

GOMOS Daily Report 06-AUG-2004

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	10AUG2004 05:06:46
Data source version	GOMOS/4.02
Start time of products	QDS_TODAY(/START)-4D (06AUG2004 00:00:00)
Stop time of products	QDS_TODAY(/STOP)-4D (07AUG2004 00:00:00)

Store outputs flag	1
Nb of level 1b prods	50
Nb of prods with errors	0

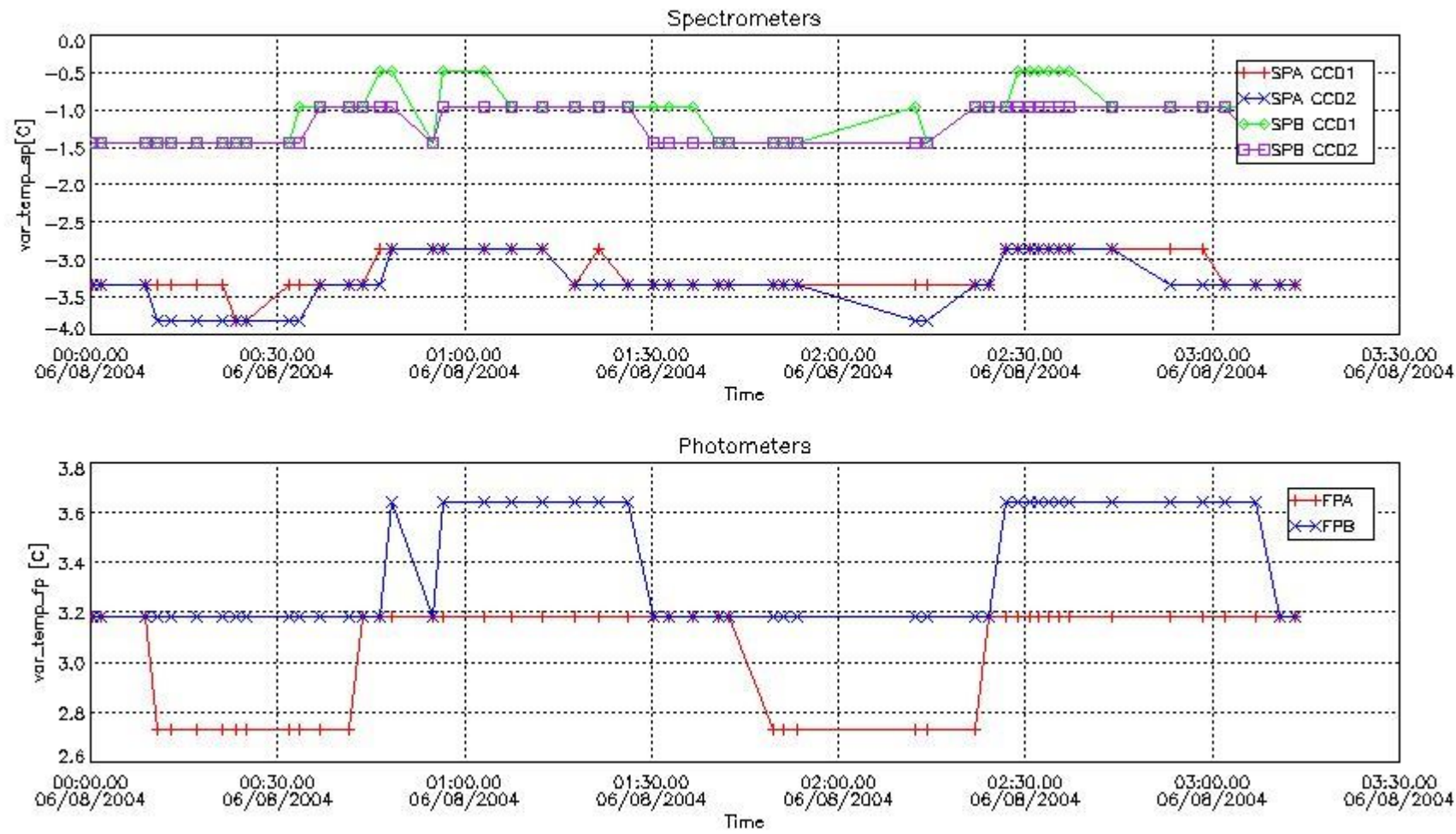
2. Summary of products arrived in PCF (Product Control Facility)

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

2.2 Summary of processed GOM_TRA_1P products

Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
GOM_TRA_1PNPDE20040806_000012_000000382029_00145_12724_0014.N1	06-AUG-2004 00:00:12	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	12724	No
GOM_TRA_1PNPDE20040806_000146_000000362029_00145_12724_0015.N1	06-AUG-2004 00:01:46	Bright	36.000	168	17Zet Aql	2.9860	11000.	72	12724	No
GOM_TRA_1PNPDE20040806_000852_000000372029_00145_12724_0016.N1	06-AUG-2004 00:08:52	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	12724	No
GOM_TRA_1PNPDE20040806_001037_000000372029_00145_12724_0017.N1	06-AUG-2004 00:10:37	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	12724	No
GOM_TRA_1PNPDE20040806_001247_000000402029_00145_12724_0018.N1	06-AUG-2004 00:12:47	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	12724	No
GOM_TRA_1PNPDE20040806_001655_000000412029_00145_12724_0019.N1	06-AUG-2004 00:16:55	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	12724	No
GOM_TRA_1PNPDE20040806_002102_000000352029_00145_12724_0020.N1	06-AUG-2004 00:21:02	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	12724	No
GOM_TRA_1PNPDE20040806_002315_000000352029_00145_12724_0021.N1	06-AUG-2004 00:23:15	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	12724	No
GOM_TRA_1PNPDE20040806_002458_000000512029_00145_12724_0022.N1	06-AUG-2004 00:24:58	Bright	51.000	76	27Gam Cas	2.3000	30000.	102	12724	No
GOM_TRA_1PNPDE20040806_003145_000000522029_00145_12724_0023.N1	06-AUG-2004 00:31:45	Bright	51.500	160	23Gam Per	2.9300	4700.0	103	12724	No
GOM_TRA_1PNPDE20040806_003331_000000522029_00145_12724_0024.N1	06-AUG-2004 00:33:31	Bright	52.000	35	33Alp Per	1.7950	6250.0	104	12724	No
GOM_TRA_1PNPDE20040806_003654_000000662029_00145_12724_0025.N1	06-AUG-2004 00:36:54	Twilight	65.500	79	26Bet Per	2.3100	13100.	131	12724	No
GOM_TRA_1PNPDE20040806_004123_000000462029_00145_12724_0026.N1	06-AUG-2004 00:41:23	Twilight	46.000	28	12Bet Tau	1.6500	15200.	92	12724	No
GOM_TRA_1PNPDE20040806_004332_000000432029_00145_12724_0027.N1	06-AUG-2004 00:43:32	Twilight	43.000	176	23Zet Tau	3.0200	22000.	86	12724	No
GOM_TRA_1PNPDE20040806_004616_000000622029_00145_12724_0028.N1	06-AUG-2004 00:46:16	Twilight	61.500	13	87Alp Tau	0.86700	3800.0	123	12724	No
GOM_TRA_1PNPDE20040806_004813_000000452029_00145_12724_0029.N1	06-AUG-2004 00:48:13	Twilight	45.000	27	24Gam Ori	1.6360	26000.	90	12724	No
GOM_TRA_1PNPDE20040806_005450_000000452029_00145_12724_0000.N1	06-AUG-2004 00:54:50	Dark	45.000	101	11Alp Lep	2.5820	7000.0	90	12724	No
GOM_TRA_1PNPDE20040806_005625_000000432029_00145_12724_0001.N1	06-AUG-2004 00:56:25	Dark	42.500	23	21Eps CMa	1.5020	26000.	85	12724	No
GOM_TRA_1PNPDE20040806_010311_000000442029_00145_12724_0002.N1	06-AUG-2004 01:03:11	Dark	44.000	2	Alp Car	-0.73600	7000.0	88	12724	No
GOM_TRA_1PNPDE20040806_010723_000000522029_00146_12725_0003.N1	06-AUG-2004 01:07:23	Dark	51.500	157	The1Eri	2.9060	9300.0	103	12725	No
GOM_TRA_1PNPDE20040806_011229_000000572029_00146_12725_0004.N1	06-AUG-2004 01:12:29	Dark	56.500	9	Alp Eri	0.45300	24000.	113	12725	No
GOM_TRA_1PNPDE20040806_011739_000000692029_00146_12725_0005.N1	06-AUG-2004 01:17:39	Twilight	68.500	84	Alp Phe	2.3970	4500.0	137	12725	No
GOM_TRA_1PNPDE20040806_012124_000000532029_00146_12725_0006.N1	06-AUG-2004 01:21:24	Twilight	52.500	63	Bet Gru	2.1500	2800.0	105	12725	No
GOM_TRA_1PNPDE20040806_012612_000000672029_00146_12725_0007.N1	06-AUG-2004 01:26:12	Bright	66.500	18	24Alp PsA	1.1660	9700.0	133	12725	No
GOM_TRA_1PNPDE20040806_013017_000000462029_00146_12725_0008.N1	06-AUG-2004 01:30:17	Bright	45.500	103	38Zet Sgr	2.6000	9700.0	91	12725	No
GOM_TRA_1PNPDE20040806_013245_000000522029_00146_12725_0009.N1	06-AUG-2004 01:32:45	Bright	51.500	142	49Del Cap	2.8500	8900.0	103	12725	No
GOM_TRA_1PNPDE20040806_013640_000000502029_00146_12725_0010.N1	06-AUG-2004 01:36:40	Bright	50.000	154	22Bet Aqr	2.8990	5700.0	100	12725	No
GOM_TRA_1PNPDE20040806_014047_000000392029_00146_12725_0011.N1	06-AUG-2004 01:40:47	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	12725	No
GOM_TRA_1PNPDE20040806_014222_000000372029_00146_12725_0012.N1	06-AUG-2004 01:42:22	Bright	37.000	168	17Zet Aql	2.9860	11000.	74	12725	No
GOM_TRA_1PNPDE20040806_014928_000000372029_00146_12725_0013.N1	06-AUG-2004 01:49:28	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	12725	No
GOM_TRA_1PNPDE20040806_015112_000000382029_00146_12725_0014.N1	06-AUG-2004 01:51:12	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	12725	No
GOM_TRA_1PNPDE20040806_015322_000000392029_00146_12725_0015.N1	06-AUG-2004 01:53:22	Bright	39.000	69	33Gam Dra	2.2310	3800.0	78	12725	No
GOM_TRA_1PNPDE20040806_021220_000000502029_00146_12725_0000.N1	06-AUG-2004 02:12:20	Bright	50.000	160	23Gam Per	2.9300	4700.0	100	12725	No
GOM_TRA_1PNPDE20040806_021407_000000522029_00146_12725_0001.N1	06-AUG-2004 02:14:07	Bright	52.000	35	33Alp Per	1.7950	6250.0	104	12725	No
GOM_TRA_1PNPDE20040806_022158_000000492029_00146_12725_0002.N1	06-AUG-2004 02:21:58	Twilight	48.500	28	12Bet Tau	1.6500	15200.	97	12725	No
GOM_TRA_1PNPDE20040806_022408_000000442029_00146_12725_0003.N1	06-AUG-2004 02:24:08	Twilight	43.500	176	23Zet Tau	3.0200	22000.	87	12725	No
GOM_TRA_1PNPDE20040806_022651_000000692029_00146_12725_0004.N1	06-AUG-2004 02:26:51	Twilight	69.000	13	87Alp Tau	0.86700	3800.0	138	12725	No
GOM_TRA_1PNPDE20040806_022849_000000472029_00146_12725_0005.N1	06-AUG-2004 02:28:49	Twilight	46.500	27	24Gam Ori	1.6360	26000.	93	12725	No
GOM_TRA_1PNPDE20040806_023044_000000452029_00146_12725_0006.N1	06-AUG-2004 02:30:44	Dark	44.500	30	46Eps Ori	1.6940	30000.	89	12725	No
GOM_TRA_1PNPDE20040806_023205_000000422029_00146_12725_0007.N1	06-AUG-2004 02:32:05	Dark	42.000	125	44Iot Ori	2.7700	30000.	84	12725	No
GOM_TRA_1PNPDE20040806_023344_000000472029_00146_12725_0008.N1	06-AUG-2004 02:33:44	Dark	47.000	1	9Alp CMa	-1.4400	11000.	94	12725	No
GOM_TRA_1PNPDE20040806_023527_000000452029_00146_12725_0009.N1	06-AUG-2004 02:35:27	Dark	45.000	101	11Alp Lep	2.5820	7000.0	90	12725	No
GOM_TRA_1PNPDE20040806_023701_000000382029_00146_12725_0010.N1	06-AUG-2004 02:37:01	Dark	37.500	23	21Eps CMa	1.5020	26000.	75	12725	No
GOM_TRA_1PNPDE20040806_024347_000000512029_00146_12725_0011.N1	06-AUG-2004 02:43:47	Dark	51.000	2	Alp Car	-0.73600	7000.0	102	12725	No
GOM_TRA_1PNPDE20040806_025306_000000532029_00147_12726_0012.N1	06-AUG-2004 02:53:06	Dark	52.500	9	Alp Eri	0.45300	24000.	105	12726	No
GOM_TRA_1PNPDE20040806_025818_000000572029_00147_12726_0013.N1	06-AUG-2004 02:58:18	Dark	57.000	84	Alp Phe	2.3970	4500.0	114	12726	No
GOM_TRA_1PNPDE20040806_030200_000000512029_00147_12726_0014.N1	06-AUG-2004 03:02:00	Twilight	51.000	63	Bet Gru	2.1500	2800.0	102	12726	No
GOM_TRA_1PNPDE20040806_030649_000000682029_00147_12726_0015.N1	06-AUG-2004 03:06:49	Bright	67.500	18	24Alp PsA	1.1660	9700.0	135	12726	No
GOM_TRA_1PNPDE20040806_031053_000000452029_00147_12726_0016.N1	06-AUG-2004 03:10:53	Bright	44.500	103	38Zet Sgr	2.6000	9700.0	89	12726	No

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



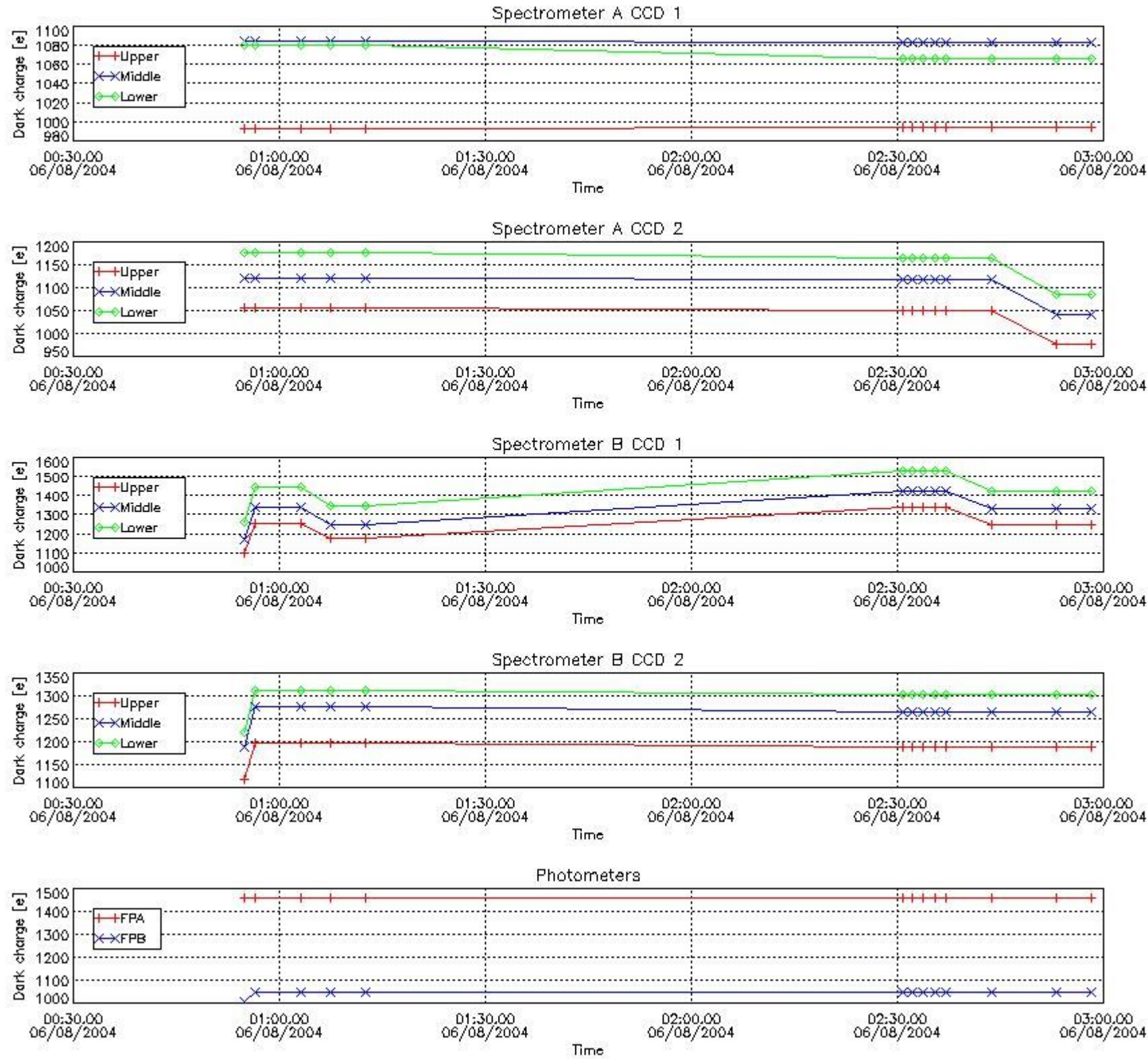
4. Overview of dark signal processing per product

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



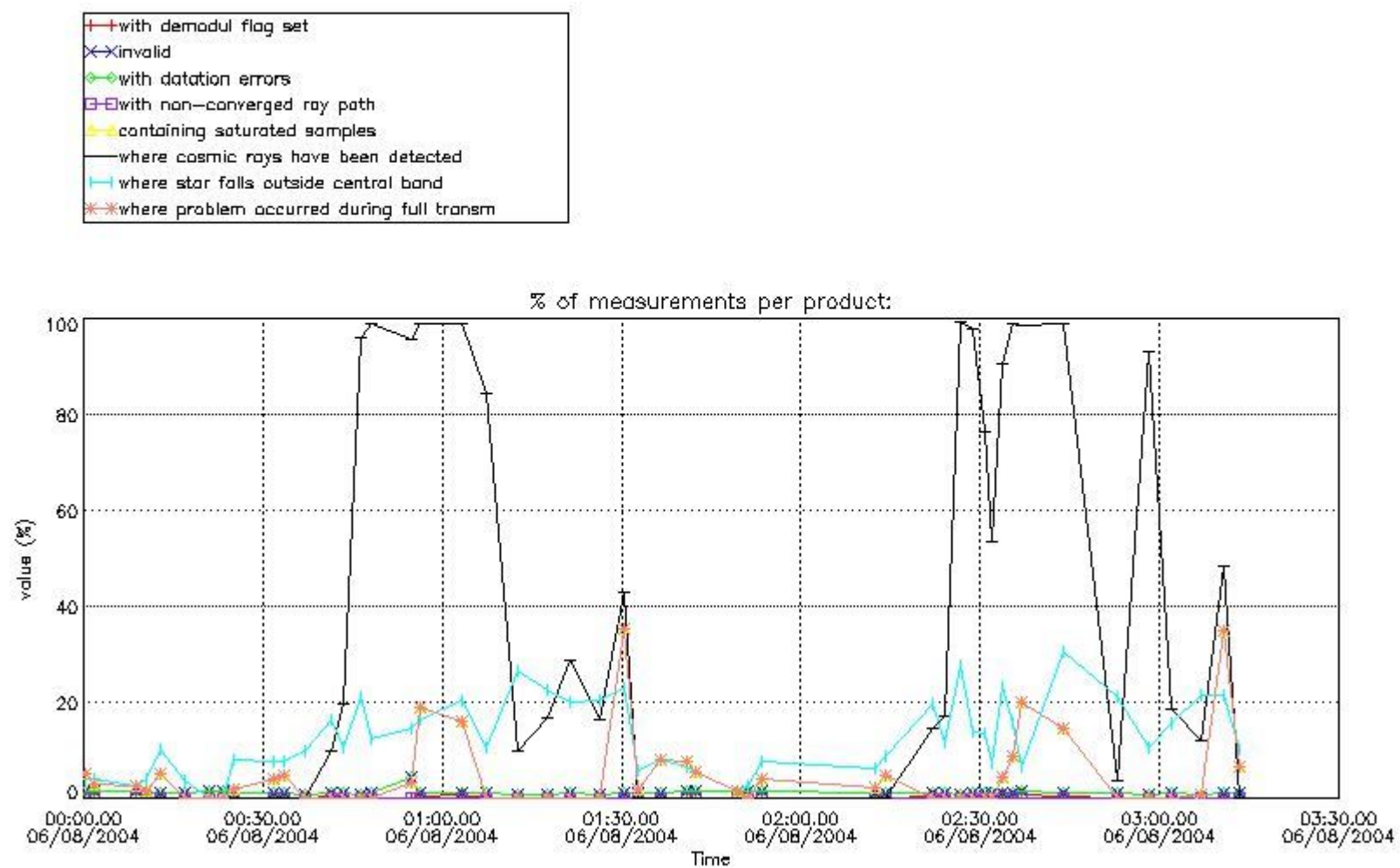
5. Demodulation flag and quality information monitoring

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.

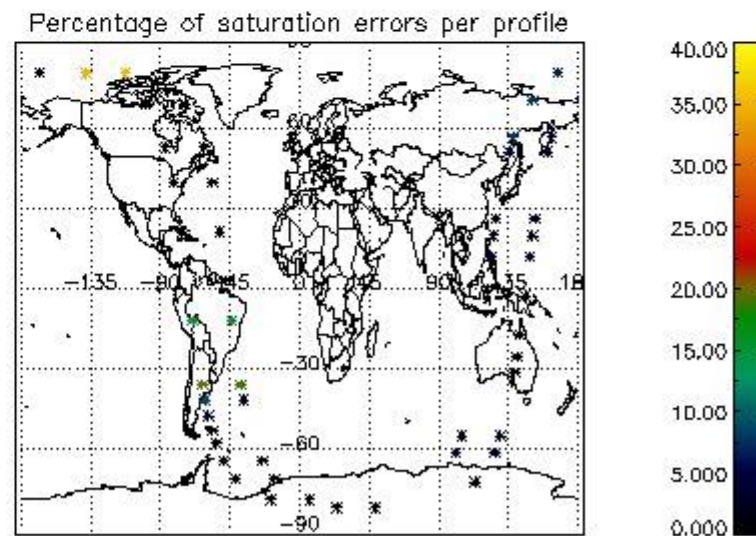
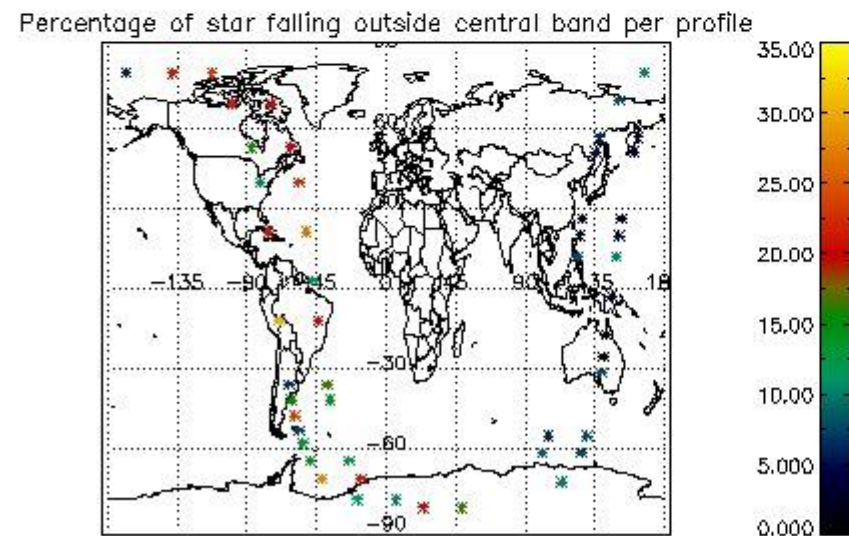
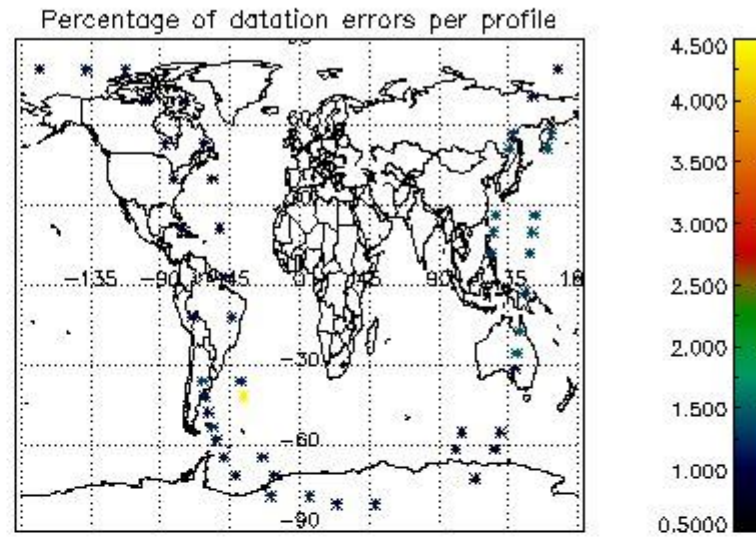
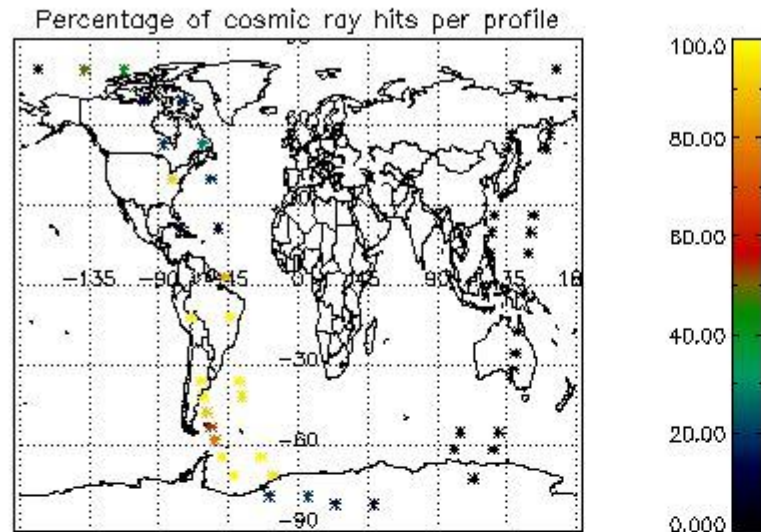
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	26.0000 %
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)



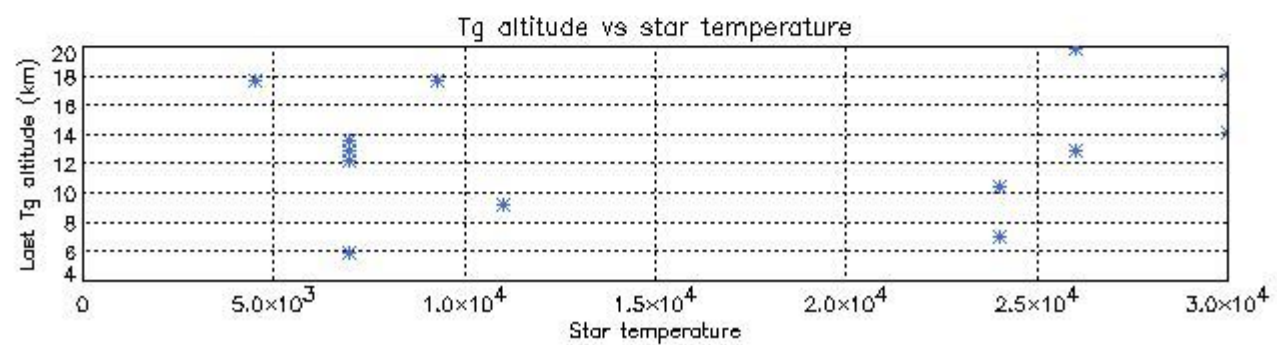
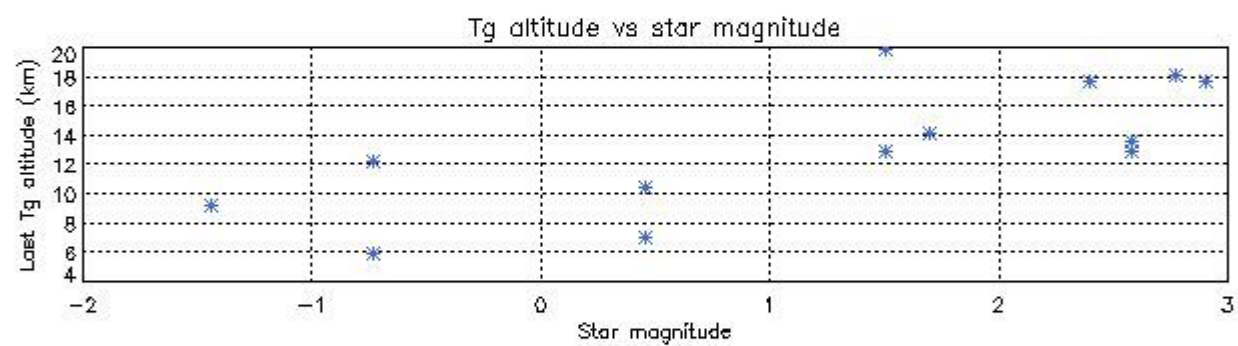
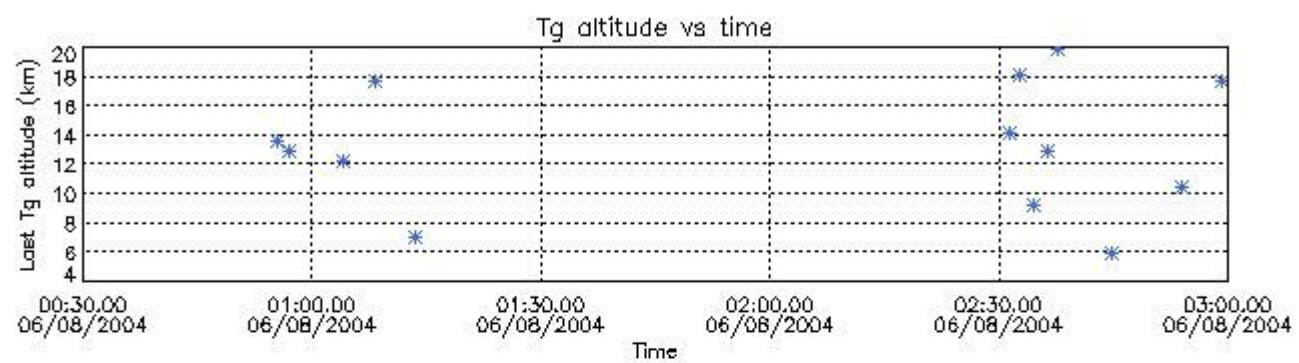
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.211	19.860	13.149
St. deviation:	4.3407	4.6738	3.1013
Maximum:	19.925	28.882	17.377
Minimum:	5.9795	10.557	7.0155
Number of data:	13.000	25.000	12.000

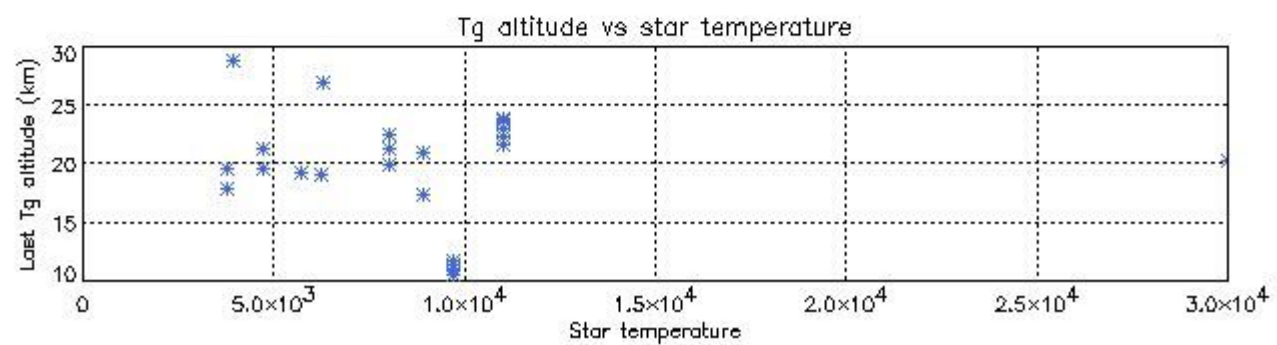
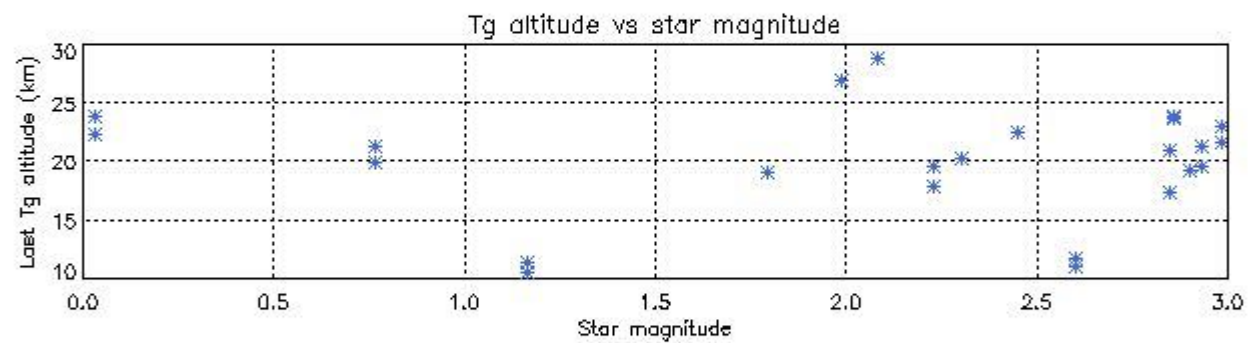
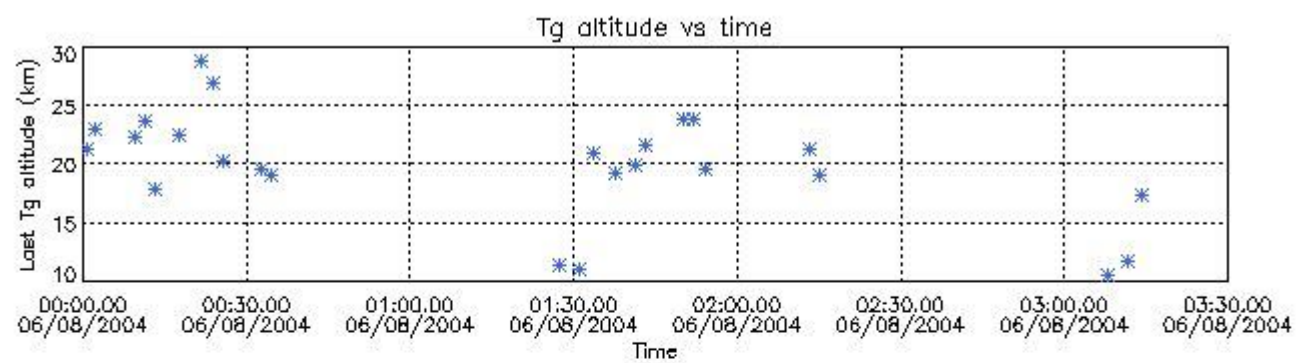
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



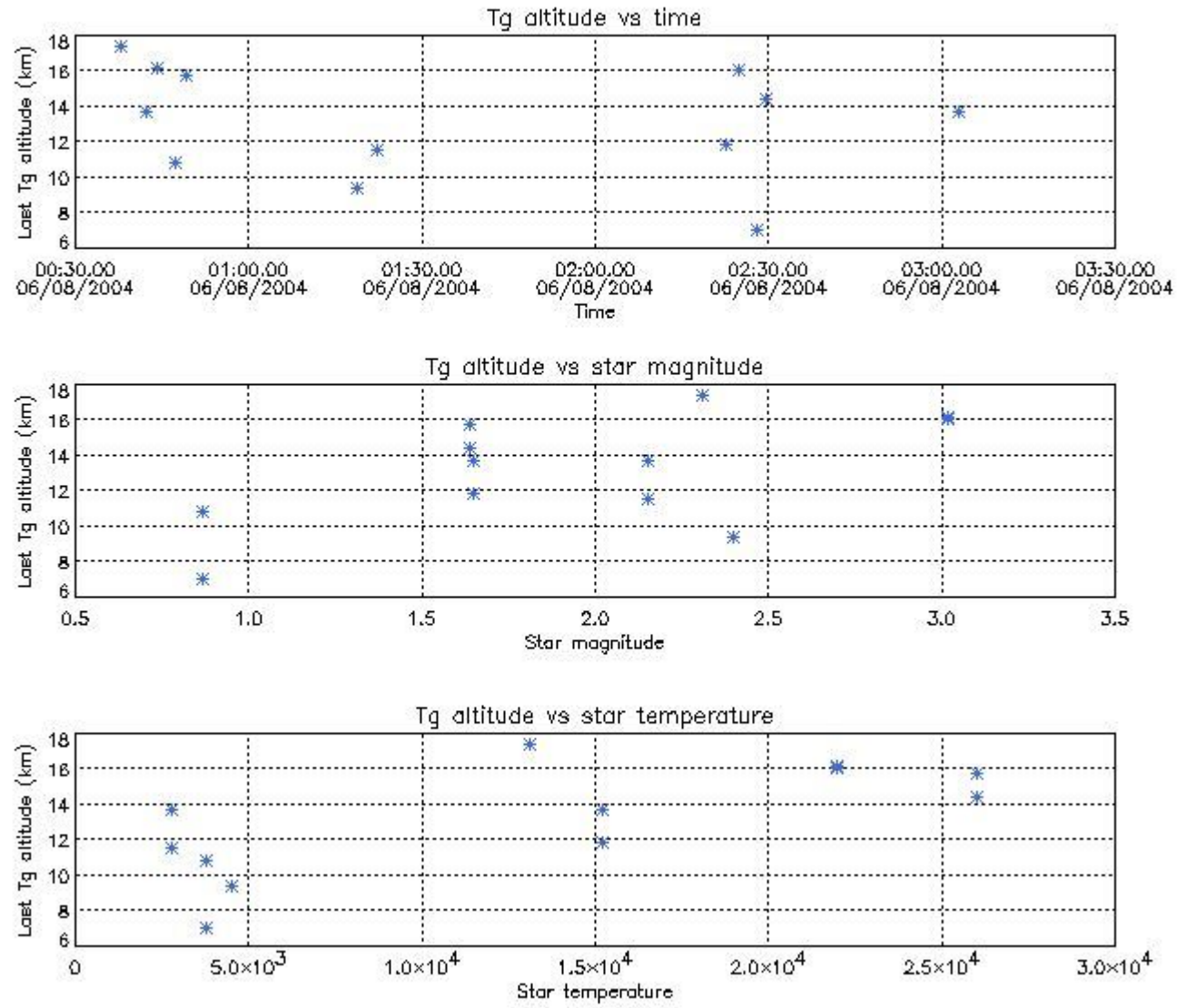
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

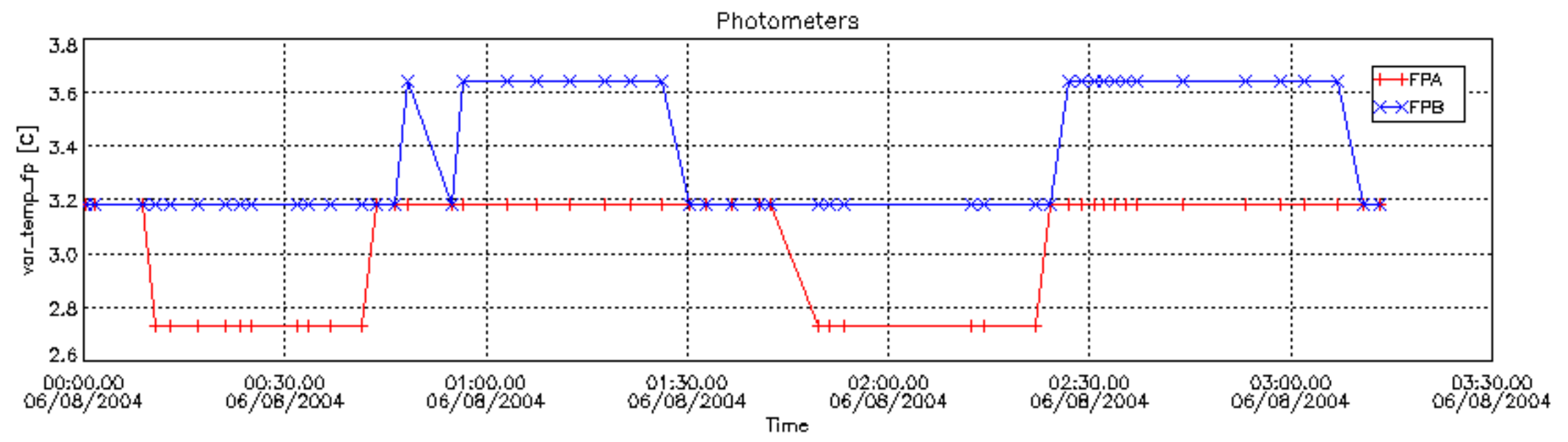
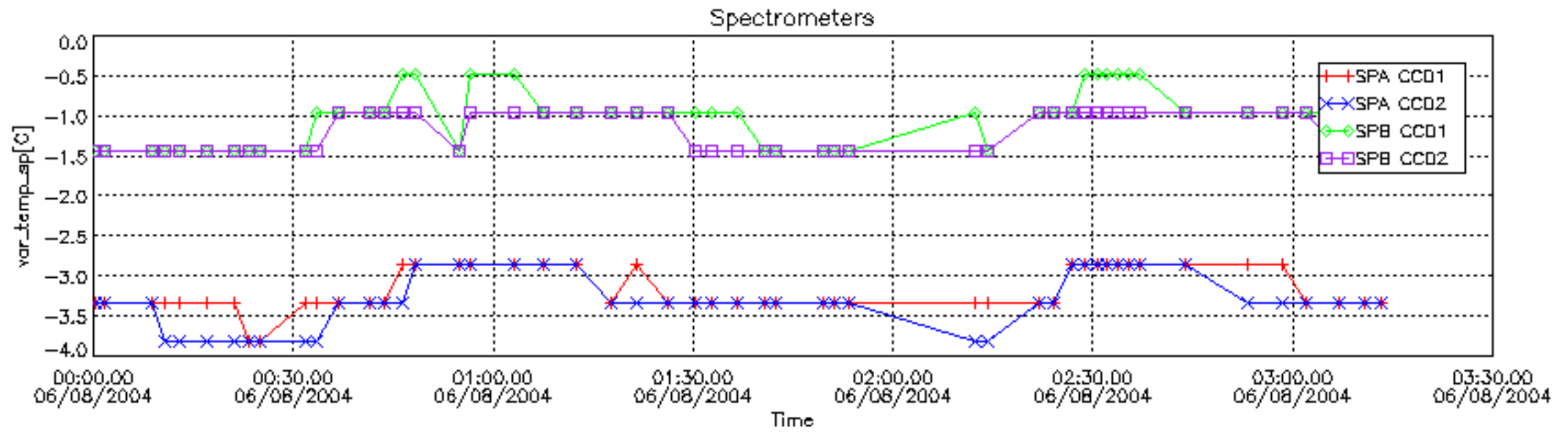
Tangent altitude at which the star is lost

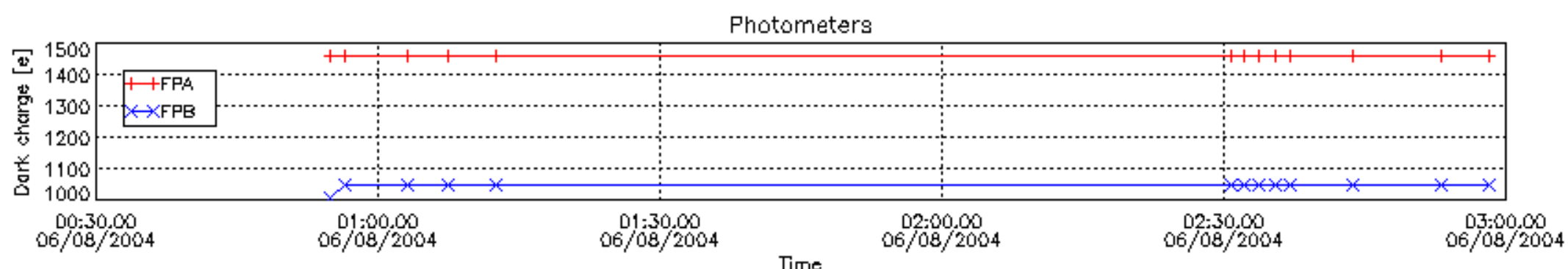
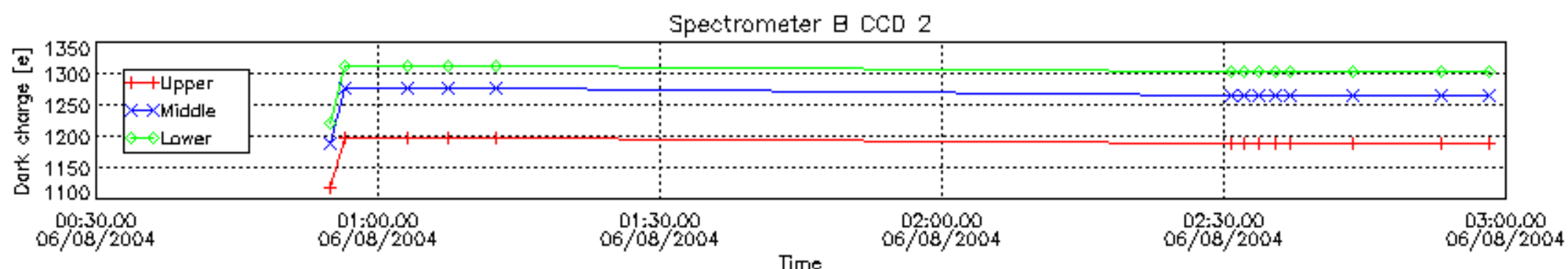
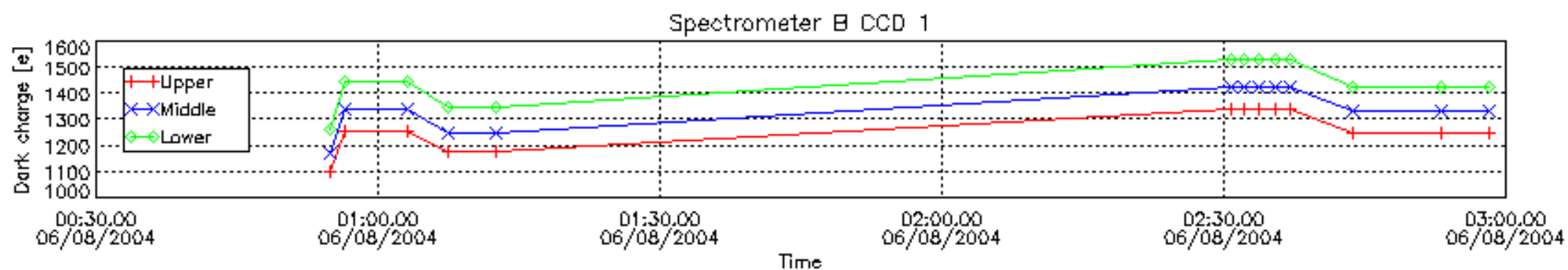
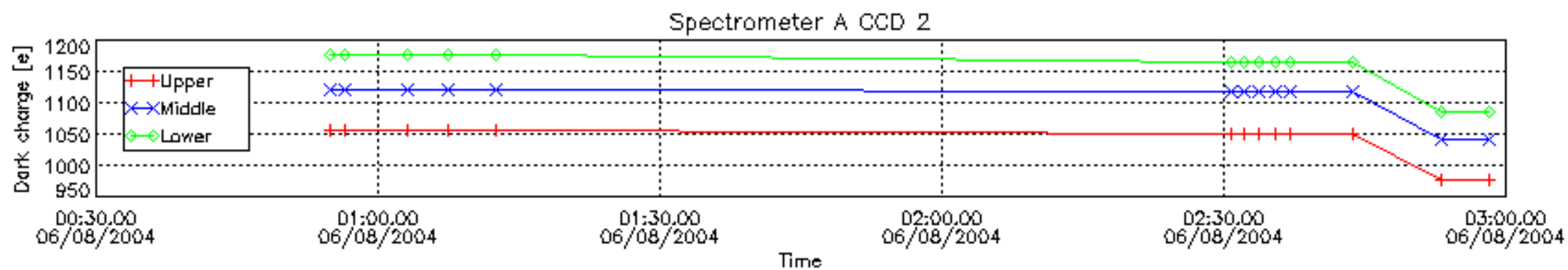
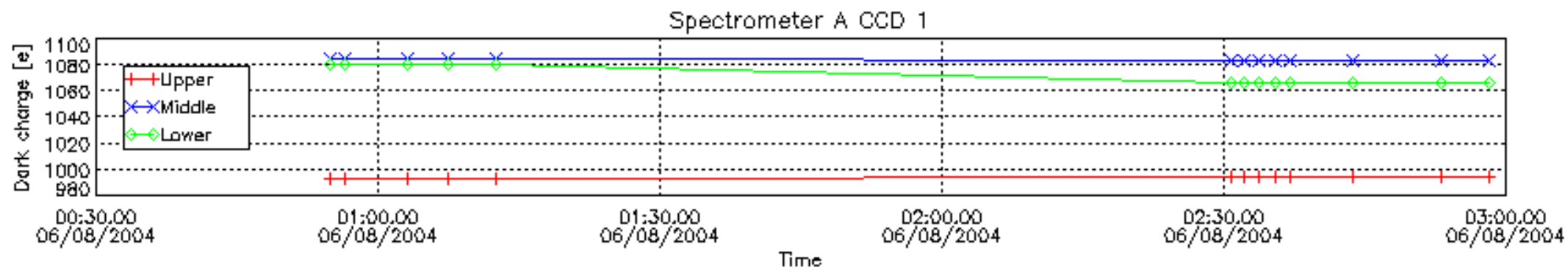


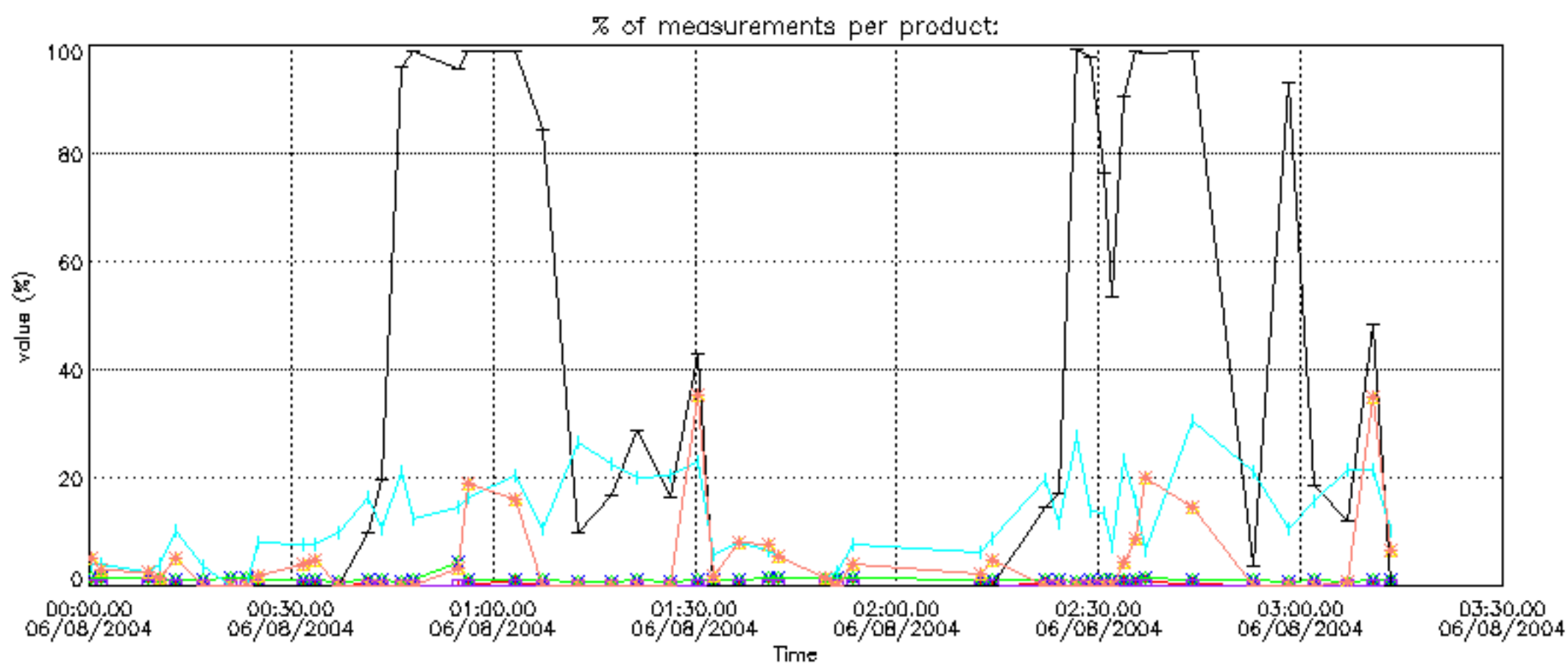
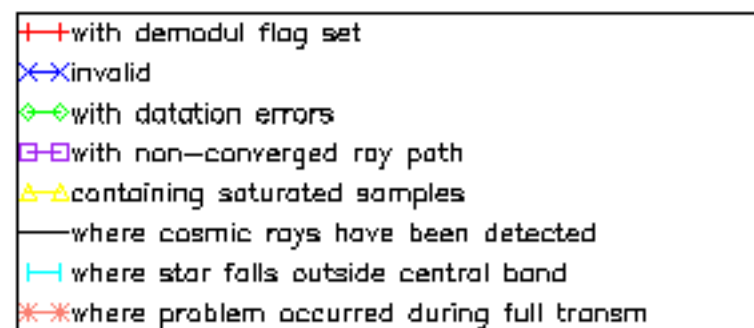
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

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.

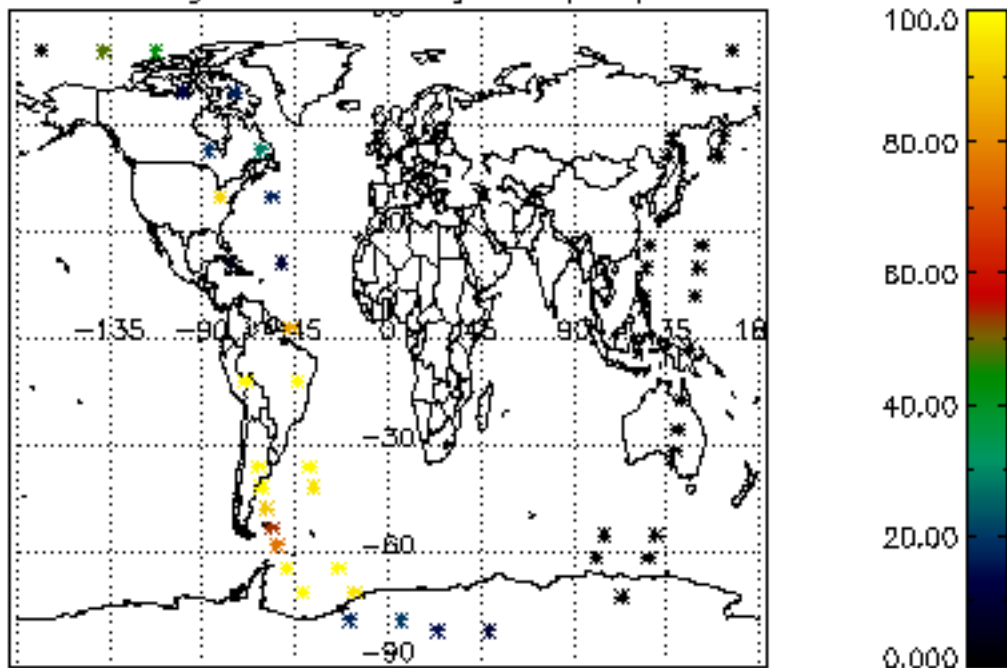
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1459.9	1446.9	1461.6	1447.3
St. deviation:	4.5838	5.9181	6.8644	7.8268
Maximum:	1496.0	1489.0	1513.0	1497.0
Minimum:	1447.0	1436.0	1432.0	1410.0
Number of data:	15200.	15200.	28900.	28900.



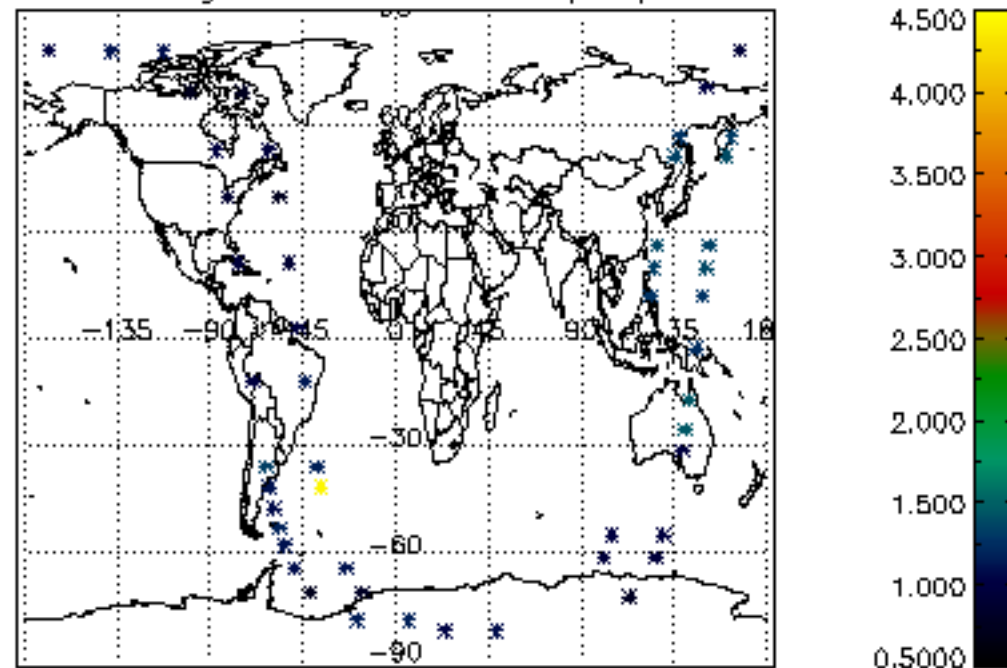




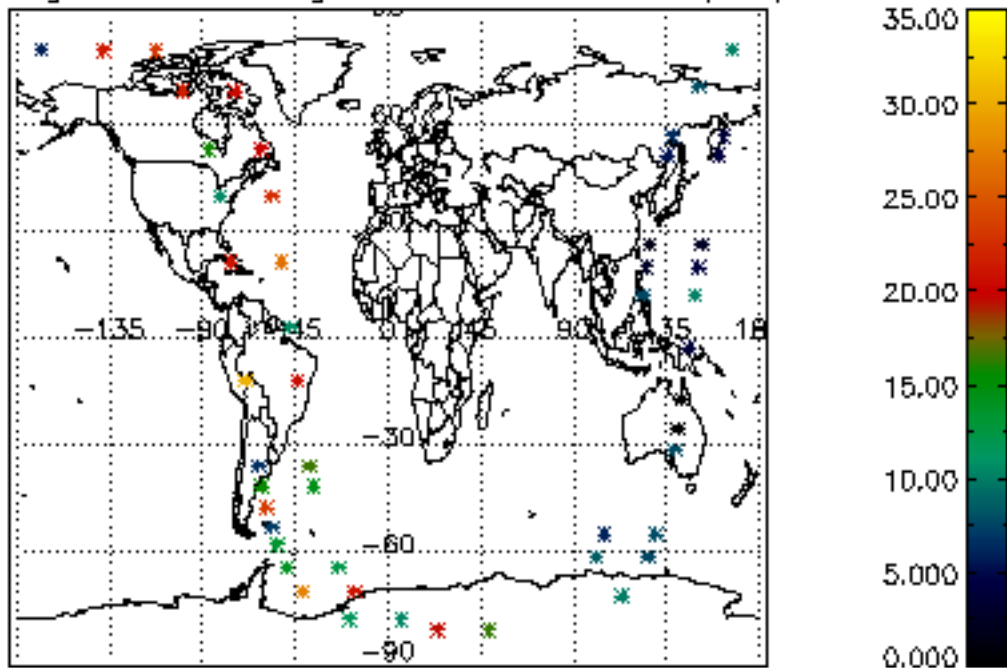
Percentage of cosmic ray hits per profile



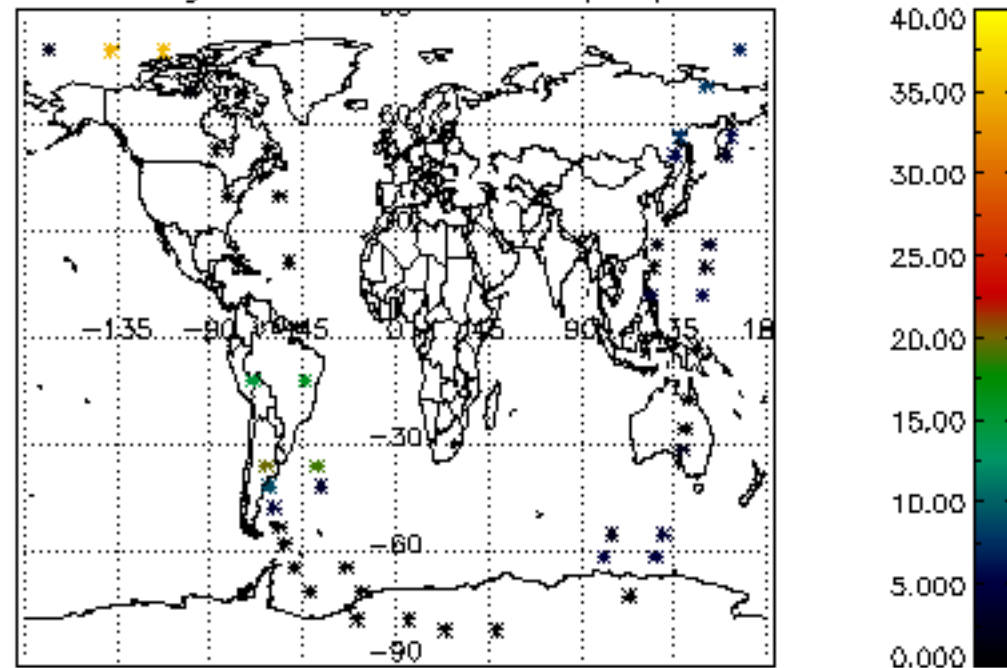
Percentage of datation errors per profile



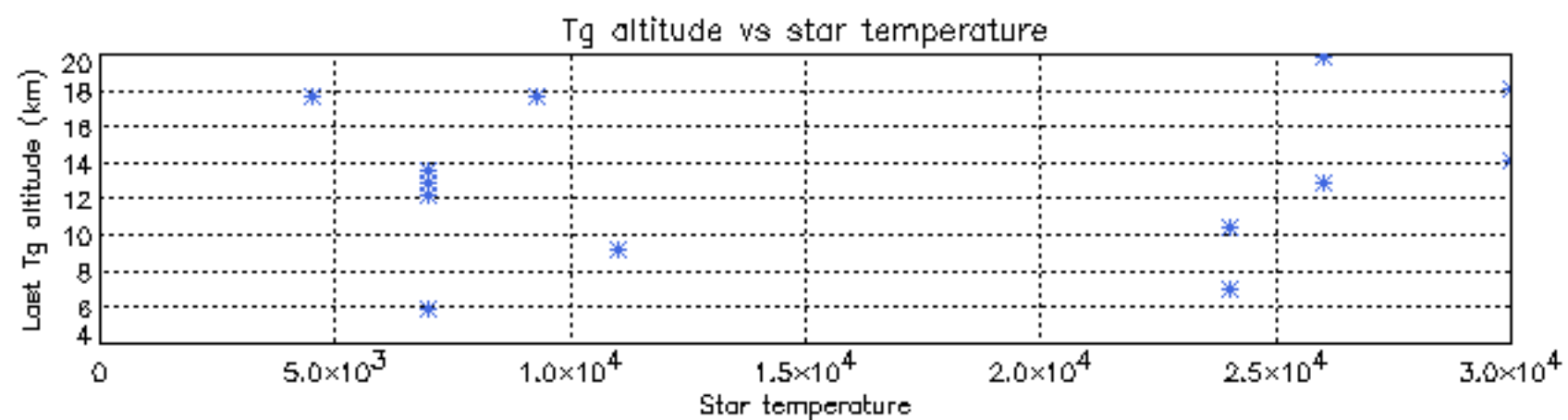
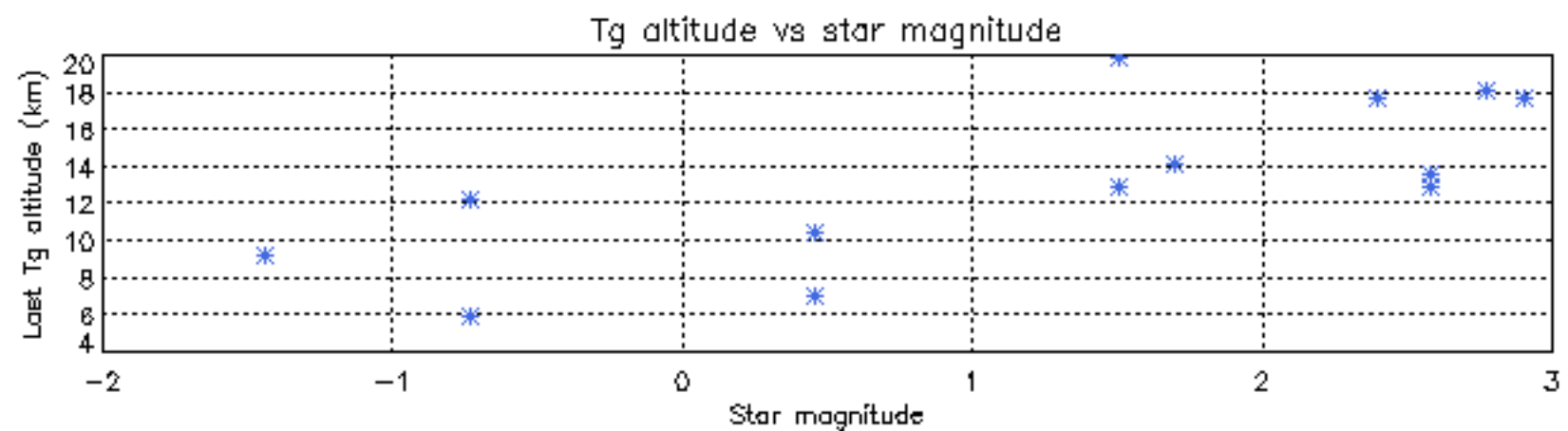
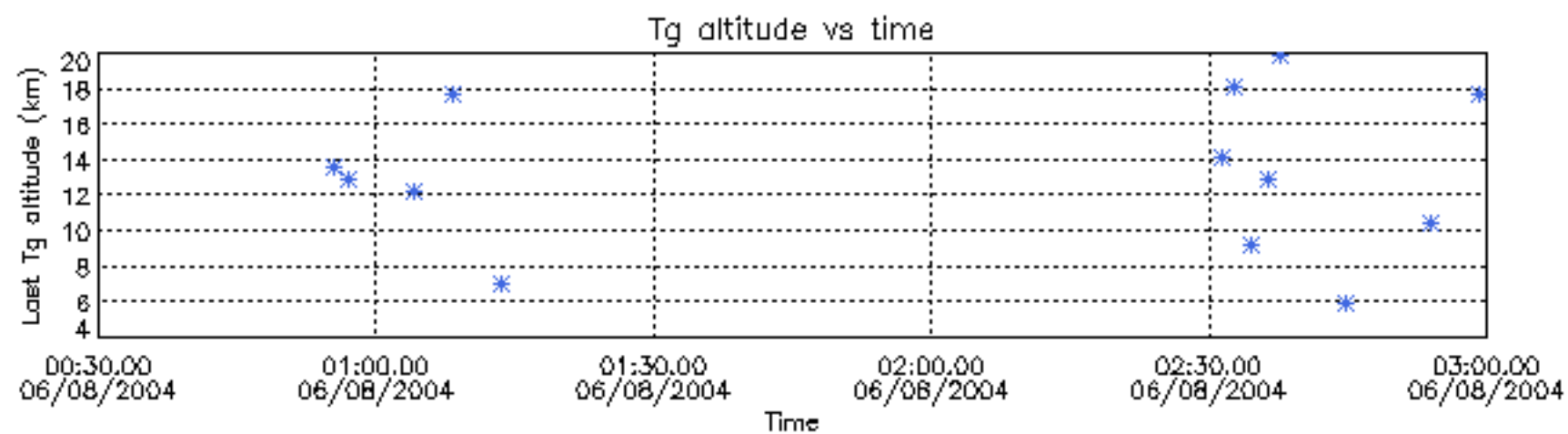
Percentage of star falling outside central band per profile



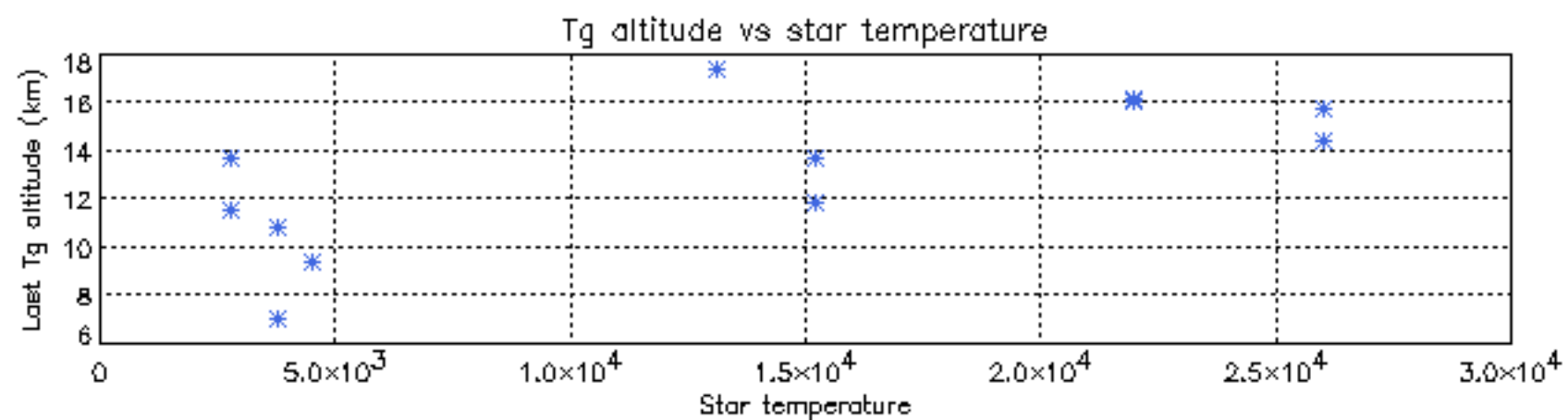
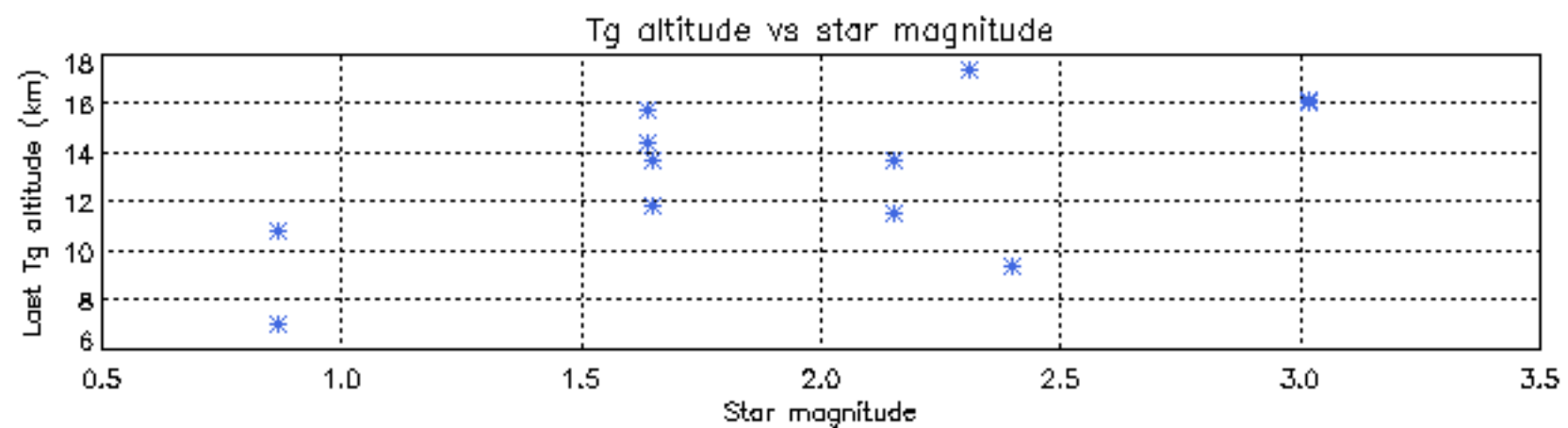
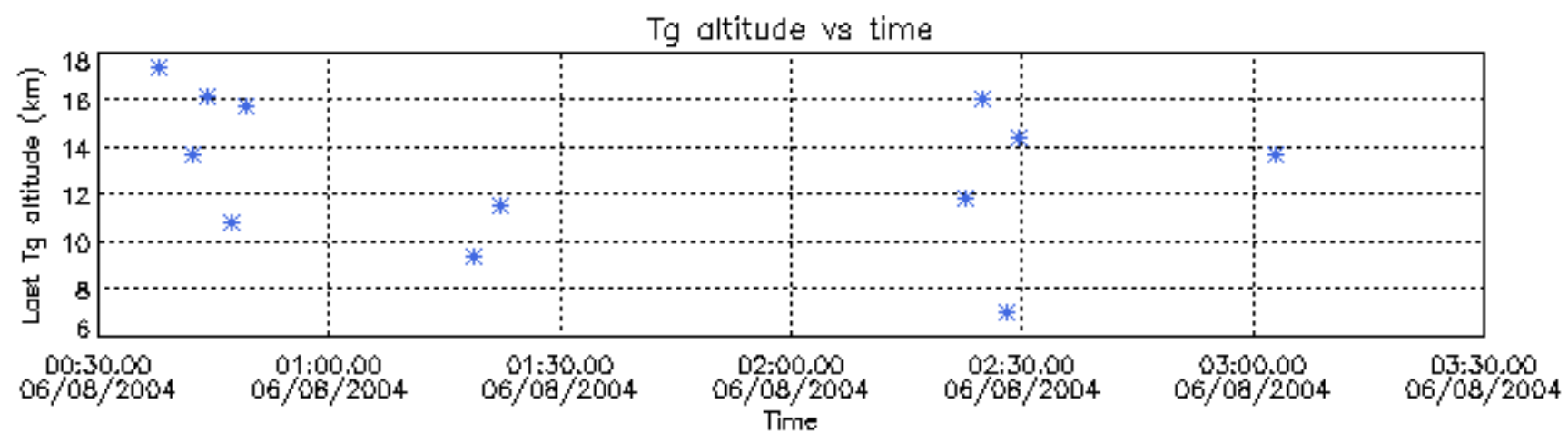
Percentage of saturation errors per profile



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost




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22; -285.4; 02-AUG-2004 09:50:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12672
23; -2.0; 02-AUG-2004 09:55:23; Dark ; 47.5; 157; The1Eri ; 2.91; 9300;occ; 95; 0;12672
24; 322.3; 02-AUG-2004 10:00:47; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;12673
25; 430.5; 02-AUG-2004 10:02:35; Dark ; 37.5; 135; Bet Hyi ; 2.82; 5800;occ; 75; 0;12673
26; 616.8; 02-AUG-2004 10:05:41; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;12673
27; 727.0; 02-AUG-2004 10:07:32; Dark ; 44.5; 148; Alp Tuc ; 2.88; 4100;occ; 89; 0;12673
28; 862.1; 02-AUG-2004 10:09:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;12673
29; 1147.4; 02-AUG-2004 10:14:32; Dark ; 67.5; 18; 24Alp PsA ; 1.17; 9700;occ; 135; 0;12673
30; 1416.3; 02-AUG-2004 10:19:01; Dark ; 52.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 104; 0;12673
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3;-3890.5; 02-AUG-2004 10:31:10; Bright; 36.0; 168; 17Zet Aql ; 2.99; 11000;occ; 72; 0;12673
4;-3465.1; 02-AUG-2004 10:38:15; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;12673
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7;-2991.8; 02-AUG-2004 10:46:09; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;12673
8;-2745.6; 02-AUG-2004 10:50:15; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;12673
9;-2596.7; 02-AUG-2004 10:52:44; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;12673
10;-2456.9; 02-AUG-2004 10:55:04; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;12673
11;-2068.0; 02-AUG-2004 11:01:32; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;12673
12;-1895.9; 02-AUG-2004 11:04:25; Bright; 88.5; 73; 57Gam1And ; 2.26; 13100;occ; 177; 0;12673
13;-1737.4; 02-AUG-2004 11:07:03; Dark ; 255.0; 53; 43Bet And ; 2.05; 3300;occ; 510; 0;12673
14;-1392.7; 02-AUG-2004 11:12:48; Dark ; 39.5; 176; 23Zet Tau ; 3.02; 22000;occ; 79; 0;12673
15;-1237.9; 02-AUG-2004 11:15:23; Dark ; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;12673
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17;-1003.9; 02-AUG-2004 11:19:17; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;12673
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19; -811.9; 02-AUG-2004 11:22:29; Dark ; 44.0; 1; 9Alp CMA ; -1.44; 11000;occ; 88; 0;12673
20; -724.2; 02-AUG-2004 11:23:56; Dark ; 43.0; 101; 11Alp Lep ; 2.58; 7000;occ; 86; 0;12673
21; -566.1; 02-AUG-2004 11:26:34; Dark ; 60.0; 165; 34Gam Eri ; 2.95; 3200;occ; 120; 0;12673
22; -284.7; 02-AUG-2004 11:31:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12673
23; -1.3; 02-AUG-2004 11:35:59; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;12673
24; 322.7; 02-AUG-2004 11:41:23; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;12674
25; 430.2; 02-AUG-2004 11:43:11; Dark ; 39.5; 135; Bet Hyi ; 2.82; 5800;occ; 79; 0;12674
26; 617.6; 02-AUG-2004 11:46:18; Dark ; 59.5; 84; Alp Phe ; 2.40; 4500;occ; 119; 0;12674
27; 727.3; 02-AUG-2004 11:48:08; Dark ; 48.0; 148; Alp Tuc ; 2.88; 4100;occ; 96; 0;12674
28; 862.6; 02-AUG-2004 11:50:23; Dark ; 59.5; 63; Bet Gru ; 2.15; 2800;occ; 119; 0;12674
29; 1147.7; 02-AUG-2004 11:55:08; Dark ; 69.5; 18; 24Alp PsA ; 1.17; 9700;occ; 139; 0;12674
30; 1416.0; 02-AUG-2004 11:59:36; Dark ; 44.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 88; 0;12674
31; 1570.4; 02-AUG-2004 12:02:11; Bright; 51.0; 142; 49Del Cap ; 2.85; 8900;occ; 102; 0;12674
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2;-3979.7; 02-AUG-2004 12:10:17; Bright; 38.5; 11; 53Alp Aql ; 0.76; 8000;occ; 77; 0;12674
3;-3890.5; 02-AUG-2004 12:11:46; Bright; 37.0; 168; 17Zet Aql ; 2.99; 11000;occ; 74; 0;12674
4;-3465.4; 02-AUG-2004 12:18:51; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;12674
5;-3347.7; 02-AUG-2004 12:20:49; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;12674
6;-3235.8; 02-AUG-2004 12:22:41; Bright; 40.0; 69; 33Gam Dra ; 2.23; 3800;occ; 80; 0;12674
7;-2991.9; 02-AUG-2004 12:26:44; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;12674
8;-2744.7; 02-AUG-2004 12:30:52; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;12674
9;-2596.9; 02-AUG-2004 12:33:19; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;12674

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 12;-1896.2; 02-AUG-2004 12:45:00; Bright; 89.5; 73; 57Gam1And ; 2.26; 13100;occ; 179; 0;12674
 13;-1738.5; 02-AUG-2004 12:47:38; Dark ; 255.0; 53; 43Bet And ; 2.05; 3300;occ; 510; 0;12674
 14;-1392.8; 02-AUG-2004 12:53:24; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;12674
 15;-1237.6; 02-AUG-2004 12:55:59; Dark ; 65.0; 13; 87Alp Tau ; 0.87; 3800;occ; 130; 0;12674
 16;-1119.8; 02-AUG-2004 12:57:57; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;12674
 17;-1003.7; 02-AUG-2004 12:59:53; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;12674
 18; -923.7; 02-AUG-2004 13:01:13; Dark ; 42.0; 125; 44Iot Ori ; 2.77; 30000;occ; 84; 0;12674
 19; -811.7; 02-AUG-2004 13:03:05; Dark ; 39.0; 1; 9Alp CMA ; -1.44; 11000;occ; 78; 0;12674
 20; -723.8; 02-AUG-2004 13:04:33; Dark ; 41.5; 101; 11Alp Lep ; 2.58; 7000;occ; 83; 0;12674
 21; -565.1; 02-AUG-2004 13:07:11; Dark ; 58.0; 165; 34Gam Eri ; 2.95; 3200;occ; 116; 0;12674
 22; -283.9; 02-AUG-2004 13:11:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12674
 23; -0.3; 02-AUG-2004 13:16:36; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;12674
 24; 323.4; 02-AUG-2004 13:22:00; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;12675
 25; 430.4; 02-AUG-2004 13:23:47; Dark ; 39.5; 135; Bet Hyi ; 2.82; 5800;occ; 79; 0;12675
 26; 617.4; 02-AUG-2004 13:26:54; Dark ; 60.0; 84; Alp Phe ; 2.40; 4500;occ; 120; 0;12675
 27; 727.7; 02-AUG-2004 13:28:44; Dark ; 45.5; 148; Alp Tuc ; 2.88; 4100;occ; 91; 0;12675
 28; 931.1; 02-AUG-2004 13:32:07; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;12675
 29; 1147.7; 02-AUG-2004 13:35:44; Dark ; 72.0; 18; 24Alp PsA ; 1.17; 9700;occ; 144; 0;12675
 30; 1416.2; 02-AUG-2004 13:40:13; Dark ; 50.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 101; 0;12675
 31; 1570.0; 02-AUG-2004 13:42:46; Bright; 1.5; 142; 49Del Cap ; 2.85; 8900;occ; 3; 0;12675

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Problem occurred when reading packet number 991!

Problem occurred when reading packet number 3241!

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 3;-3979.8; 02-AUG-2004 13:50:52; Bright; 38.5; 11; 53Alp Aql ; 0.76; 8000;occ; 77; 0;12675
 4;-3891.0; 02-AUG-2004 13:52:21; Bright; 36.5; 168; 17Zet Aql ; 2.99; 11000;occ; 73; 0;12675
 5;-3465.1; 02-AUG-2004 13:59:27; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;12675
 6;-3347.6; 02-AUG-2004 14:01:25; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;12675
 7;-3235.4; 02-AUG-2004 14:03:17; Bright; 41.0; 69; 33Gam Dra ; 2.23; 3800;occ; 82; 0;12675
 8;-2991.4; 02-AUG-2004 14:07:21; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;12675
 9;-2743.8; 02-AUG-2004 14:11:28; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;12675
 10;-2596.7; 02-AUG-2004 14:13:56; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;12675
 11;-2458.3; 02-AUG-2004 14:16:14; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;12675
 12;-2067.8; 02-AUG-2004 14:22:45; Bright; 316.0; 160; 23Gam Per ; 2.93; 4700;occ; 632; 547;12675
 13;-144771048.8; 01-JAN-2000 00:46:23; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 90;12675
 14;-144770922.2; 01-JAN-2000 00:48:30; Bright; 87.0; 73; 57Gam1And ; 2.26; 13100;occ; 174; 0;12675
 15;-144770764.8; 01-JAN-2000 00:51:07; Dark ; 255.0; 53; 43Bet And ; 2.05; 3300;occ; 510; 0;12675
 16;-144770416.9; 01-JAN-2000 00:56:55; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;12675
 17;-144770262.1; 01-JAN-2000 00:59:30; Dark ; 65.0; 13; 87Alp Tau ; 0.87; 3800;occ; 130; 0;12675
 18;-144770143.1; 01-JAN-2000 01:01:29; Dark ; 42.0; 27; 24Gam Ori ; 1.64; 26000;occ; 84; 0;12675
 19;-144770028.3; 01-JAN-2000 01:03:24; Dark ; 40.0; 30; 46Eps Ori ; 1.69; 30000;occ; 80; 0;12675
 20;-144769948.4; 01-JAN-2000 01:04:44; Dark ; 39.0; 125; 44Iot Ori ; 2.77; 30000;occ; 78; 0;12675
 21;-144769836.0; 01-JAN-2000 01:06:36; Dark ; 45.0; 1; 9Alp CMA ; -1.44; 11000;occ; 90; 0;12675
 22;-144769748.2; 01-JAN-2000 01:08:04; Dark ; 44.0; 101; 11Alp Lep ; 2.58; 7000;occ; 88; 0;12675
 23;-144769601.1; 01-JAN-2000 01:10:31; Dark ; 39.5; 177; 1Zet CMA ; 3.02; 26000;occ; 79; 0;12675
 24;-144769502.4; 01-JAN-2000 01:12:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12675
 25;-144769231.6; 01-JAN-2000 01:16:41; Dark ; 51.0; 2; Alp Car ; -0.74; 7000;occ; 102; 0;12675
 26;-144769024.4; 01-JAN-2000 01:20:08; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;12675
 27;-144768701.3; 01-JAN-2000 01:25:31; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;12675
 28;-144768594.9; 01-JAN-2000 01:27:17; Dark ; 41.0; 135; Bet Hyi ; 2.82; 5800;occ; 82; 0;12675
 29;-144768406.0; 01-JAN-2000 01:30:26; Dark ; 65.0; 84; Alp Phe ; 2.40; 4500;occ; 130; 0;12675
 30;-144768297.3; 01-JAN-2000 01:32:15; Dark ; 45.5; 148; Alp Tuc ; 2.88; 4100;occ; 91; 0;12675
 31;-144768092.7; 01-JAN-2000 01:35:40; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 15;12675
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 2;-4465.4; 02-AUG-2004 15:23:23; Bright; 53.5; 142; 49Del Cap ; 2.85; 8900;occ; 107; 0;12676
 3;-4219.2; 02-AUG-2004 15:27:29; Bright; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;12676
 4;-3980.2; 02-AUG-2004 15:31:28; Bright; 39.5; 11; 53Alp Aql ; 0.76; 8000;occ; 79; 0;12676
 5;-3892.0; 02-AUG-2004 15:32:56; Bright; 38.0; 168; 17Zet Aql ; 2.99; 11000;occ; 76; 0;12676
 6;-3465.5; 02-AUG-2004 15:40:03; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;12676
 7;-3348.0; 02-AUG-2004 15:42:00; Bright; 36.0; 144; 18Del Cyg ; 2.86; 11000;occ; 72; 0;12676
 8;-3235.7; 02-AUG-2004 15:43:53; Bright; 38.0; 69; 33Gam Dra ; 2.23; 3800;occ; 76; 0;12676
 9;-2991.6; 02-AUG-2004 15:47:57; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;12676

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10;-2744.2; 02-AUG-2004 15:52:04; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;12676
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13;-2068.1; 02-AUG-2004 16:03:20; Bright; 70.0; 160; 23Gam Per ; 2.93; 4700;occ; 140; 0;12676
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27; 324.7; 02-AUG-2004 16:43:13; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;12677
28; 430.4; 02-AUG-2004 16:44:59; Dark ; 41.5; 135; Bet Hyi ; 2.82; 5800;occ; 83; 0;12677
29; 620.5; 02-AUG-2004 16:48:09; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;12677
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31; 931.9; 02-AUG-2004 16:53:20; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;12677
32; 1149.6; 02-AUG-2004 16:56:58; Dark ; 22.0; 18; 24Alp PsA ; 1.17; 9700;occ; 44; 0;12677
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4; 932.9; 02-AUG-2004 21:55:09; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;12680
5; 1151.1; 02-AUG-2004 21:58:47; Dark ; 68.5; 18; 24Alp PsA ; 1.17; 9700;occ; 137; 0;12680
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7; 1569.9; 02-AUG-2004 22:05:46; Bright; 52.5; 142; 49Del Cap ; 2.85; 8900;occ; 105; 0;12680
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11; 2570.4; 02-AUG-2004 22:22:26; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;12680
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17; 3574.0; 02-AUG-2004 22:39:10; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;12680
18; 3965.8; 02-AUG-2004 22:45:42; Bright; 52.0; 160; 23Gam Per ; 2.93; 4700;occ; 104; 0;12680
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21;	-725.2;	23-AUG-2004	13:44:43;	Dark	;	51.0;	1;	9Alp	CMa	;	-1.44;	11000;	occ;	102;	0;	12975
22;	-631.1;	23-AUG-2004	13:46:18;	Dark	;	63.0;	7;	19Bet	Ori	;	0.10;	14000;	occ;	126;	0;	12975
23;	-422.9;	23-AUG-2004	13:49:46;	Dark	;	42.0;	70;	Zet	Pup	;	2.25;	39000;	occ;	84;	0;	12975
24;	-312.8;	23-AUG-2004	13:51:36;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	12975
25;	-139.5;	23-AUG-2004	13:54:29;	Dark	;	53.0;	2;	Alp	Car	;	-0.74;	7000;	occ;	106;	0;	12975
26;	341.8;	23-AUG-2004	14:02:30;	Dark	;	55.5;	157;	The1Eri		;	2.91;	9300;	occ;	111;	0;	12976
27;	528.5;	23-AUG-2004	14:05:37;	Dark	;	48.0;	9;	Alp	Eri	;	0.45;	24000;	occ;	96;	0;	12976
28;	832.7;	23-AUG-2004	14:10:41;	Dark	;	41.5;	148;	Alp	Tuc	;	2.88;	4100;	occ;	83;	0;	12976
29;	971.1;	23-AUG-2004	14:13:00;	Dark	;	43.5;	45;	Alp	Pav	;	1.94;	26000;	occ;	87;	0;	12976
30;	1050.8;	23-AUG-2004	14:14:19;	Dark	;	42.5;	31;	Alp	Gru	;	1.73;	15200;	occ;	85;	0;	12976
31;	1292.1;	23-AUG-2004	14:18:21;	Dark	;	53.0;	18;	24Alp	PsA	;	1.17;	9700;	occ;	106;	0;	12976