

GOMOS Daily Report 04-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	08JAN2005 05:07:21

Data source version	GOMOS/4.02
Start time of products	QDS_TODAY(/START)-4D (04JAN2005 00:00:00)
Stop time of products	QDS_TODAY(/STOP)-4D (05JAN2005 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	1

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

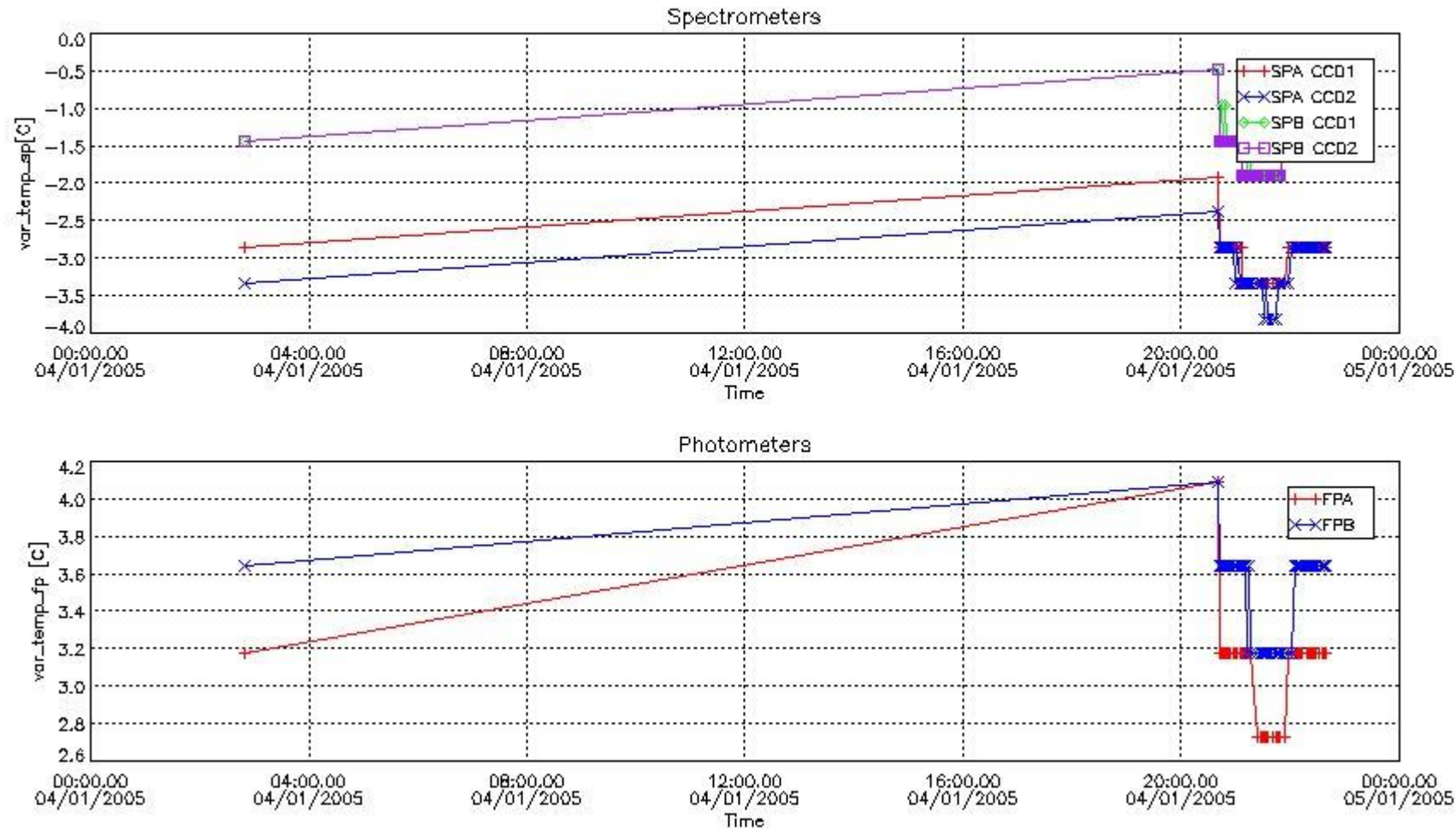
2.1 Level 0 products arrived in PCF (see template [here](#))

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_1PNPDE20050104_024913_000000392033_00304_14887_0024.N1	04-JAN-2005 02:49:13	Bright	38.500	160	23Gam Per	2.9300	4700.0	77	14887	No
2	GOM_TRA_1PNPDE20050104_204005_000000522033_00315_14898_0000.N1	04-JAN-2005 20:40:05	Dark	52.000	41	Eps Car	1.8600	4100.0	104	14898	Yes
3	GOM_TRA_1PNPDE20050104_204221_000000562033_00315_14898_0001.N1	04-JAN-2005 20:42:21	Dark	55.500	65	Lam Vel	2.2040	4400.0	111	14898	No
4	GOM_TRA_1PNPDE20050104_204408_000000522033_00315_14898_0002.N1	04-JAN-2005 20:44:08	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	14898	No
5	GOM_TRA_1PNPDE20050104_204531_000000472033_00315_14898_0003.N1	04-JAN-2005 20:45:31	Dark	46.500	70	Zet Pup	2.2460	39000.	93	14898	No
6	GOM_TRA_1PNPDE20050104_204728_000000462033_00315_14898_0004.N1	04-JAN-2005 20:47:28	Dark	46.000	117	Pi Pup	2.7060	3800.0	92	14898	No
7	GOM_TRA_1PNPDE20050104_205010_000000442033_00315_14898_0005.N1	04-JAN-2005 20:50:10	Dark	43.500	23	21Eps CMa	1.5020	26000.	87	14898	No
8	GOM_TRA_1PNPDE20050104_205141_000000412033_00315_14898_0006.N1	04-JAN-2005 20:51:41	Twilight	41.000	179	24Omi2CMa	3.0320	24000.	82	14898	No
9	GOM_TRA_1PNPDE20050104_205403_000000432033_00315_14898_0007.N1	04-JAN-2005 20:54:03	Twilight	43.000	1	9Alp CMa	-1.4400	11000.	86	14898	No
10	GOM_TRA_1PNPDE20050104_205713_000000462033_00315_14898_0008.N1	04-JAN-2005 20:57:13	Bright	45.500	7	19Bet Ori	0.10000	14000.	91	14898	No
11	GOM_TRA_1PNPDE20050104_205900_000000442033_00315_14898_0009.N1	04-JAN-2005 20:59:00	Bright	44.000	30	46Eps Ori	1.6940	30000.	88	14898	No
12	GOM_TRA_1PNPDE20050104_210125_000000542033_00315_14898_0010.N1	04-JAN-2005 21:01:25	Bright	54.000	14	58Alp Ori	0.87000	3000.0	108	14898	No
13	GOM_TRA_1PNPDE20050104_210426_000000512033_00315_14898_0011.N1	04-JAN-2005 21:04:26	Bright	51.000	44	24Gam Gem	1.9280	11000.	102	14898	No
14	GOM_TRA_1PNPDE20050104_210606_000000462033_00315_14898_0012.N1	04-JAN-2005 21:06:06	Bright	46.000	151	13Mu Gem	2.8900	3000.0	92	14898	No
15	GOM_TRA_1PNPDE20050104_210729_000000402033_00315_14898_0013.N1	04-JAN-2005 21:07:29	Bright	39.500	28	12Bet Tau	1.6500	15200.	79	14898	No
16	GOM_TRA_1PNPDE20050104_210850_000000392033_00315_14898_0014.N1	04-JAN-2005 21:08:50	Bright	39.000	114	31ot Aur	2.6930	4600.0	78	14898	No
17	GOM_TRA_1PNPDE20050104_211009_000000402033_00315_14898_0015.N1	04-JAN-2005 21:10:09	Bright	40.000	107	37The Aur	2.6490	11000.	80	14898	No
18	GOM_TRA_1PNPDE20050104_211224_000000402033_00315_14898_0016.N1	04-JAN-2005 21:12:24	Bright	40.000	6	13Alp Aur	0.080000	3400.0	80	14898	No
19	GOM_TRA_1PNPDE20050104_211433_000000382033_00315_14898_0017.N1	04-JAN-2005 21:14:33	Bright	37.500	35	33Alp Per	1.7950	6250.0	75	14898	No
20	GOM_TRA_1PNPDE20050104_211552_000000382033_00315_14898_0018.N1	04-JAN-2005 21:15:52	Bright	38.000	160	23Gam Per	2.9300	4700.0	76	14898	No
21	GOM_TRA_1PNPDE20050104_212438_000000382033_00315_14898_0019.N1	04-JAN-2005 21:24:38	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	14898	No
22	GOM_TRA_1PNPDE20050104_212651_000000492033_00315_14898_0020.N1	04-JAN-2005 21:26:51	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	14898	No
23	GOM_TRA_1PNPDE20050104_212859_000000352033_00315_14898_0021.N1	04-JAN-2005 21:28:59	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	14898	No
24	GOM_TRA_1PNPDE20050104_213052_000000582033_00315_14898_0022.N1	04-JAN-2005 21:30:52	Bright	57.500	87	64Gam UMa	2.4330	11000.	115	14898	No
25	GOM_TRA_1PNPDE20050104_213258_000000382033_00315_14898_0023.N1	04-JAN-2005 21:32:58	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	14898	No
26	GOM_TRA_1PNPDE20050104_213513_000000342033_00315_14898_0024.N1	04-JAN-2005 21:35:13	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	14898	No
27	GOM_TRA_1PNPDE20050104_214008_000000452033_00315_14898_0025.N1	04-JAN-2005 21:40:08	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	14898	No
28	GOM_TRA_1PNPDE20050104_214401_000000652033_00315_14898_0026.N1	04-JAN-2005 21:44:01	Bright	65.000	83		2.3780	11000.	130	14898	No
29	GOM_TRA_1PNPDE20050104_214612_000000352033_00315_14898_0027.N1	04-JAN-2005 21:46:12	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	14898	No
30	GOM_TRA_1PNPDE20050104_214835_000000632033_00315_14898_0028.N1	04-JAN-2005 21:48:35	Bright	63.000	111	8Eta Boo	2.6800	6000.0	126	14898	No
31	GOM_TRA_1PNPDE20050104_215438_000000432033_00315_14898_0000.N1	04-JAN-2005 21:54:38	Twilight	42.500	104	27Bet Lib	2.6140	13100.	85	14898	No
32	GOM_TRA_1PNPDE20050104_215705_000000442033_00315_14898_0001.N1	04-JAN-2005 21:57:05	Twilight	44.000	80	7Del Sco	2.3160	30000.	88	14898	No
33	GOM_TRA_1PNPDE20050104_220144_000000792033_00315_14898_0002.N1	04-JAN-2005 22:01:44	Dark	79.000	15	67Alp Vir	0.97600	28000.	158	14898	No
34	GOM_TRA_1PNPDE20050104_220527_000000422033_00315_14898_0003.N1	04-JAN-2005 22:05:27	Dark	41.500	78	Alp Lup	2.3040	28000.	83	14898	No
35	GOM_TRA_1PNPDE20050104_220706_000000422033_00315_14898_0004.N1	04-JAN-2005 22:07:06	Dark	41.500	95	Zet Cen	2.5450	26000.	83	14898	No
36	GOM_TRA_1PNPDE20050104_220829_000000532033_00316_14899_0005.N1	04-JAN-2005 22:08:29	Dark	53.000	4	Alp1Cen	-0.010000	5800.0	106	14899	No
37	GOM_TRA_1PNPDE20050104_221045_000000472033_00316_14899_0006.N1	04-JAN-2005 22:10:45	Dark	46.500	64	Gam Cen	2.2000	10600.	93	14899	No
38	GOM_TRA_1PNPDE20050104_221231_000000442033_00316_14899_0007.N1	04-JAN-2005 22:12:31	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	14899	No
39	GOM_TRA_1PNPDE20050104_221738_000000412033_00316_14899_0008.N1	04-JAN-2005 22:17:38	Dark	41.000	29	Bet Car	1.6720	10200.	82	14899	No
40	GOM_TRA_1PNPDE20050104_221911_000000442033_00316_14899_0009.N1	04-JAN-2005 22:19:11	Dark	43.500	71	1ot Car	2.2460	7700.0	87	14899	No
41	GOM_TRA_1PNPDE20050104_222041_000000482033_00316_14899_0010.N1	04-JAN-2005 22:20:41	Dark	47.500	41	Eps Car	1.8600	4100.0	95	14899	No
42	GOM_TRA_1PNPDE20050104_222256_000000582033_00316_14899_0011.N1	04-JAN-2005 22:22:56	Dark	57.500	65	Lam Vel	2.2040	4400.0	115	14899	No
43	GOM_TRA_1PNPDE20050104_222444_000000522033_00316_14899_0012.N1	04-JAN-2005 22:24:44	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	14899	No
44	GOM_TRA_1PNPDE20050104_222606_000000452033_00316_14899_0013.N1	04-JAN-2005 22:26:06	Dark	44.500	70	Zet Pup	2.2460	39000.	89	14899	No
45	GOM_TRA_1PNPDE20050104_222803_000000492033_00316_14899_0014.N1	04-JAN-2005 22:28:03	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	14899	No
46	GOM_TRA_1PNPDE20050104_223044_000000502033_00316_14899_0015.N1	04-JAN-2005 22:30:44	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	14899	No

47	GOM_TRA_1PNPDE20050104_223216_000000452033_00316_14899_0016.N1	04-JAN-2005 22:32:16	Twilight	44.500	179	24Omi2CMa	3.0320	24000.	89	14899	No
48	GOM_TRA_1PNPDE20050104_223437_000000442033_00316_14899_0017.N1	04-JAN-2005 22:34:37	Twilight	44.000	1	9Alp CMa	-1.4400	11000.	88	14899	No
49	GOM_TRA_1PNPDE20050104_223749_000000462033_00316_14899_0018.N1	04-JAN-2005 22:37:49	Bright	46.000	7	19Bet Ori	0.10000	14000.	92	14899	No
50	GOM_TRA_1PNPDE20050104_223936_000000412033_00316_14899_0019.N1	04-JAN-2005 22:39:36	Bright	41.000	30	46Eps Ori	1.6940	30000.	82	14899	No

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



4. Overview of dark signal processing per product

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

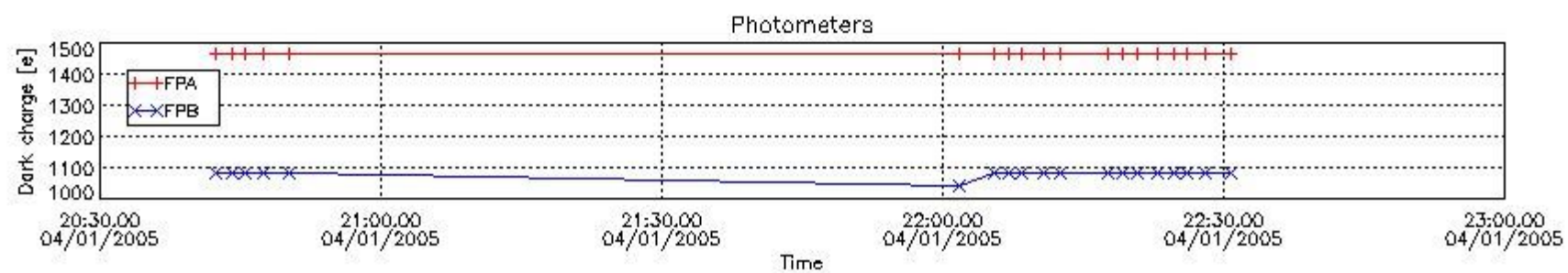
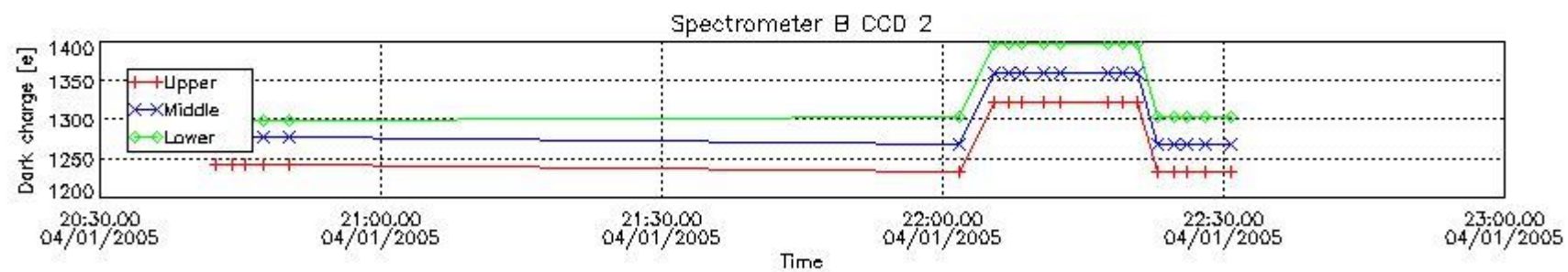
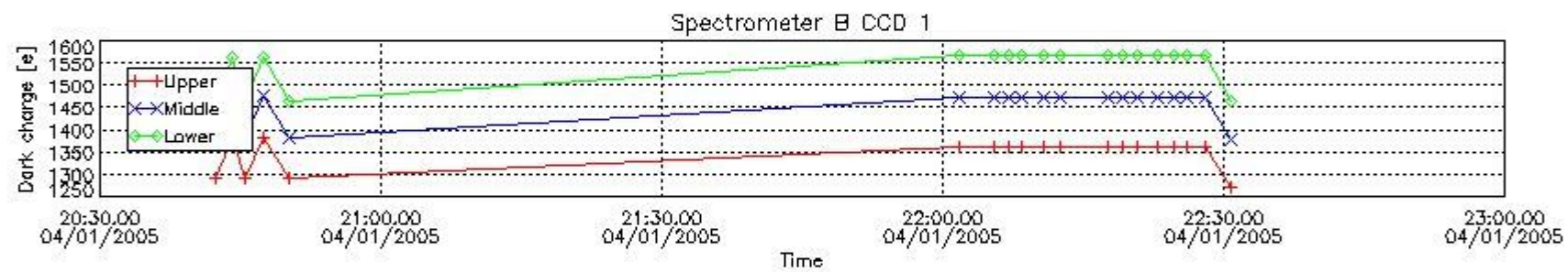
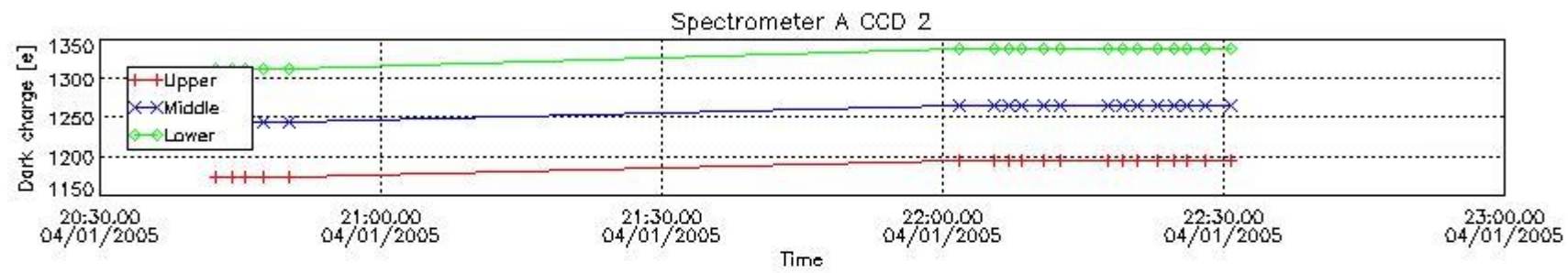
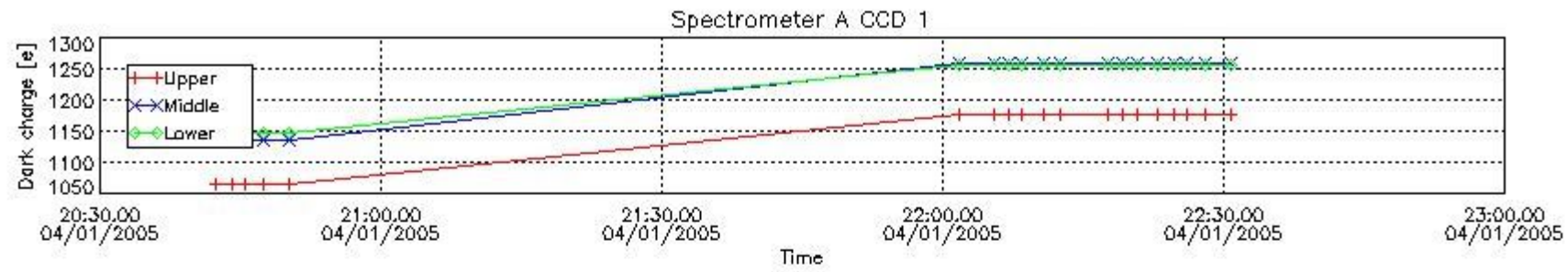
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20050104_204005_000000522033_00315_14898_0000.N1	DC map with no T dep. (12)
GOM_TRA_1PNPDE20050104_204221_000000562033_00315_14898_0001.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_204408_000000522033_00315_14898_0002.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_204531_000000472033_00315_14898_0003.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_204728_000000462033_00315_14898_0004.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_205010_000000442033_00315_14898_0005.N1	DC map used (0)

GOM_TRA_1PNPDE20050104_205141_000000412033_00315_14898_0006.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_205403_000000432033_00315_14898_0007.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_205713_000000462033_00315_14898_0008.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_205900_000000442033_00315_14898_0009.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_210125_000000542033_00315_14898_0010.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_210426_000000512033_00315_14898_0011.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_210606_000000462033_00315_14898_0012.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_210729_000000402033_00315_14898_0013.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_210850_000000392033_00315_14898_0014.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_211009_000000402033_00315_14898_0015.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_211224_000000402033_00315_14898_0016.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_211433_000000382033_00315_14898_0017.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_211552_000000382033_00315_14898_0018.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_212438_000000382033_00315_14898_0019.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_212651_000000492033_00315_14898_0020.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_212859_000000352033_00315_14898_0021.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_213052_000000582033_00315_14898_0022.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_213258_000000382033_00315_14898_0023.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_213513_000000342033_00315_14898_0024.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_214008_000000452033_00315_14898_0025.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_214401_000000652033_00315_14898_0026.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_214612_000000352033_00315_14898_0027.N1	DC map used (0)
GOM_TRA_1PNPDE20050104_214835_000000632033_00315_14898_0028.N1	DC map used (0)

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



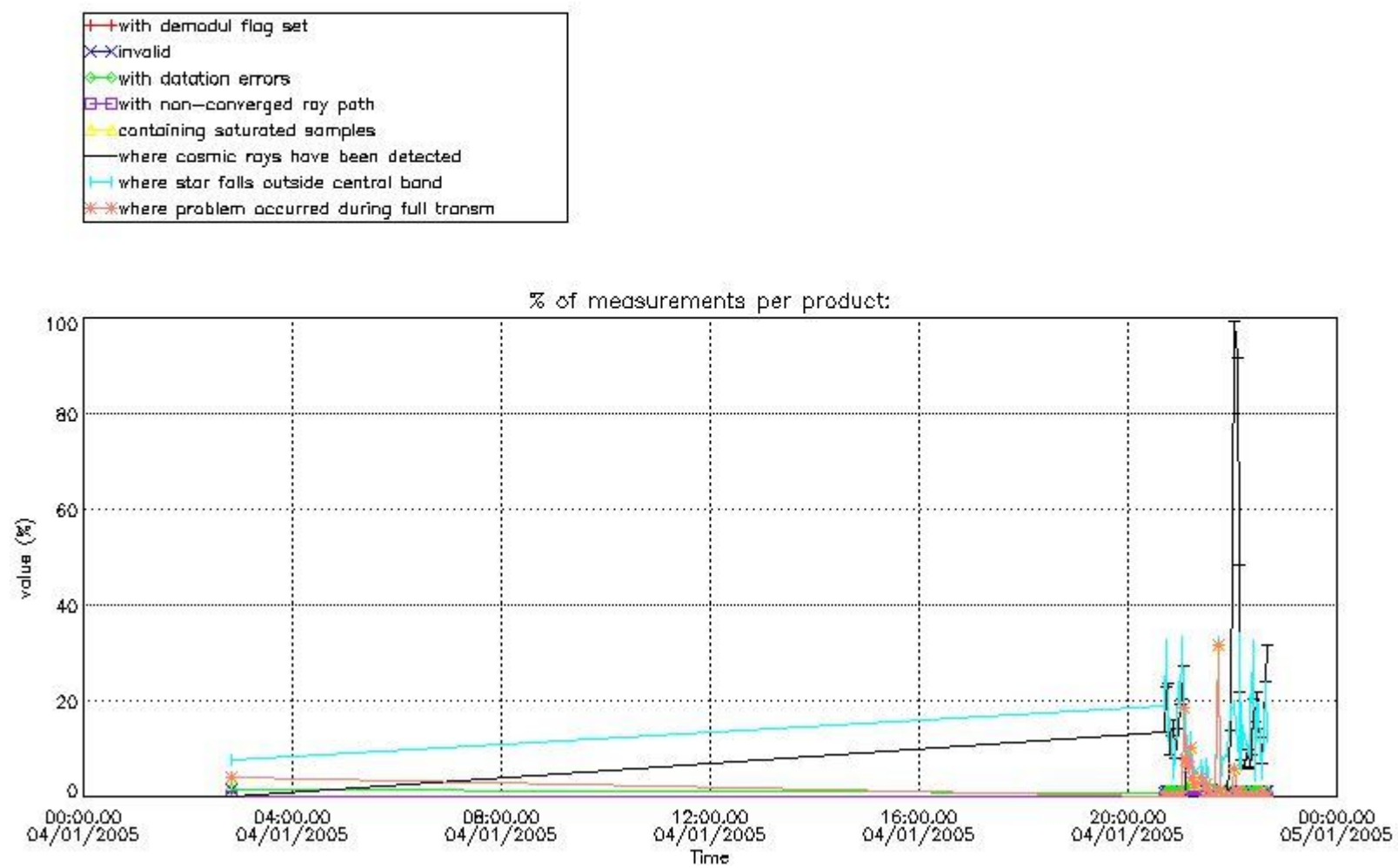
5. Demodulation flag and quality information monitoring

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.

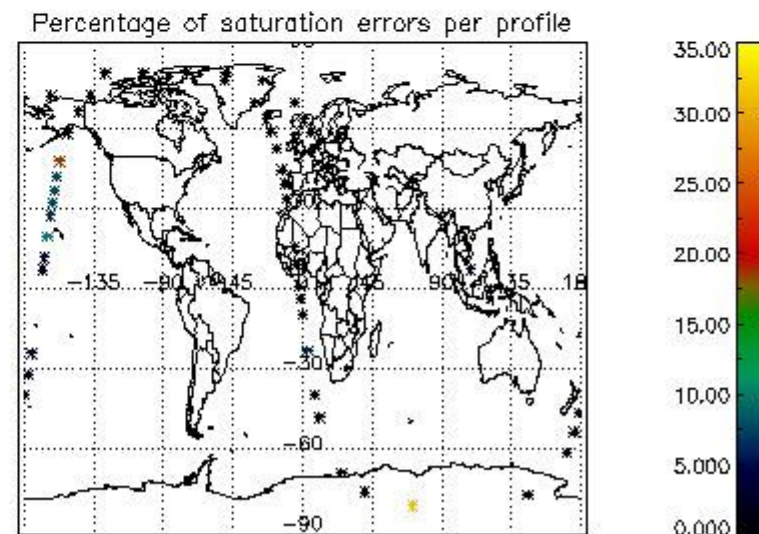
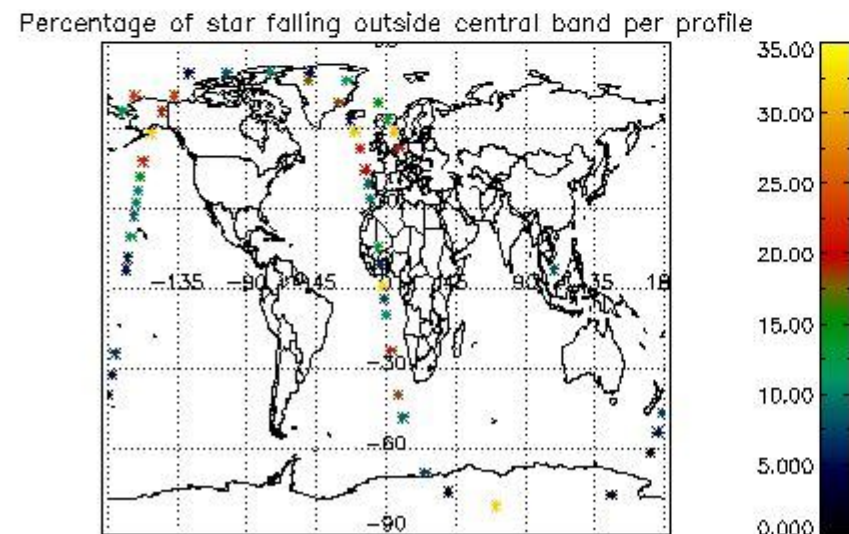
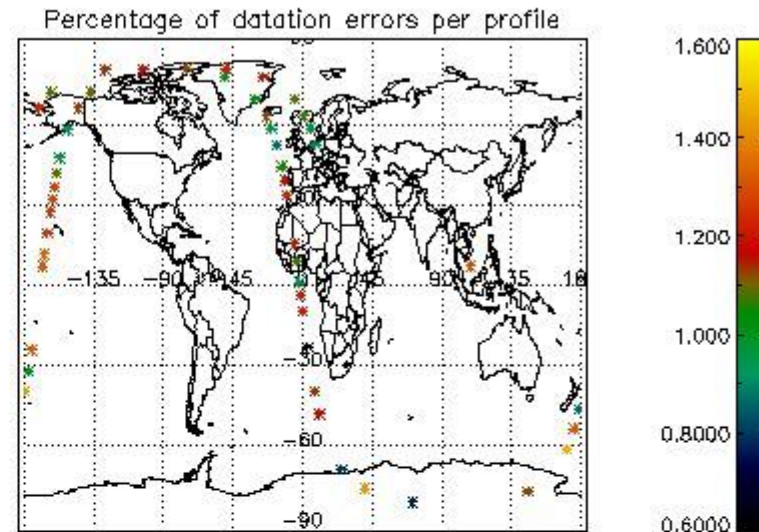
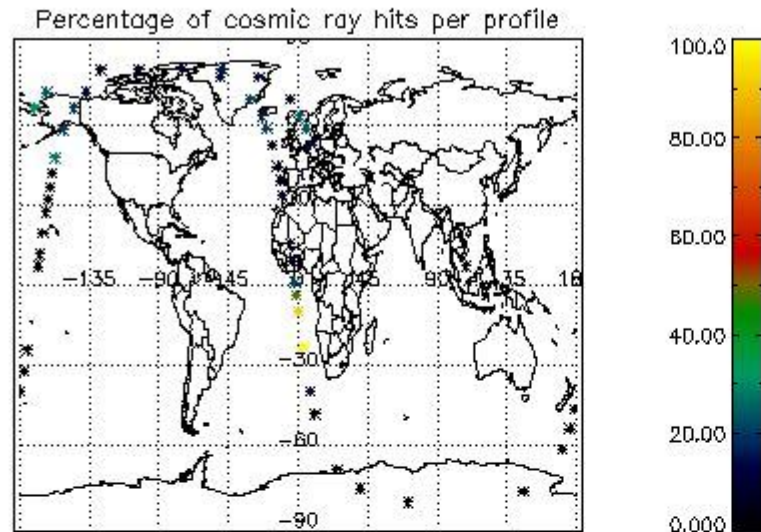
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	12.2449 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



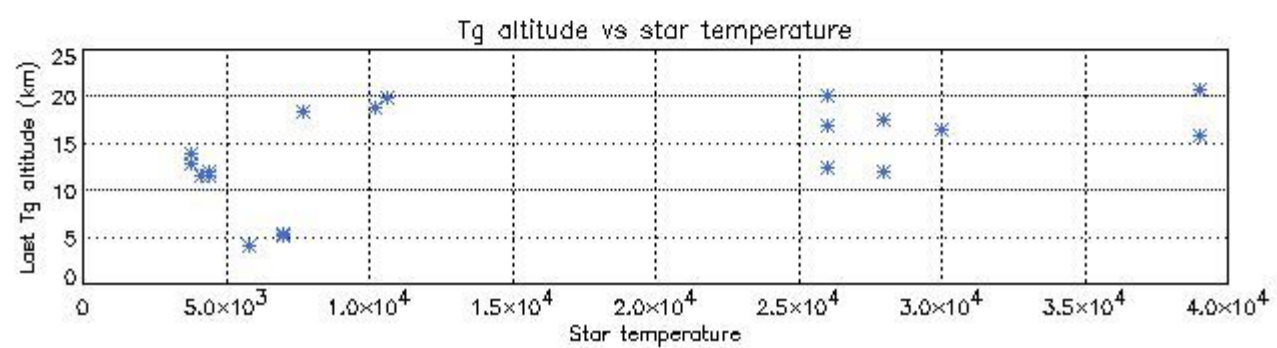
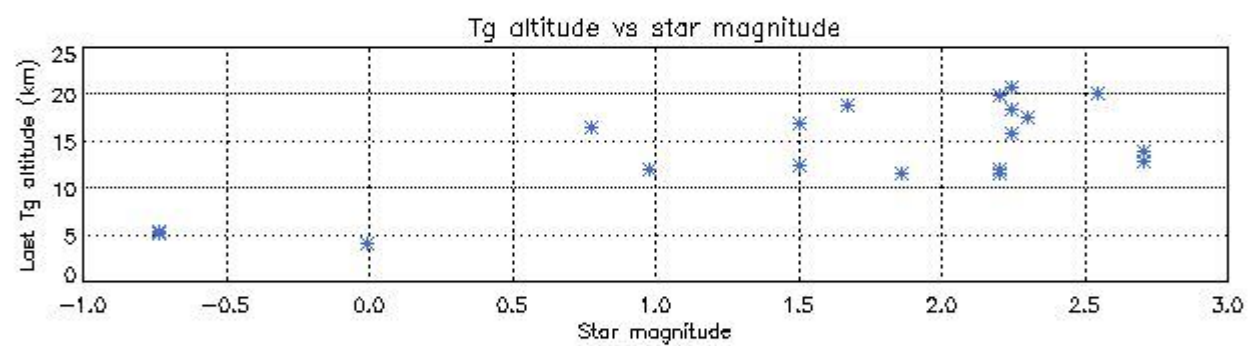
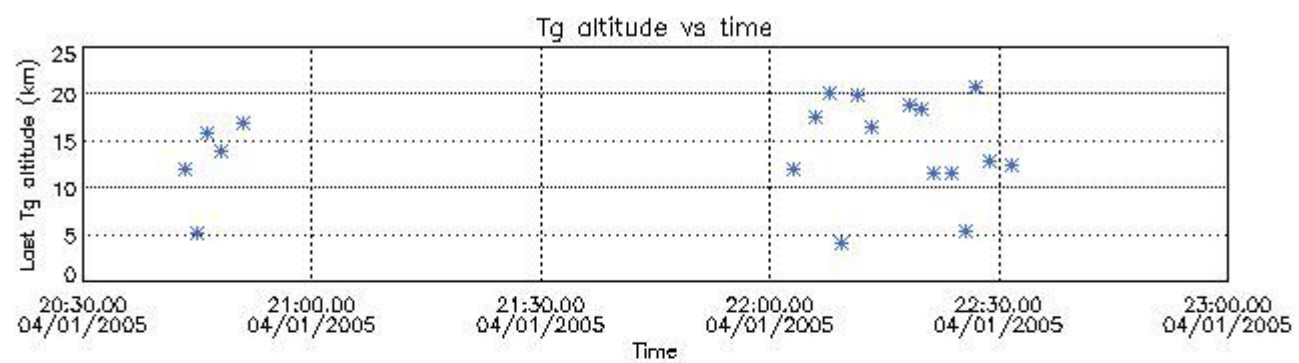
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.957	17.637	17.842
St. deviation:	5.0950	6.4030	3.4498
Maximum:	20.785	29.639	21.756
Minimum:	4.0822	5.0271	11.645
Number of data:	19.000	24.000	6.0000

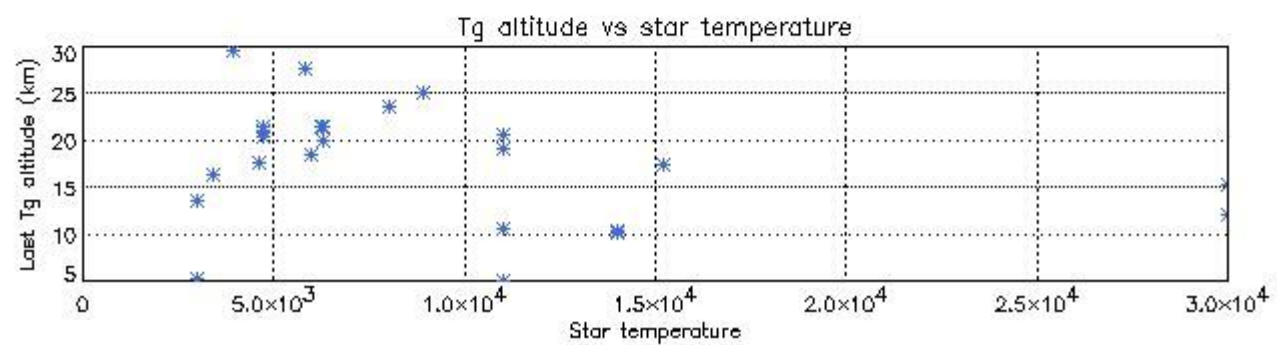
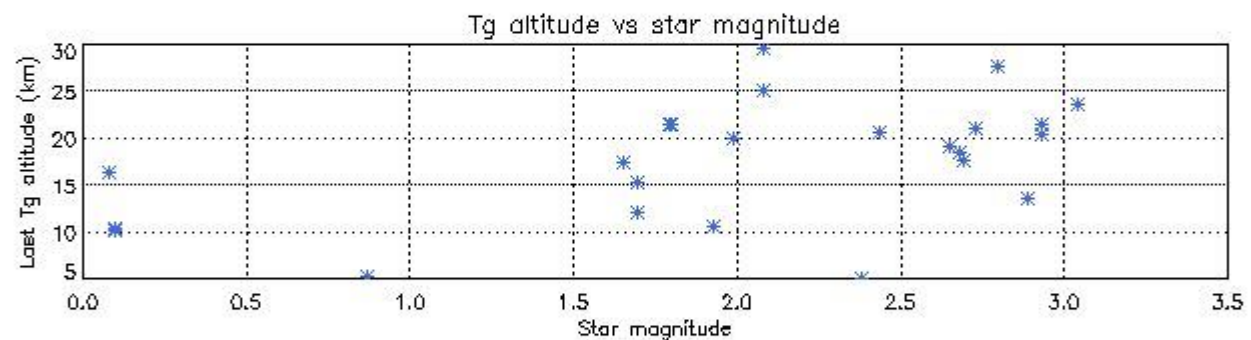
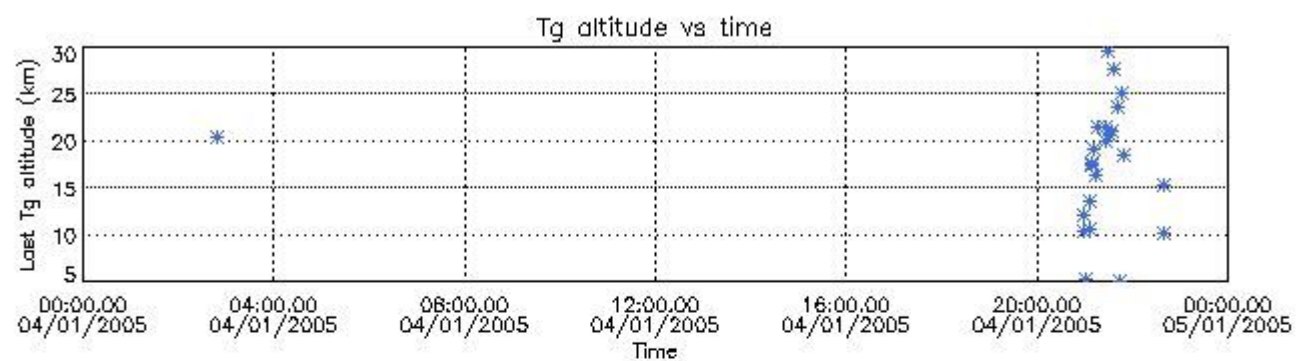
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



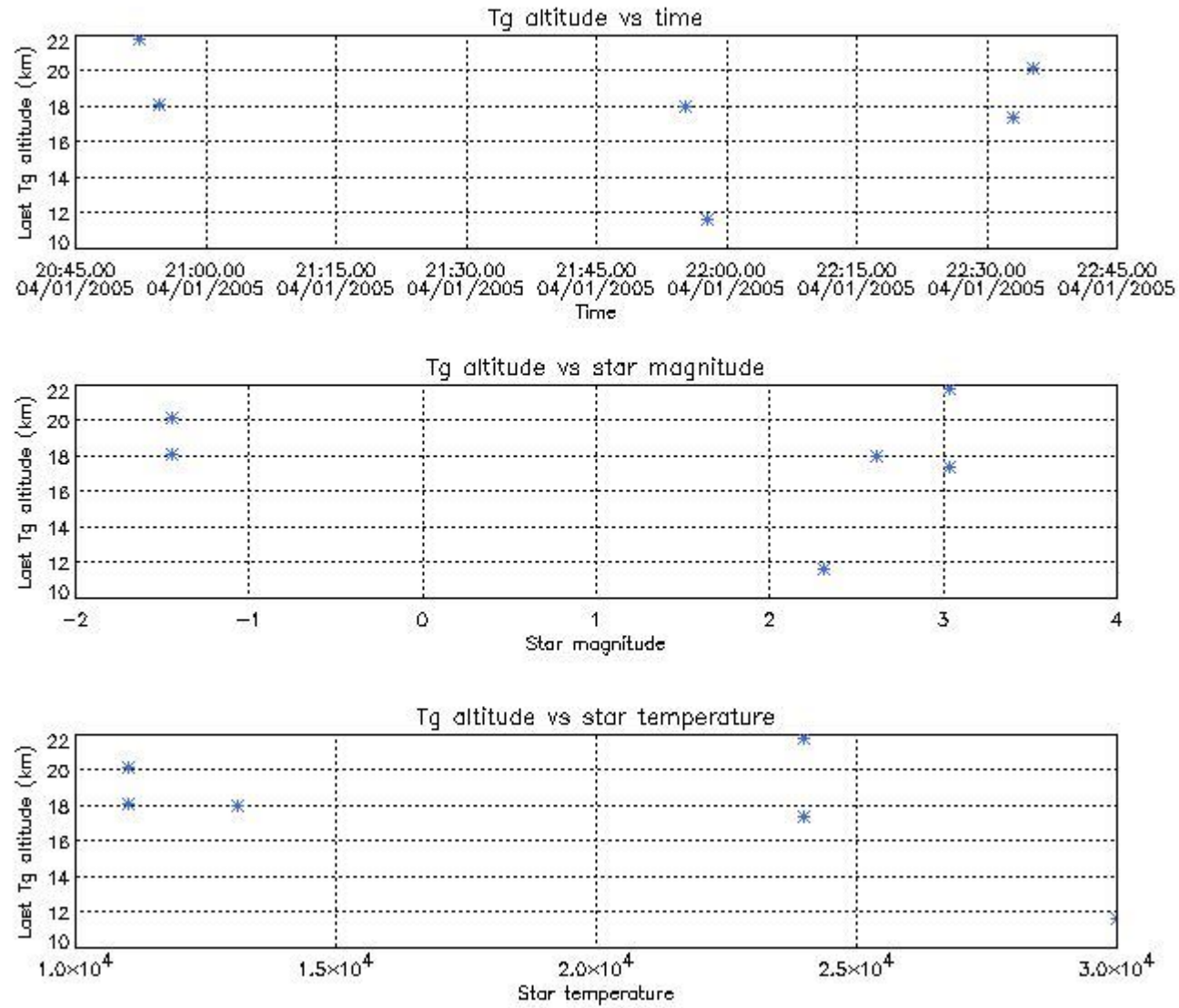
6.3 Plot for BRIGHT limb products

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

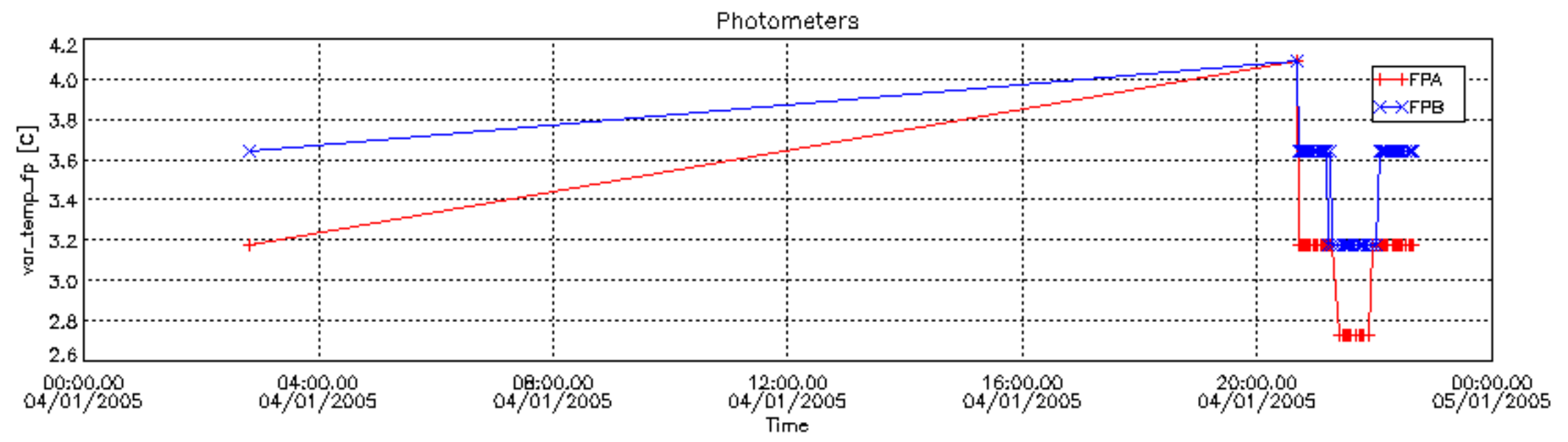
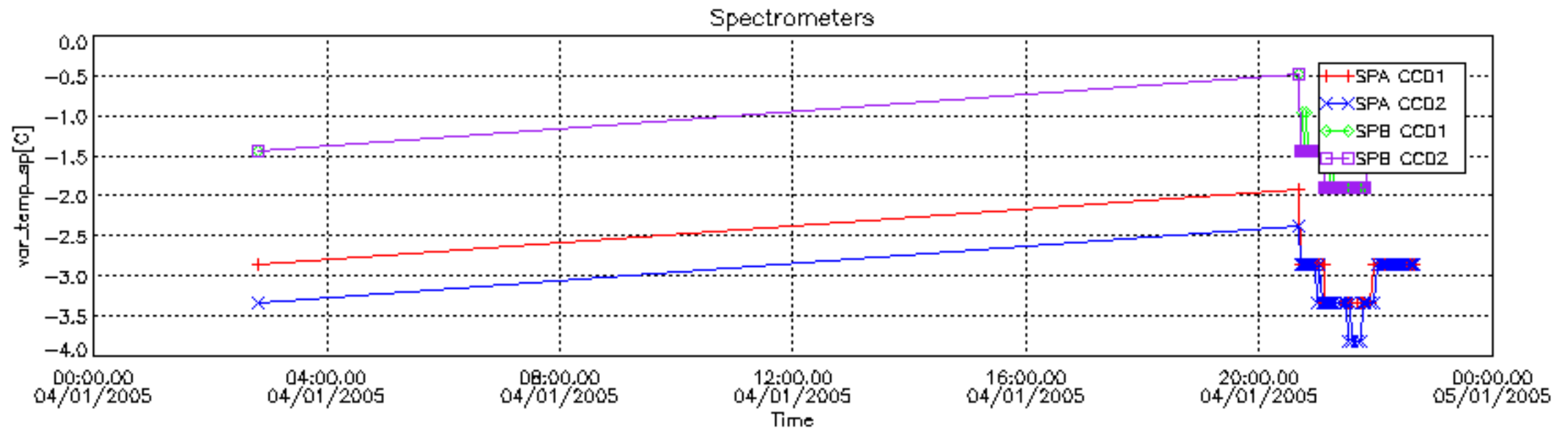
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: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

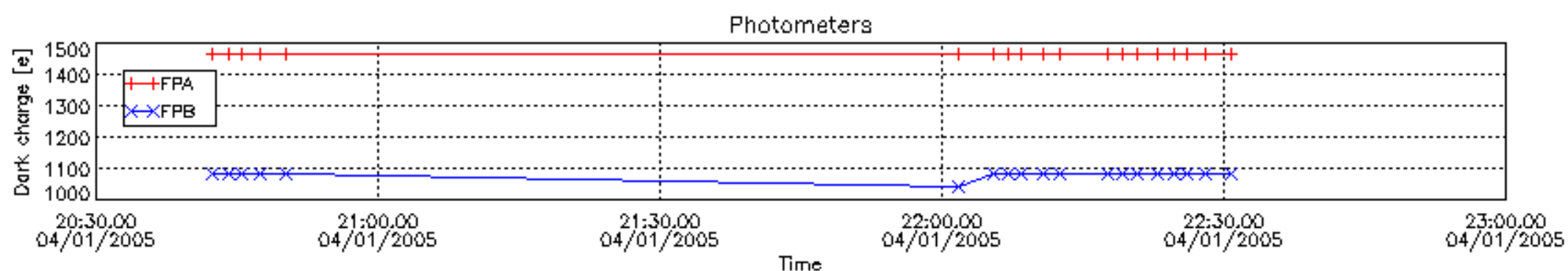
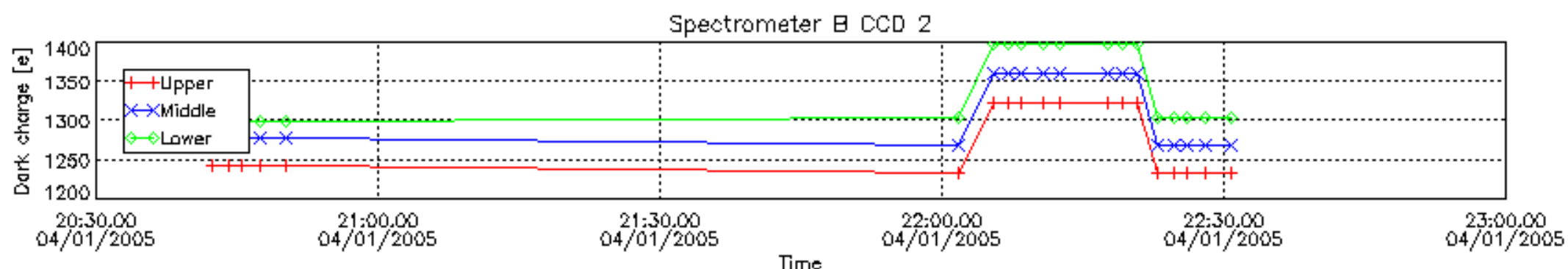
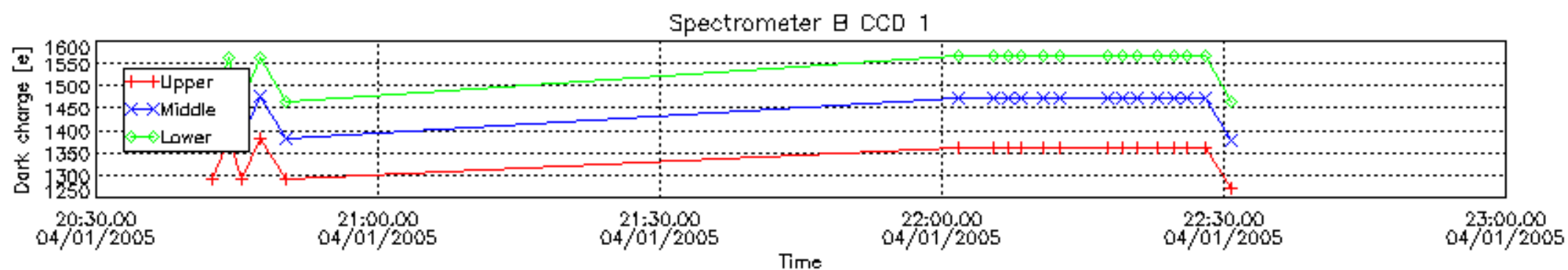
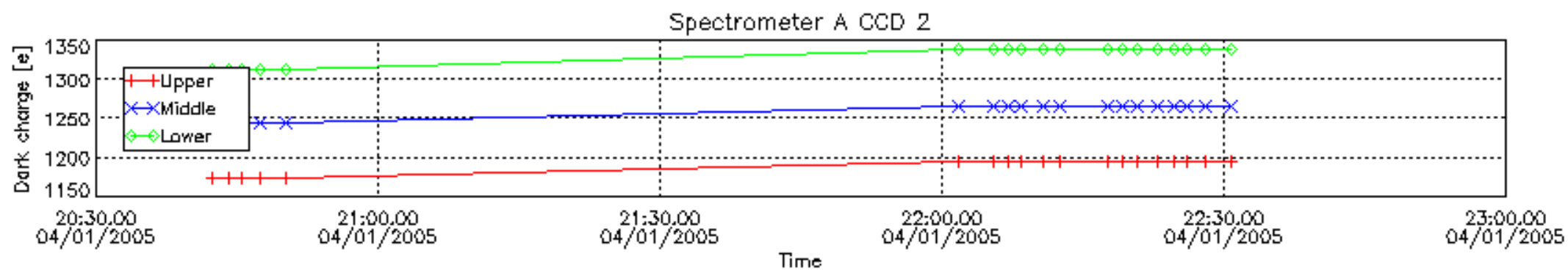
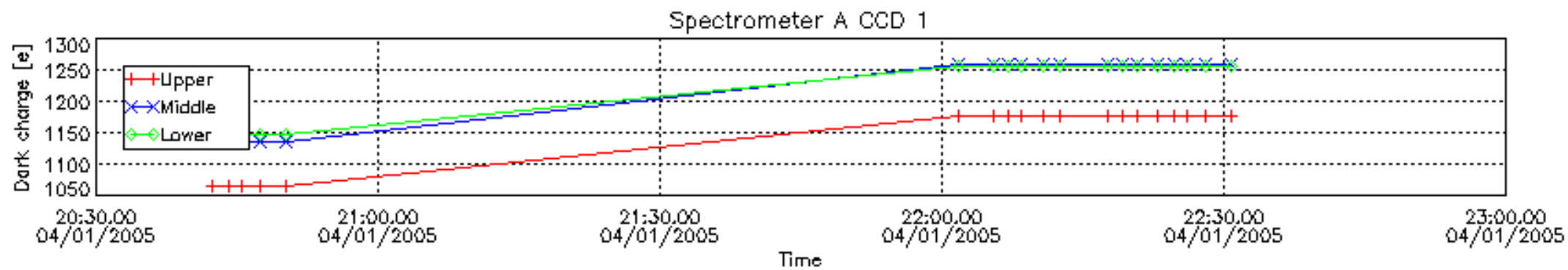
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1462.0	1446.9	1460.9	1446.9
St. deviation:	4.1625	6.7733	5.8849	8.1803
Maximum:	1495.0	1506.0	1511.0	1503.0
Minimum:	1450.0	1428.0	1444.0	1427.0
Number of data:	23000.	23000.	25800.	25800.

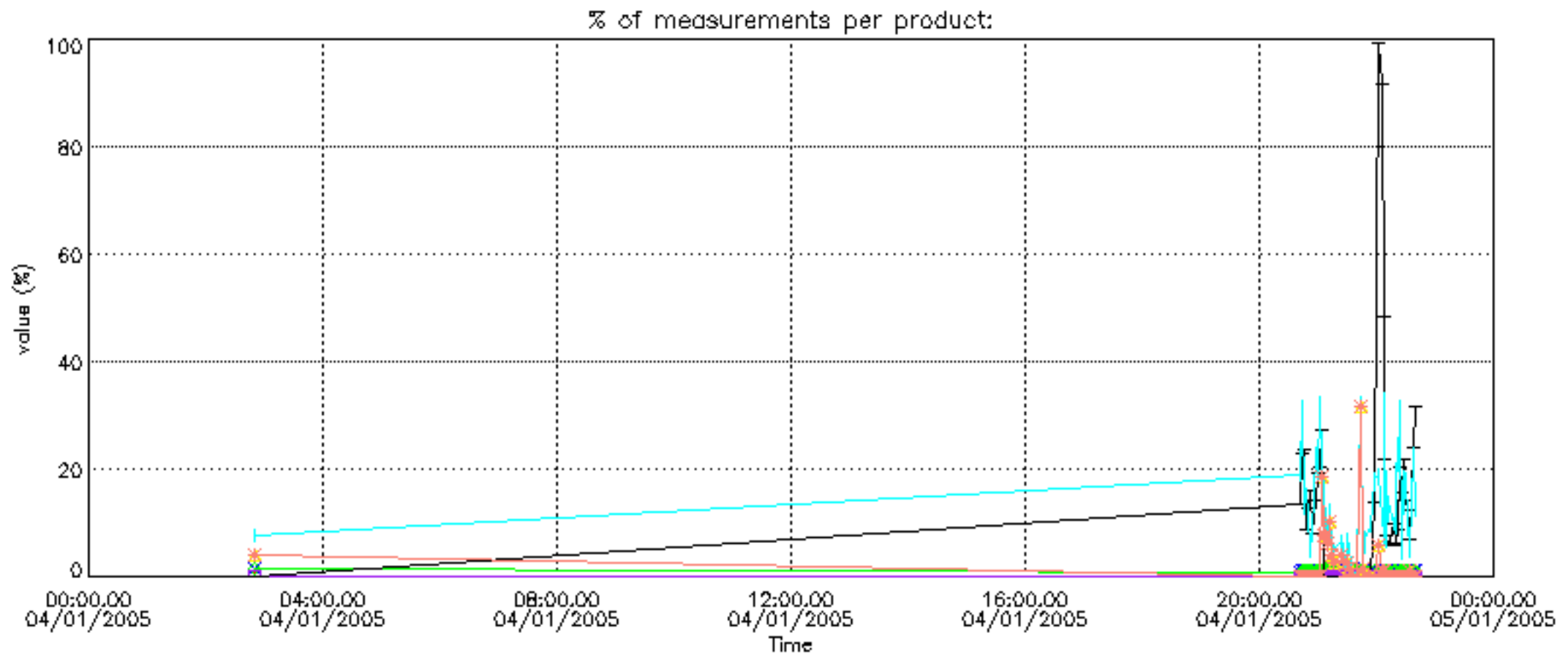
8. Auxiliary Data Files used for the production reported in section 2.2

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.

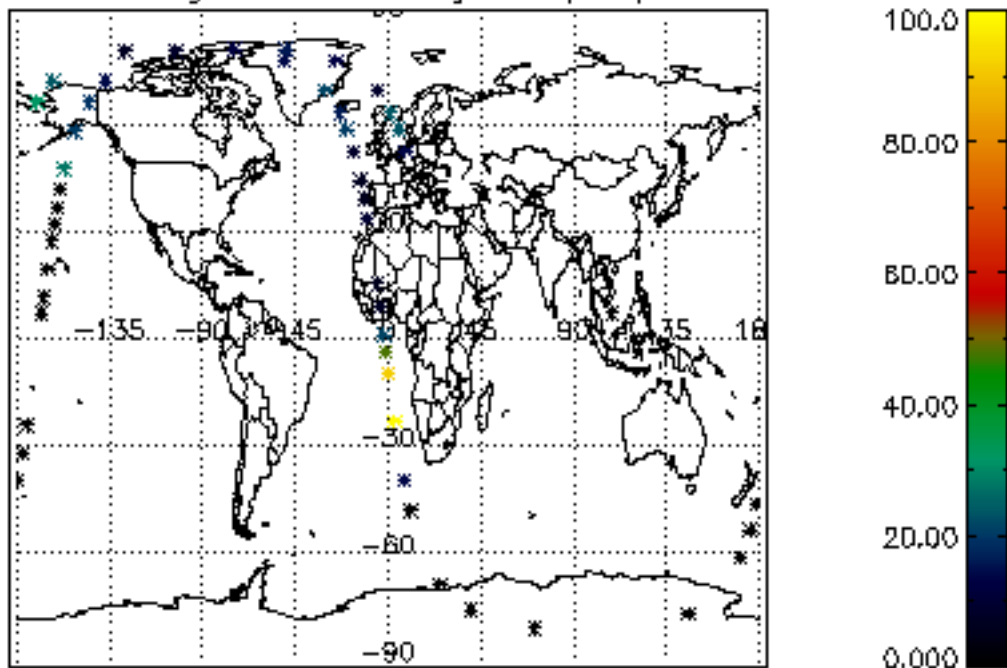
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20030716_105425_20030716_120000_20100101_000000	1	04-JAN-2005 02:49:13
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20041217_142407_20041216_000000_20100101_000000	1	04-JAN-2005 02:49:13
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20040401_083133_20020324_200000_20100101_000000	1	04-JAN-2005 02:49:13
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-JAN-2005 02:49:13
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20020121_165822_20020101_000000_20200101_000000	1	04-JAN-2005 02:49:13
ECMWF_FILE	AUX_ECF_AXNECM20050103_060854_20050103_210000_20050104_090000	1	04-JAN-2005 02:49:13
ECMWF_FILE	AUX_ECA_AXNECM20050105_064936_20050104_150000_20050105_030000	2	04-JAN-2005 20:40:05
ECMWF_FILE	AUX_ECF_AXNECM20050104_060929_20050104_210000_20050105_090000	31	04-JAN-2005 21:54:38
OPTIONAL_ECMWF_FILE	NOT USED	1	04-JAN-2005 02:49:13
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20050103_222915_20050103_191837_20050113_204448	1	04-JAN-2005 02:49:13
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20050104_233927_20050104_184700_20050114_201311	2	04-JAN-2005 20:40:05



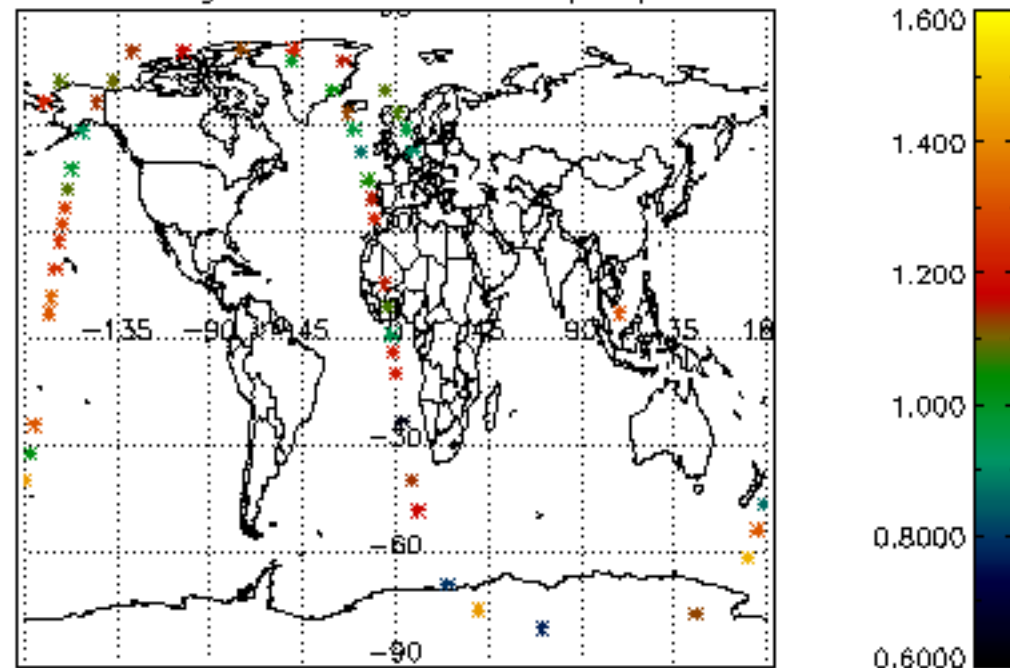




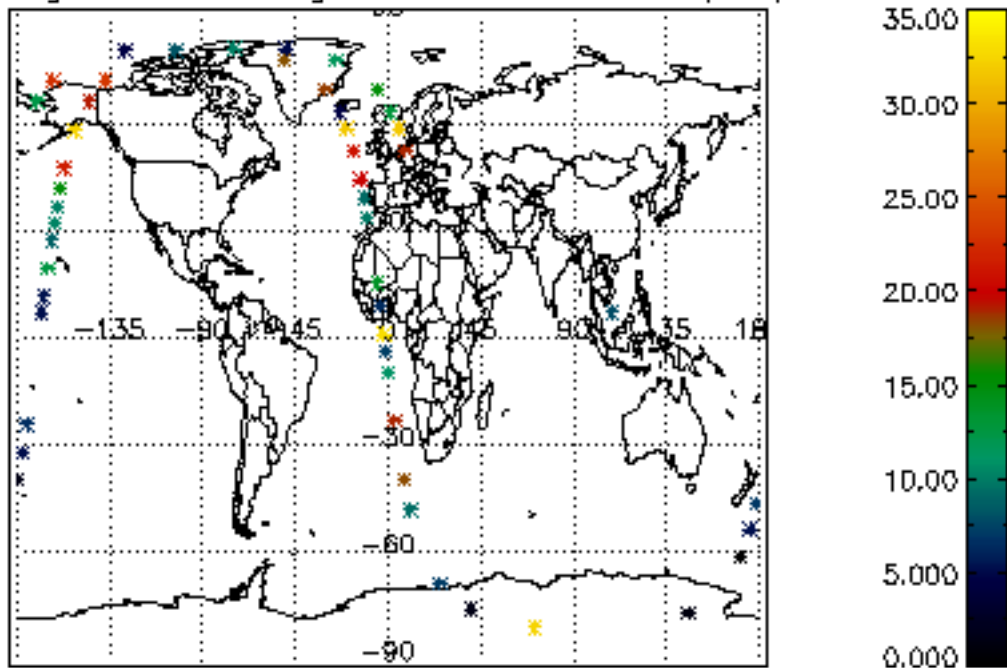
Percentage of cosmic ray hits per profile



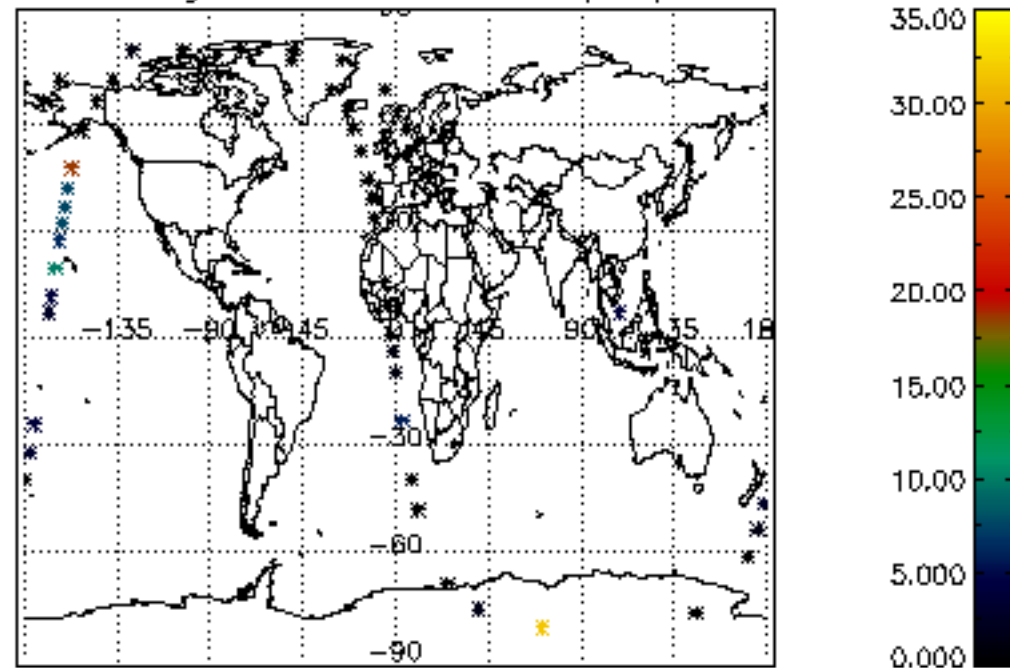
Percentage of datation errors per profile



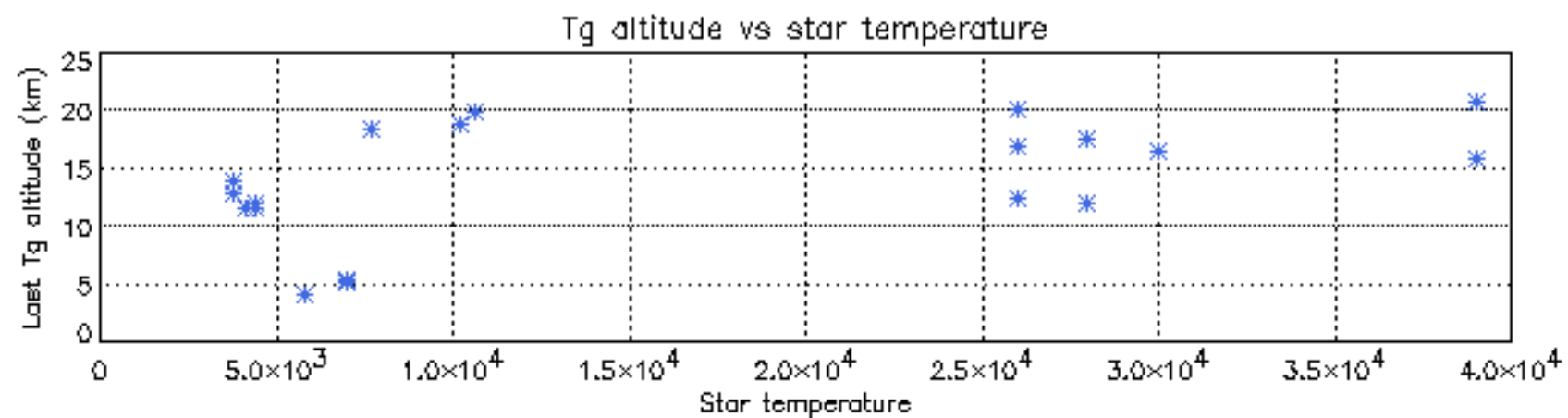
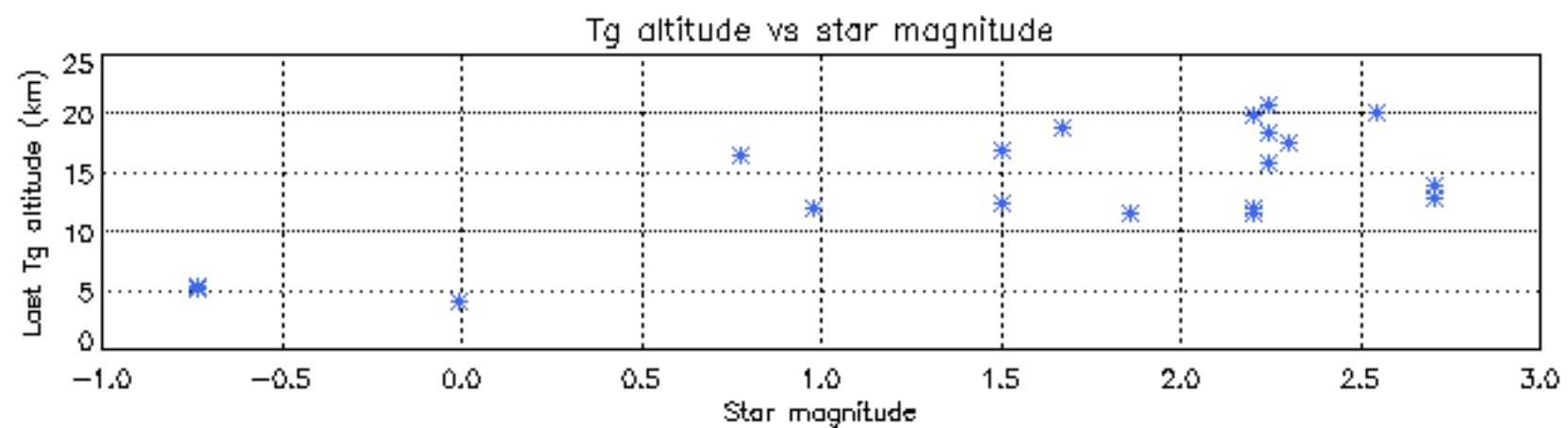
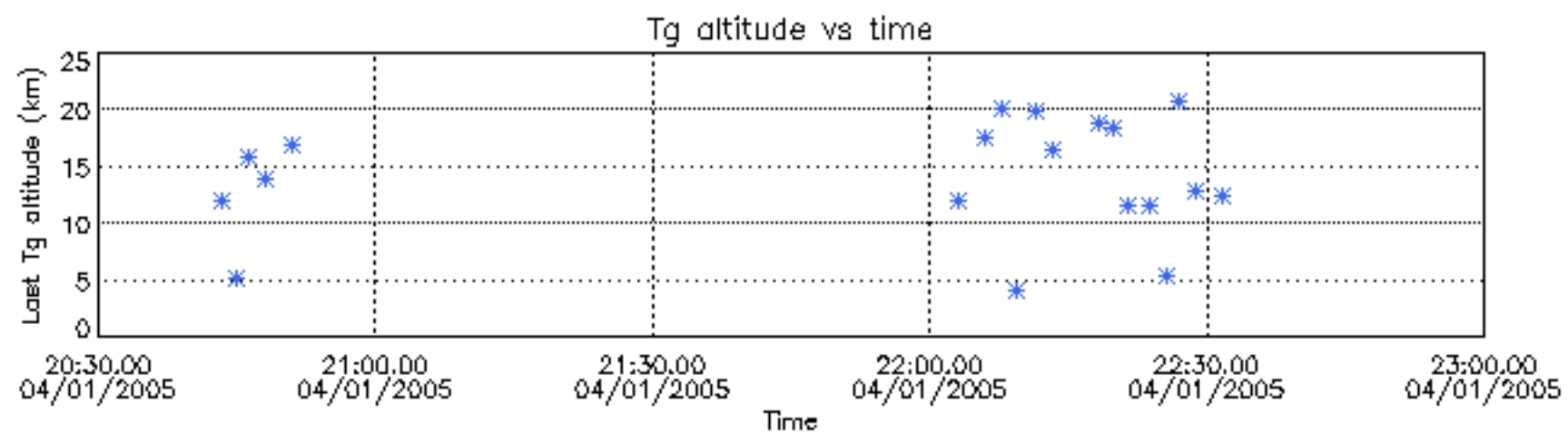
Percentage of star falling outside central band per profile



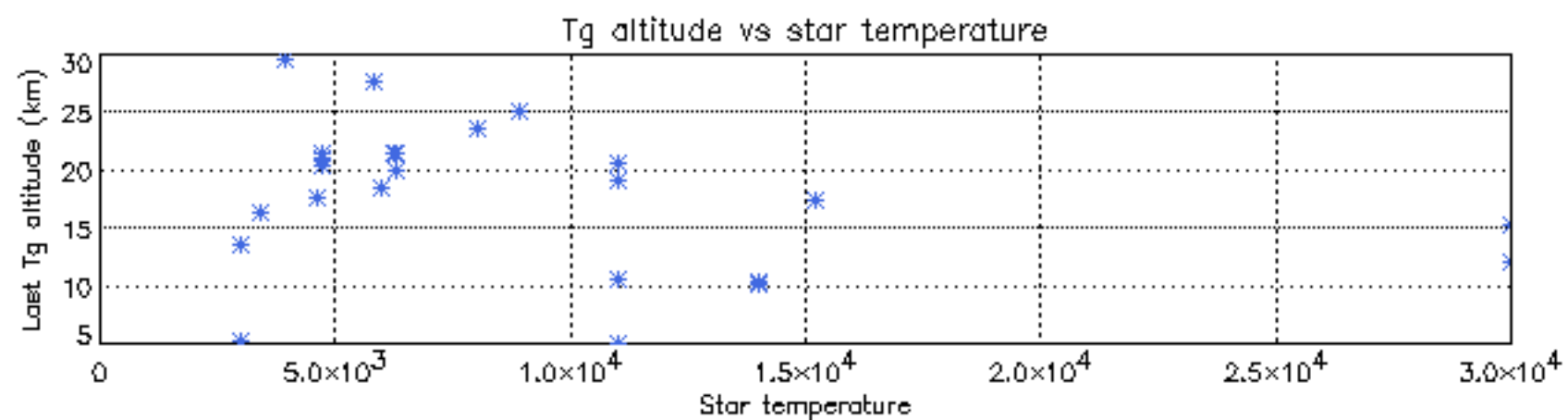
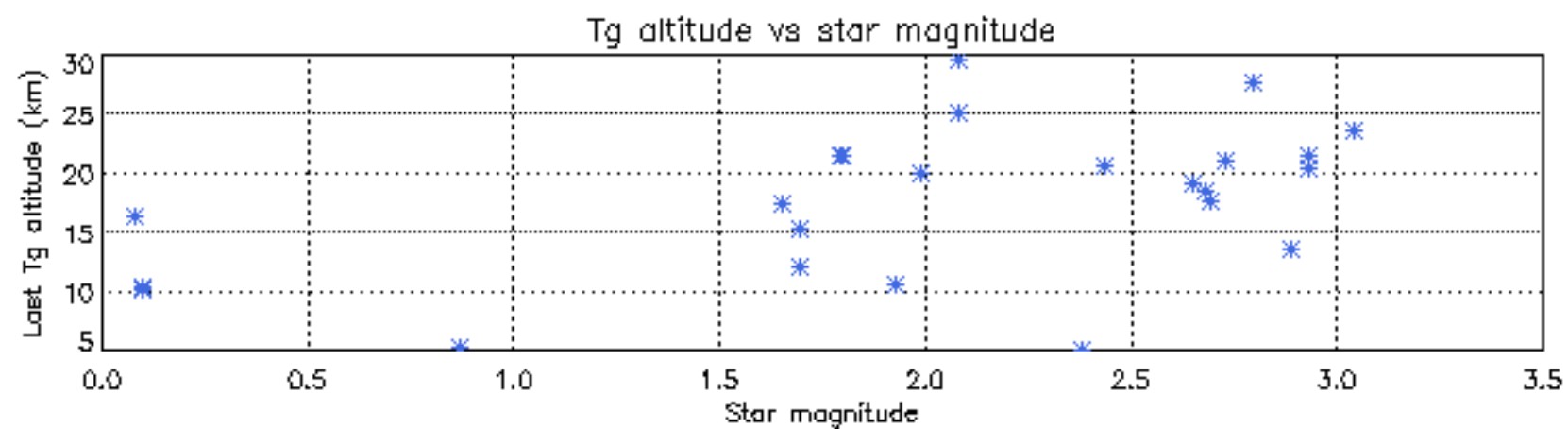
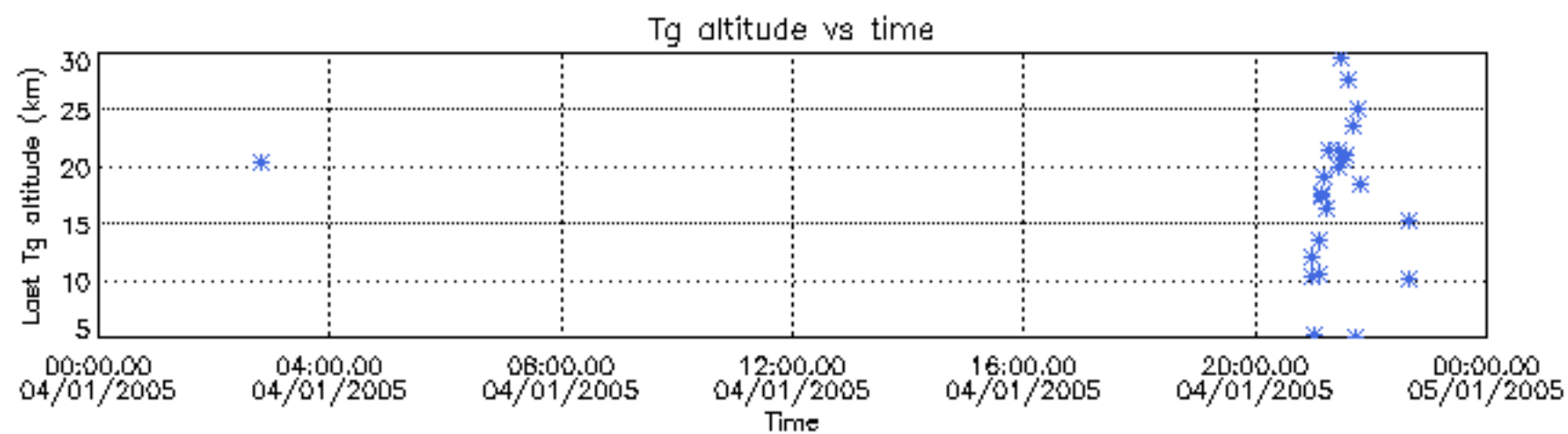
Percentage of saturation errors per profile



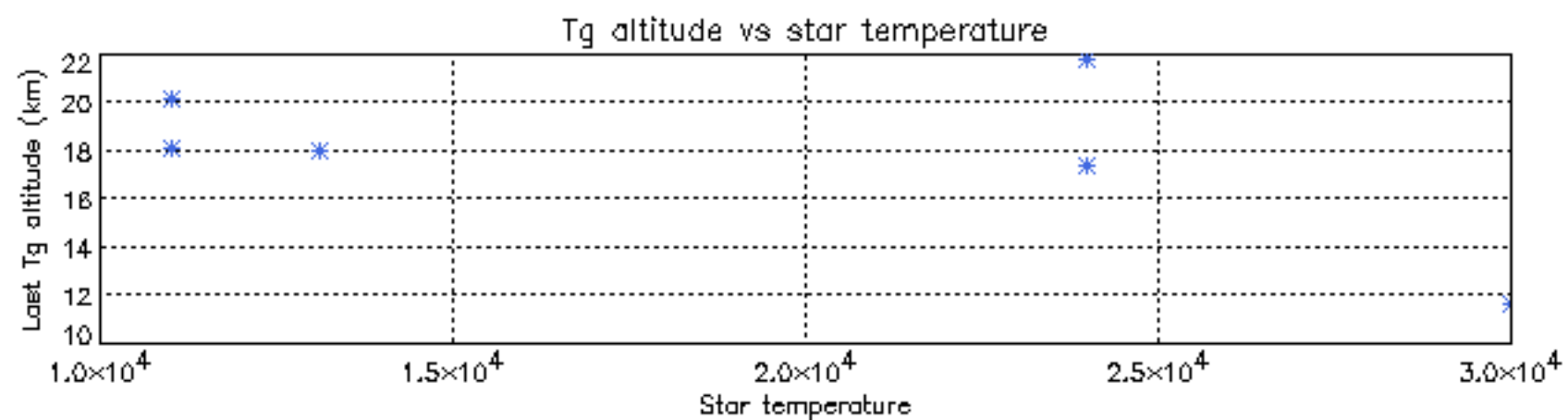
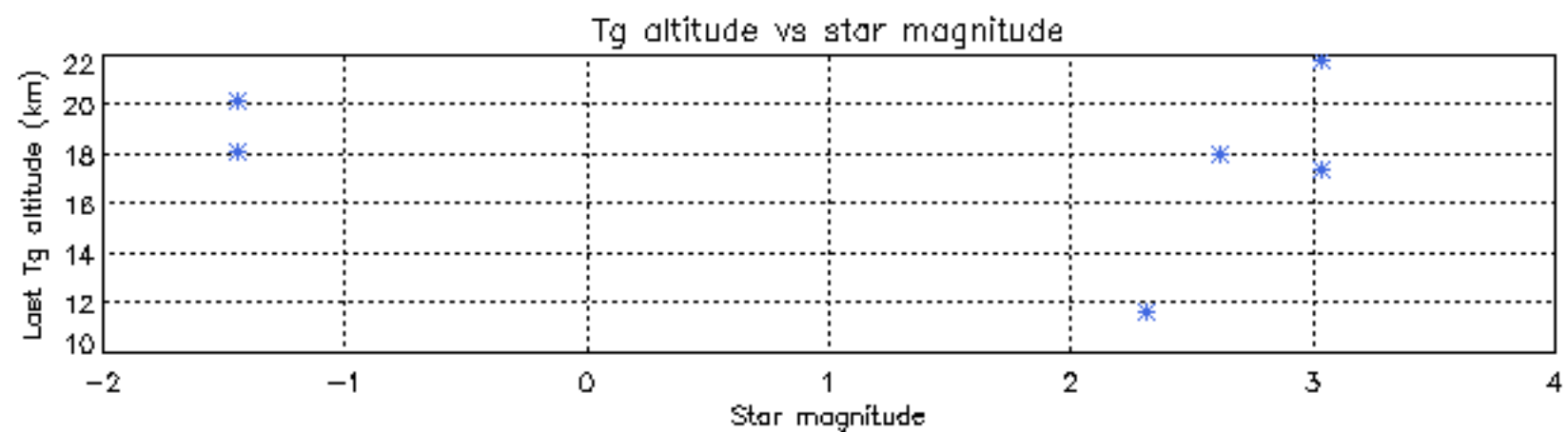
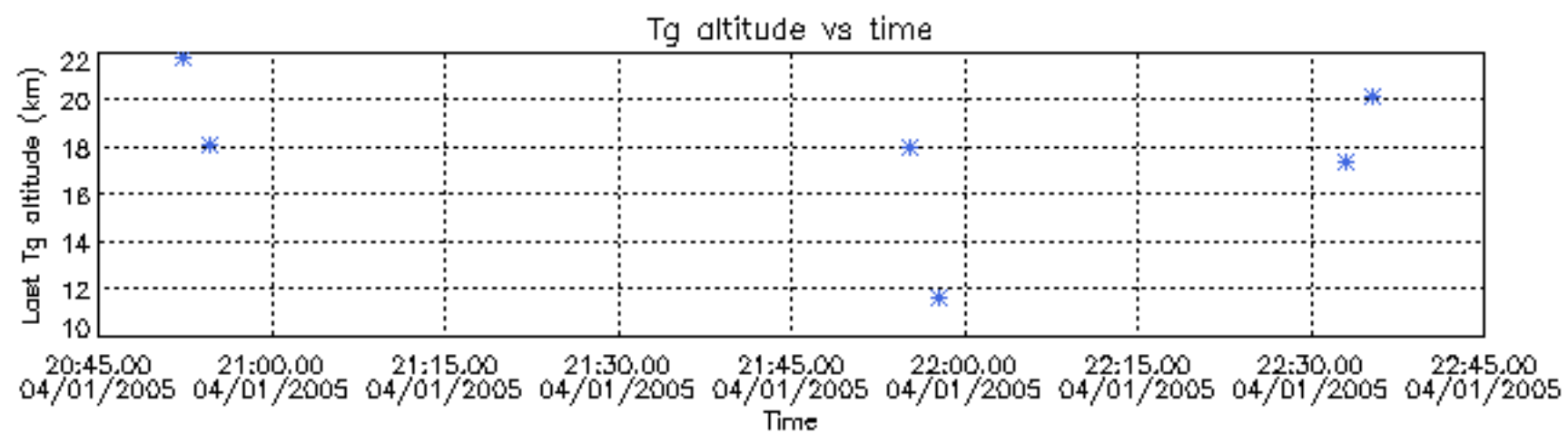
Tangent altitude at which the star is lost



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

/nas1/ENVISAT/GOMOS/from_DDS/GOM_NL__0PNPDE20050101_025508_000060852033_00261_14844_1598.N1

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
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7;	-1458.8;	02-JAN-2005	02:39:56;	Bright;	45.0;	83;		;	2.38;	11000;occ;	90;	0;	14858	
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12;	643.7;	03-JAN-2005	01:02:46;	Dark	;	46.0;	71;	Iot Car	;	2.25;	7700;occ;	92;	0;	14872
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27;	2687.7;	03-JAN-2005	01:36:50;	Bright;	;	43.5;	6;	13Alp Aur	;	0.08;	3400;occ;	87;	0;	14872
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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
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3;	-1965.5;	12-JAN-2005	02:17:08;	Bright;	36.5;	130;	23Bet Dra	; 2.80;	5800;occ;	73;	0;	15001
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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
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18;	710.1;	12-JAN-2005	03:01:44;	Dark	; 44.0;	71;	Iot Car	; 2.25;	7700;occ;	88;	0;	15002
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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
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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
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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
25; 2804.7; 12-JAN-2005 23:43:50; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;15014
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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 27; 369.4; 12-JAN-2005 14:40:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;15009
 28; 515.2; 12-JAN-2005 14:42:40; Dark ; 41.0; 124; The Car ; 2.76; 30000;occ; 82; 0;15009
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