_0002.N1	12-JAN-2005 01:04:19	Twilight	39.500	131	Gam Lup	2.8000	26000.	79	15000	No
11	GOM_TRA_1PNPDE20050112_010615_000001152033_00417_15000_0003.N1	12-JAN-2005 01:06:15	Dark	114.50	15	67Alp Vir	0.97600	28000.	229	15000	No
12	GOM_TRA_1PNPDE20050112_011336_000000422033_00418_15001_0004.N1	12-JAN-2005 01:13:36	Dark	41.500	20	Bet Cru	1.2530	30000.	83	15001	No
13	GOM_TRA_1PNPDE20050112_011749_000000412033_00418_15001_0005.N1	12-JAN-2005 01:17:49	Dark	41.000	124	The Car	2.7640	30000.	82	15001	No
14	GOM_TRA_1PNPDE20050112_011919_000000412033_00418_15001_0006.N1	12-JAN-2005 01:19:19	Dark	40.500	29	Bet Car	1.6720	10200.	81	15001	No
15	GOM_TRA_1PNPDE20050112_012107_000000452033_00418_15001_0007.N1	12-JAN-2005 01:21:07	Dark	44.500	71	Iot Car	2.2460	7700.0	89	15001	No
16	GOM_TRA_1PNPDE20050112_012228_000000412033_00418_15001_0008.N1	12-JAN-2005 01:22:28	Dark	41.000	41	Eps Car	1.8600	4100.0	82	15001	No
17	GOM_TRA_1PNPDE20050112_012612_000000462033_00418_15001_0009.N1	12-JAN-2005 01:26:12	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	15001	No
18	GOM_TRA_1PNPDE20050112_012755_000000462033_00418_15001_0010.N1	12-JAN-2005 01:27:55	Dark	46.000	70	Zet Pup	2.2460	39000.	92	15001	No
19	GOM_TRA_1PNPDE20050112_012940_000000432033_00418_15001_0011.N1	12-JAN-2005 01:29:40	Dark	43.000	117	Pi Pup	2.7060	3800.0	86	15001	No
20	GOM_TRA_1PNPDE20050112_013214_000000492033_00418_15001_0012.N1	12-JAN-2005 01:32:14	Dark	49.000	23	21Eps CMa	1.5020	26000.	98	15001	No
21	GOM_TRA_1PNPDE20050112_013342_000000452033_00418_15001_0013.N1	12-JAN-2005 01:33:42	Twilight	44.500	179	24Omi2CMa	3.0320	24000.	89	15001	No
22	GOM_TRA_1PNPDE20050112_013558_000000542033_00418_15001_0014.N1	12-JAN-2005 01:35:58	Twilight	54.000	1	9Alp CMa	-1.4400	11000.	108	15001	No
23	GOM_TRA_1PNPDE20050112_013913_000000382033_00418_15001_0015.N1	12-JAN-2005 01:39:13	Bright	38.000	7	19Bet Ori	0.10000	14000.	76	15001	No
24	GOM_TRA_1PNPDE20050112_014054_000000422033_00418_15001_0016.N1	12-JAN-2005 01:40:54	Bright	42.000	30	46Eps Ori	1.6940	30000.	84	15001	No
25	GOM_TRA_1PNPDE20050112_014301_000000662033_00418_15001_0017.N1	12-JAN-2005 01:43:01	Bright	65.500	8	10Alp CMi	0.40000	6500.0	131	15001	No
26	GOM_TRA_1PNPDE20050112_014548_000000452033_00418_15001_0018.N1	12-JAN-2005 01:45:48	Bright	45.000	44	24Gam Gem	1.9280	11000.	90	15001	No
27	GOM_TRA_1PNPDE20050112_014731_000000452033_00418_15001_0019.N1	12-JAN-2005 01:47:31	Bright	44.500	151	13Mu Gem	2.8900	3000.0	89	15001	No
28	GOM_TRA_1PNPDE20050112_014915_000000382033_00418_15001_0020.N1	12-JAN-2005 01:49:15	Bright	38.000	28	12Bet Tau	1.6500	15200.	76	15001	No
29	GOM_TRA_1PNPDE20050112_021025_000000422033_00418_15001_0000.N1	12-JAN-2005 02:10:25	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	15001	No
30	GOM_TRA_1PNPDE20050112_021308_000000542033_00418_15001_0001.N1	12-JAN-2005 02:13:08	Bright	53.500	32	77Eps UMa	1.7630	11000.	107	15001	No
31	GOM_TRA_1PNPDE20050112_021708_000000372033_00418_15001_0002.N1	12-JAN-2005 02:17:08	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	15001	No
32	GOM_TRA_1PNPDE20050112_022008_000000392033_00418_15001_0003.N1	12-JAN-2005 02:20:08	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	15001	No
33	GOM_TRA_1PNPDE20050112_022151_000000502033_00418_15001_0004.N1	12-JAN-2005 02:21:51	Bright	49.500	180	27Gam Boo	3.0400	8000.0	99	15001	No
34	GOM_TRA_1PNPDE20050112_022609_000000542033_00418_15001_0005.N1	12-JAN-2005 02:26:09	Bright	53.500	83		2.3780	11000.	107	15001	No
35	GOM_TRA_1PNPDE20050112_022807_000000382033_00418_15001_0006.N1	12-JAN-2005 02:28:07	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	15001	No
36	GOM_TRA_1PNPDE20050112_023146_000000892033_00418_15001_0007.N1	12-JAN-2005 02:31:46	Bright	89.000	111	8Eta Boo	2.6800	6000.0	178	15001	No
37	GOM_TRA_1PNPDE20050112_023521_000000392033_00418_15001_0008.N1	12-JAN-2005 02:35:21	Twilight	38.500	98	13Zet Oph	2.5710	30000.	77	15001	No
38	GOM_TRA_1PNPDE20050112_023721_000000492033_00418_15001_0009.N1	12-JAN-2005 02:37:21	Twilight	48.500	104	27Bet Lib	2.6140	13100.	97	15001	No
39	GOM_TRA_1PNPDE20050112_023947_000000502033_00418_15001_0010.N1	12-JAN-2005 02:39:47	Twilight	50.000	16	21Alp Sco	1.0200	3000.0	100	15001	No
40	GOM_TRA_1PNPDE20050112_024455_000000402033_00418_15001_0011.N1	12-JAN-2005 02:44:55	Twilight	40.000	131	Gam Lup	2.8000	26000.	80	15001	No
41	GOM_TRA_1PNPDE20050112_024653_000000982033_00418_15001_0012.N1	12-JAN-2005 02:46:53	Dark	97.500	15	67Alp Vir	0.97600	28000.	195	15001	No
42	GOM_TRA_1PNPDE20050112_025411_000000472033_00419_15002_0013.N1	12-JAN-2005 02:54:11	Dark	46.500	20	Bet Cru	1.2530	30000.	93	15002	No
43	GOM_TRA_1PNPDE20050112_025825_000000412033_00419_15002_0014.N1	12-JAN-2005 02:58:25	Dark	40.500	124	The Car	2.7640	30000.	81	15002	No
44	GOM_TRA_1PNPDE20050112_025954_000000472033_00419_15002_0015.N1	12-JAN-2005 02:59:54	Dark	47.000	29	Bet Car	1.6720	10200.	94	15002	No
45	GOM_TRA_1PNPDE20050112_030144_000000442033_00419_15002_0016.N1	12-JAN-2005 03:01:44	Dark	44.000	71	Iot Car	2.2460	7700.0	88	15002	No
46	GOM_TRA_1PNPDE20050112_030303_000000542033_00419_15002_0017.N1	12-JAN-2005 03:03:03	Dark	54.000	41	Eps Car	1.8600	4100.0	108	15002	No

47	GOM_TRA_1PNPDE20050112_030648_000000472033_00419_15002_0018.N1	12-JAN-2005 03:06:48	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	15002	No
48	GOM_TRA_1PNPDE20050112_030831_000000472033_00419_15002_0019.N1	12-JAN-2005 03:08:31	Dark	47.000	70	Zet Pup	2.2460	39000.	94	15002	No
49	GOM_TRA_1PNPDE20050112_031016_000000492033_00419_15002_0020.N1	12-JAN-2005 03:10:16	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	15002	No
50	GOM_TRA_1PNPDE20050112_031250_000000492033_00419_15002_0021.N1	12-JAN-2005 03:12:50	Dark	49.000	23	21Eps CMa	1.5020	26000.	98	15002	No

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



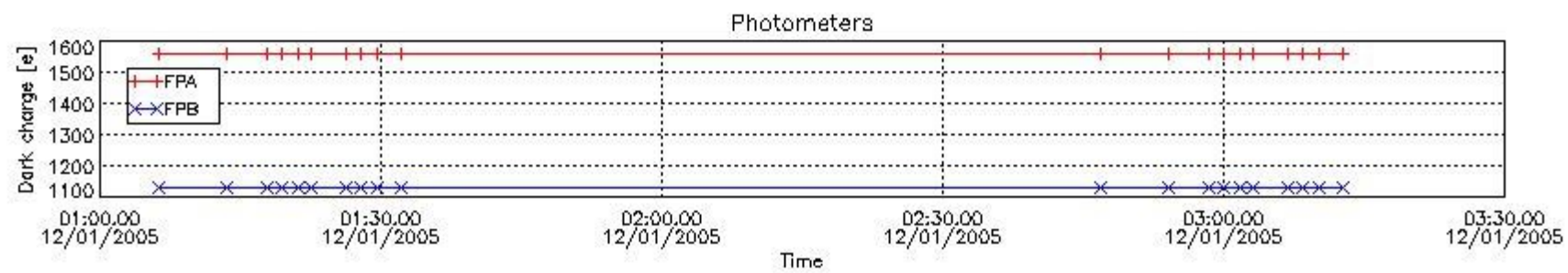
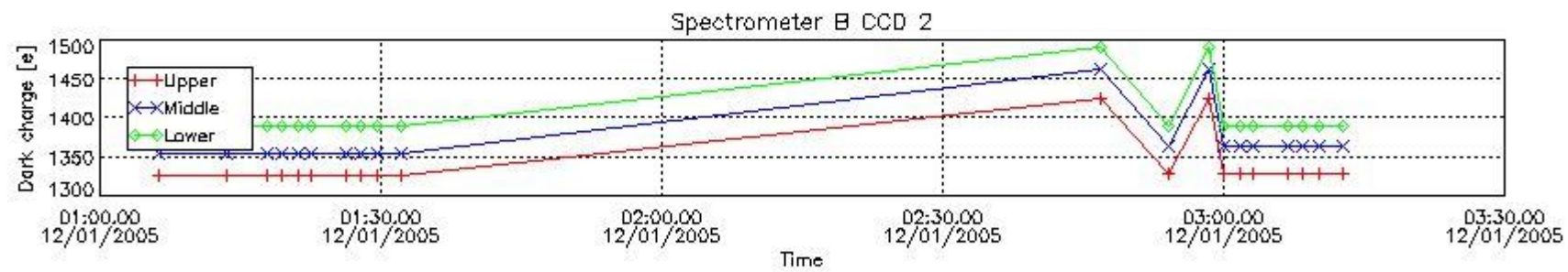
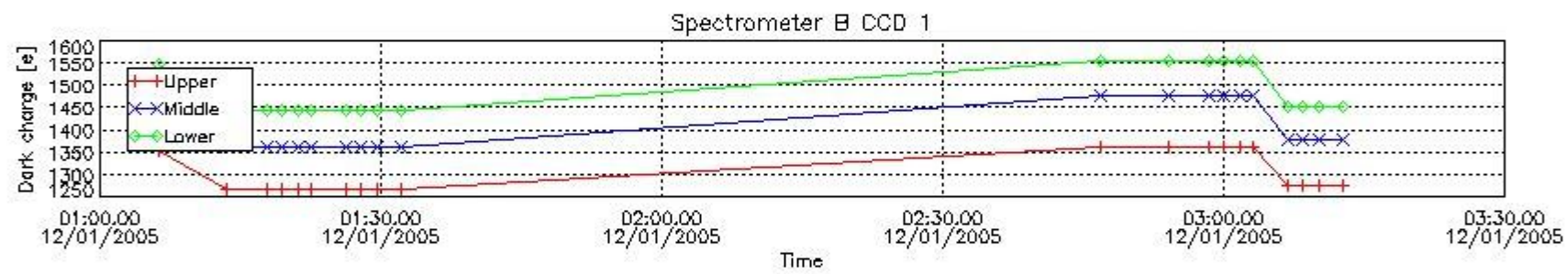
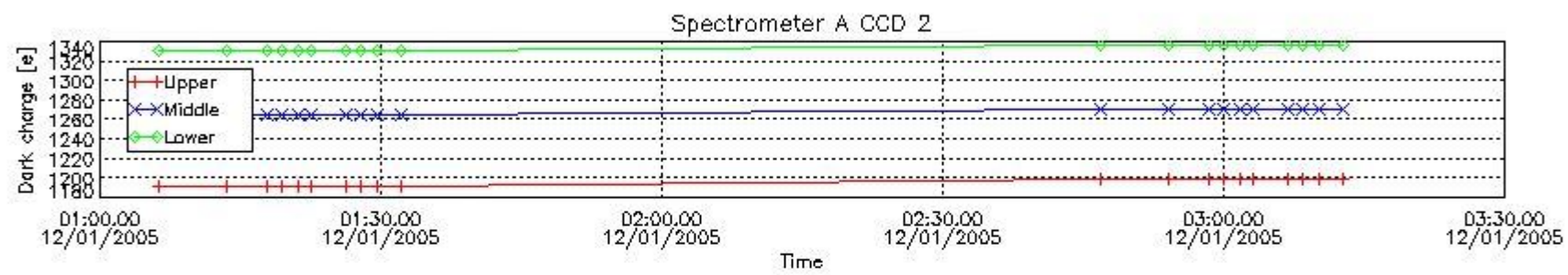
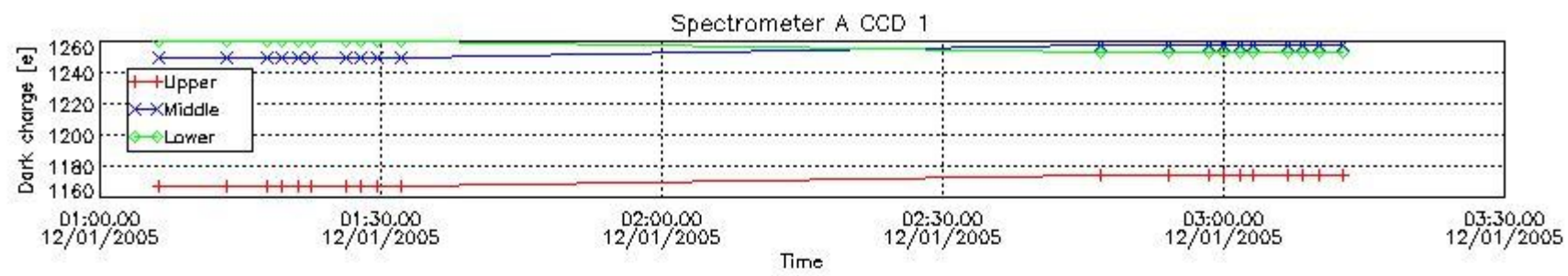
4. Overview of dark signal processing per product

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



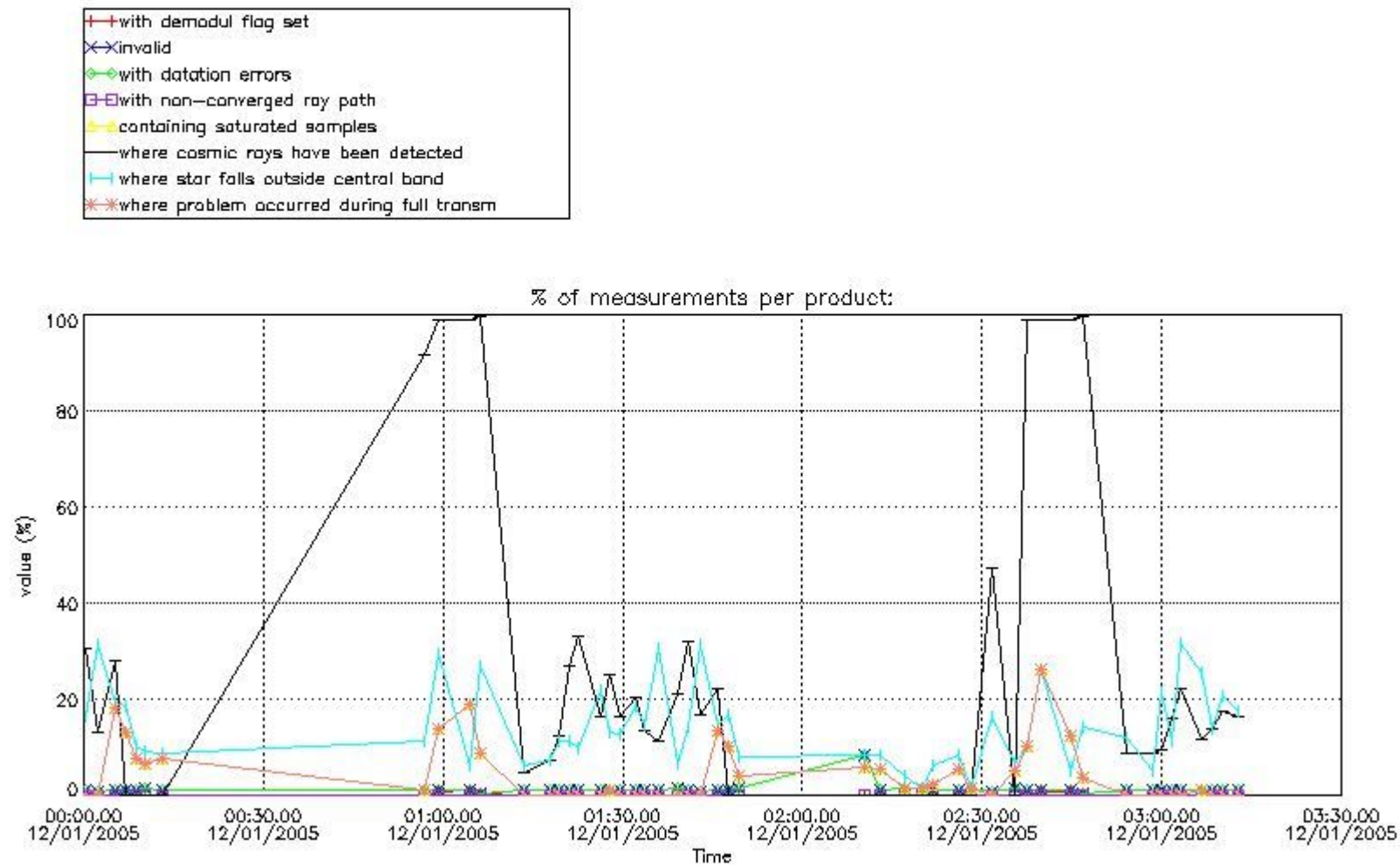
5. Demodulation flag and quality information monitoring

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.

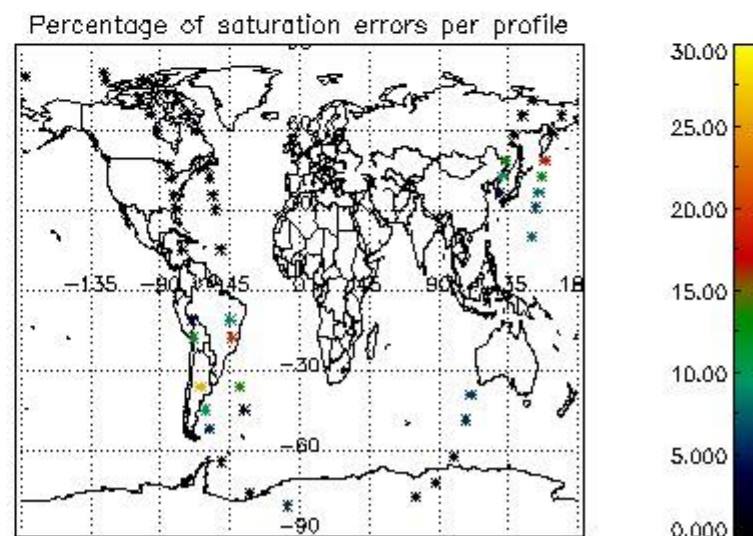
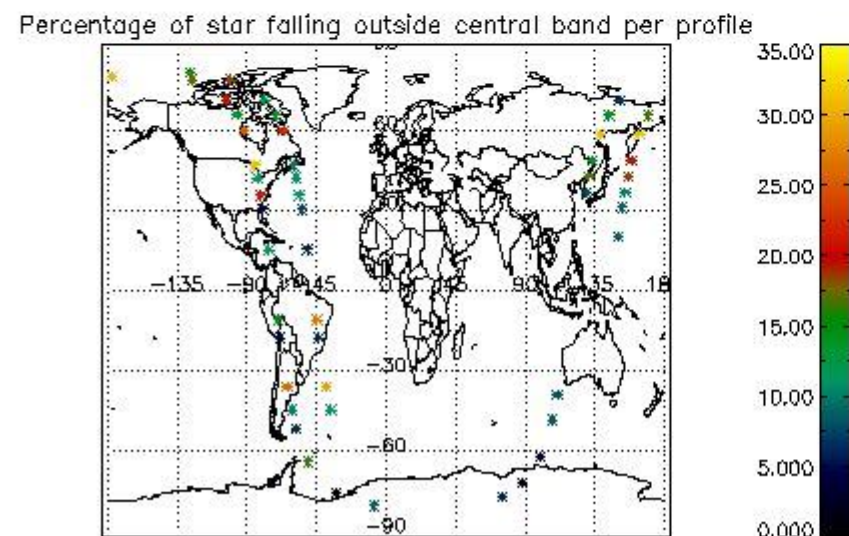
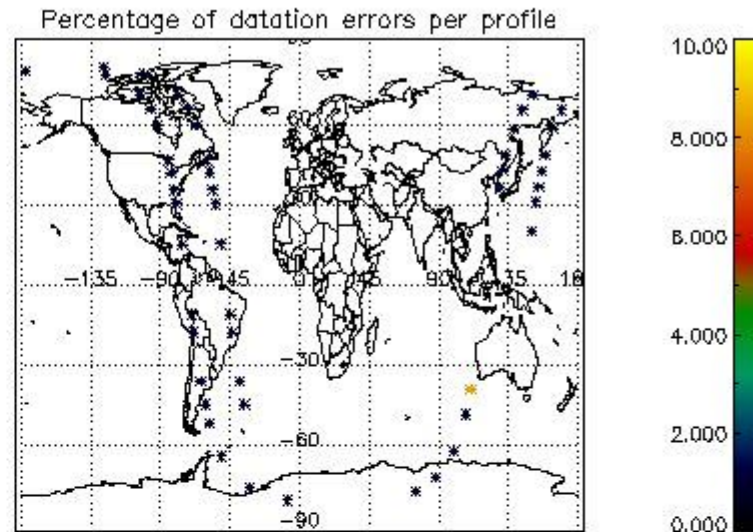
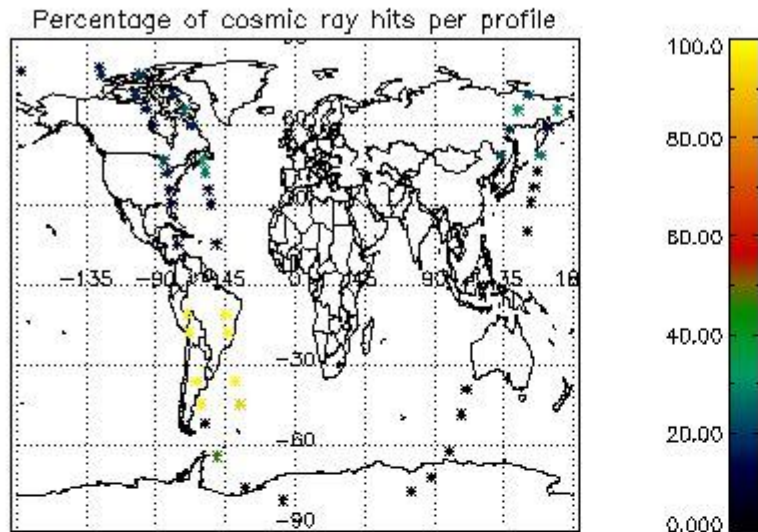
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	24.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



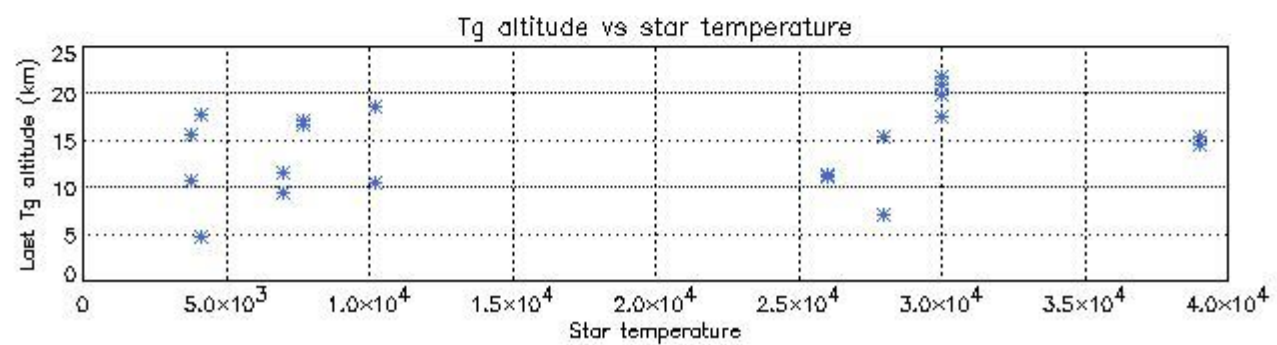
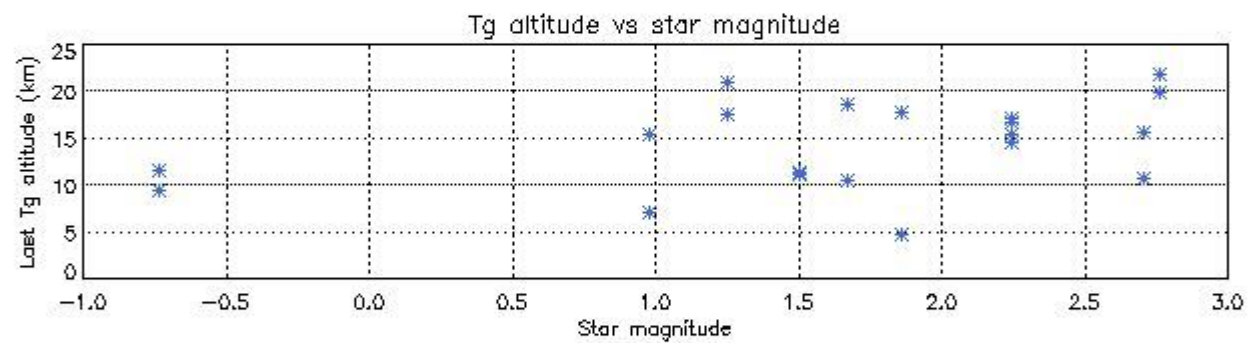
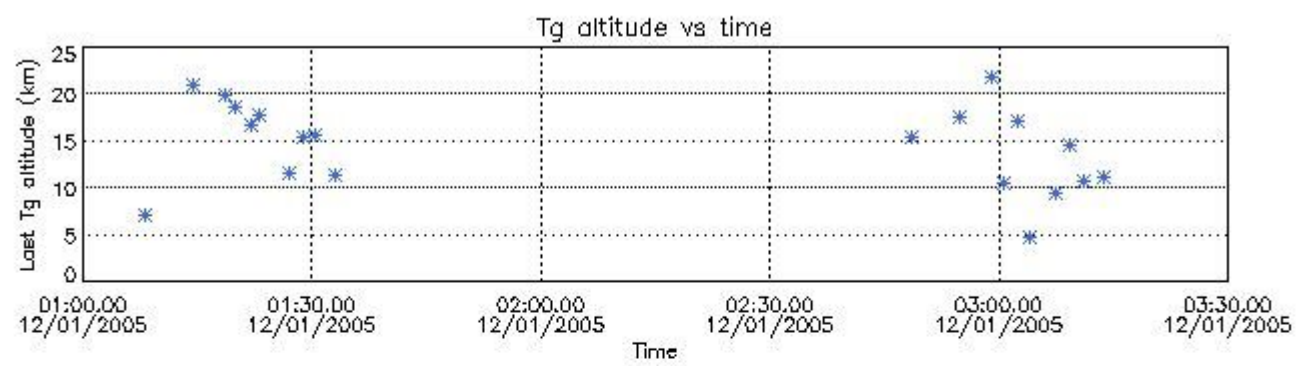
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.362	16.400	14.455
St. deviation:	4.6413	5.1879	5.9540
Maximum:	21.720	24.590	20.954
Minimum:	4.7574	5.5168	6.4321
Number of data:	20.000	21.000	9.0000

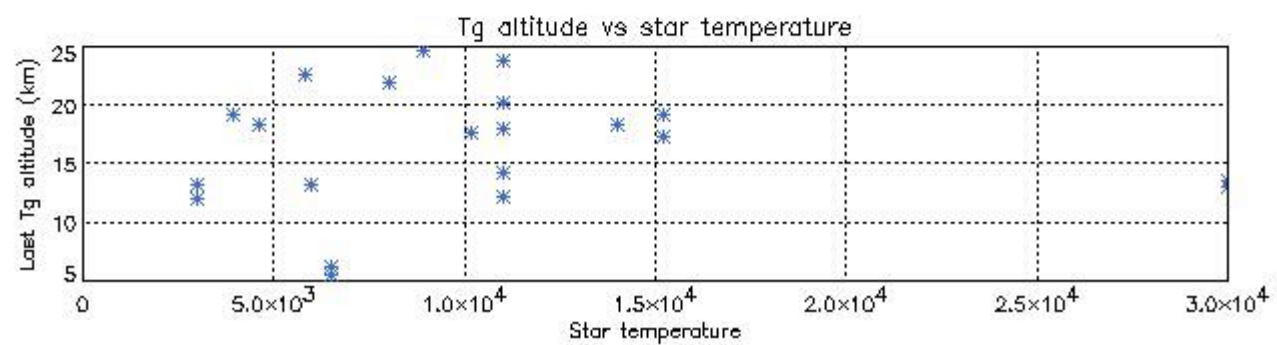
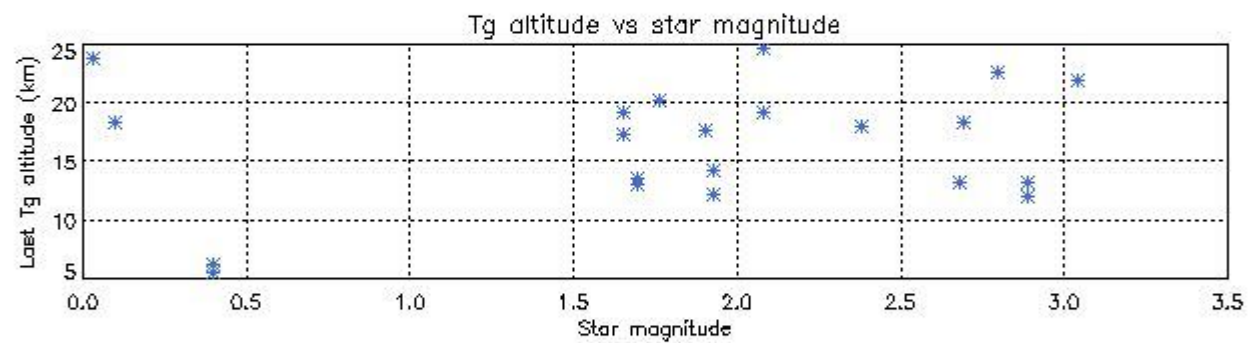
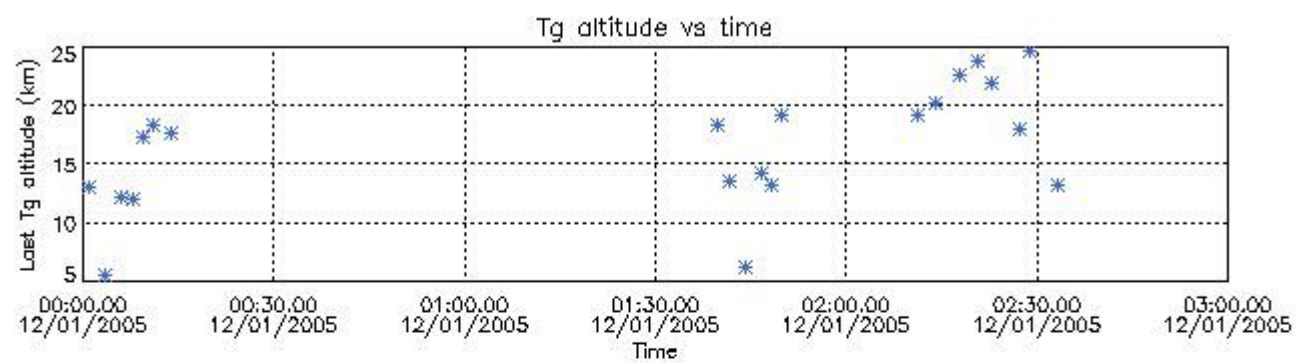
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



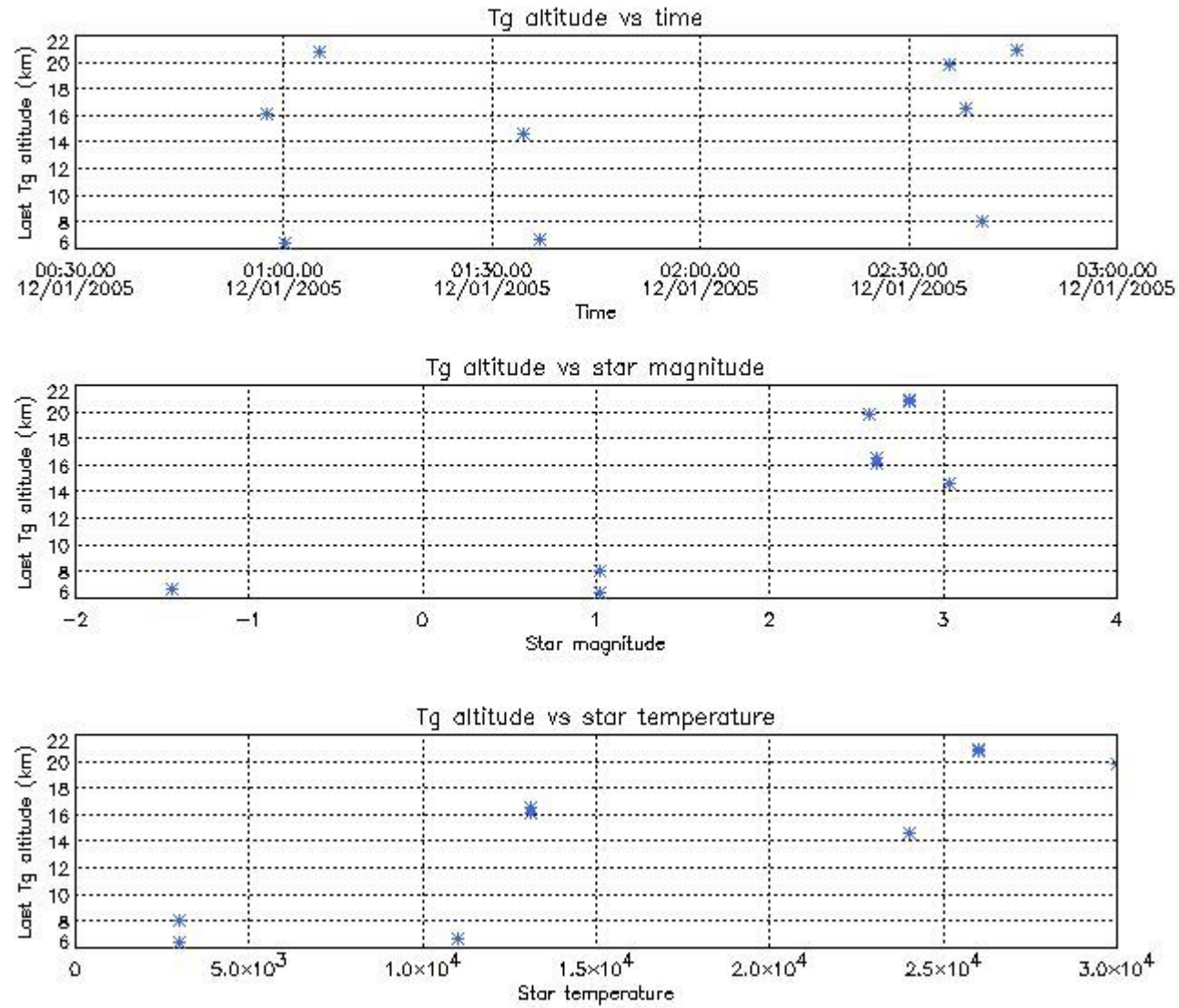
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost



7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

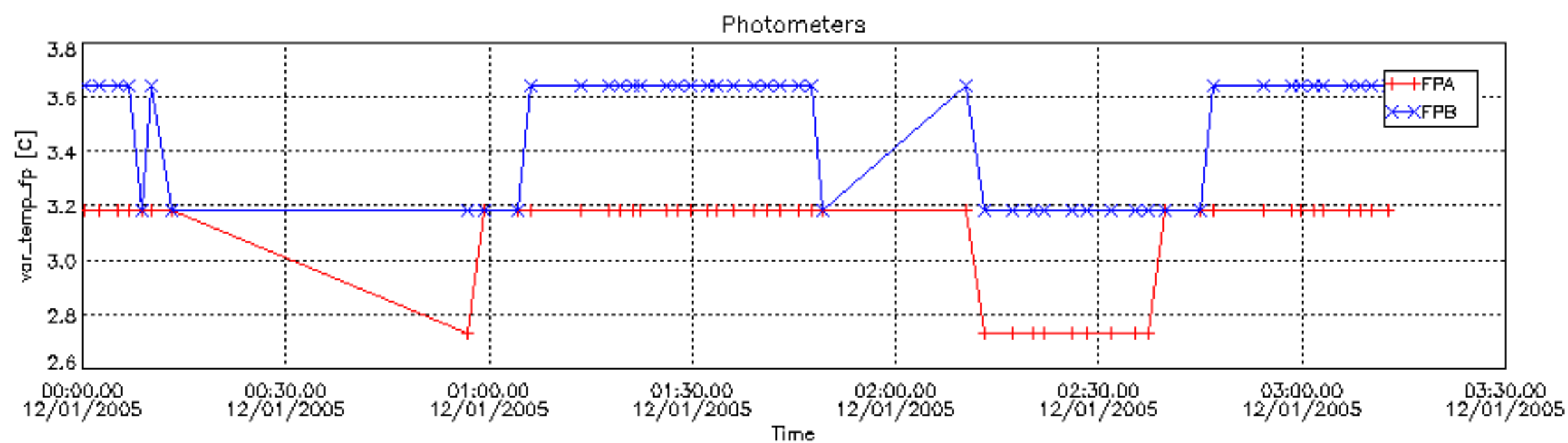
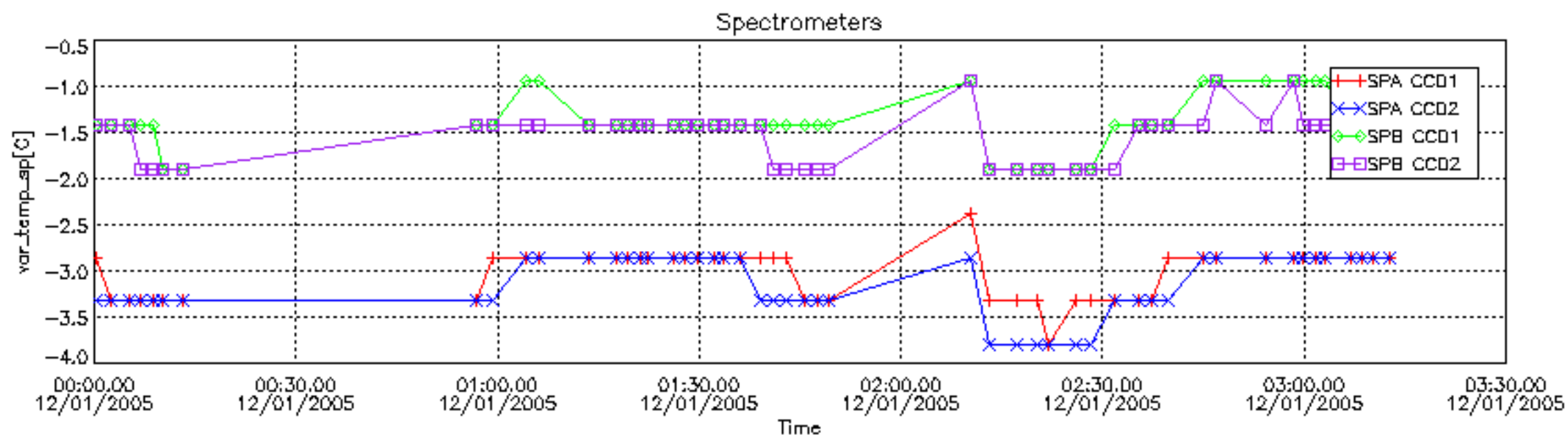
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: 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.

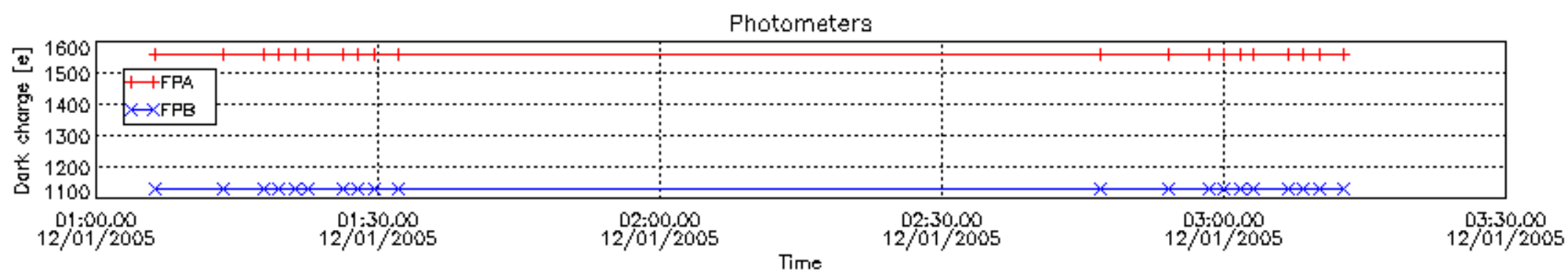
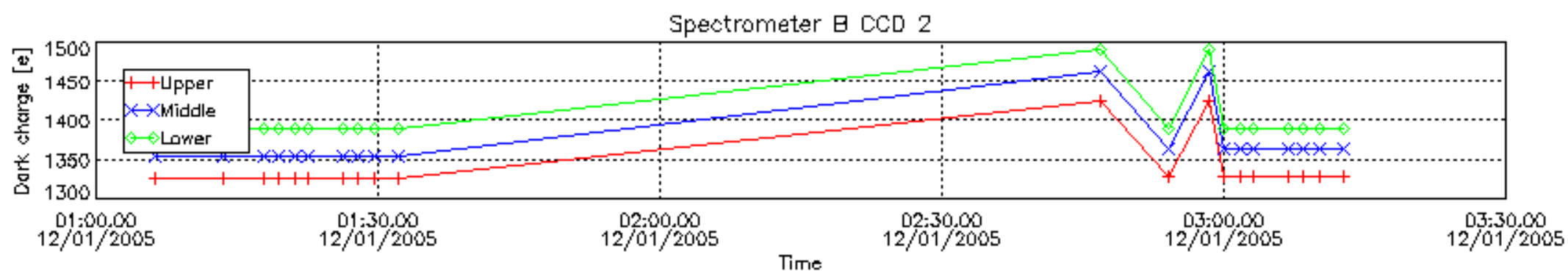
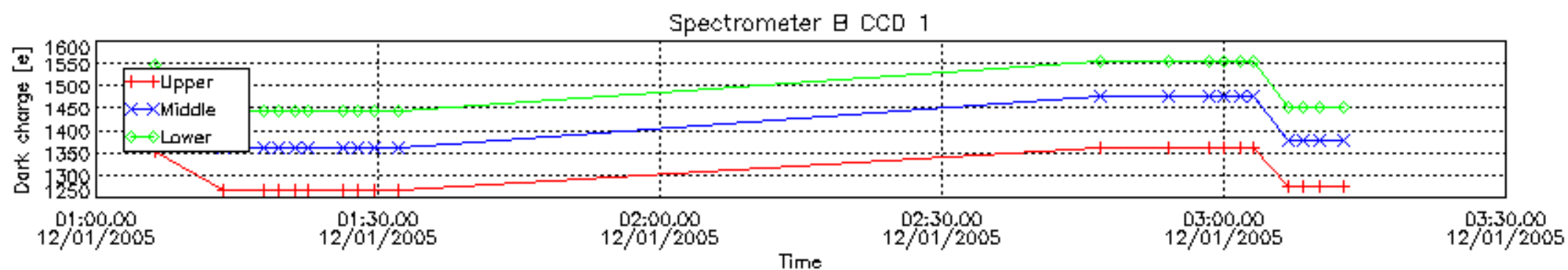
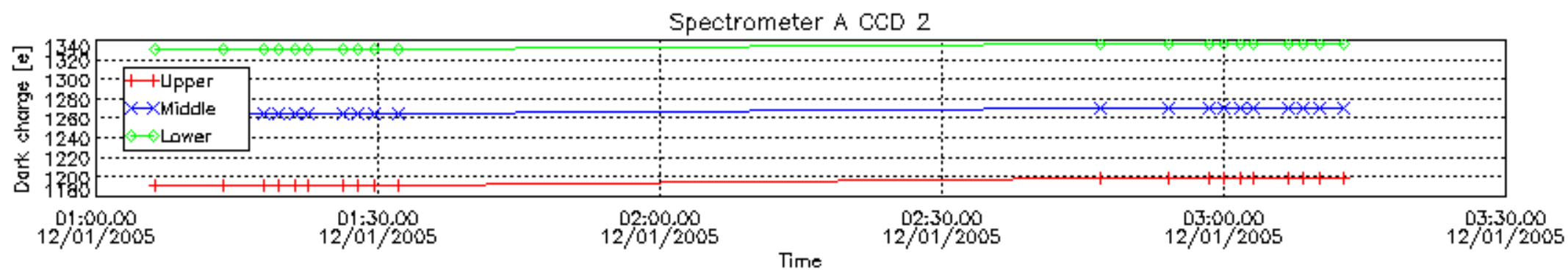
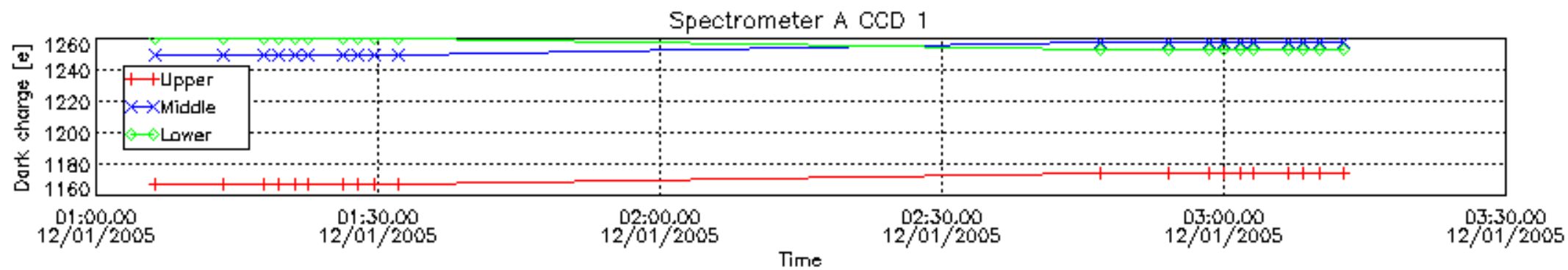
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1461.7	1446.5	1461.2	1447.7
St. deviation:	4.6364	5.7949	4.8785	6.5900
Maximum:	1520.0	1552.0	1505.0	1506.0
Minimum:	1445.0	1430.0	1439.0	1431.0
Number of data:	26100.	26100.	24450.	24450.

8. Auxiliary Data Files used for the production reported in section 2.2

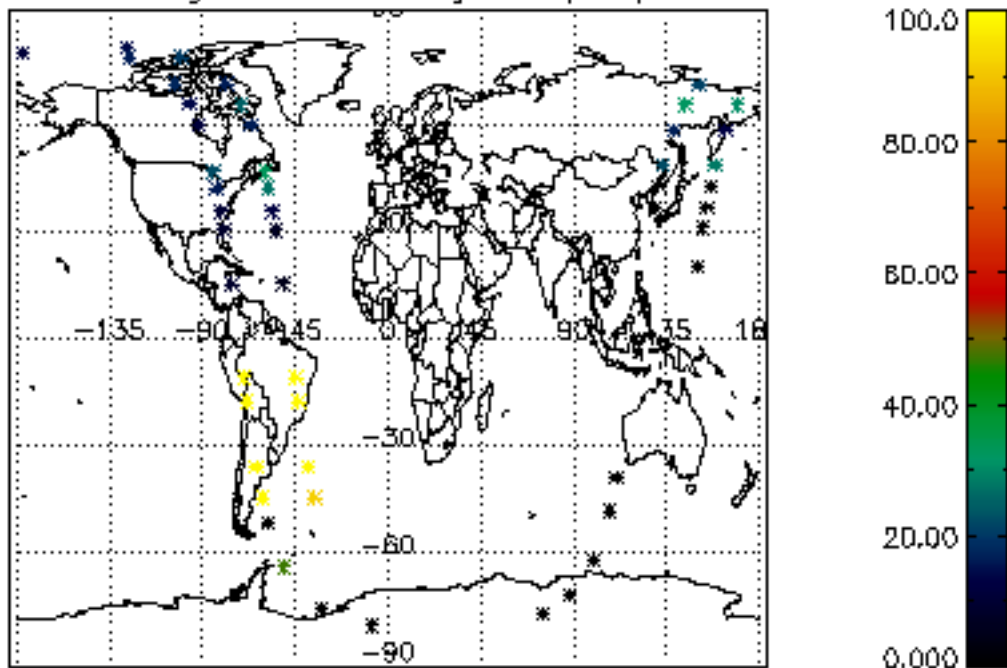
The number reported in the third column indicates since which file (see list in section 2.2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20030716_105425_20030716_120000_20100101_000000	1	12-JAN-2005 00:00:18
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20050110_095700_20050108_000000_20100101_000000	1	12-JAN-2005 00:00:18
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20040401_083133_20020324_200000_20100101_000000	1	12-JAN-2005 00:00:18
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	12-JAN-2005 00:00:18
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20020121_165822_20020101_000000_20200101_000000	1	12-JAN-2005 00:00:18
ECMWF_FILE	AUX_ECF_AXNECM20050111_060858_20050111_210000_20050112_090000	1	12-JAN-2005 00:00:18
OPTIONAL_ECMWF_FILE	NOT USED	1	12-JAN-2005 00:00:18
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20050110_234822_20050110_185831_20050120_202447	1	12-JAN-2005 00:00:18

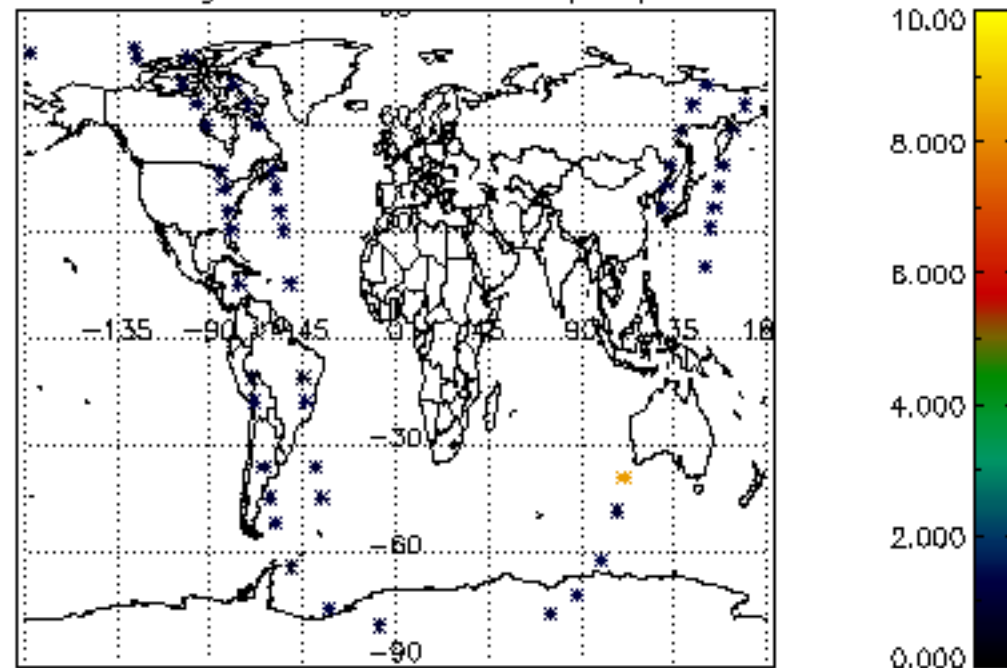




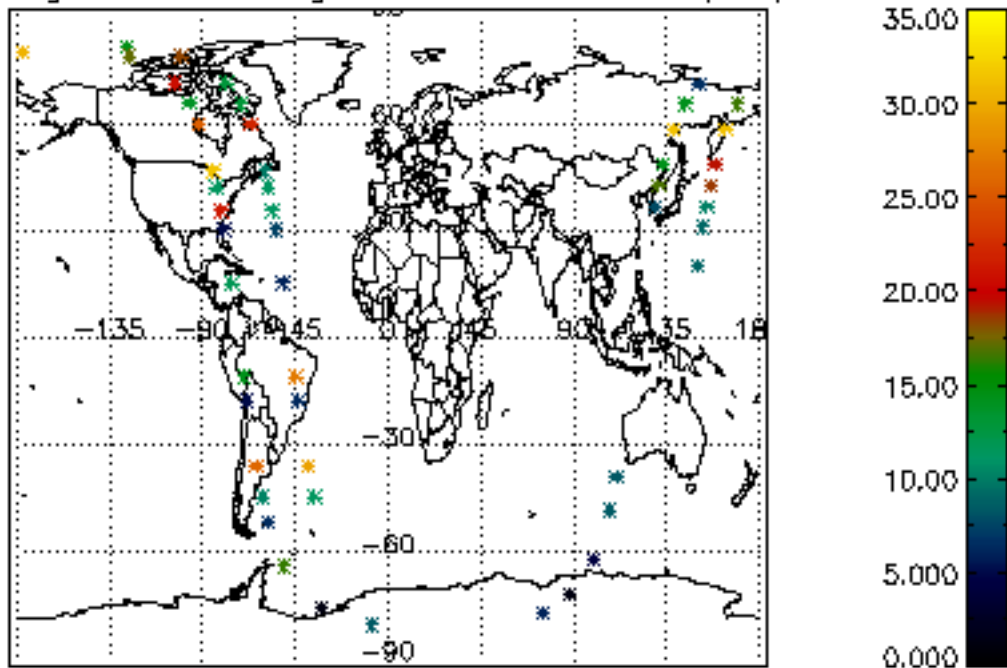
Percentage of cosmic ray hits per profile



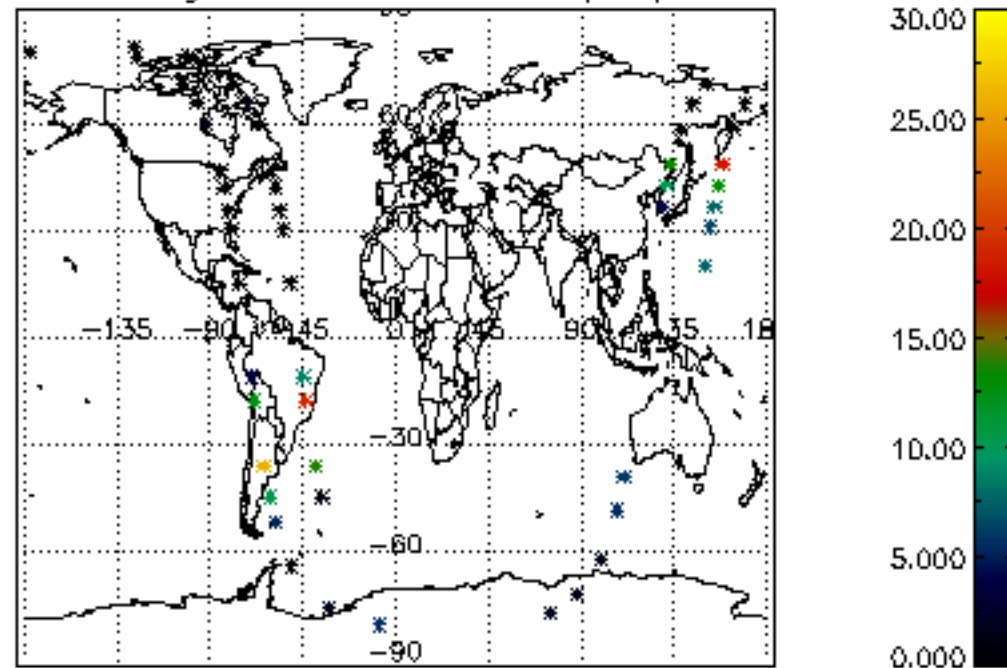
Percentage of datation errors per profile



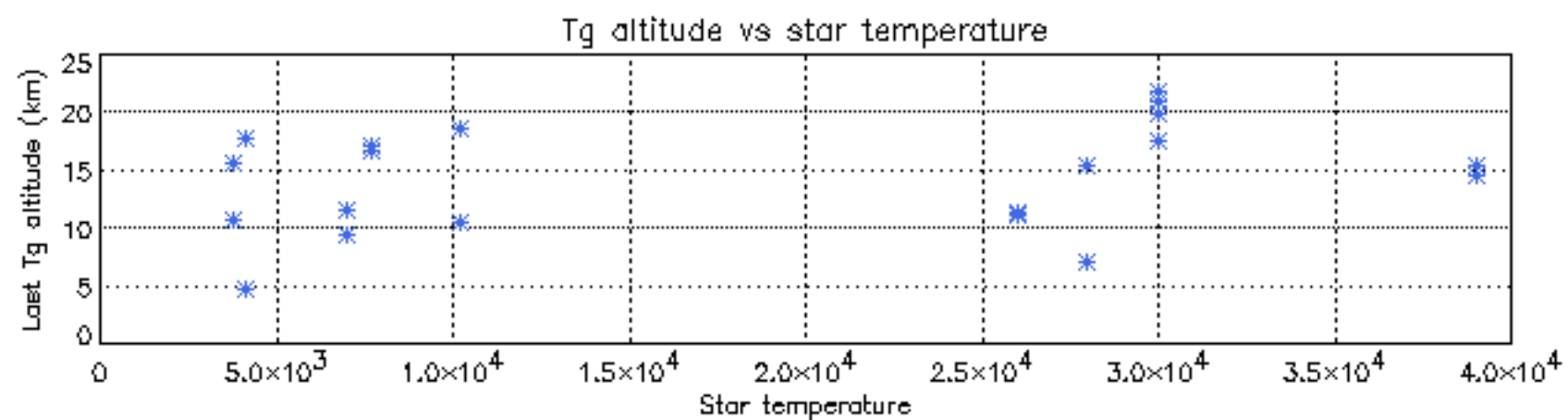
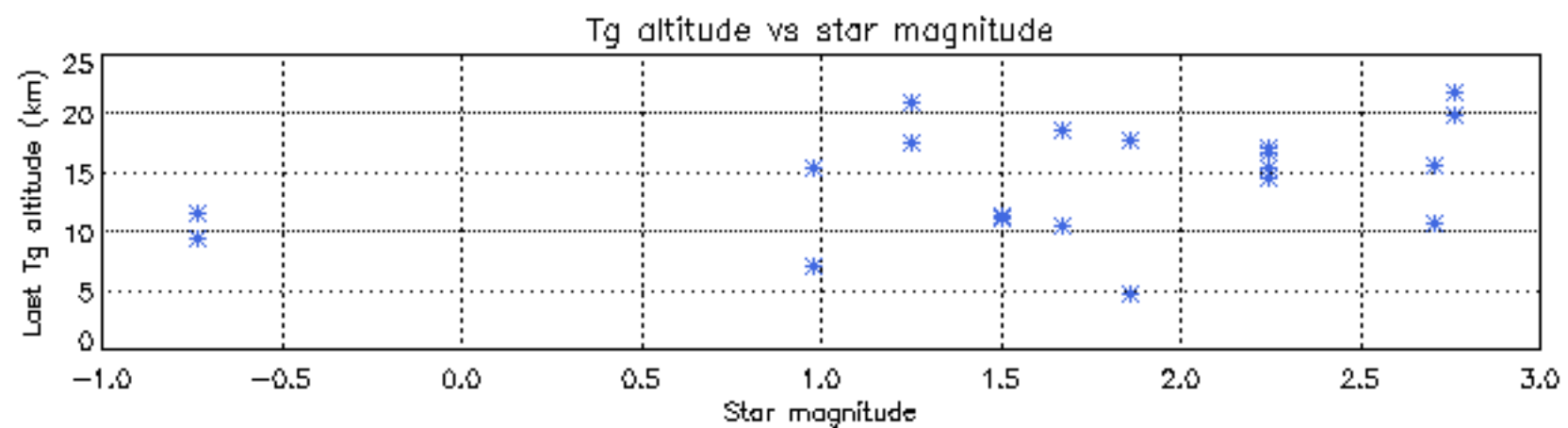
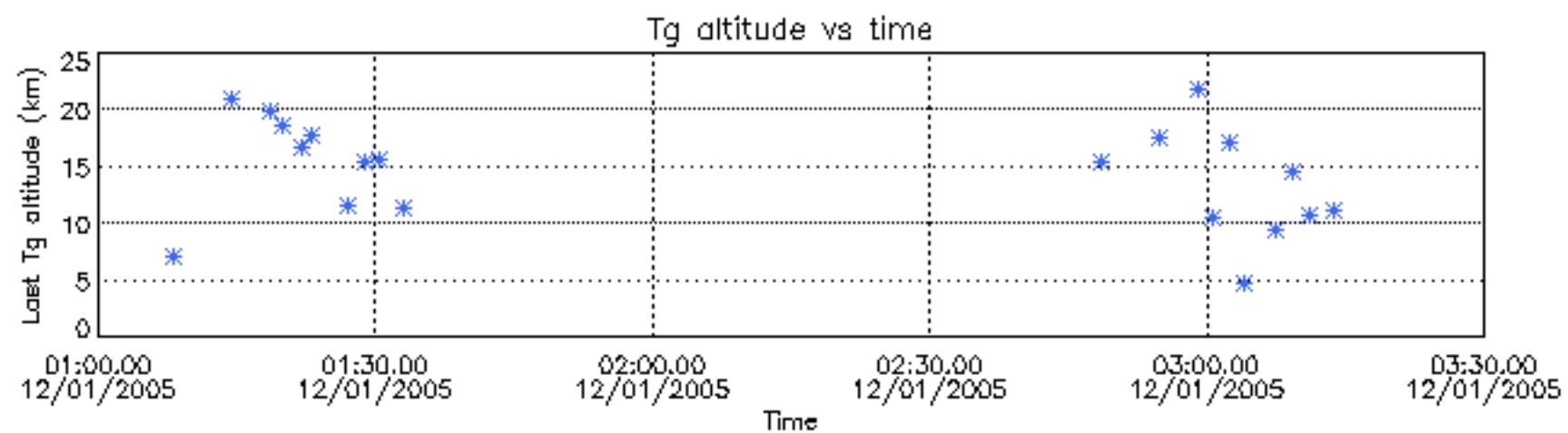
Percentage of star falling outside central band per profile



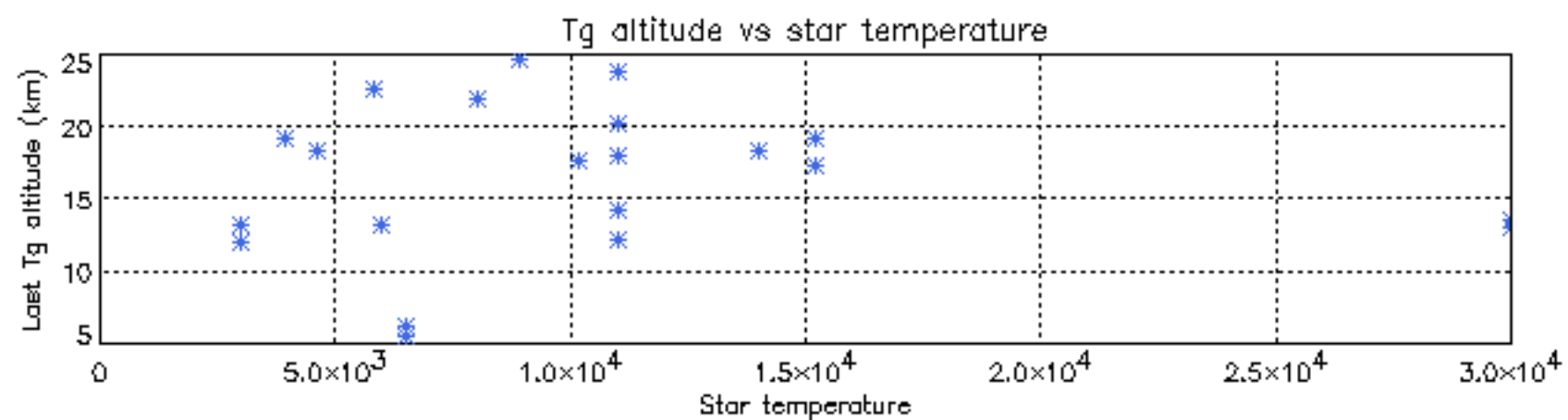
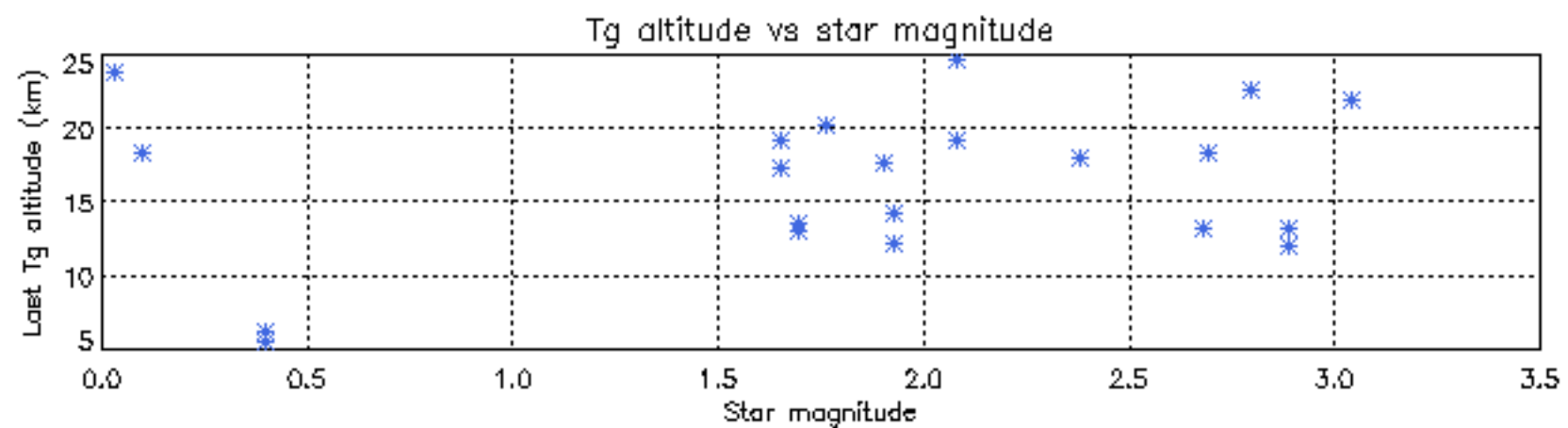
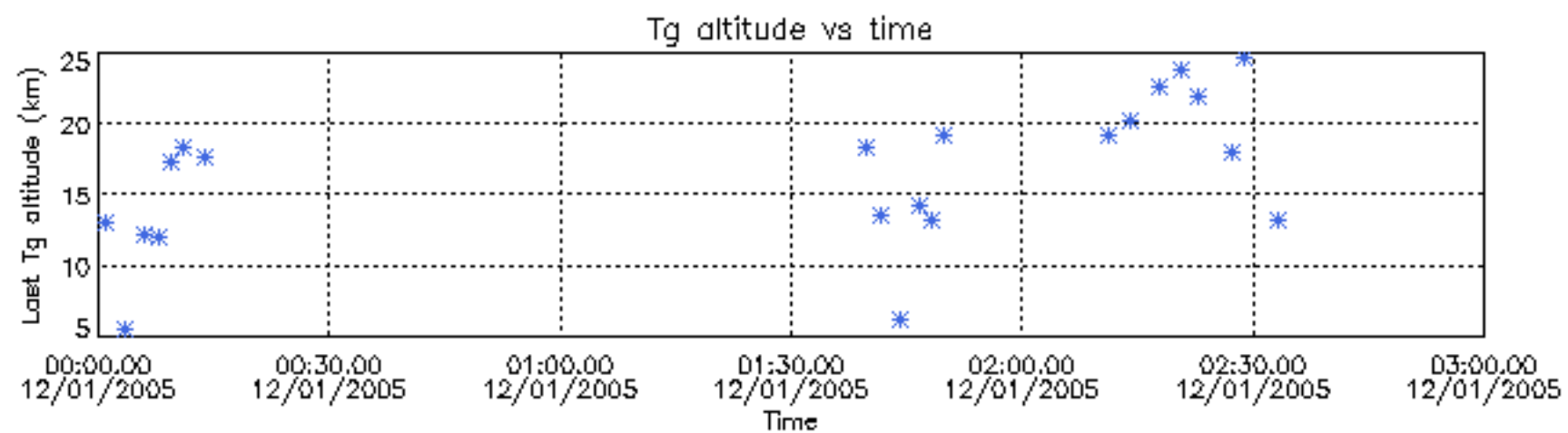
Percentage of saturation errors per profile



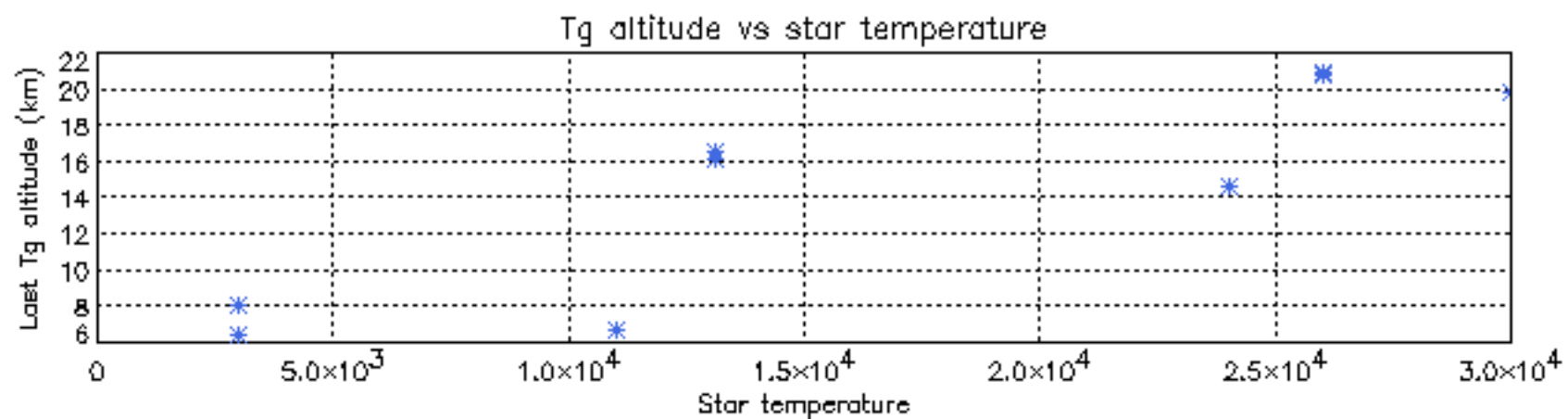
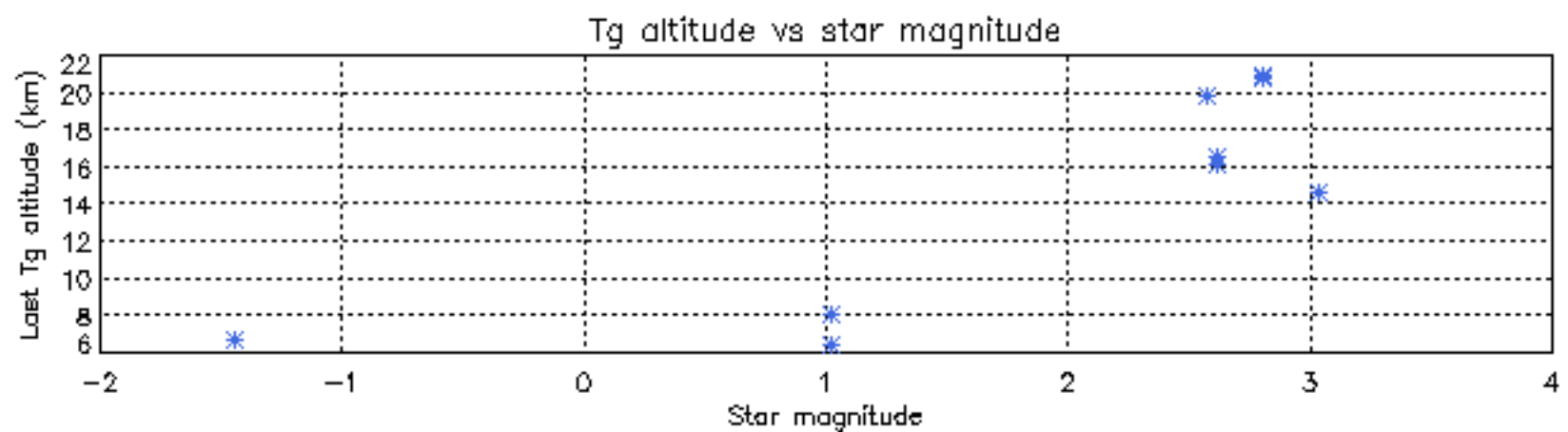
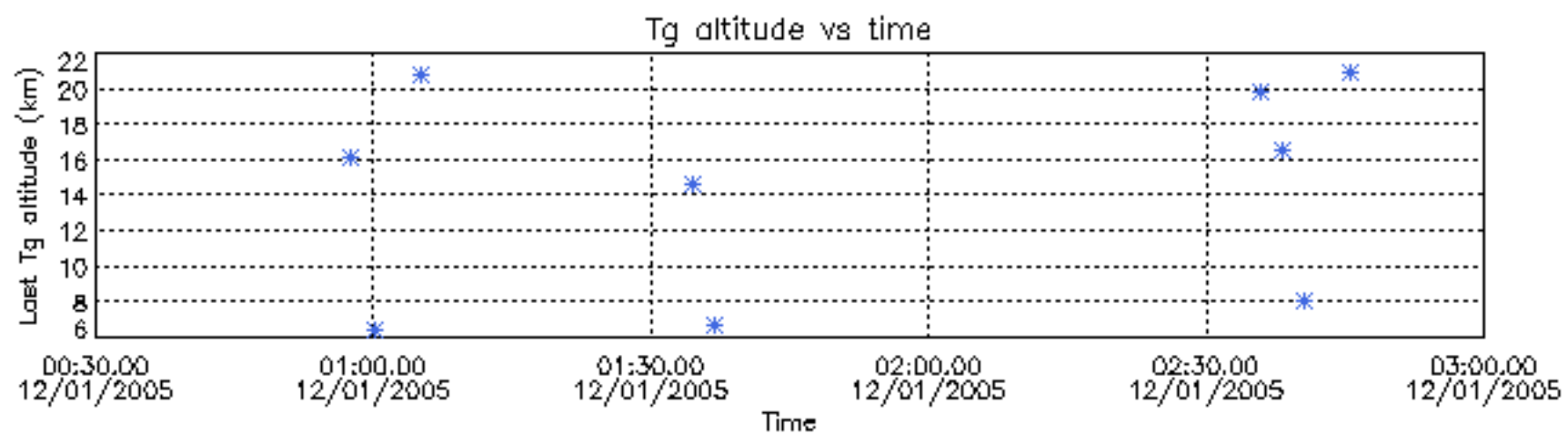
Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



/nas1/ENVISAT/GOMOS/from_DDS/GOM_NL__0PNPDE20050101_000317_000059232033_00259_14842_1596.N1

1;	-683.2;	01-JAN-2005	00:03:17;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	91;	0;	14842
2;	-474.4;	01-JAN-2005	00:06:46;	Dark	;	69.0;	15;	67Alp Vir	;	0.98;	28000;occ;	138;	0;	14842
3;	-192.1;	01-JAN-2005	00:11:28;	Dark	;	39.5;	78;	Alp Lup	;	2.30;	28000;occ;	79;	0;	14842
4;	-105.7;	01-JAN-2005	00:12:55;	Dark	;	45.0;	95;	Zet Cen	;	2.55;	26000;occ;	90;	0;	14842
5;	-2.3;	01-JAN-2005	00:14:38;	Dark	;	45.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	90;	0;	14842
6;	106.9;	01-JAN-2005	00:16:27;	Dark	;	47.0;	64;	Gam Cen	;	2.20;	10600;occ;	94;	0;	14843
7;	227.0;	01-JAN-2005	00:18:28;	Dark	;	55.0;	12;	Alp1Cru	;	0.77;	30000;occ;	110;	0;	14843
8;	400.9;	01-JAN-2005	00:21:21;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	14843
9;	547.0;	01-JAN-2005	00:23:48;	Dark	;	40.5;	29;	Bet Car	;	1.67;	10200;occ;	81;	0;	14843
10;	628.2;	01-JAN-2005	00:25:09;	Dark	;	51.5;	71;	Iot Car	;	2.25;	7700;occ;	103;	0;	14843
11;	725.4;	01-JAN-2005	00:26:46;	Dark	;	55.0;	41;	Eps Car	;	1.86;	4100;occ;	110;	0;	14843
12;	846.1;	01-JAN-2005	00:28:47;	Dark	;	56.5;	65;	Lam Vel	;	2.20;	4400;occ;	113;	0;	14843
13;	977.2;	01-JAN-2005	00:30:58;	Dark	;	46.5;	2;	Alp Car	;	-0.74;	7000;occ;	93;	0;	14843
14;	1171.4;	01-JAN-2005	00:34:12;	Dark	;	51.5;	117;	Pi Pup	;	2.71;	3800;occ;	103;	0;	14843
15;	1339.3;	01-JAN-2005	00:37:00;	Dark	;	50.5;	23;	21Eps CMa	;	1.50;	26000;occ;	101;	0;	14843
16;	1432.6;	01-JAN-2005	00:38:33;	Dark	;	46.5;	179;	240mi2CMa	;	3.03;	24000;occ;	93;	0;	14843
17;	1579.6;	01-JAN-2005	00:41:00;	Dark	;	55.5;	1;	9Alp CMa	;	-1.44;	11000;occ;	111;	0;	14843
18;	1768.2;	01-JAN-2005	00:44:09;	Dark	;	46.5;	7;	19Bet Ori	;	0.10;	14000;occ;	93;	0;	14843
19;	1879.6;	01-JAN-2005	00:46:00;	Dark	;	43.0;	30;	46Eps Ori	;	1.69;	30000;occ;	86;	0;	14843
20;	2091.3;	01-JAN-2005	00:49:32;	Dark	;	83.0;	8;	10Alp CMI	;	0.40;	6500;occ;	166;	0;	14843
21;	2226.9;	01-JAN-2005	00:51:47;	Dark	;	50.5;	44;	24Gam Gem	;	1.93;	11000;occ;	101;	0;	14843
22;	2323.7;	01-JAN-2005	00:53:24;	Bright;	;	48.0;	151;	13Mu Gem	;	2.89;	3000;occ;	96;	0;	14843
23;	2470.5;	01-JAN-2005	00:55:51;	Bright;	;	39.0;	114;	3Iot Aur	;	2.69;	4600;occ;	78;	0;	14843
24;	2562.0;	01-JAN-2005	00:57:23;	Bright;	;	42.0;	107;	37The Aur	;	2.65;	11000;occ;	84;	0;	14843
25;	2690.9;	01-JAN-2005	00:59:32;	Bright;	;	41.5;	6;	13Alp Aur	;	0.08;	3400;occ;	83;	0;	14843
26;	2799.5;	01-JAN-2005	01:01:20;	Bright;	;	38.0;	35;	33Alp Per	;	1.79;	6250;occ;	76;	0;	14843
27;	2877.2;	01-JAN-2005	01:02:38;	Bright;	;	37.0;	160;	23Gam Per	;	2.93;	4700;occ;	74;	0;	14843
28;	3420.6;	01-JAN-2005	01:11:41;	Bright;	;	38.5;	49;	1Alp UMi	;	1.99;	6300;occ;	77;	0;	14843
29;	3592.4;	01-JAN-2005	01:14:33;	Bright;	;	50.0;	36;	50Alp UMA	;	1.80;	6300;occ;	100;	0;	14843
30;	3835.1;	01-JAN-2005	01:18:36;	Bright;	;	56.5;	87;	64Gam UMA	;	2.43;	11000;occ;	113;	0;	14843
31;	3967.7;	01-JAN-2005	01:20:48;	Bright;	;	46.5;	55;	79Zet UMA	;	2.06;	10200;occ;	93;	0;	14843
32;	4105.1;	01-JAN-2005	01:23:06;	Bright;	;	48.5;	39;	85Eta UMA	;	1.85;	24000;occ;	97;	0;	14843
33;	4351.9;	01-JAN-2005	01:27:12;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;occ;	124;	0;	14843
34;	4573.3;	01-JAN-2005	01:30:54;	Bright;	;	62.0;	83;		;	2.38;	11000;occ;	124;	0;	14843
35;	4825.9;	01-JAN-2005	01:35:06;	Bright;	;	56.5;	111;	8Eta Boo	;	2.68;	6000;occ;	113;	0;	14843
36;	5028.6;	01-JAN-2005	01:38:29;	Bright;	;	37.5;	120;	1Del Oph	;	2.73;	3200;occ;	75;	0;	14843
37;	5194.0;	01-JAN-2005	01:41:15;	Bright;	;	47.0;	104;	27Bet Lib	;	2.61;	13100;occ;	94;	0;	14843

/nas1/ENVISAT/GOMOS/from_DDS/GOM_NL__0PNPDE20050101_014125_000042862033_00260_14843_1597.N1

1;	-831.4;	01-JAN-2005	01:41:25;	Bright;	;	47.5;	104;	27Bet Lib	;	2.61;	13100;occ;	95;	21;	14843
2;	-682.6;	01-JAN-2005	01:43:54;	Dark	;	47.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	94;	0;	14843
3;	-472.4;	01-JAN-2005	01:47:24;	Dark	;	69.0;	15;	67Alp Vir	;	0.98;	28000;occ;	138;	0;	14843
4;	-192.0;	01-JAN-2005	01:52:04;	Dark	;	41.0;	78;	Alp Lup	;	2.30;	28000;occ;	82;	0;	14843
5;	-103.3;	01-JAN-2005	01:53:33;	Dark	;	43.0;	95;	Zet Cen	;	2.55;	26000;occ;	86;	0;	14843
6;	-1.3;	01-JAN-2005	01:55:15;	Dark	;	43.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	86;	0;	14843
7;	107.7;	01-JAN-2005	01:57:04;	Dark	;	49.0;	64;	Gam Cen	;	2.20;	10600;occ;	98;	0;	14844
8;	227.5;	01-JAN-2005	01:59:04;	Dark	;	44.5;	12;	Alp1Cru	;	0.77;	30000;occ;	89;	0;	14844
9;	401.2;	01-JAN-2005	02:01:58;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	14844
10;	547.0;	01-JAN-2005	02:04:23;	Dark	;	39.5;	29;	Bet Car	;	1.67;	10200;occ;	79;	0;	14844
11;	630.6;	01-JAN-2005	02:05:47;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;occ;	88;	0;	14844
12;	723.5;	01-JAN-2005	02:07:20;	Dark	;	54.0;	41;	Eps Car	;	1.86;	4100;occ;	108;	0;	14844
13;	847.2;	01-JAN-2005	02:09:24;	Dark	;	55.0;	65;	Lam Vel	;	2.20;	4400;occ;	110;	0;	14844
14;	977.4;	01-JAN-2005	02:11:34;	Dark	;	50.5;	2;	Alp Car	;	-0.74;	7000;occ;	101;	0;	14844
15;	1170.1;	01-JAN-2005	02:14:47;	Dark	;	51.5;	117;	Pi Pup	;	2.71;	3800;occ;	103;	0;	14844
16;	1339.6;	01-JAN-2005	02:17:36;	Dark	;	50.0;	23;	21Eps CMa	;	1.50;	26000;occ;	100;	0;	14844
17;	1432.3;	01-JAN-2005	02:19:09;	Dark	;	45.5;	179;	240mi2CMa	;	3.03;	24000;occ;	91;	0;	14844
18;	1578.1;	01-JAN-2005	02:21:35;	Dark	;	59.0;	1;	9Alp CMa	;	-1.44;	11000;occ;	118;	0;	14844
19;	1767.7;	01-JAN-2005	02:24:44;	Dark	;	52.0;	7;	19Bet Ori	;	0.10;	14000;occ;	104;	0;	14844
20;	1877.4;	01-JAN-2005	02:26:34;	Dark	;	47.0;	30;	46Eps Ori	;	1.69;	30000;occ;	94;	0;	14844
21;	2090.4;	01-JAN-2005	02:30:07;	Dark	;	69.5;	8;	10Alp CMI	;	0.40;	6500;occ;	139;	0;	14844
22;	2226.3;	01-JAN-2005	02:32:23;	Dark	;	50.0;	44;	24Gam Gem	;	1.93;	11000;occ;	100;	0;	14844
23;	2321.7;	01-JAN-2005	02:33:58;	Bright;	;	51.5;	151;	13Mu Gem	;	2.89;	3000;occ;	103;	0;	14844
24;	2470.5;	01-JAN-2005	02:36:27;	Bright;	;	40.5;	114;	3Iot Aur	;	2.69;	4600;occ;	81;	0;	14844
25;	2563.4;	01-JAN-2005	02:38:00;	Bright;	;	42.0;	107;	37The Aur	;	2.65;	11000;occ;	84;	0;	14844
26;	2690.9;	01-JAN-2005	02:40:07;	Bright;	;	42.5;	6;	13Alp Aur	;	0.08;	3400;occ;	85;	0;	14844
27;	2800.2;	01-JAN-2005	02:41:57;	Bright;	;	41.0;	35;	33Alp Per	;	1.79;	6250;occ;	82;	0;	14844
28;	2877.5;	01-JAN-2005	02:43:14;	Bright;	;	39.0;	160;	23Gam Per	;	2.93;	4700;occ;	78;	0;	14844
29;	3418.8;	01-JAN-2005	02:52:15;	Bright;	;	36.5;	49;	1Alp UMi	;	1.99;	6300;occ;	73;	0;	14844

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1;-2444.4; 01-JAN-2005 02:55:08; Bright; 50.0; 36; 50Alp UMA ; 1.80; 6300;occ; 100; 0;14844
 2;-2201.7; 01-JAN-2005 02:59:11; Bright; 56.0; 87; 64Gam UMA ; 2.43; 11000;occ; 112; 0;14844
 3;-2069.2; 01-JAN-2005 03:01:23; Bright; 48.0; 55; 79Zet UMA ; 2.06; 10200;occ; 96; 0;14844
 4;-1931.2; 01-JAN-2005 03:03:41; Bright; 47.5; 39; 85Eta UMA ; 1.85; 24000;occ; 95; 0;14844
 5;-1684.3; 01-JAN-2005 03:07:48; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;14844
 6;-1462.8; 01-JAN-2005 03:11:30; Bright; 46.5; 83; ; 2.38; 11000;occ; 93; 0;14844
 7;-1209.1; 01-JAN-2005 03:15:43; Bright; 54.5; 111; 8Eta Boo ; 2.68; 6000;occ; 109; 0;14844
 8;-1007.7; 01-JAN-2005 03:19:05; Bright; 37.5; 120; 1Del Oph ; 2.73; 3200;occ; 75; 0;14844
 9; -842.1; 01-JAN-2005 03:21:50; Bright; 52.5; 104; 27Bet Lib ; 2.61; 13100;occ; 105; 0;14844
 10; -681.9; 01-JAN-2005 03:24:30; Dark ; 47.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 95; 0;14844
 11; -471.0; 01-JAN-2005 03:28:01; Dark ; 71.0; 15; 67Alp Vir ; 0.98; 28000;occ; 142; 0;14844
 12; -279.9; 01-JAN-2005 03:31:12; Dark ; 40.0; 109; Bet Lup ; 2.68; 26000;occ; 80; 0;14844
 13; -191.3; 01-JAN-2005 03:32:41; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;14844
 14; -101.5; 01-JAN-2005 03:34:11; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;14844
 15; -0.6; 01-JAN-2005 03:35:52; Dark ; 52.0; 4; Alp1Cen ;-0.01; 5800;occ; 104; 0;14844
 16; 230.9; 01-JAN-2005 03:39:43; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;14845
 17; 401.5; 01-JAN-2005 03:42:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14845
 18; 547.9; 01-JAN-2005 03:45:00; Dark ; 39.5; 29; Bet Car ; 1.67; 10200;occ; 79; 0;14845
 19; 631.8; 01-JAN-2005 03:46:24; Dark ; 50.0; 71; Iot Car ; 2.25; 7700;occ; 100; 0;14845
 20; 726.8; 01-JAN-2005 03:47:59; Dark ; 41.0; 41; Eps Car ; 1.86; 4100;occ; 82; 0;14845
 21; 847.6; 01-JAN-2005 03:50:00; Dark ; 56.5; 65; Lam Vel ; 2.20; 4400;occ; 113; 0;14845
 22; 978.8; 01-JAN-2005 03:52:11; Dark ; 45.5; 2; Alp Car ;-0.74; 7000;occ; 91; 0;14845
 23; 1173.0; 01-JAN-2005 03:55:25; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;14845
 24; 1340.7; 01-JAN-2005 03:58:13; Dark ; 48.5; 23; 21Eps CMA ; 1.50; 26000;occ; 97; 0;14845
 25; 1432.4; 01-JAN-2005 03:59:45; Dark ; 48.0; 179; 240mi2CMA ; 3.03; 24000;occ; 96; 0;14845
 26; 1580.7; 01-JAN-2005 04:02:13; Dark ; 53.5; 1; 9Alp CMA ;-1.44; 11000;occ; 107; 0;14845
 27; 1768.6; 01-JAN-2005 04:05:21; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;14845
 28; 1879.9; 01-JAN-2005 04:07:12; Dark ; 43.5; 30; 46Eps Ori ; 1.69; 30000;occ; 87; 0;14845
 29; 2089.8; 01-JAN-2005 04:10:42; Dark ; 71.0; 8; 10Alp CMi ; 0.40; 6500;occ; 142; 0;14845
 30; 2225.7; 01-JAN-2005 04:12:58; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;14845
 31; 2323.8; 01-JAN-2005 04:14:36; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;14845
 32; 2470.6; 01-JAN-2005 04:17:03; Bright; 41.0; 114; 3Iot Aur ; 2.69; 4600;occ; 82; 0;14845
 33; 2563.8; 01-JAN-2005 04:18:36; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;14845
 34; 2690.8; 01-JAN-2005 04:20:43; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;14845
 35; 2800.2; 01-JAN-2005 04:22:33; Bright; 37.5; 35; 33Alp Per ; 1.79; 6250;occ; 75; 0;14845
 36; 2877.9; 01-JAN-2005 04:23:50; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0;14845
 37; 3420.9; 01-JAN-2005 04:32:53; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;14845
 38; 3590.6; 01-JAN-2005 04:35:43; Bright; 50.5; 36; 50Alp UMa ; 1.80; 6300;occ; 101; 0;14845

/nas1/ENVISAT/GOMOS/from_DDS/GOM_NL__0PNPDE20050101_043627_000060342033_00262_14845_1599.N1

1;-2400.9; 01-JAN-2005 04:36:27; Bright; 51.0; 36; 50Alp UMA ; 1.80; 6300;occ; 102; 89;14845
 2;-2202.3; 01-JAN-2005 04:39:46; Bright; 56.0; 87; 64Gam UMA ; 2.43; 11000;occ; 112; 0;14845
 3;-2068.9; 01-JAN-2005 04:41:59; Bright; 47.5; 55; 79Zet UMA ; 2.06; 10200;occ; 95; 0;14845
 4;-1931.2; 01-JAN-2005 04:44:17; Bright; 48.0; 39; 85Eta UMA ; 1.85; 24000;occ; 96; 0;14845
 5;-1684.3; 01-JAN-2005 04:48:24; Bright; 42.5; 180; 27Gam Boo ; 3.04; 8000;occ; 85; 0;14845
 6;-1463.2; 01-JAN-2005 04:52:05; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;14845
 7;-1209.2; 01-JAN-2005 04:56:19; Bright; 56.5; 111; 8Eta Boo ; 2.68; 6000;occ; 113; 0;14845
 8;-1009.1; 01-JAN-2005 04:59:39; Bright; 39.5; 120; 1Del Oph ; 2.73; 3200;occ; 79; 0;14845
 9; -840.6; 01-JAN-2005 05:02:28; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;14845
 10; -680.8; 01-JAN-2005 05:05:08; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;14845
 11; -470.2; 01-JAN-2005 05:08:38; Dark ; 83.5; 15; 67Alp Vir ; 0.98; 28000;occ; 167; 0;14845
 12; -280.0; 01-JAN-2005 05:11:48; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;14845
 13; -191.1; 01-JAN-2005 05:13:17; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;14845
 14; -100.9; 01-JAN-2005 05:14:47; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;14845
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3; -4918.4; 11-JAN-2005 18:45:32; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;14997
4; -4813.6; 11-JAN-2005 18:47:16; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;14997
5; -4657.7; 11-JAN-2005 18:49:52; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;14997
6; -4571.2; 11-JAN-2005 18:51:19; Dark ; 43.0; 179; 240mi2CMA ; 3.03; 24000;occ; 86; 0;14997
7; -4434.8; 11-JAN-2005 18:53:35; Dark ; 47.0; 1; 9Alp CMA ; -1.44; 11000;occ; 94; 0;14997
8; -4241.3; 11-JAN-2005 18:56:49; Dark ; 51.0; 7; 19Bet Ori ; 0.10; 14000;occ; 102; 0;14997
9; -4138.9; 11-JAN-2005 18:58:31; Dark ; 41.0; 30; 46Eps Ori ; 1.69; 30000;occ; 82; 0;14997
10; -4002.5; 11-JAN-2005 19:00:48; Dark ; 48.0; 14; 58Alp Ori ; 0.87; 3000;occ; 96; 0;14997
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12; -3742.4; 11-JAN-2005 19:05:08; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;14997
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16; -3237.5; 11-JAN-2005 19:13:33; Bright; 37.5; 175; 39Del Per ; 3.01; 19400;occ; 75; 0;14997
17; -2612.4; 11-JAN-2005 19:23:58; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;14997
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23; -1682.4; 11-JAN-2005 19:39:28; Bright; 49.0; 180; 27Gam Boo ; 3.04; 8000;occ; 98; 0;14997
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25; -1303.4; 11-JAN-2005 19:45:47; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;14997
26; -1092.5; 11-JAN-2005 19:49:18; Dark ; 84.5; 111; 8Eta Boo ; 2.68; 6000;occ; 169; 0;14997
27; -873.3; 11-JAN-2005 19:52:57; Bright; 37.5; 98; 13Zet Oph ; 2.57; 30000;occ; 75; 0;14997
28; -753.2; 11-JAN-2005 19:54:57; Dark ; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;14997
29; -606.3; 11-JAN-2005 19:57:24; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;14997
30; -298.7; 11-JAN-2005 20:02:31; Dark ; 39.0; 131; Gam Lup ; 2.80; 26000;occ; 78; 0;14997
31; -189.9; 11-JAN-2005 20:04:20; Dark ; 95.5; 15; 67Alp Vir ; 0.98; 28000;occ; 191; 0;14997
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33; 257.6; 11-JAN-2005 20:11:48; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;14998
34; 359.0; 11-JAN-2005 20:13:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14998
35; 510.9; 11-JAN-2005 20:16:01; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;14998
36; 601.2; 11-JAN-2005 20:17:31; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;14998
37; 709.5; 11-JAN-2005 20:19:20; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;14998
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3; -298.3; 12-JAN-2005 01:04:19; Dark ; 39.5; 131; Gam Lup ; 2.80; 26000;occ; 79; 0;15000
4; -183.1; 12-JAN-2005 01:06:15; Dark ; 114.5; 15; 67Alp Vir ; 0.98; 28000;occ; 229; 0;15000
5; 258.7; 12-JAN-2005 01:13:36; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0;15001
6; 362.0; 12-JAN-2005 01:15:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;15001
7; 511.1; 12-JAN-2005 01:17:49; Dark ; 41.0; 124; The Car ; 2.76; 30000;occ; 82; 0;15001
8; 600.9; 12-JAN-2005 01:19:19; Dark ; 40.5; 29; Bet Car ; 1.67; 10200;occ; 81; 0;15001
9; 709.5; 12-JAN-2005 01:21:07; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;15001
10; 790.1; 12-JAN-2005 01:22:28; Dark ; 41.0; 41; Eps Car ; 1.86; 4100;occ; 82; 0;15001
11; 1013.8; 12-JAN-2005 01:26:12; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;15001
12; 1117.3; 12-JAN-2005 01:27:55; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;15001
13; 1222.6; 12-JAN-2005 01:29:40; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;15001
14; 1376.0; 12-JAN-2005 01:32:14; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;15001
15; 1464.2; 12-JAN-2005 01:33:42; Dark ; 44.5; 179; 240mi2CMA ; 3.03; 24000;occ; 89; 0;15001
16; 1599.9; 12-JAN-2005 01:35:58; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;15001
17; 1795.2; 12-JAN-2005 01:39:13; Dark ; 38.0; 7; 19Bet Ori ; 0.10; 14000;occ; 76; 0;15001
18; 1896.8; 12-JAN-2005 01:40:54; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;15001
19; 2022.9; 12-JAN-2005 01:43:01; Dark ; 65.5; 8; 10Alp CMI ; 0.40; 6500;occ; 131; 0;15001
20; 2190.7; 12-JAN-2005 01:45:48; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;15001
21; 2293.4; 12-JAN-2005 01:47:31; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;15001
22; 2397.7; 12-JAN-2005 01:49:15; Bright; 38.0; 28; 12Bet Tau ; 1.65; 15200;occ; 76; 0;15001
23; 2488.3; 12-JAN-2005 01:50:46; Bright; 39.0; 114; 3Iot Aur ; 2.69; 4600;occ; 78; 0;15001
24; 2672.5; 12-JAN-2005 01:53:50; Bright; 39.0; 42; 34Bet Aur ; 1.90; 10200;occ; 78; 0;15001
25; 2799.9; 12-JAN-2005 01:55:58; Bright; 52.5; 175; 39Del Per ; 3.01; 19400;occ; 105; 0;15001

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2;	-2206.1;	12-JAN-2005	02:13:08;	Bright;	53.5;	32;	77Eps UMa	; 1.76;	11000;occ;	107;	0;	15001
3;	-1965.5;	12-JAN-2005	02:17:08;	Bright;	36.5;	130;	23Bet Dra	; 2.80;	5800;occ;	73;	0;	15001
4;	-1785.9;	12-JAN-2005	02:20:08;	Bright;	39.0;	5;	3Alp Lyr	; 0.03;	11000;occ;	78;	0;	15001
5;	-1683.0;	12-JAN-2005	02:21:51;	Bright;	49.5;	180;	27Gam Boo	; 3.04;	8000;occ;	99;	0;	15001
6;	-1424.4;	12-JAN-2005	02:26:09;	Bright;	53.5;	83;		; 2.38;	11000;occ;	107;	0;	15001
7;	-1306.3;	12-JAN-2005	02:28:07;	Bright;	38.0;	59;	55Alp Oph	; 2.08;	8900;occ;	76;	0;	15001
8;	-1088.0;	12-JAN-2005	02:31:46;	Dark	; 89.0;	111;	8Eta Boo	; 2.68;	6000;occ;	178;	0;	15001
9;	-873.0;	12-JAN-2005	02:35:21;	Bright;	38.5;	98;	13Zet Oph	; 2.57;	30000;occ;	77;	0;	15001
10;	-752.5;	12-JAN-2005	02:37:21;	Dark	; 48.5;	104;	27Bet Lib	; 2.61;	13100;occ;	97;	0;	15001
11;	-606.8;	12-JAN-2005	02:39:47;	Dark	; 50.0;	16;	21Alp Sco	; 1.02;	3000;occ;	100;	0;	15001
12;	-298.4;	12-JAN-2005	02:44:55;	Dark	; 40.0;	131;	Gam Lup	; 2.80;	26000;occ;	80;	0;	15001
13;	-180.6;	12-JAN-2005	02:46:53;	Dark	; 97.5;	15;	67Alp Vir	; 0.98;	28000;occ;	195;	0;	15001
14;	257.1;	12-JAN-2005	02:54:11;	Dark	; 46.5;	20;	Bet Cru	; 1.25;	30000;occ;	93;	0;	15002
15;	363.0;	12-JAN-2005	02:55:57;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	15002
16;	511.0;	12-JAN-2005	02:58:25;	Dark	; 40.5;	124;	The Car	; 2.76;	30000;occ;	81;	0;	15002
17;	600.8;	12-JAN-2005	02:59:54;	Dark	; 47.0;	29;	Bet Car	; 1.67;	10200;occ;	94;	0;	15002
18;	710.1;	12-JAN-2005	03:01:44;	Dark	; 44.0;	71;	Iot Car	; 2.25;	7700;occ;	88;	0;	15002
19;	789.8;	12-JAN-2005	03:03:03;	Dark	; 54.0;	41;	Eps Car	; 1.86;	4100;occ;	108;	0;	15002
20;	1014.5;	12-JAN-2005	03:06:48;	Dark	; 47.0;	2;	Alp Car	; -0.74;	7000;occ;	94;	0;	15002
21;	1117.5;	12-JAN-2005	03:08:31;	Dark	; 47.0;	70;	Zet Pup	; 2.25;	39000;occ;	94;	0;	15002
22;	1222.2;	12-JAN-2005	03:10:16;	Dark	; 48.5;	117;	Pi Pup	; 2.71;	3800;occ;	97;	0;	15002
23;	1376.3;	12-JAN-2005	03:12:50;	Dark	; 49.0;	23;	21Eps CMa	; 1.50;	26000;occ;	98;	0;	15002
24;	1464.5;	12-JAN-2005	03:14:18;	Dark	; 43.0;	179;	240mi2CMa	; 3.03;	24000;occ;	86;	0;	15002
25;	1600.1;	12-JAN-2005	03:16:34;	Dark	; 48.0;	1;	9Alp CMa	; -1.44;	11000;occ;	96;	0;	15002
26;	1795.3;	12-JAN-2005	03:19:49;	Dark	; 43.0;	7;	19Bet Ori	; 0.10;	14000;occ;	86;	0;	15002
27;	1896.9;	12-JAN-2005	03:21:31;	Dark	; 43.0;	30;	46Eps Ori	; 1.69;	30000;occ;	86;	0;	15002
28;	2022.6;	12-JAN-2005	03:23:36;	Dark	; 62.0;	8;	10Alp CMi	; 0.40;	6500;occ;	124;	0;	15002
29;	2190.6;	12-JAN-2005	03:26:24;	Dark	; 44.0;	44;	24Gam Gem	; 1.93;	11000;occ;	88;	0;	15002
30;	2292.6;	12-JAN-2005	03:28:06;	Bright;	44.5;	151;	13Mu Gem	; 2.89;	3000;occ;	89;	0;	15002
31;	2396.8;	12-JAN-2005	03:29:50;	Bright;	39.5;	28;	12Bet Tau	; 1.65;	15200;occ;	79;	0;	15002
32;	2487.8;	12-JAN-2005	03:31:21;	Bright;	40.5;	114;	3Iot Aur	; 2.69;	4600;occ;	81;	0;	15002
33;	2672.5;	12-JAN-2005	03:34:26;	Bright;	37.5;	42;	34Bet Aur	; 1.90;	10200;occ;	75;	0;	15002
34;	2800.1;	12-JAN-2005	03:36:34;	Bright;	37.0;	175;	39Del Per	; 3.01;	19400;occ;	74;	0;	15002

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1;	-2365.4;	12-JAN-2005	05:31:40;	Bright;	41.5;	60;	7Bet UMi	; 2.08;	3950;occ;	83;	5;	15003
2;	-2206.9;	12-JAN-2005	05:34:19;	Bright;	51.5;	32;	77Eps UMa	; 1.76;	11000;occ;	103;	0;	15003
3;	-1965.7;	12-JAN-2005	05:38:20;	Bright;	35.5;	130;	23Bet Dra	; 2.80;	5800;occ;	71;	0;	15003
4;	-1783.9;	12-JAN-2005	05:41:22;	Bright;	36.5;	5;	3Alp Lyr	; 0.03;	11000;occ;	73;	0;	15003
5;	-1683.2;	12-JAN-2005	05:43:02;	Bright;	49.0;	180;	27Gam Boo	; 3.04;	8000;occ;	98;	0;	15003
6;	-1424.1;	12-JAN-2005	05:47:22;	Bright;	53.5;	83;		; 2.38;	11000;occ;	107;	0;	15003
7;	-1304.1;	12-JAN-2005	05:49:22;	Bright;	36.5;	59;	55Alp Oph	; 2.08;	8900;occ;	73;	0;	15003
8;	-1086.0;	12-JAN-2005	05:53:00;	Dark	; 80.0;	111;	8Eta Boo	; 2.68;	6000;occ;	160;	0;	15003
9;	-872.5;	12-JAN-2005	05:56:33;	Bright;	53.0;	98;	13Zet Oph	; 2.57;	30000;occ;	106;	0;	15003
10;	-751.2;	12-JAN-2005	05:58:34;	Dark	; 50.5;	104;	27Bet Lib	; 2.61;	13100;occ;	101;	0;	15003
11;	-606.2;	12-JAN-2005	06:00:59;	Dark	; 45.0;	16;	21Alp Sco	; 1.02;	3000;occ;	90;	0;	15003
12;	-297.5;	12-JAN-2005	06:06:08;	Dark	; 43.0;	131;	Gam Lup	; 2.80;	26000;occ;	86;	0;	15003
13;	-175.8;	12-JAN-2005	06:08:10;	Dark	; 93.0;	15;	67Alp Vir	; 0.98;	28000;occ;	186;	0;	15003
14;	261.1;	12-JAN-2005	06:15:27;	Dark	; 42.5;	20;	Bet Cru	; 1.25;	30000;occ;	85;	0;	15004
15;	364.7;	12-JAN-2005	06:17:10;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	15004
16;	512.9;	12-JAN-2005	06:19:39;	Dark	; 41.0;	124;	The Car	; 2.76;	30000;occ;	82;	0;	15004
17;	602.3;	12-JAN-2005	06:21:08;	Dark	; 39.0;	29;	Bet Car	; 1.67;	10200;occ;	78;	0;	15004
18;	711.8;	12-JAN-2005	06:22:57;	Dark	; 42.0;	71;	Iot Car	; 2.25;	7700;occ;	84;	0;	15004
19;	791.2;	12-JAN-2005	06:24:17;	Dark	; 50.0;	41;	Eps Car	; 1.86;	4100;occ;	100;	0;	15004
20;	1014.8;	12-JAN-2005	06:28:00;	Dark	; 43.5;	2;	Alp Car	; -0.74;	7000;occ;	87;	0;	15004
21;	1118.9;	12-JAN-2005	06:29:45;	Dark	; 45.5;	70;	Zet Pup	; 2.25;	39000;occ;	91;	0;	15004
22;	1223.8;	12-JAN-2005	06:31:29;	Dark	; 45.0;	117;	Pi Pup	; 2.71;	3800;occ;	90;	0;	15004
23;	1379.5;	12-JAN-2005	06:34:05;	Dark	; 48.0;	23;	21Eps CMa	; 1.50;	26000;occ;	96;	0;	15004
24;	1465.4;	12-JAN-2005	06:35:31;	Dark	; 42.5;	179;	240mi2CMa	; 3.03;	24000;occ;	85;	0;	15004
25;	1601.4;	12-JAN-2005	06:37:47;	Dark	; 47.0;	1;	9Alp CMa	; -1.44;	11000;occ;	94;	0;	15004
26;	1795.3;	12-JAN-2005	06:41:01;	Dark	; 52.0;	7;	19Bet Ori	; 0.10;	14000;occ;	104;	0;	15004
27;	1896.9;	12-JAN-2005	06:42:43;	Dark	; 41.5;	30;	46Eps Ori	; 1.69;	30000;occ;	83;	0;	15004
28;	2022.0;	12-JAN-2005	06:44:48;	Dark	; 62.5;	8;	10Alp CMi	; 0.40;	6500;occ;	125;	0;	15004
29;	2191.3;	12-JAN-2005	06:47:37;	Dark	; 46.5;	44;	24Gam Gem	; 1.93;	11000;occ;	93;	0;	15004
30;	2293.0;	12-JAN-2005	06:49:19;	Bright;	45.0;	151;	13Mu Gem	; 2.89;	3000;occ;	90;	0;	15004
31;	2398.1;	12-JAN-2005	06:51:04;	Bright;	39.0;	28;	12Bet Tau	; 1.65;	15200;occ;	78;	0;	15004
32;	2488.8;	12-JAN-2005	06:52:34;	Bright;	39.5;	114;	3Iot Aur	; 2.69;	4600;occ;	79;	0;	15004

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3;-1965.2; 12-JAN-2005 07:18:56; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;15004
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21; 2291.4; 12-JAN-2005 23:35:16; Bright; 45.0; 151; 13Mu Gem ; 2.89; 3000;occ; 90; 0;15014
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24; 2671.4; 12-JAN-2005 23:41:36; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;15014
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26; 3422.6; 12-JAN-2005 23:54:08; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;15014

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 32; 4615.4; 13-JAN-2005 00:14:01; Bright; 56.5; 83; ; 2.38; 11000;occ; 113; 0;15014
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 34; 4961.7; 13-JAN-2005 00:19:47; Dark ; 91.5; 111; 8Eta Boo ; 2.68; 6000;occ; 183; 0;15014
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 12;-2369.3; 12-JAN-2005 13:54:36; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;15008
 13;-2210.1; 12-JAN-2005 13:57:15; Bright; 52.0; 32; 77Eps UMA ; 1.76; 11000;occ; 104; 0;15008
 14;-1965.1; 12-JAN-2005 14:01:20; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;15008
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 26; 264.1; 12-JAN-2005 14:38:29; Dark ; 46.0; 20; Bet Cru ; 1.25; 30000;occ; 92; 0;15009
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 33; 1121.3; 12-JAN-2005 14:52:47; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;15009
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 17;-1683.0; 12-JAN-2005 15:46:38; Bright; 48.5; 180; 27Gam Boo ; 3.04; 8000;occ; 97; 0;15009
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38; 4628.1; 15-JAN-2005 22:39:23; Bright; 59.0; 83; ; 2.38; 11000;occ; 118; 0;15056
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33; 4263.7; 16-JAN-2005 00:13:54; Bright; 52.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 104; 0;15057
34; 4453.4; 16-JAN-2005 00:17:04; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;15057
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