

GOMOS Daily Report 23-AUG-2004

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

[2. Summary of products arrived in PCF \(Product Control Facility\)](#)

[2.1 Level 0 products arrived in PCF during actual month \(see template here\)](#)

[2.2 Level 1 products arrived in PCF during reporting period](#)

[3. Plot of Spectrometers and Photometers temperatures](#)

[4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

[5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

[6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

[7. Statistics on SATU Noise Equivalent Angle](#)

[Level 2 products](#)

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	24AUG2004 05:04:01
Data source version	GOMOS/4.02
Start time of products	QDS_YESTERDAY(/START) (23AUG2004 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP) (24AUG2004 00:00:00)

Store outputs flag	1
Nb of level 1b prods	50
Nb of prods with errors	2

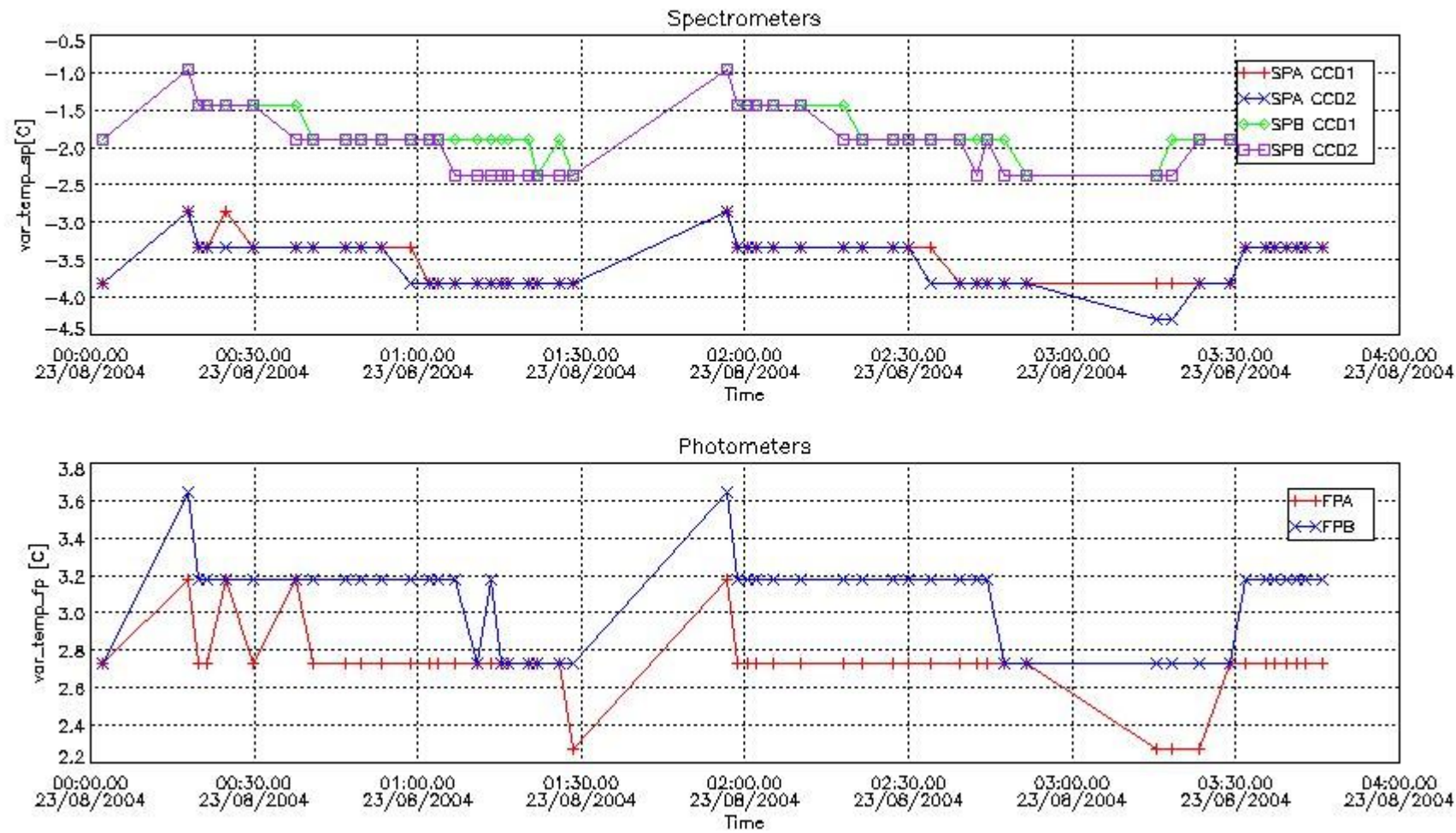
2. Summary of products arrived in PCF (Product Control Facility)

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_1PNPDE20040823_000208_000002552029_00388_12967_0023.N1	23-AUG-2004 00:02:08	Twilight	255.00	173	4Bet Tri	3.0040	8900.0	510	12967	No
GOM_TRA_1PNPDE20040823_001759_00000602029_00388_12967_0000.N1	23-AUG-2004 00:17:59	Dark	60.000	30	46Eps Ori	1.6940	30000.	120	12967	Yes
GOM_TRA_1PNPDE20040823_001949_00000552029_00388_12967_0001.N1	23-AUG-2004 00:19:49	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	12967	No
GOM_TRA_1PNPDE20040823_002121_00000652029_00388_12967_0002.N1	23-AUG-2004 00:21:21	Dark	65.000	7	19Bet Ori	0.10000	14000.	130	12967	No
GOM_TRA_1PNPDE20040823_002437_00000442029_00388_12967_0003.N1	23-AUG-2004 00:24:37	Dark	44.000	117	Pi Pup	2.7060	3800.0	88	12967	No
GOM_TRA_1PNPDE20040823_002939_00000462029_00388_12967_0004.N1	23-AUG-2004 00:29:39	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	12967	No
GOM_TRA_1PNPDE20040823_003732_00000572029_00389_12968_0005.N1	23-AUG-2004 00:37:32	Dark	56.500	157	The1Eri	2.9060	9300.0	113	12968	No
GOM_TRA_1PNPDE20040823_004044_00000512029_00389_12968_0006.N1	23-AUG-2004 00:40:44	Dark	50.500	9	Alp Eri	0.45300	24000.	101	12968	No
GOM_TRA_1PNPDE20040823_004639_00000592029_00389_12968_0007.N1	23-AUG-2004 00:46:39	Twilight	59.000	84	Alp Phe	2.3970	4500.0	118	12968	No
GOM_TRA_1PNPDE20040823_004928_00000452029_00389_12968_0008.N1	23-AUG-2004 00:49:28	Bright	45.000	31	Alp Gru	1.7340	15200.	90	12968	No
GOM_TRA_1PNPDE20040823_005328_00000542029_00389_12968_0009.N1	23-AUG-2004 00:53:28	Bright	53.500	18	24Alp PsA	1.1660	9700.0	107	12968	No
GOM_TRA_1PNPDE20040823_005842_00000482029_00389_12968_0010.N1	23-AUG-2004 00:58:42	Bright	48.000	142	49Del Cap	2.8500	8900.0	96	12968	No
GOM_TRA_1PNPDE20040823_010158_00000432029_00389_12968_0011.N1	23-AUG-2004 01:01:58	Bright	43.000	154	22Bet Aqr	2.8990	5700.0	86	12968	No
GOM_TRA_1PNPDE20040823_010343_00000452029_00389_12968_0012.N1	23-AUG-2004 01:03:43	Bright	45.000	162	34Alp Aqr	2.9440	5350.0	90	12968	No
GOM_TRA_1PNPDE20040823_010648_00000432029_00389_12968_0013.N1	23-AUG-2004 01:06:48	Bright	42.500	61	8Eps Peg	2.1000	3900.0	85	12968	No
GOM_TRA_1PNPDE20040823_011057_00000582029_00389_12968_0014.N1	23-AUG-2004 01:10:57	Bright	57.500	90	54Alp Peg	2.4870	11000.	115	12968	No
GOM_TRA_1PNPDE20040823_011327_00000382029_00389_12968_0015.N1	23-AUG-2004 01:13:27	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	12968	No
GOM_TRA_1PNPDE20040823_011509_00000432029_00389_12968_0016.N1	23-AUG-2004 01:15:09	Bright	42.500	66	37Gam Cyg	2.2080	5900.0	85	12968	No
GOM_TRA_1PNPDE20040823_011640_00000382029_00389_12968_0017.N1	23-AUG-2004 01:16:40	Bright	37.500	19	50Alp Cyg	1.2460	10500.	75	12968	No
GOM_TRA_1PNPDE20040823_012014_00000422029_00389_12968_0018.N1	23-AUG-2004 01:20:14	Bright	41.500	69	33Gam Dra	2.2310	3800.0	83	12968	No
GOM_TRA_1PNPDE20040823_012151_00000372029_00389_12968_0019.N1	23-AUG-2004 01:21:51	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	12968	No
GOM_TRA_1PNPDE20040823_012548_00000482029_00389_12968_0020.N1	23-AUG-2004 01:25:48	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	12968	No
GOM_TRA_1PNPDE20040823_012821_00000392029_00389_12968_0021.N1	23-AUG-2004 01:28:21	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	12968	No
GOM_TRA_1PNPDE20040823_015638_00000642029_00389_12968_0000.N1	23-AUG-2004 01:56:38	Dark	63.500	27	24Gam Ori	1.6360	26000.	127	12968	Yes
GOM_TRA_1PNPDE20040823_015835_00000602029_00389_12968_0001.N1	23-AUG-2004 01:58:35	Dark	59.500	30	46Eps Ori	1.6940	30000.	119	12968	No
GOM_TRA_1PNPDE20040823_020026_00000552029_00389_12968_0002.N1	23-AUG-2004 02:00:26	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	12968	No
GOM_TRA_1PNPDE20040823_020158_00000662029_00389_12968_0003.N1	23-AUG-2004 02:01:58	Dark	65.500	7	19Bet Ori	0.10000	14000.	131	12968	No
GOM_TRA_1PNPDE20040823_020513_00000432029_00389_12968_0004.N1	23-AUG-2004 02:05:13	Dark	42.500	117	Pi Pup	2.7060	3800.0	85	12968	No
GOM_TRA_1PNPDE20040823_021014_00000472029_00389_12968_0005.N1	23-AUG-2004 02:10:14	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	12968	No
GOM_TRA_1PNPDE20040823_021810_00000582029_00390_12969_0006.N1	23-AUG-2004 02:18:10	Dark	57.500	157	The1Eri	2.9060	9300.0	115	12969	No
GOM_TRA_1PNPDE20040823_022120_00000592029_00390_12969_0007.N1	23-AUG-2004 02:21:20	Dark	58.500	9	Alp Eri	0.45300	24000.	117	12969	No
GOM_TRA_1PNPDE20040823_022717_00000582029_00390_12969_0008.N1	23-AUG-2004 02:27:17	Twilight	57.500	84	Alp Phe	2.3970	4500.0	115	12969	No
GOM_TRA_1PNPDE20040823_023005_00000462029_00390_12969_0009.N1	23-AUG-2004 02:30:05	Bright	46.000	31	Alp Gru	1.7340	15200.	92	12969	No
GOM_TRA_1PNPDE20040823_023404_00000542029_00390_12969_0010.N1	23-AUG-2004 02:34:04	Bright	54.000	18	24Alp PsA	1.1660	9700.0	108	12969	No
GOM_TRA_1PNPDE20040823_023918_00000472029_00390_12969_0011.N1	23-AUG-2004 02:39:18	Bright	47.000	142	49Del Cap	2.8500	8900.0	94	12969	No
GOM_TRA_1PNPDE20040823_024235_00000422029_00390_12969_0012.N1	23-AUG-2004 02:42:35	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	12969	No
GOM_TRA_1PNPDE20040823_024419_00000452029_00390_12969_0013.N1	23-AUG-2004 02:44:19	Bright	45.000	162	34Alp Aqr	2.9440	5350.0	90	12969	No
GOM_TRA_1PNPDE20040823_024723_00000442029_00390_12969_0014.N1	23-AUG-2004 02:47:23	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	12969	No
GOM_TRA_1PNPDE20040823_025131_00000592029_00390_12969_0015.N1	23-AUG-2004 02:51:31	Bright	58.500	90	54Alp Peg	2.4870	11000.	117	12969	No
GOM_TRA_1PNPDE20040823_031534_00000402029_00390_12969_0000.N1	23-AUG-2004 03:15:34	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	12969	No
GOM_TRA_1PNPDE20040823_031809_00000632029_00390_12969_0001.N1	23-AUG-2004 03:18:09	Bright	63.000	35	33Alp Per	1.7950	6250.0	126	12969	No
GOM_TRA_1PNPDE20040823_032316_000002552029_00390_12969_0002.N1	23-AUG-2004 03:23:16	Twilight	255.00	173	4Bet Tri	3.0040	8900.0	510	12969	No
GOM_TRA_1PNPDE20040823_032851_00000602029_00390_12969_0003.N1	23-AUG-2004 03:28:51	Twilight	60.000	28	12Bet Tau	1.6500	15200.	120	12969	No
GOM_TRA_1PNPDE20040823_033143_00000492029_00390_12969_0004.N1	23-AUG-2004 03:31:43	Twilight	49.000	44	24Gam Gem	1.9280	11000.	98	12969	No
GOM_TRA_1PNPDE20040823_033539_00000652029_00390_12969_0005.N1	23-AUG-2004 03:35:39	Twilight	65.000	14	58Alp Ori	0.87000	3000.0	130	12969	No
GOM_TRA_1PNPDE20040823_033715_00000622029_00390_12969_0006.N1	23-AUG-2004 03:37:15	Dark	61.500	27	24Gam Ori	1.6360	26000.	123	12969	No
GOM_TRA_1PNPDE20040823_033912_00000552029_00390_12969_0007.N1	23-AUG-2004 03:39:12	Dark	55.000	30	46Eps Ori	1.6940	30000.	110	12969	No
GOM_TRA_1PNPDE20040823_034104_00000482029_00390_12969_0008.N1	23-AUG-2004 03:41:04	Dark	48.000	1	9Alp CMa	-1.4400	11000.	96	12969	No
GOM_TRA_1PNPDE20040823_034235_00000752029_00390_12969_0009.N1	23-AUG-2004 03:42:35	Dark	74.500	7	19Bet Ori	0.10000	14000.	149	12969	No

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



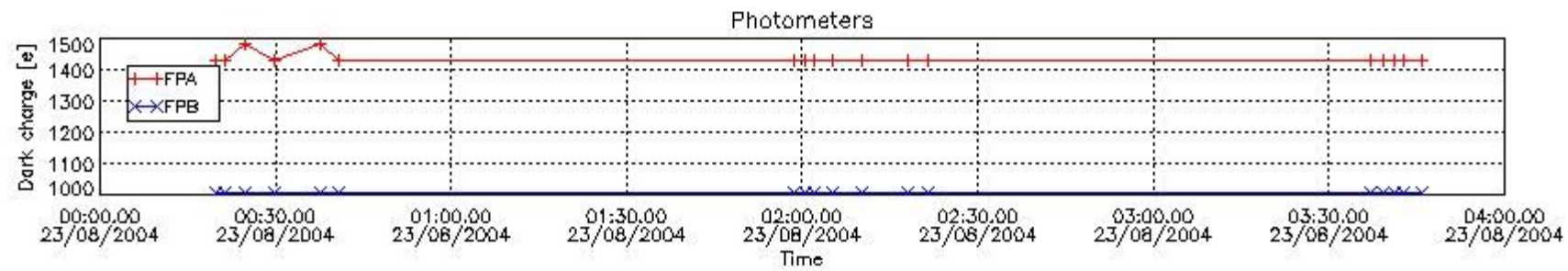
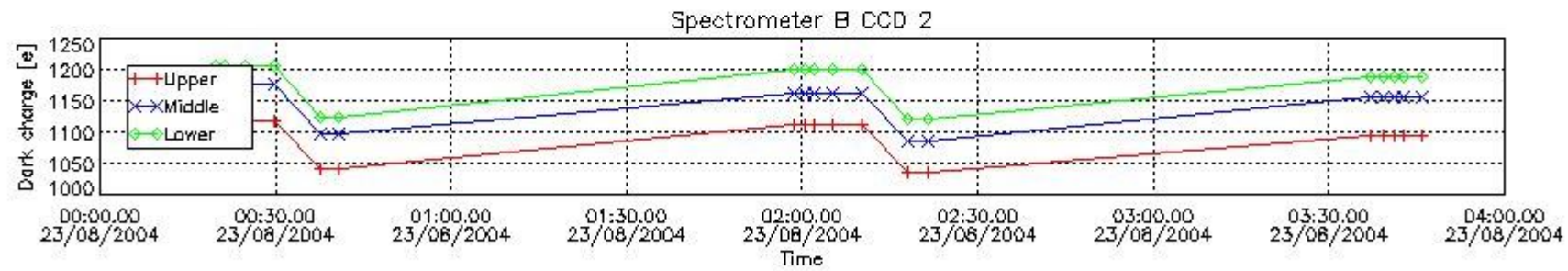
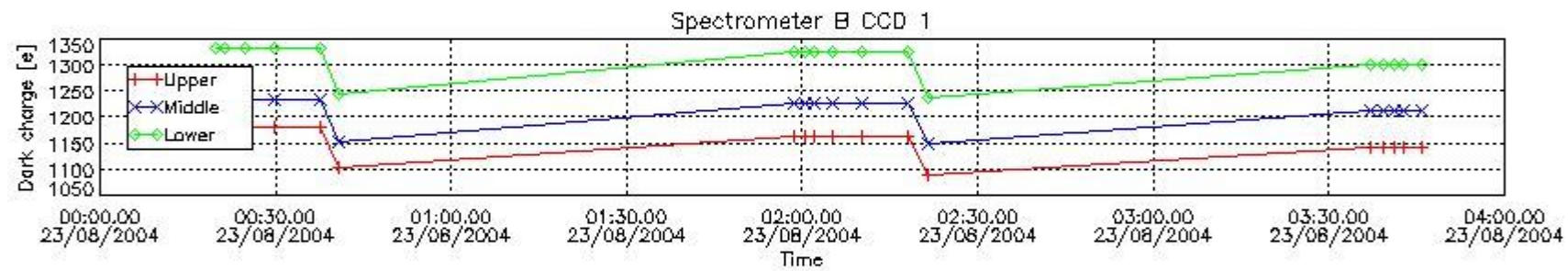
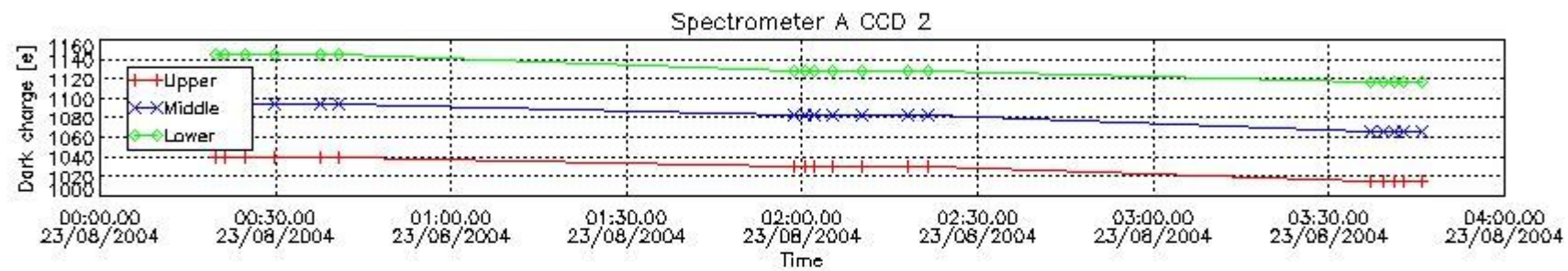
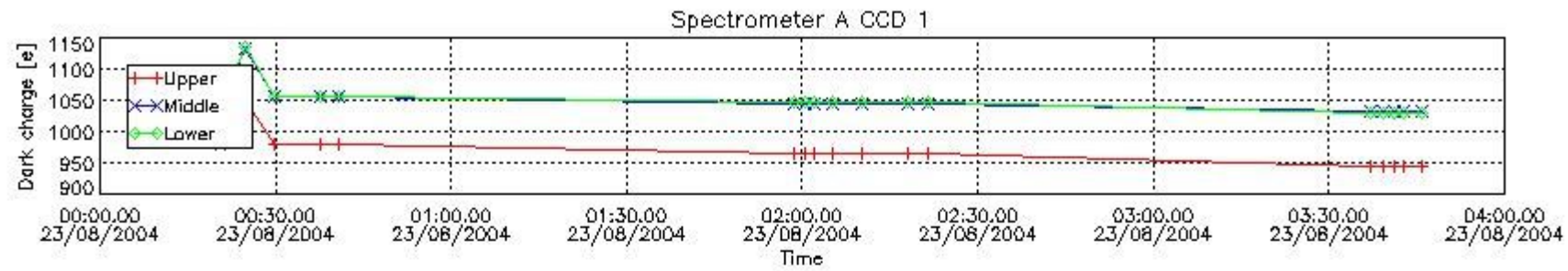
4. Overview of dark signal processing per product

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



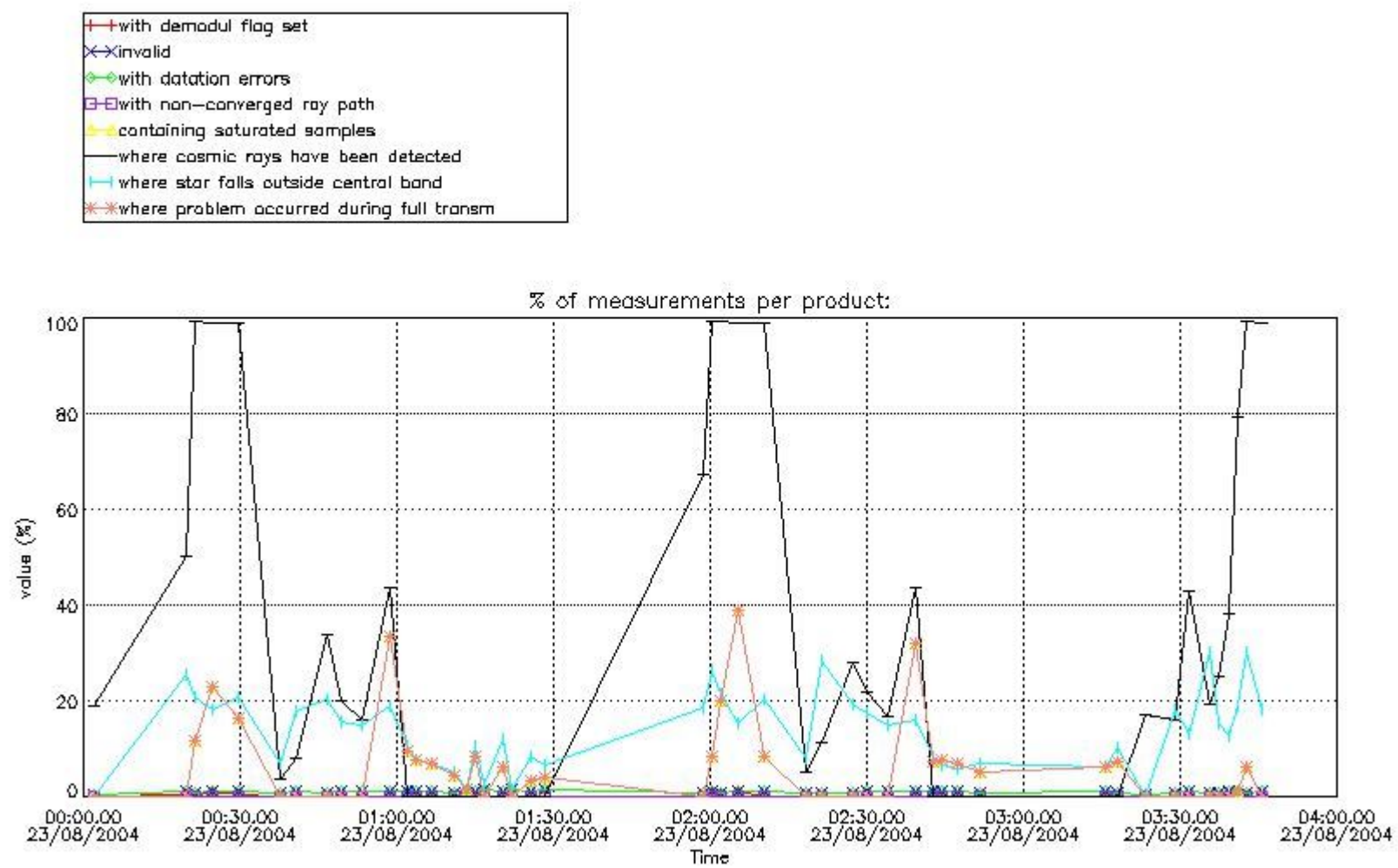
5. Demodulation flag and quality information monitoring

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.

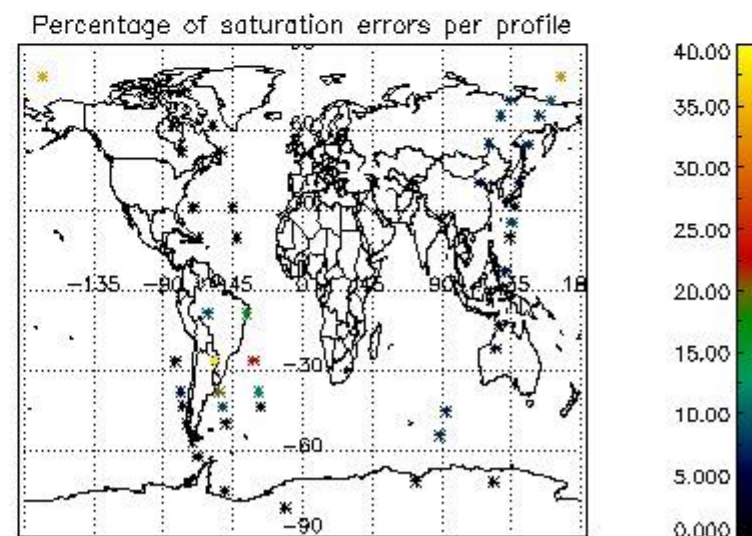
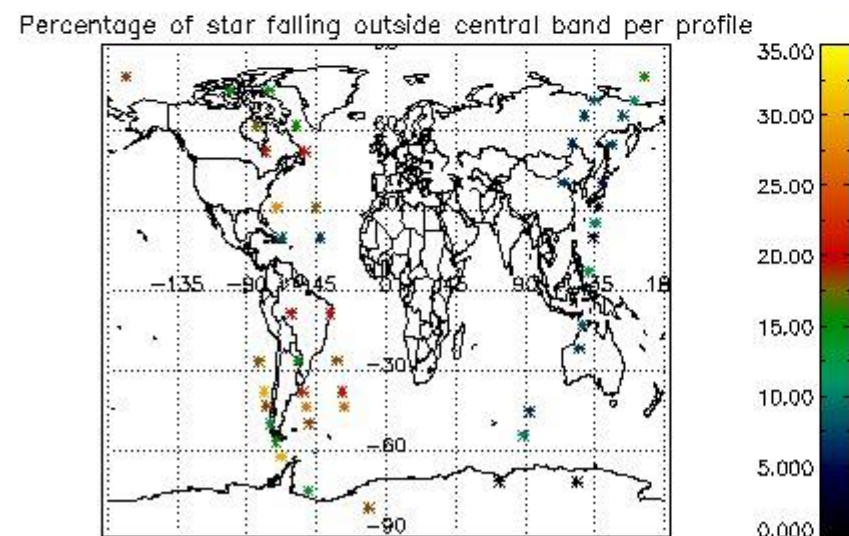
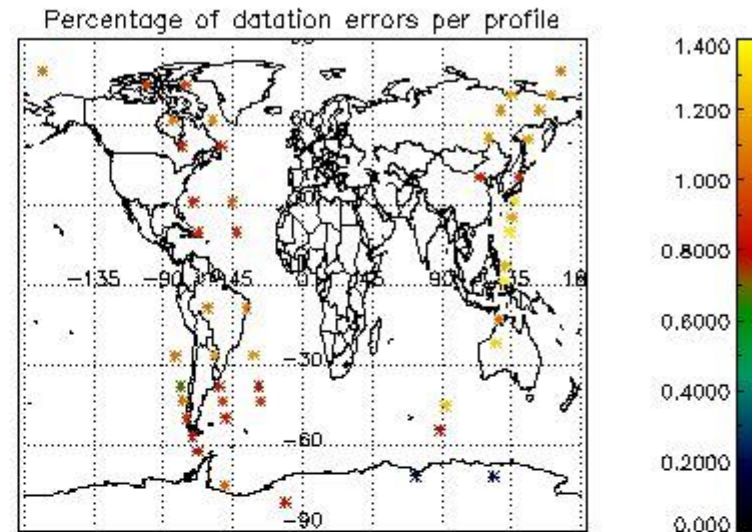
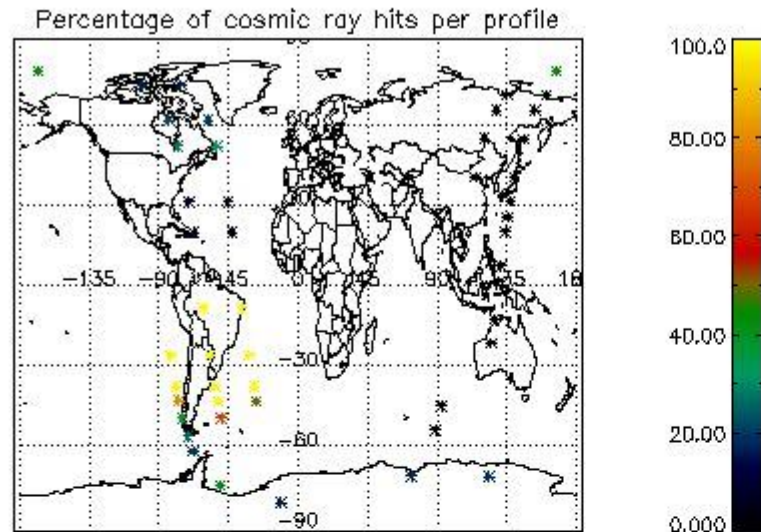
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	31.2500 %
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)



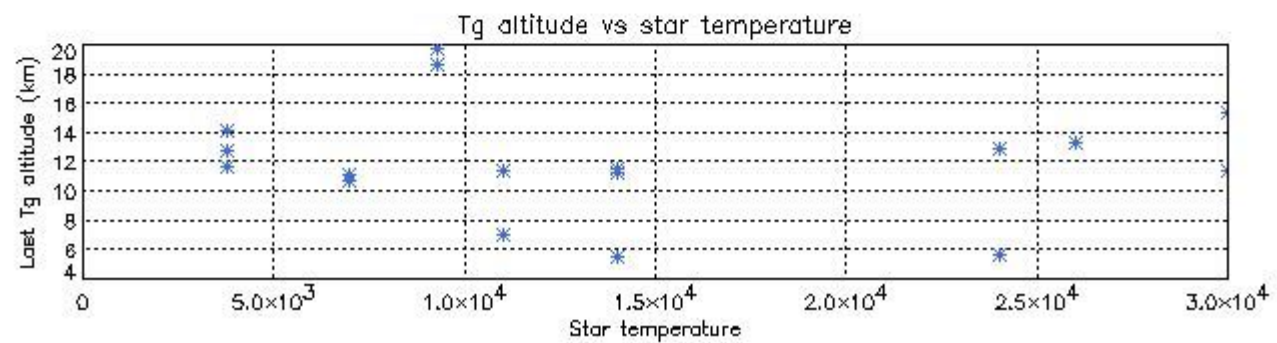
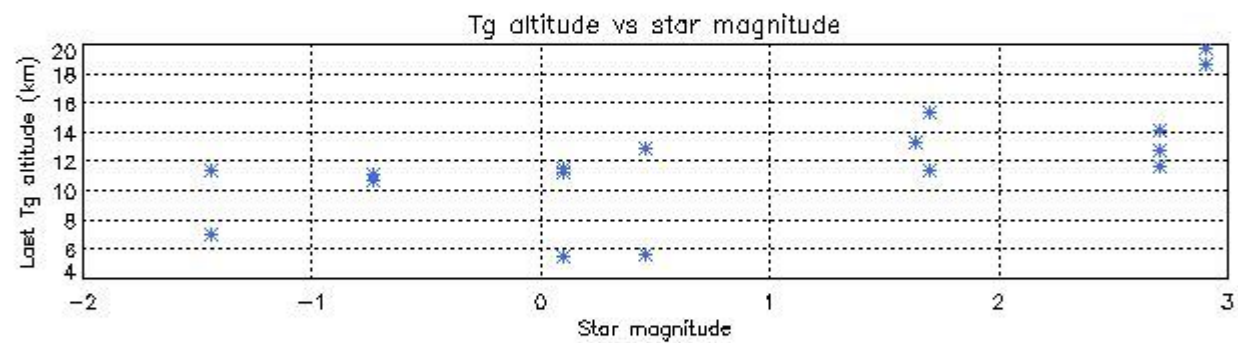
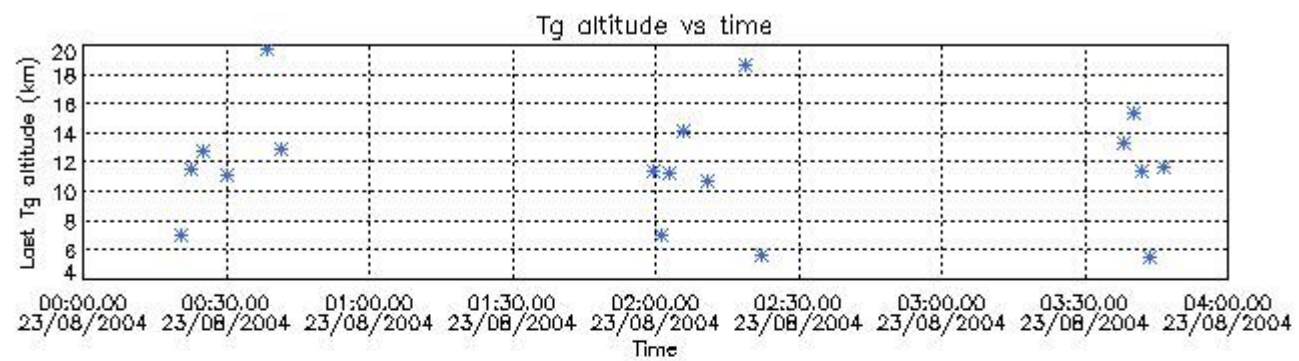
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	11.720	18.596	24.346
St. deviation:	3.8916	3.9767	22.760
Maximum:	19.742	28.589	57.511
Minimum:	5.5038	12.334	6.1359
Number of data:	18.000	23.000	7.0000

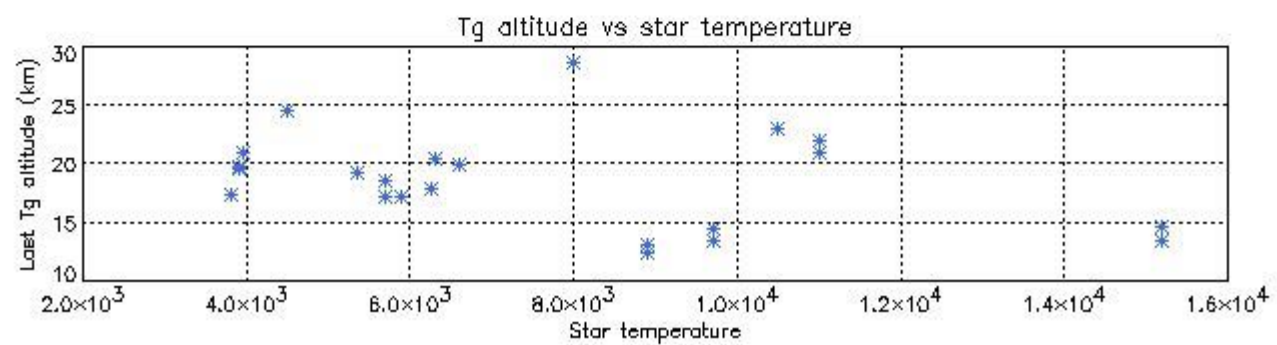
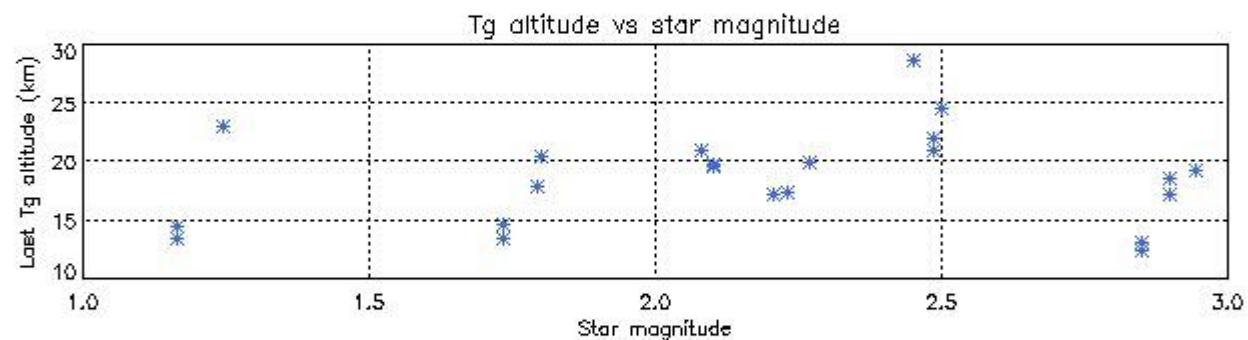
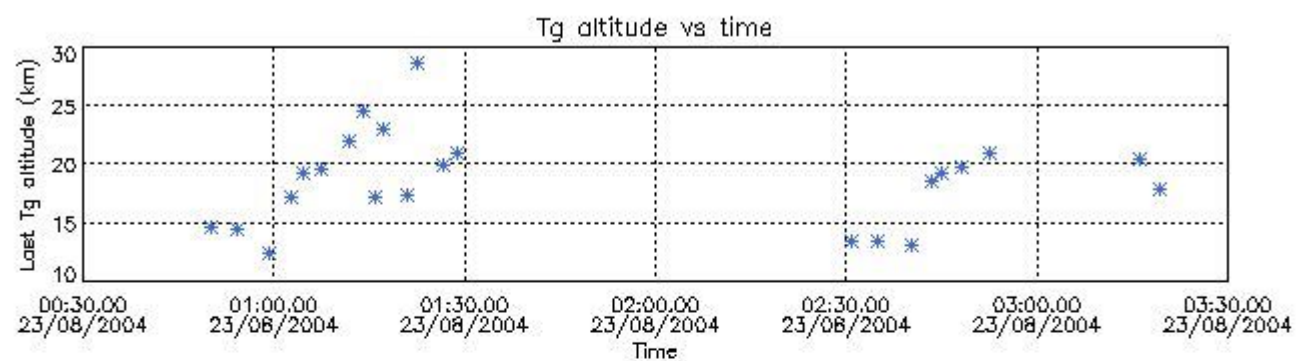
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



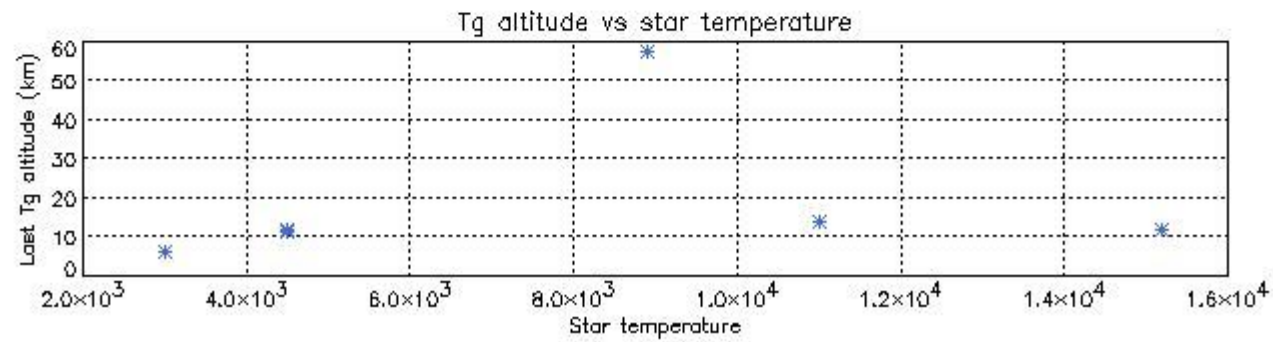
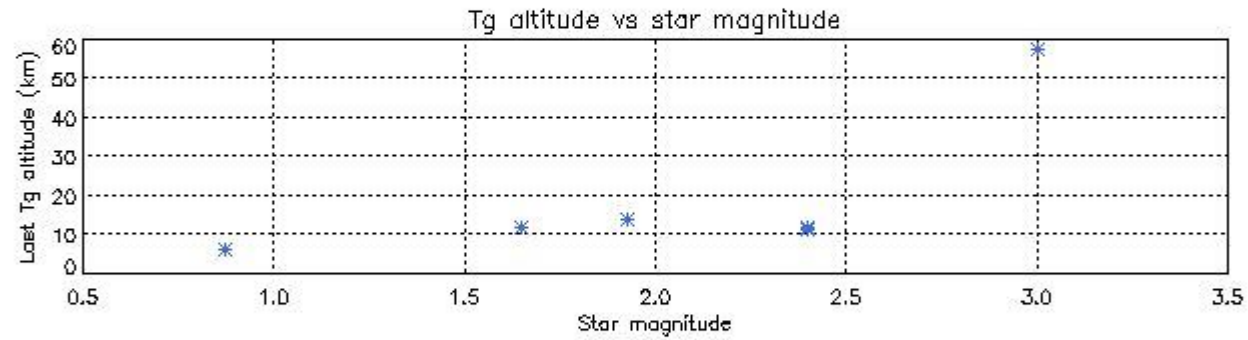
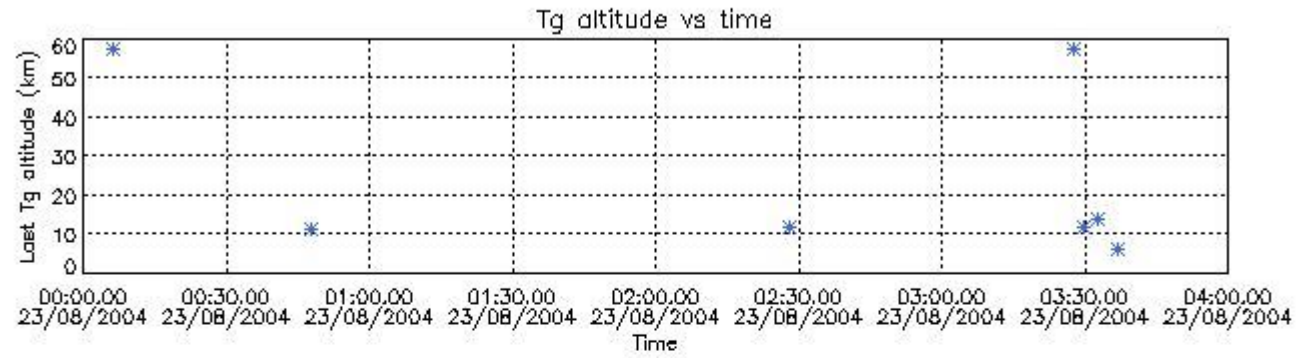
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

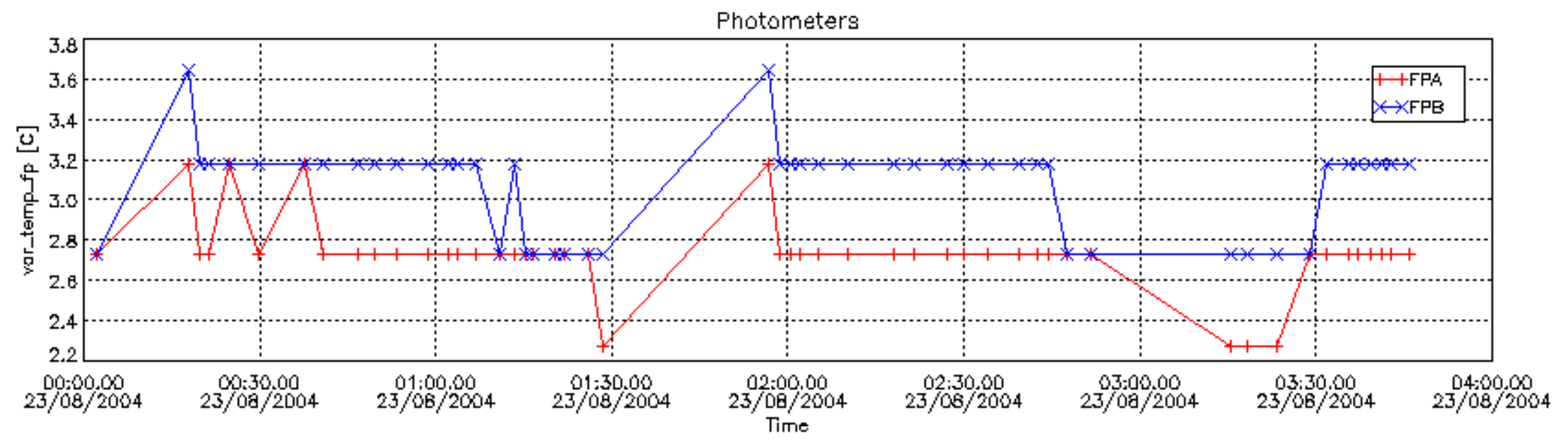
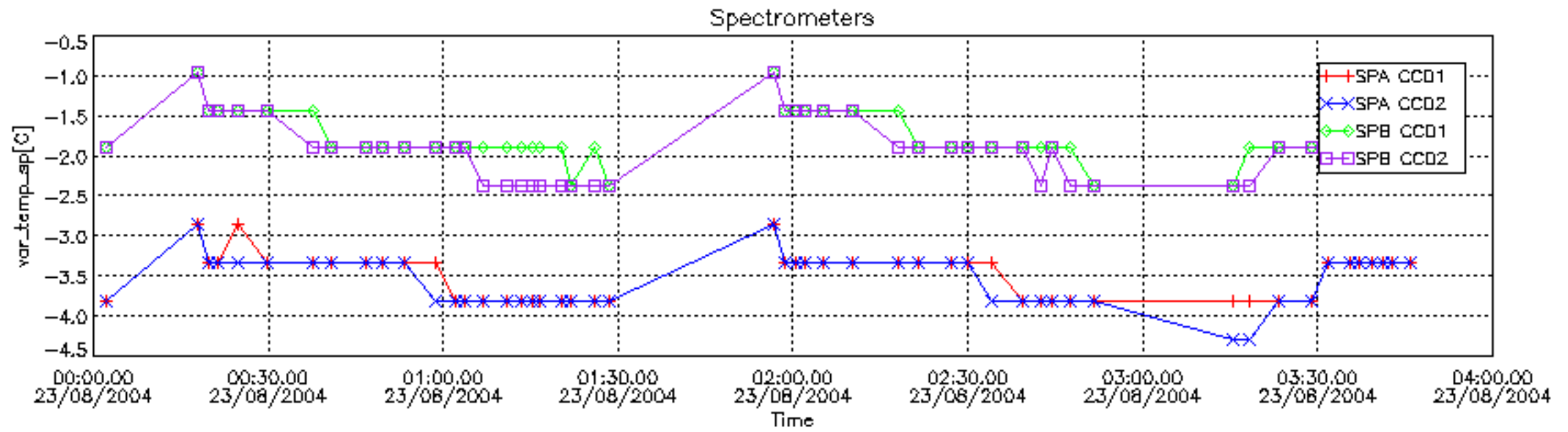
Tangent altitude at which the star is lost

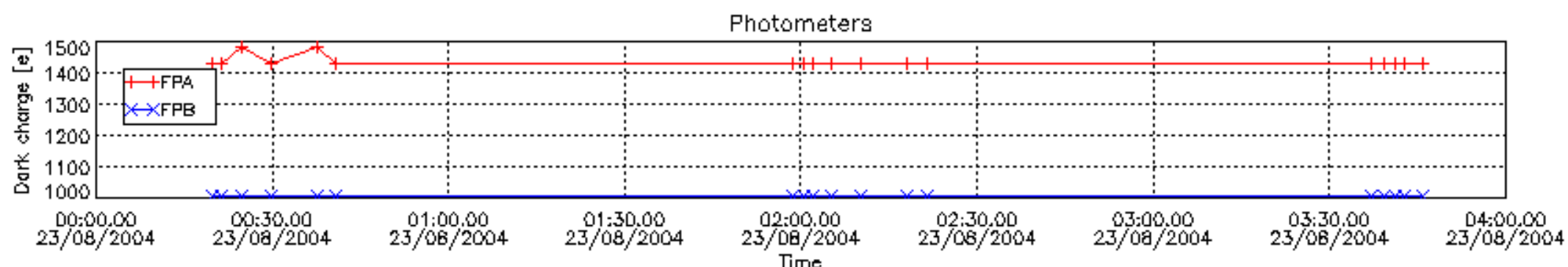
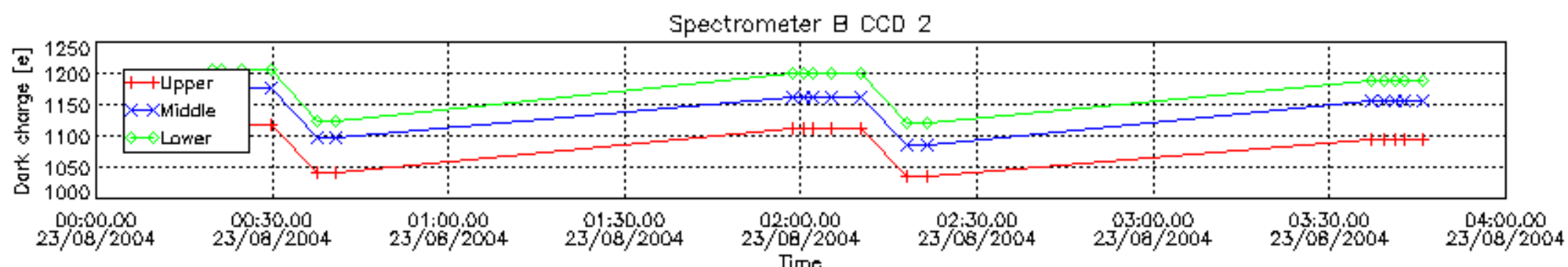
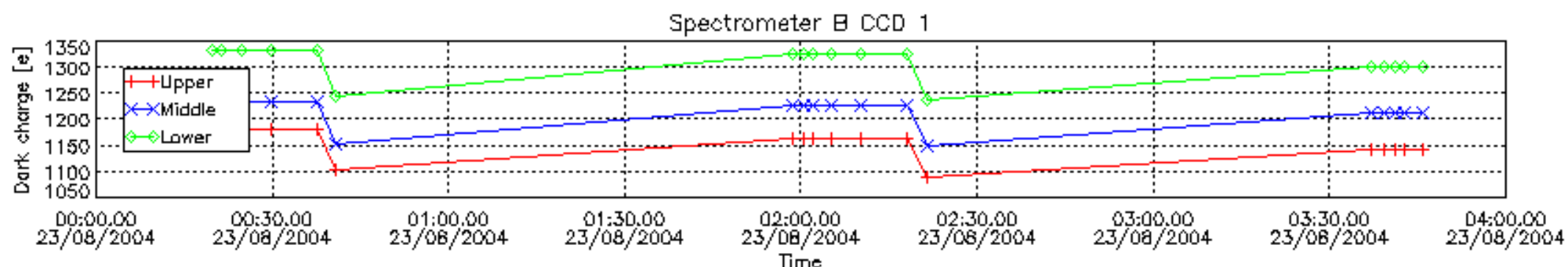
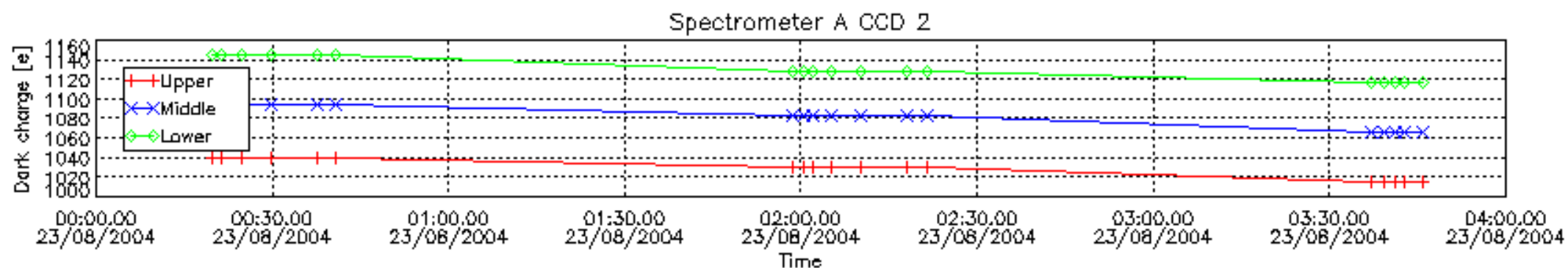
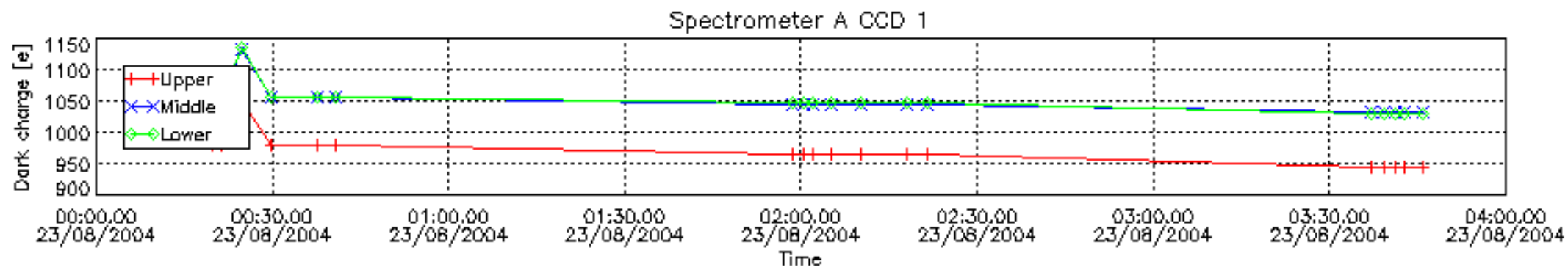


7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

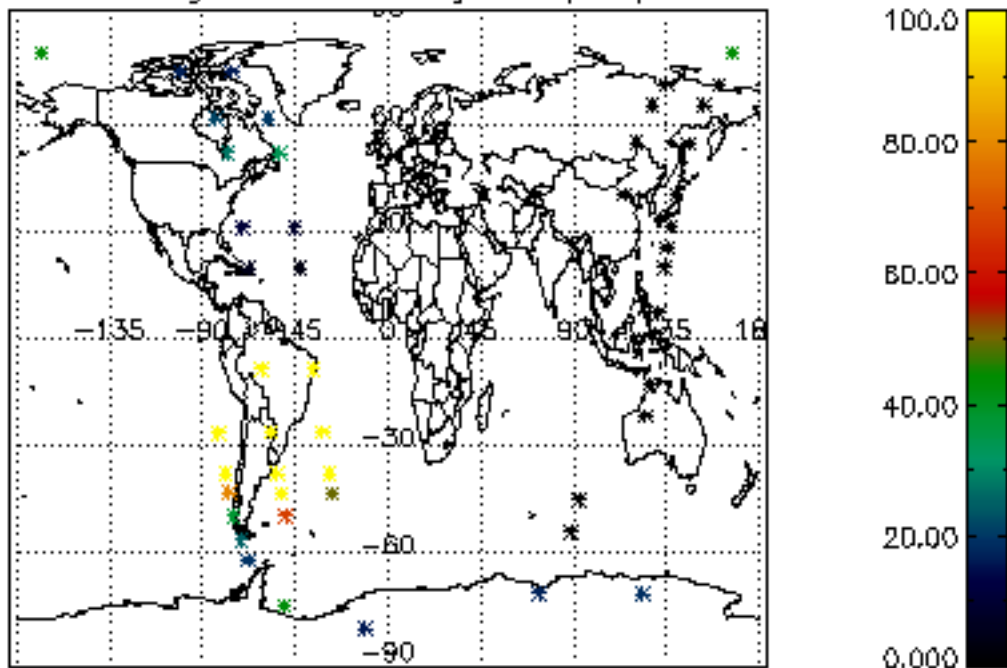
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: 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:	1461.6	1447.2	1462.0	1447.2
St. deviation:	3.2534	4.6224	6.0820	6.6224
Maximum:	1495.0	1556.0	1508.0	1486.0
Minimum:	1450.0	1425.0	1444.0	1433.0
Number of data:	24700.	24700.	27950.	27950.

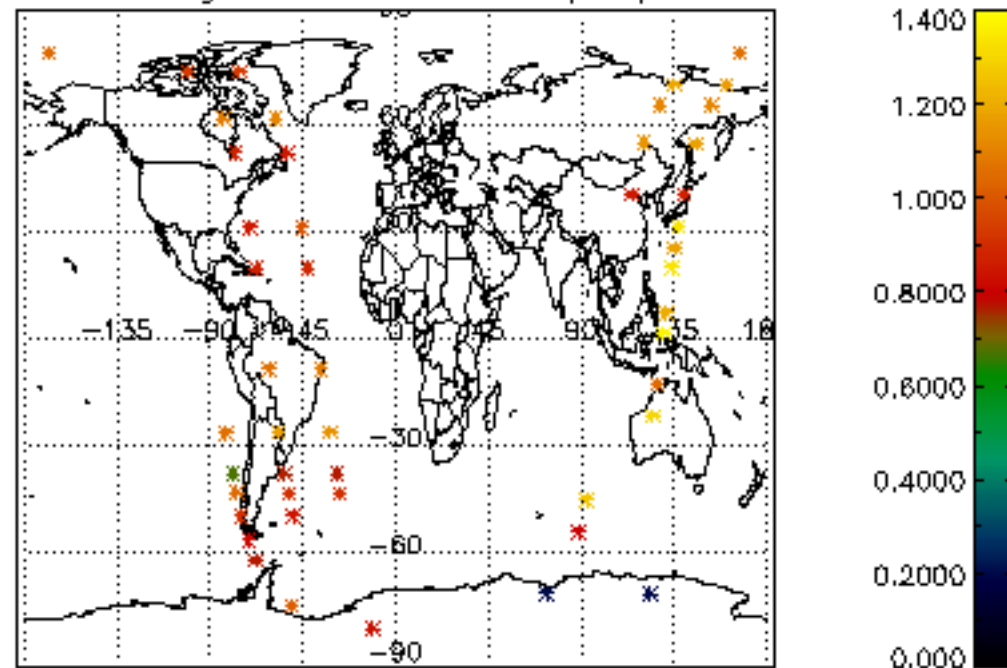




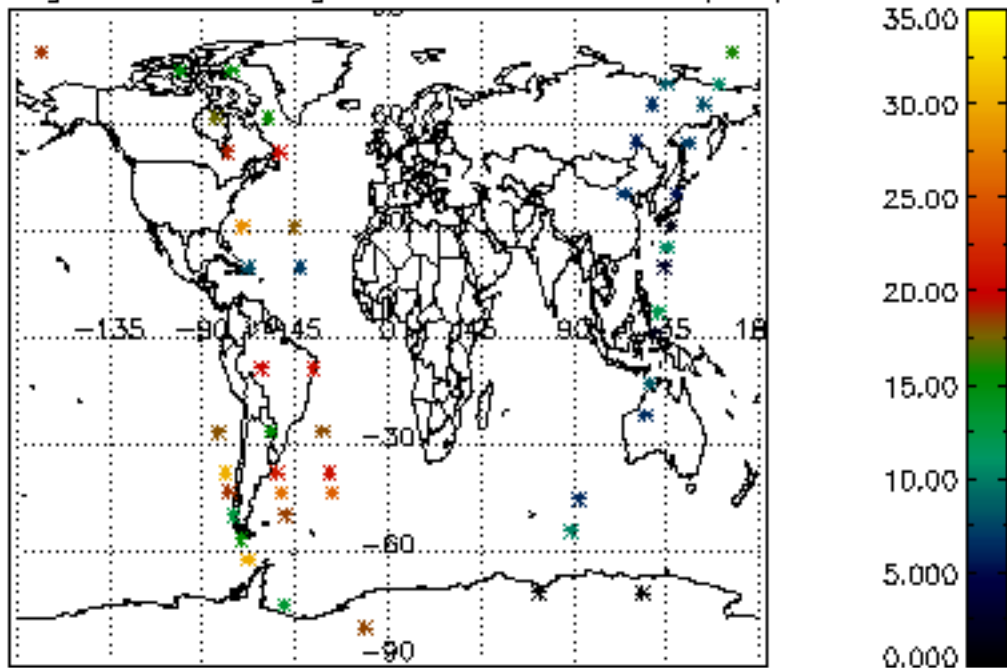
Percentage of cosmic ray hits per profile



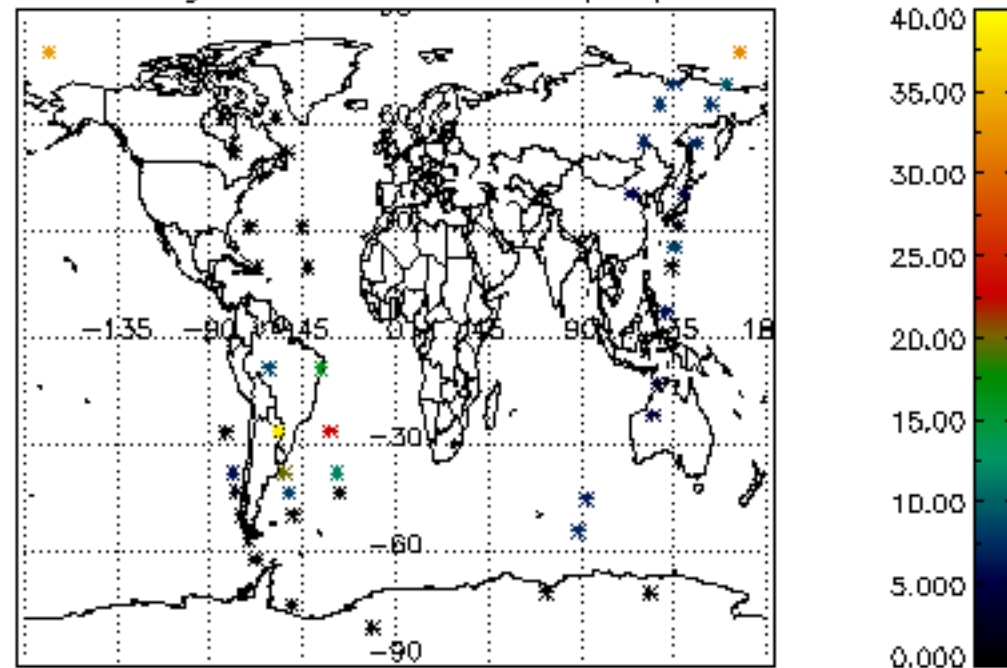
Percentage of datation errors per profile



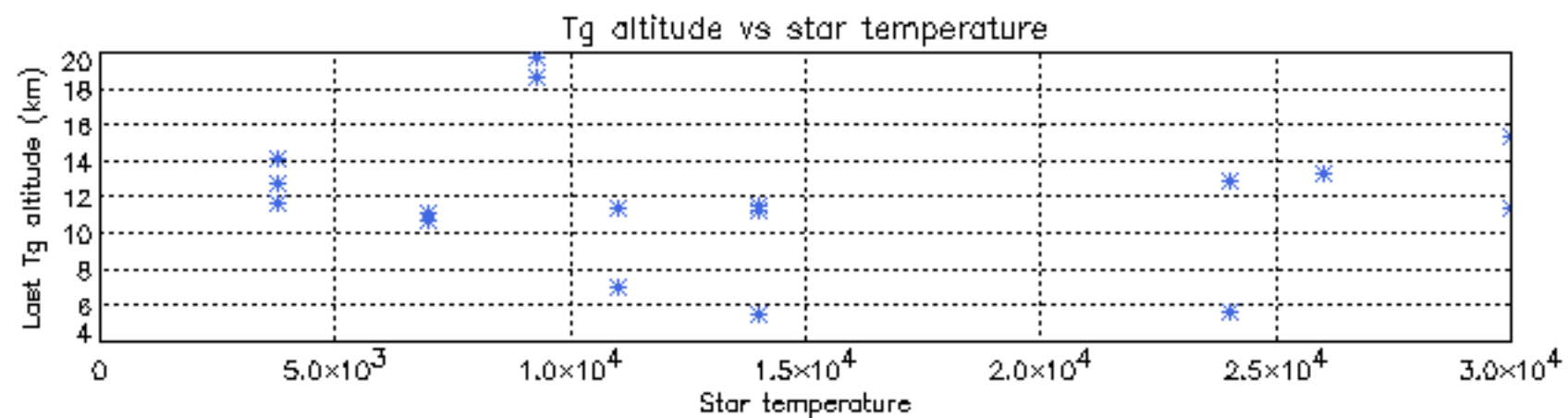
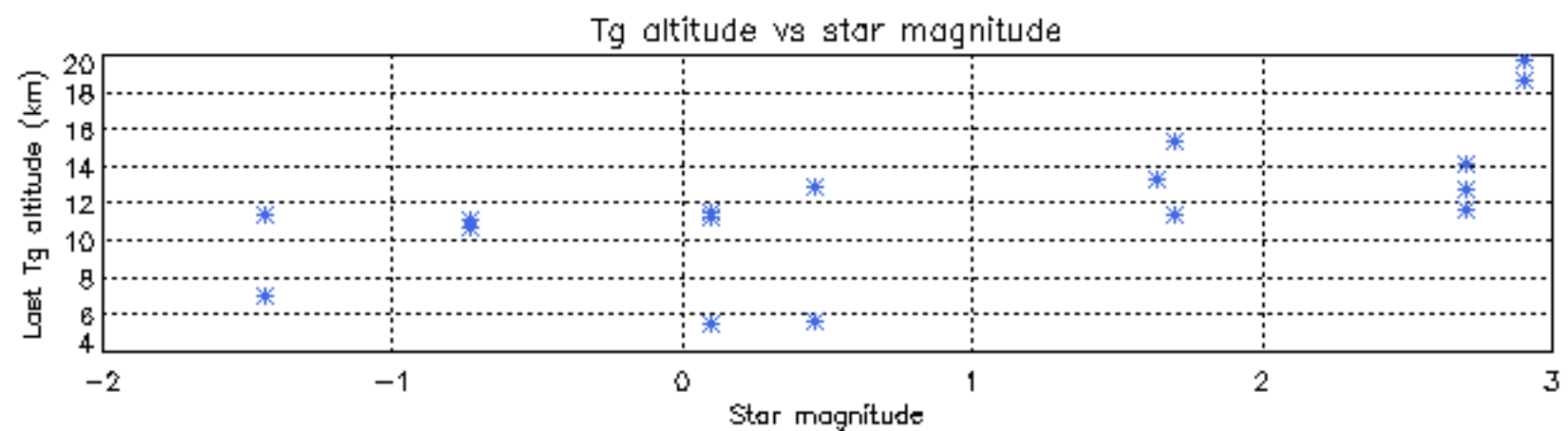
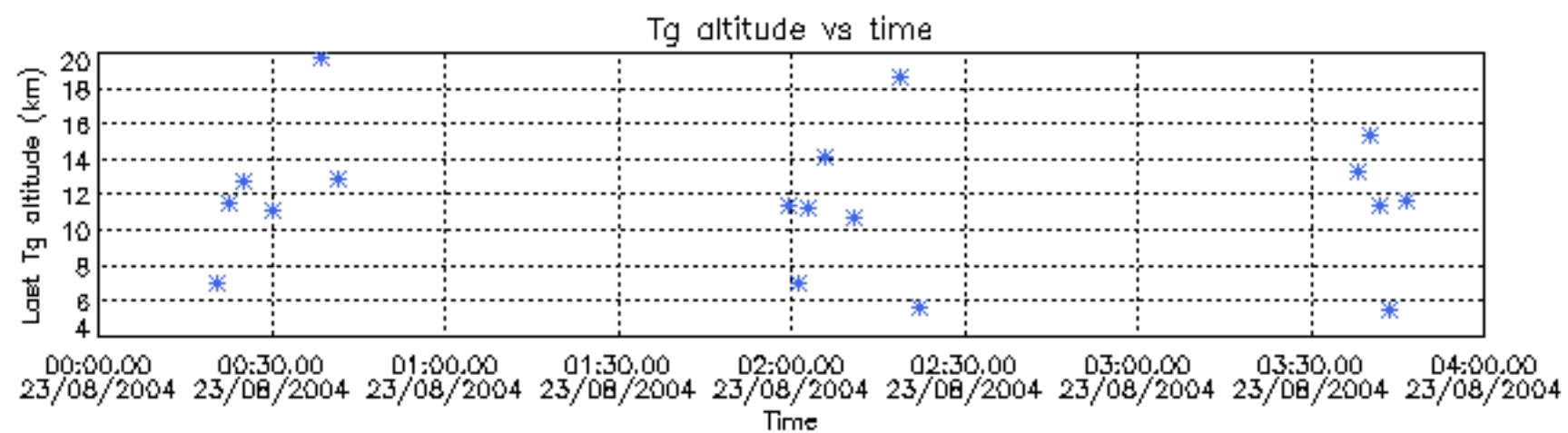
Percentage of star falling outside central band per profile



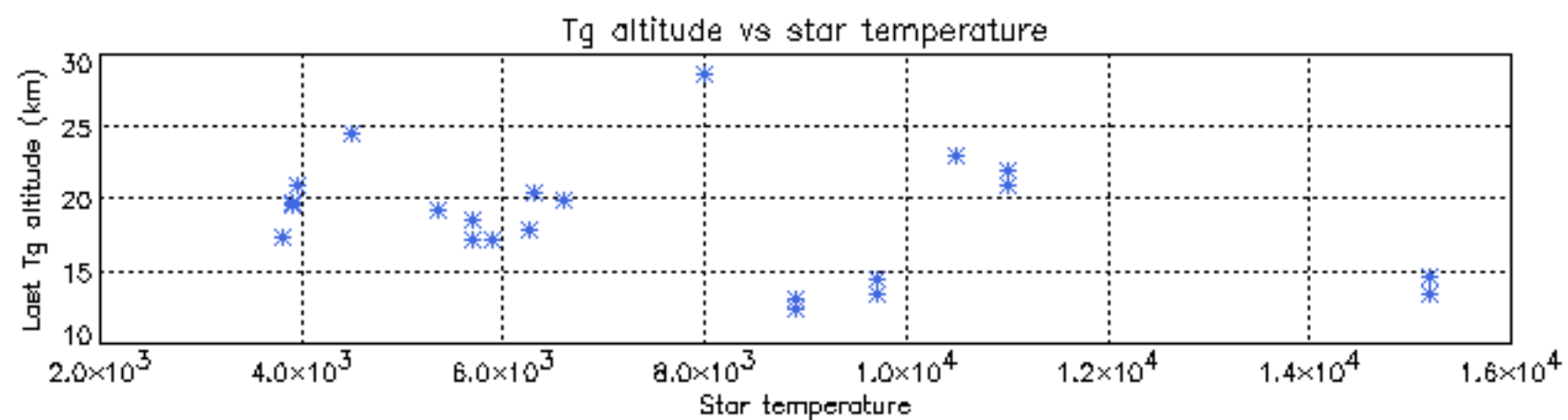
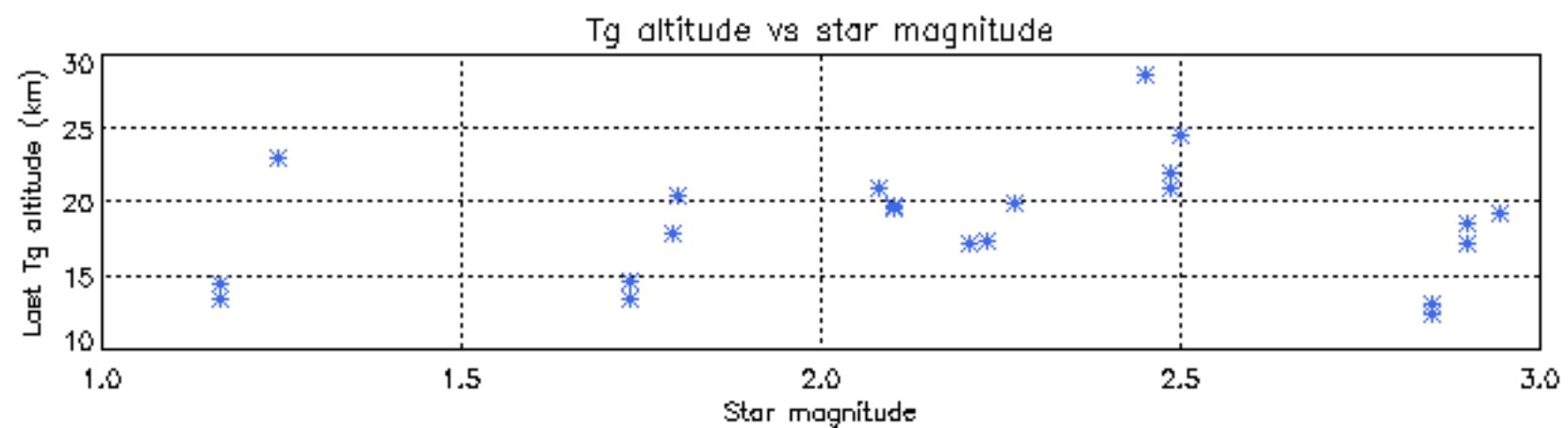
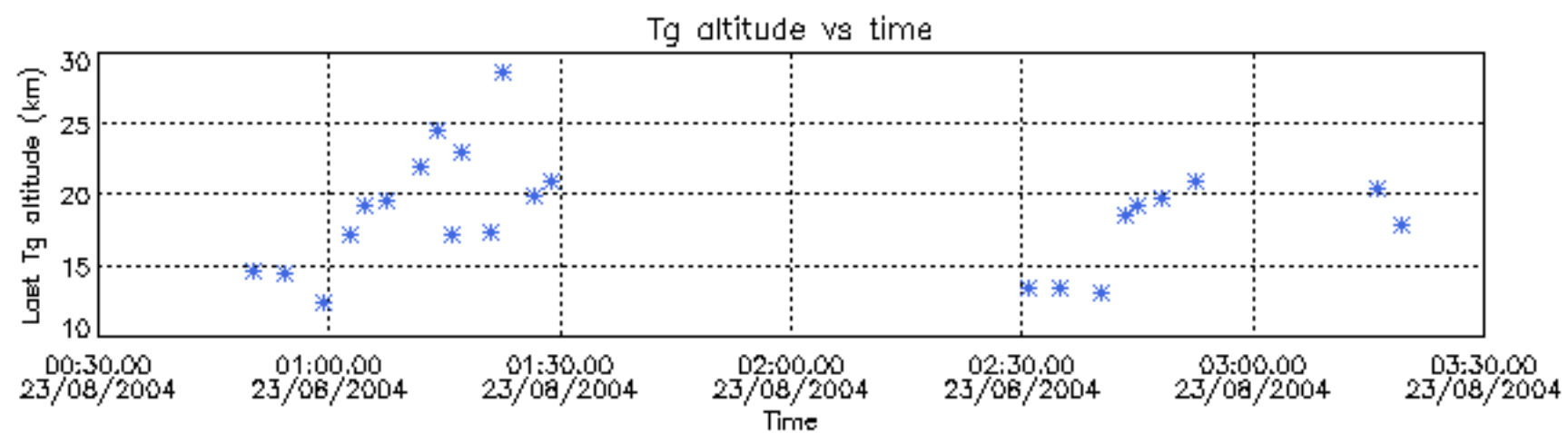
Percentage of saturation errors per profile



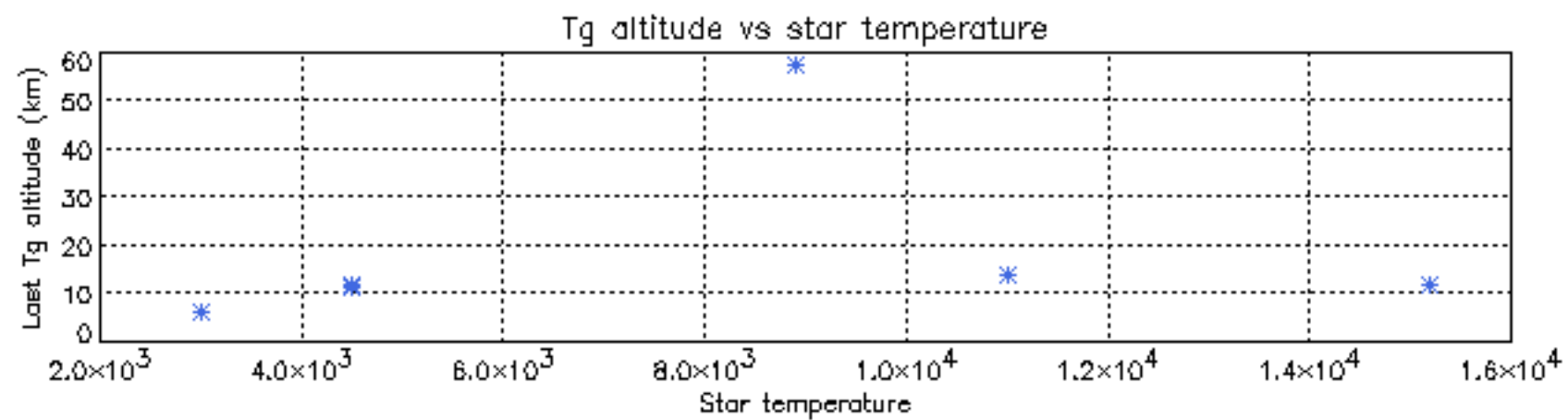
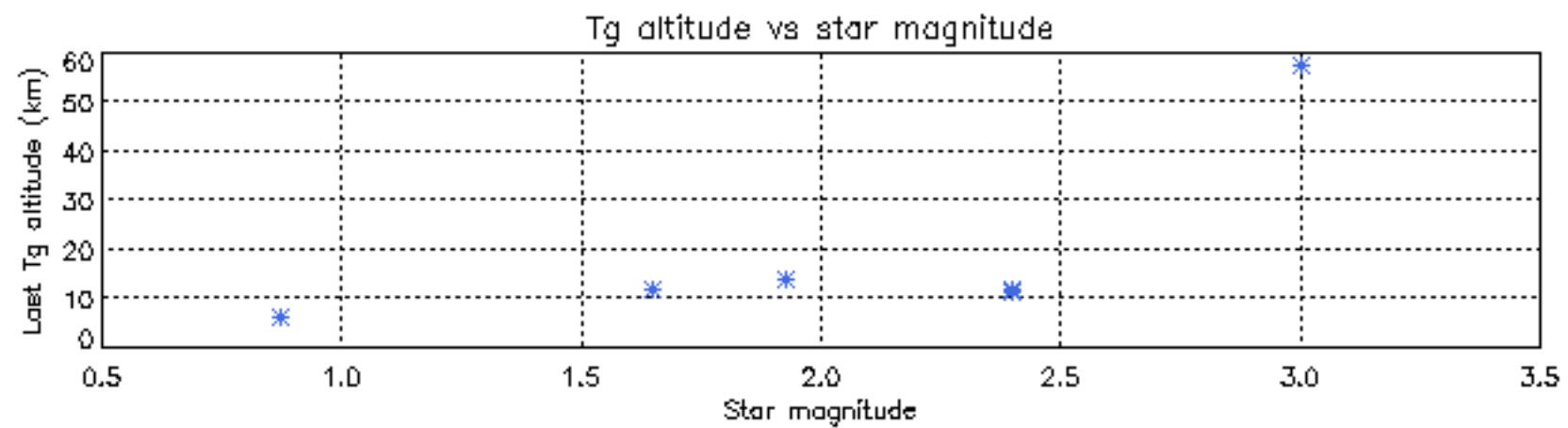
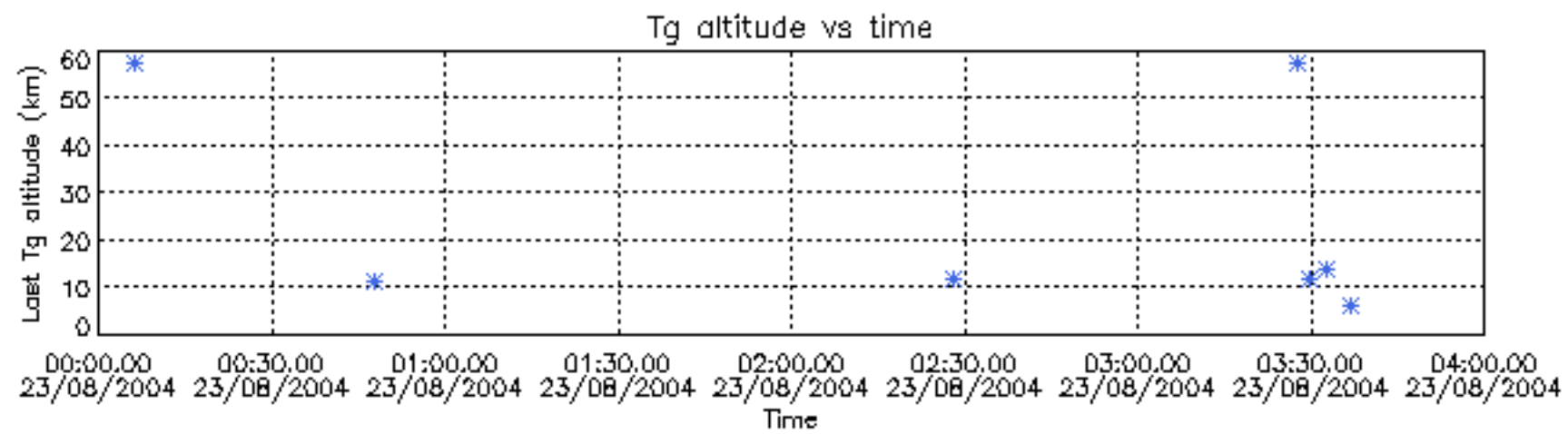
Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



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12;-1895.3; 02-AUG-2004 09:23:49; Bright; 85.0; 73; 57Gam1And ; 2.26; 13100;occ; 170; 0;12672
13;-1736.6; 02-AUG-2004 09:26:28; Dark ; 255.0; 53; 43Bet And ; 2.05; 3300;occ; 510; 0;12672
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15;-1238.0; 02-AUG-2004 09:34:47; Dark ; 59.5; 13; 87Alp Tau ; 0.87; 3800;occ; 119; 0;12672
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18; -924.0; 02-AUG-2004 09:40:01; Dark ; 41.0; 125; 44Iot Ori ; 2.77; 30000;occ; 82; 0;12672
19; -811.7; 02-AUG-2004 09:41:53; Dark ; 47.5; 1; 9Alp CMa ; -1.44; 11000;occ; 95; 0;12672
20; -724.4; 02-AUG-2004 09:43:20; Dark ; 43.0; 101; 11Alp Lep ; 2.58; 7000;occ; 86; 0;12672
21; -566.9; 02-AUG-2004 09:45:58; Dark ; 59.5; 165; 34Gam Eri ; 2.95; 3200;occ; 119; 0;12672
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
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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
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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
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12;-1895.9; 02-AUG-2004 11:04:25; Bright; 88.5; 73; 57Gam1And ; 2.26; 13100;occ; 177; 0;12673
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14;-1392.7; 02-AUG-2004 11:12:48; Dark ; 39.5; 176; 23Zet Tau ; 3.02; 22000;occ; 79; 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
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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
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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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 2;-4219.5; 02-AUG-2004 13:46:53; Bright; 51.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 103; 0;12675
 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
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 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
 32;-144767876.1; 01-JAN-2000 01:39:16; Dark ; 68.0; 18; 24Alp PsA ; 1.17; 9700;occ; 136; 36;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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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
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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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24; 3948.7; 05-AUG-2004 22:51:09; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;12723
25; 4055.1; 05-AUG-2004 22:52:56; Bright; 51.0; 35; 33Alp Per ; 1.79; 6250;occ; 102; 0;12723
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4; -607.6; 05-AUG-2004 23:15:49; Dark ; 41.0; 23; 21Eps CMA ; 1.50; 26000;occ; 82; 0;12723
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3; -4226.9; 05-AUG-2004 15:33:06; Bright; 51.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 102; 0;12719
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12;-2257.9; 23-AUG-2004 13:19:11; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;12975
13;-2107.6; 23-AUG-2004 13:21:41; Bright; 62.5; 35; 33Alp Per ; 1.79; 6250;occ; 125; 0;12975
14;-1809.6; 23-AUG-2004 13:26:39; Dark ; 255.0; 173; 4Bet Tri ; 3.00; 8900;occ; 510; 0;12975
15;-1460.4; 23-AUG-2004 13:32:28; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;12975

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16;	-1286.0;	23-AUG-2004	13:35:23;	Dark	;	42.0;	44;	24Gam	Gem	;	1.93;	11000;	occ;	84;	0;	12975
17;	-1194.6;	23-AUG-2004	13:36:54;	Dark	;	38.5;	153;	3Bet	CMi	;	2.89;	13100;	occ;	77;	0;	12975
18;	-1049.9;	23-AUG-2004	13:39:19;	Dark	;	60.5;	14;	58Alp	Ori	;	0.87;	3000;	occ;	121;	0;	12975
19;	-953.0;	23-AUG-2004	13:40:56;	Dark	;	63.5;	27;	24Gam	Ori	;	1.64;	26000;	occ;	127;	0;	12975
20;	-836.6;	23-AUG-2004	13:42:52;	Dark	;	56.5;	30;	46Eps	Ori	;	1.69;	30000;	occ;	113;	0;	12975
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