

GOMOS Daily Report 14-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	17AUG2004 05:05:33
Data source version	GOMOS/4.02
Start time of products	QDS_TODAY(/START)-3D (14AUG2004 00:00:00)
Stop time of products	QDS_TODAY(/STOP)-3D (15AUG2004 00:00:00)

Store outputs flag	1
Nb of level 1b prods	49
Nb of prods with errors	1

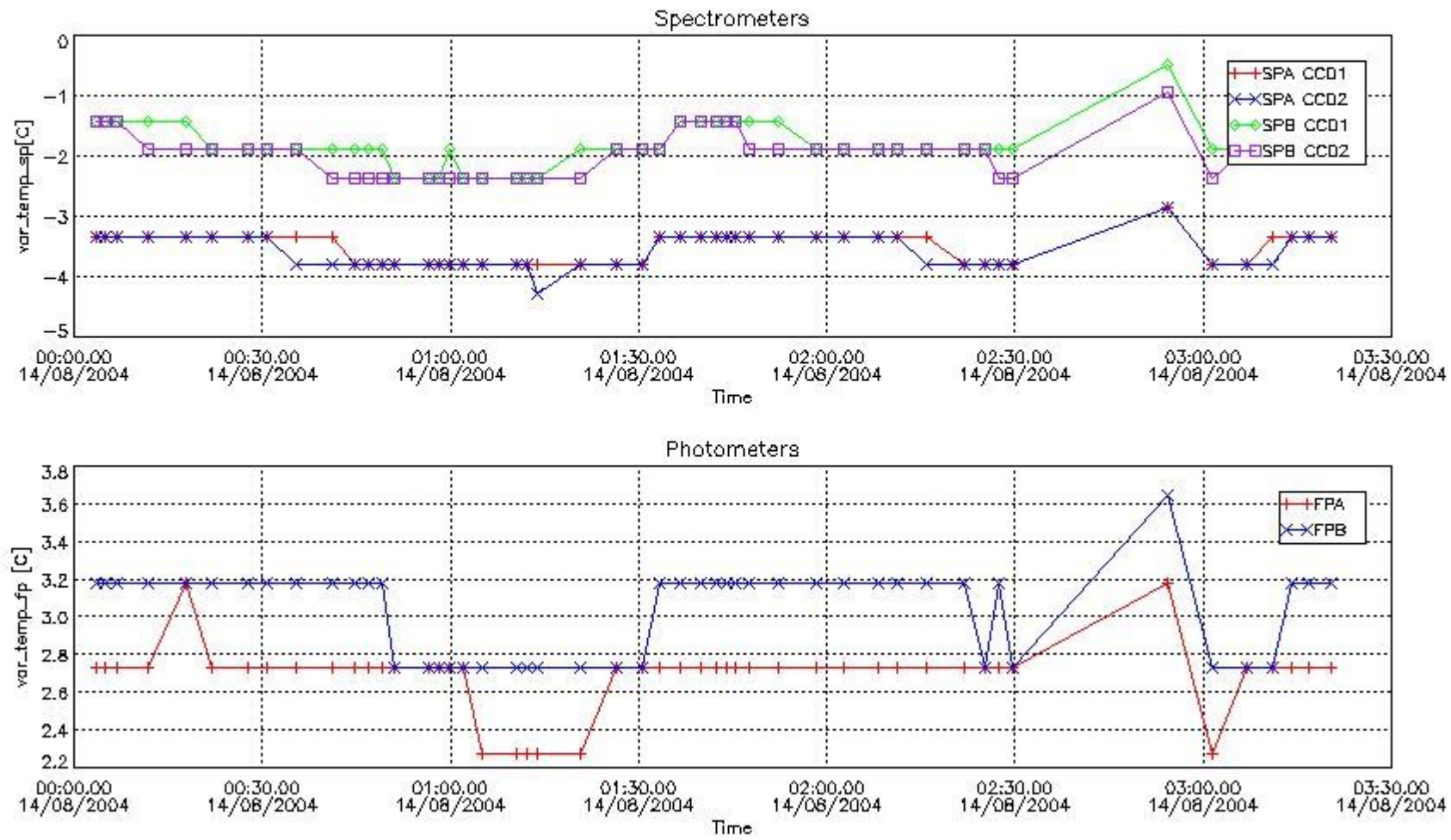
2. Summary of products arrived in PCF (Product Control Facility)

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

2.2 Summary of processed GOM_TRA_1P products

Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
GOM_TRA_1PNPDE20040814_000329_000000402029_00259_12838_0000.N1	14-AUG-2004 00:03:29	Dark	40.000	179	24Omi2CMa	3.0320	24000.	80	12838	No
GOM_TRA_1PNPDE20040814_000454_000000442029_00259_12838_0001.N1	14-AUG-2004 00:04:54	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	12838	No
GOM_TRA_1PNPDE20040814_000659_000000442029_00259_12838_0002.N1	14-AUG-2004 00:06:59	Dark	43.500	117	Pi Pup	2.7060	3800.0	87	12838	No
GOM_TRA_1PNPDE20040814_001146_000000522029_00259_12838_0003.N1	14-AUG-2004 00:11:46	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	12838	No
GOM_TRA_1PNPDE20040814_001744_000000532029_00260_12839_0004.N1	14-AUG-2004 00:17:44	Dark	52.500	157	The1Eri	2.9060	9300.0	105	12839	No
GOM_TRA_1PNPDE20040814_002202_000000472029_00260_12839_0005.N1	14-AUG-2004 00:22:02	Dark	47.000	9	Alp Eri	0.45300	24000.	94	12839	No
GOM_TRA_1PNPDE20040814_002742_000000682029_00260_12839_0006.N1	14-AUG-2004 00:27:42	Twilight	68.000	84	Alp Phe	2.3970	4500.0	136	12839	No
GOM_TRA_1PNPDE20040814_003036_000000412029_00260_12839_0007.N1	14-AUG-2004 00:30:36	Twilight	41.000	45	Alp Pav	1.9400	26000.	82	12839	No
GOM_TRA_1PNPDE20040814_003522_000000622029_00260_12839_0008.N1	14-AUG-2004 00:35:22	Bright	62.000	18	24Alp PsA	1.1660	9700.0	124	12839	No
GOM_TRA_1PNPDE20040814_004111_000000512029_00260_12839_0009.N1	14-AUG-2004 00:41:11	Bright	50.500	142	49Del Cap	2.8500	8900.0	101	12839	No
GOM_TRA_1PNPDE20040814_004444_000000462029_00260_12839_0010.N1	14-AUG-2004 00:44:44	Bright	46.000	154	22Bet Aqr	2.8990	5700.0	92	12839	No
GOM_TRA_1PNPDE20040814_004654_000000522029_00260_12839_0011.N1	14-AUG-2004 00:46:54	Bright	52.000	162	34Alp Aqr	2.9440	5350.0	104	12839	No
GOM_TRA_1PNPDE20040814_004907_000000382029_00260_12839_0012.N1	14-AUG-2004 00:49:07	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	12839	No
GOM_TRA_1PNPDE20040814_005055_000000392029_00260_12839_0013.N1	14-AUG-2004 00:50:55	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	12839	No
GOM_TRA_1PNPDE20040814_005633_000000412029_00260_12839_0014.N1	14-AUG-2004 00:56:33	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	12839	No
GOM_TRA_1PNPDE20040814_005805_000000412029_00260_12839_0015.N1	14-AUG-2004 00:58:05	Bright	40.500	66	37Gam Cyg	2.2080	5900.0	81	12839	No
GOM_TRA_1PNPDE20040814_005945_000000392029_00260_12839_0016.N1	14-AUG-2004 00:59:45	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	12839	No
GOM_TRA_1PNPDE20040814_010209_000000412029_00260_12839_0017.N1	14-AUG-2004 01:02:09	Bright	40.500	69	33Gam Dra	2.2310	3800.0	81	12839	No
GOM_TRA_1PNPDE20040814_010508_000000412029_00260_12839_0018.N1	14-AUG-2004 01:05:08	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	12839	No
GOM_TRA_1PNPDE20040814_011027_000000352029_00260_12839_0019.N1	14-AUG-2004 01:10:27	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	12839	No
GOM_TRA_1PNPDE20040814_011203_000000382029_00260_12839_0020.N1	14-AUG-2004 01:12:03	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	12839	No
GOM_TRA_1PNPDE20040814_011346_000000492029_00260_12839_0021.N1	14-AUG-2004 01:13:46	Bright	49.000	110	37Del Cas	2.6780	8900.0	98	12839	No
GOM_TRA_1PNPDE20040814_012047_0000002552029_00260_12839_0022.N1	14-AUG-2004 01:20:47	Bright	255.00	53	43Bet And	2.0480	3300.0	510	12839	No
GOM_TRA_1PNPDE20040814_012624_000000582029_00260_12839_0023.N1	14-AUG-2004 01:26:24	Twilight	58.000	149	45Eps Per	2.8880	30000.	116	12839	No
GOM_TRA_1PNPDE20040814_013034_000000552029_00260_12839_0024.N1	14-AUG-2004 01:30:34	Twilight	55.000	28	12Bet Tau	1.6500	15200.	110	12839	No
GOM_TRA_1PNPDE20040814_013320_000000472029_00260_12839_0025.N1	14-AUG-2004 01:33:20	Twilight	46.500	44	24Gam Gem	1.9280	11000.	93	12839	No
GOM_TRA_1PNPDE20040814_013644_000000582029_00260_12839_0026.N1	14-AUG-2004 01:36:44	Twilight	58.000	14	58Alp Ori	0.87000	3000.0	116	12839	No
GOM_TRA_1PNPDE20040814_013954_000000492029_00260_12839_0027.N1	14-AUG-2004 01:39:54	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	12839	No
GOM_TRA_1PNPDE20040814_014227_000000502029_00260_12839_0001.N1	14-AUG-2004 01:42:27	Dark	50.000	1	9Alp CMa	-1.4400	11000.	100	12839	No
GOM_TRA_1PNPDE20040814_014403_000000432029_00260_12839_0002.N1	14-AUG-2004 01:44:03	Dark	42.500	179	24Omi2CMa	3.0320	24000.	85	12839	No
GOM_TRA_1PNPDE20040814_014531_000000462029_00260_12839_0003.N1	14-AUG-2004 01:45:31	Dark	45.500	23	21Eps CMa	1.5020	26000.	91	12839	No
GOM_TRA_1PNPDE20040814_014735_000000422029_00260_12839_0004.N1	14-AUG-2004 01:47:35	Dark	41.500	117	Pi Pup	2.7060	3800.0	83	12839	No
GOM_TRA_1PNPDE20040814_015222_000000522029_00260_12839_0005.N1	14-AUG-2004 01:52:22	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	12839	No
GOM_TRA_1PNPDE20040814_015821_000000542029_00261_12840_0006.N1	14-AUG-2004 01:58:21	Dark	53.500	157	The1Eri	2.9060	9300.0	107	12840	No
GOM_TRA_1PNPDE20040814_020239_000000502029_00261_12840_0007.N1	14-AUG-2004 02:02:39	Dark	50.000	9	Alp Eri	0.45300	24000.	100	12840	No
GOM_TRA_1PNPDE20040814_020817_000000612029_00261_12840_0008.N1	14-AUG-2004 02:08:17	Twilight	61.000	84	Alp Phe	2.3970	4500.0	122	12840	No
GOM_TRA_1PNPDE20040814_021113_000000402029_00261_12840_0009.N1	14-AUG-2004 02:11:13	Twilight	40.000	45	Alp Pav	1.9400	26000.	80	12840	No
GOM_TRA_1PNPDE20040814_021559_000000652029_00261_12840_0010.N1	14-AUG-2004 02:15:59	Bright	64.500	18	24Alp PsA	1.1660	9700.0	129	12840	No
GOM_TRA_1PNPDE20040814_022147_000000482029_00261_12840_0011.N1	14-AUG-2004 02:21:47	Bright	47.500	142	49Del Cap	2.8500	8900.0	95	12840	No
GOM_TRA_1PNPDE20040814_022520_000000462029_00261_12840_0012.N1	14-AUG-2004 02:25:20	Bright	46.000	154	22Bet Aqr	2.8990	5700.0	92	12840	No
GOM_TRA_1PNPDE20040814_022729_000000512029_00261_12840_0013.N1	14-AUG-2004 02:27:29	Bright	51.000	162	34Alp Aqr	2.9440	5350.0	102	12840	No
GOM_TRA_1PNPDE20040814_022942_000000392029_00261_12840_0014.N1	14-AUG-2004 02:29:42	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	12840	No
GOM_TRA_1PNPDE20040814_025421_000000512029_00261_12840_0000.N1	14-AUG-2004 02:54:21	Bright	51.000	110	37Del Cas	2.6780	8900.0	102	12840	Yes
GOM_TRA_1PNPDE20040814_030120_0000002552029_00261_12840_0001.N1	14-AUG-2004 03:01:20	Bright	255.00	53	43Bet And	2.0480	3300.0	510	12840	No
GOM_TRA_1PNPDE20040814_030700_000000582029_00261_12840_0002.N1	14-AUG-2004 03:07:00	Twilight	58.000	149	45Eps Per	2.8880	30000.	116	12840	No
GOM_TRA_1PNPDE20040814_031109_000000522029_00261_12840_0003.N1	14-AUG-2004 03:11:09	Twilight	52.000	28	12Bet Tau	1.6500	15200.	104	12840	No
GOM_TRA_1PNPDE20040814_031356_000000442029_00261_12840_0004.N1	14-AUG-2004 03:13:56	Twilight	44.000	44	24Gam Gem	1.9280	11000.	88	12840	No
GOM_TRA_1PNPDE20040814_031648_000000742029_00261_12840_0005.N1	14-AUG-2004 03:16:48	Dark	73.500	13	87Alp Tau	0.86700	3800.0	147	12840	No
GOM_TRA_1PNPDE20040814_032029_000000512029_00261_12840_0006.N1	14-AUG-2004 03:20:29	Dark	50.500	30	46Eps Ori	1.6940	30000.	101	12840	No

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



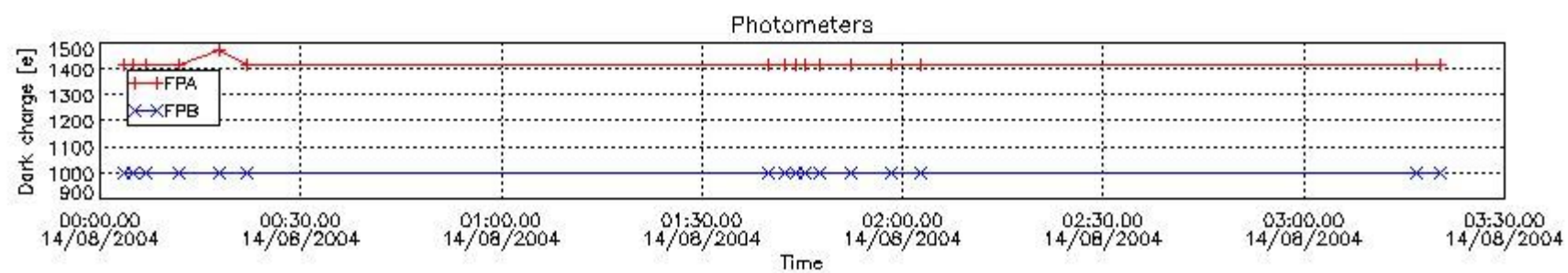
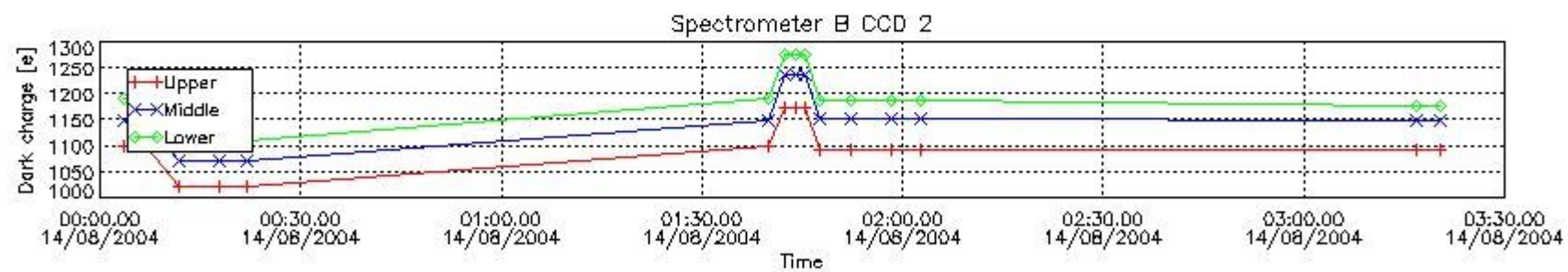
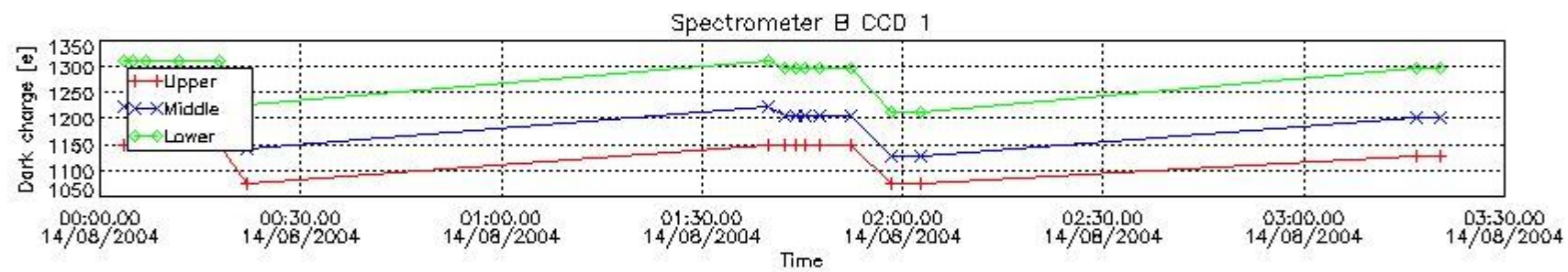
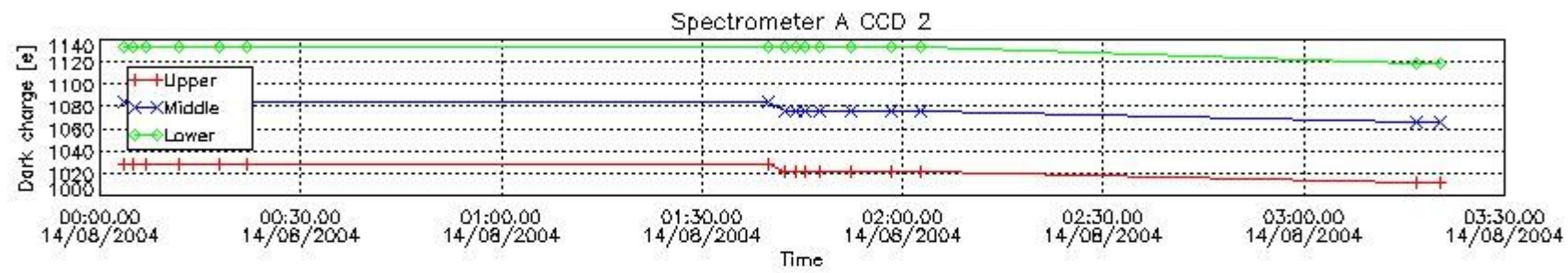
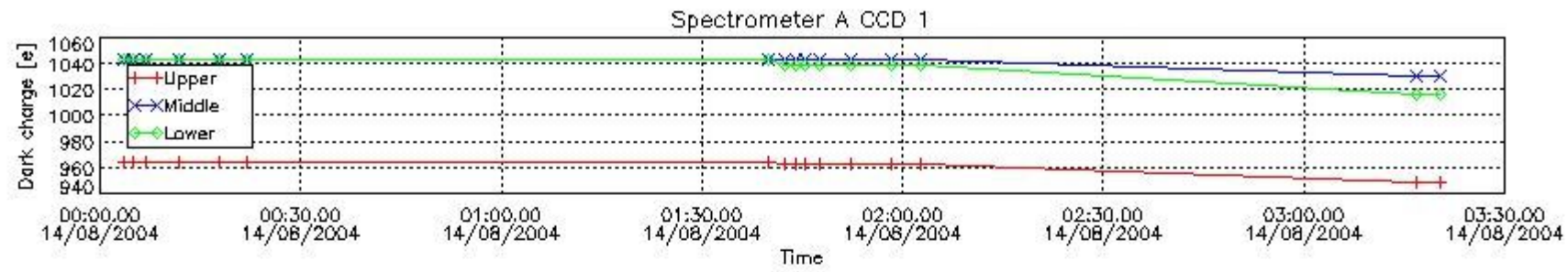
4. Overview of dark signal processing per product

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



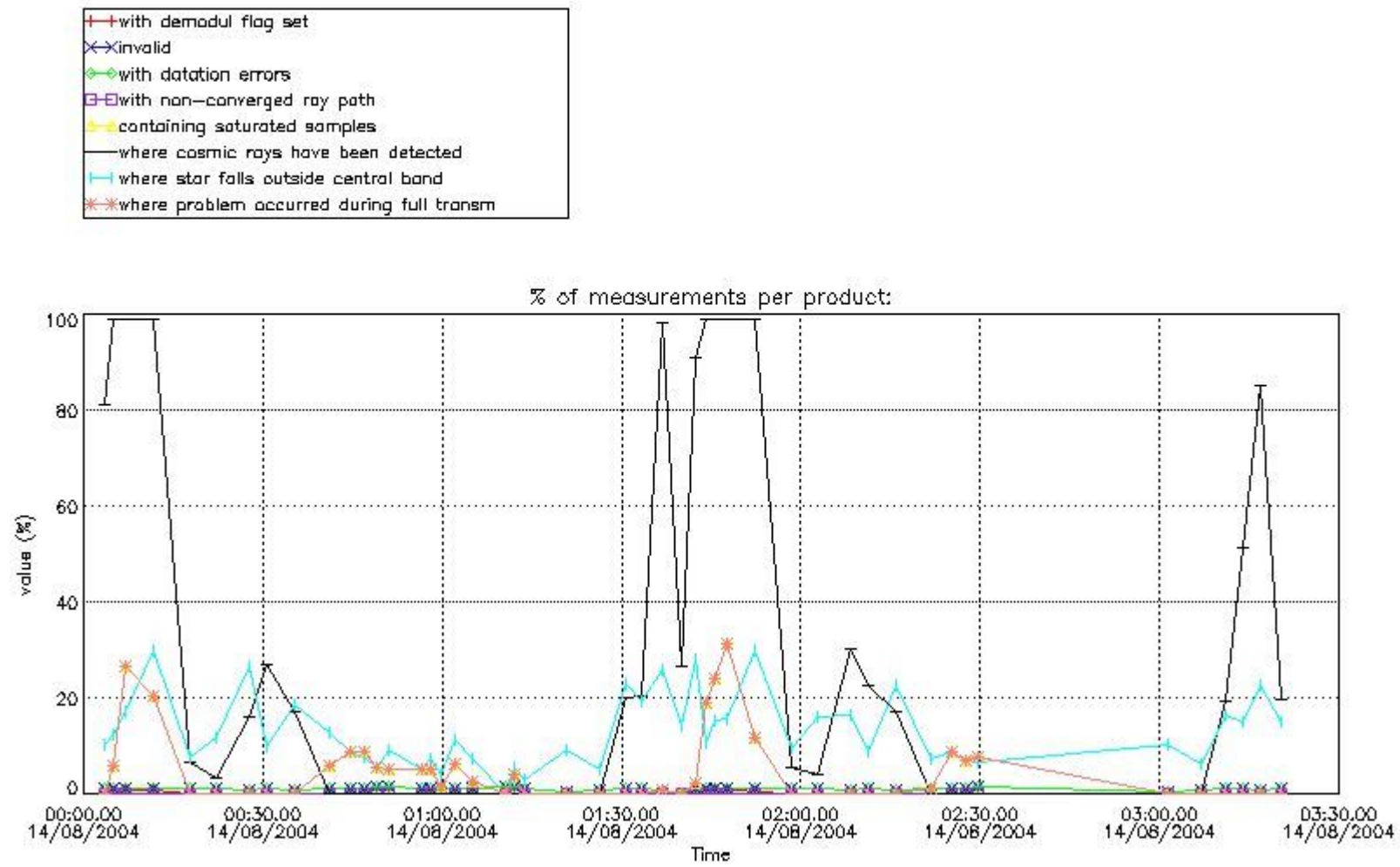
5. Demodulation flag and quality information monitoring

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.

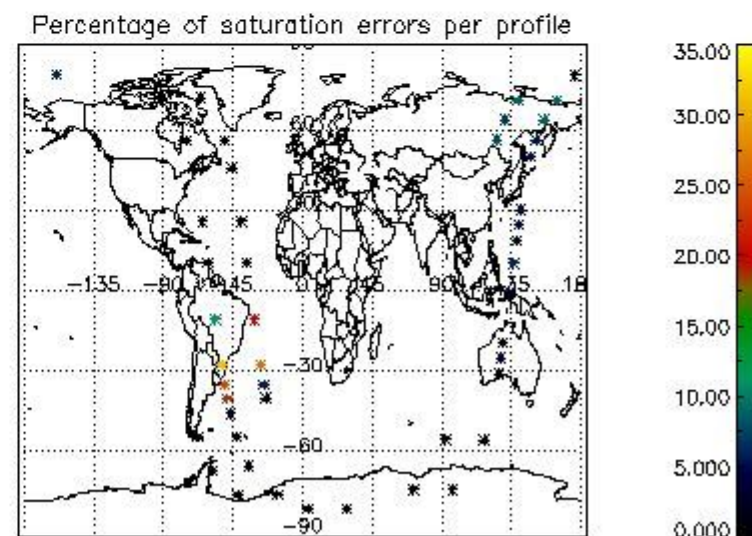
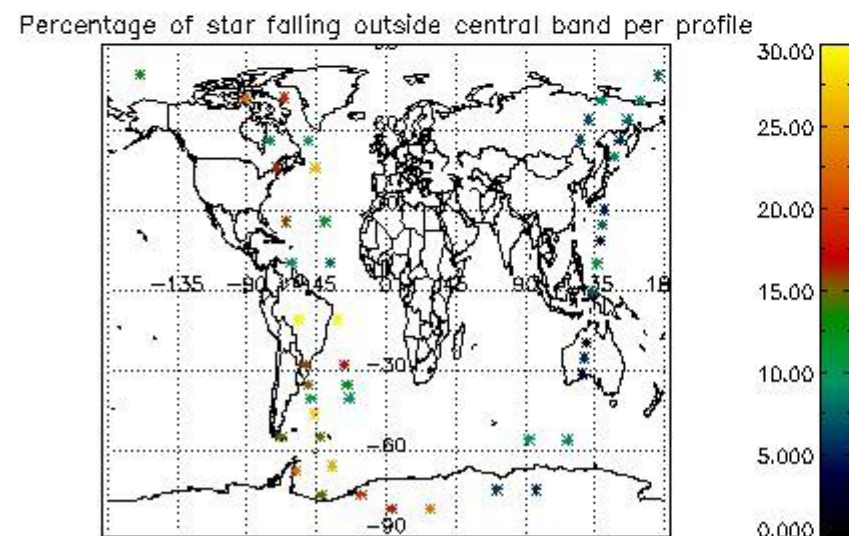
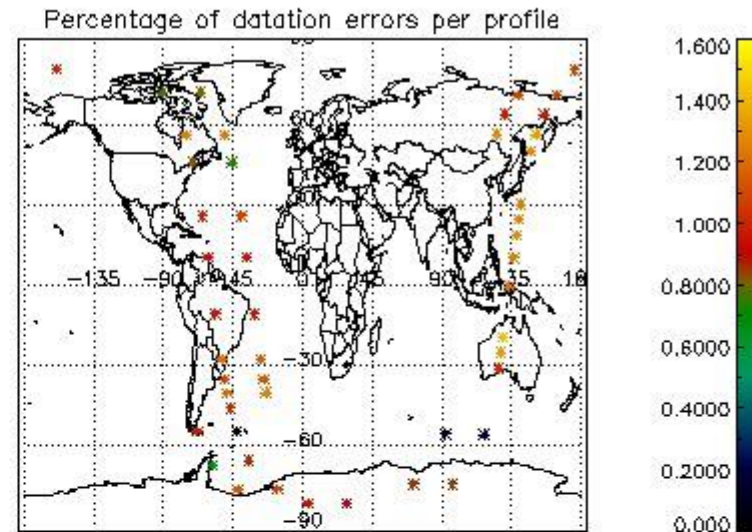
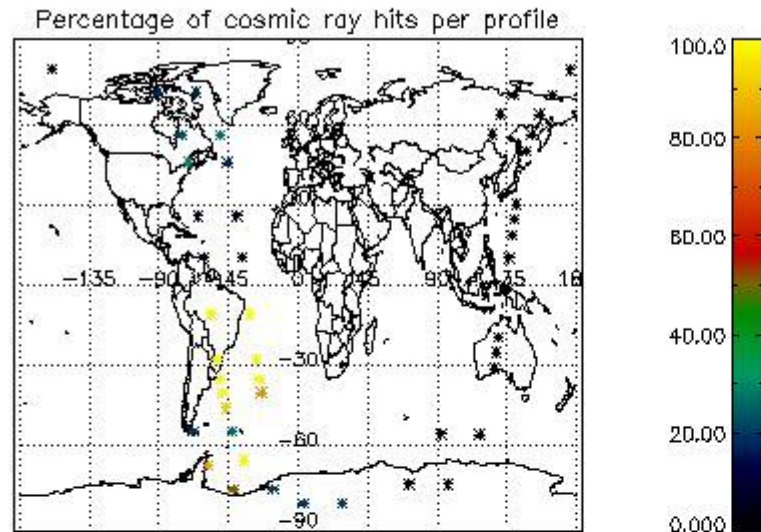
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	27.0833 %
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)



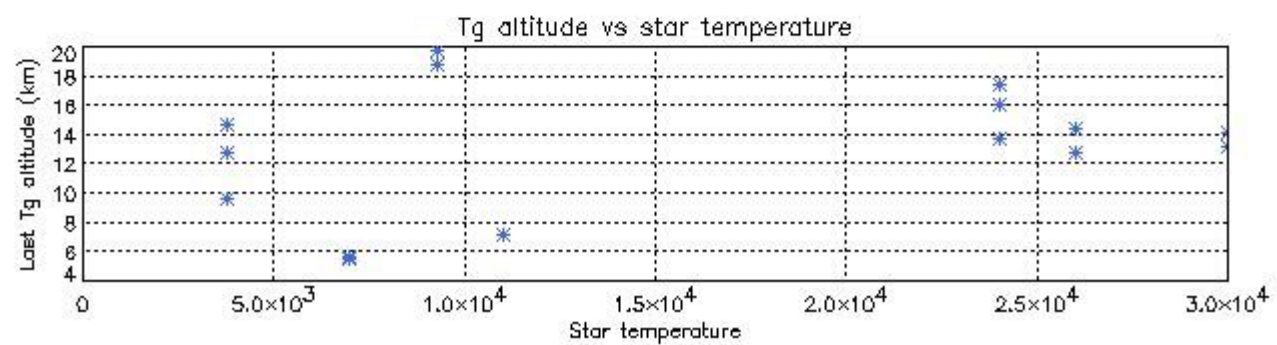
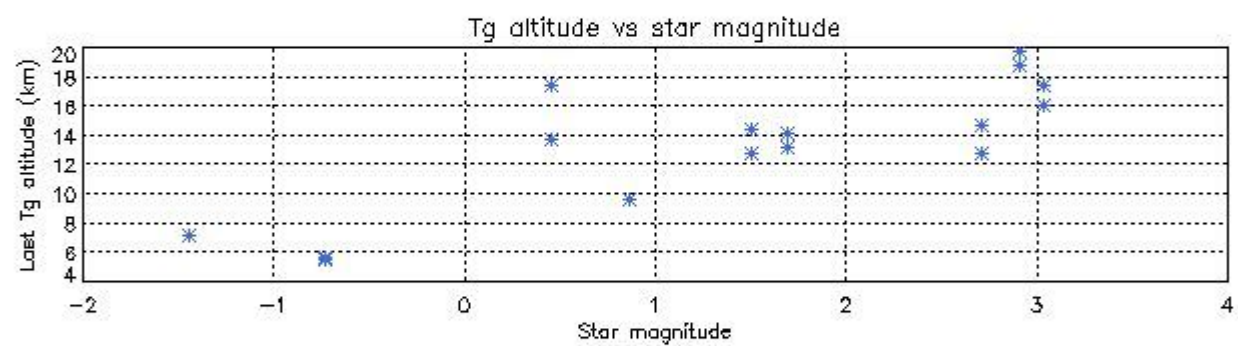
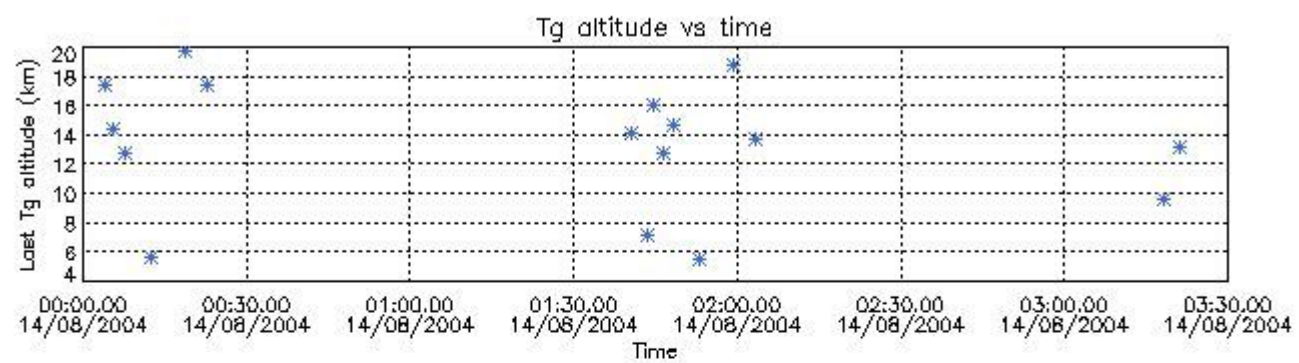
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.289	19.180	13.825
St. deviation:	4.3746	3.5532	4.7510
Maximum:	19.685	27.297	20.125
Minimum:	5.5197	10.503	6.9886
Number of data:	16.000	21.000	11.000

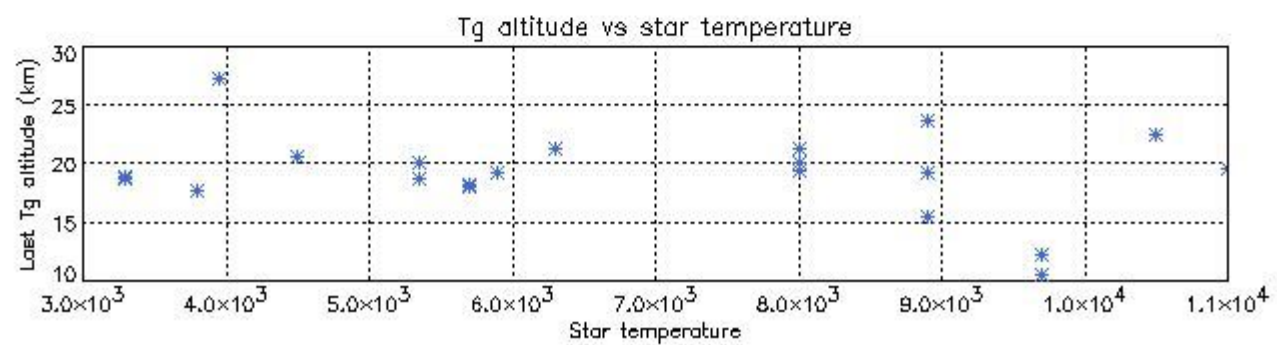
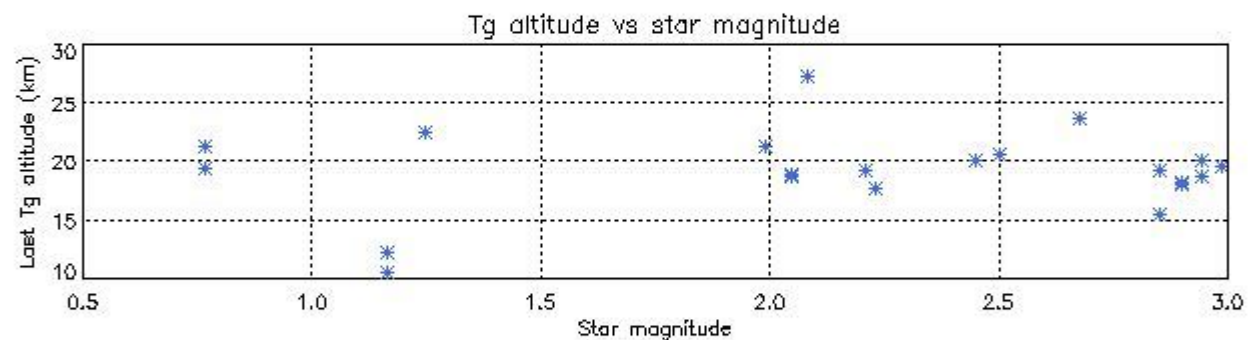
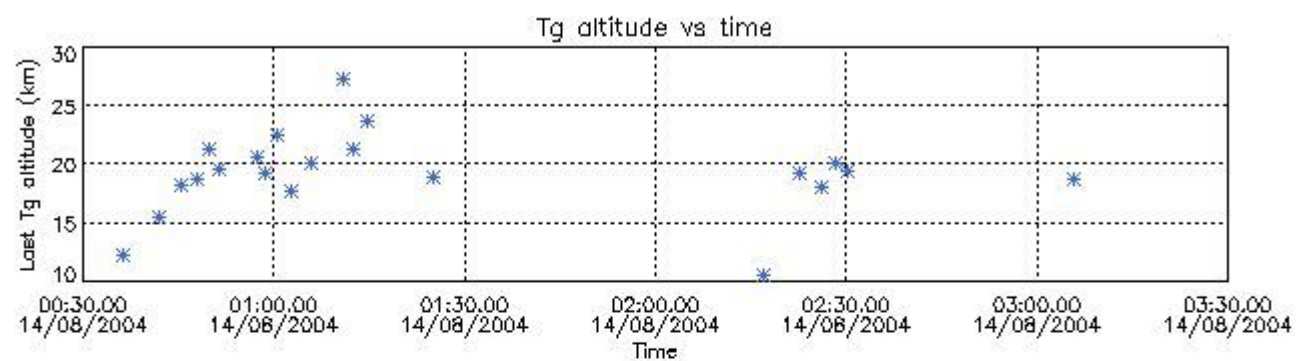
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



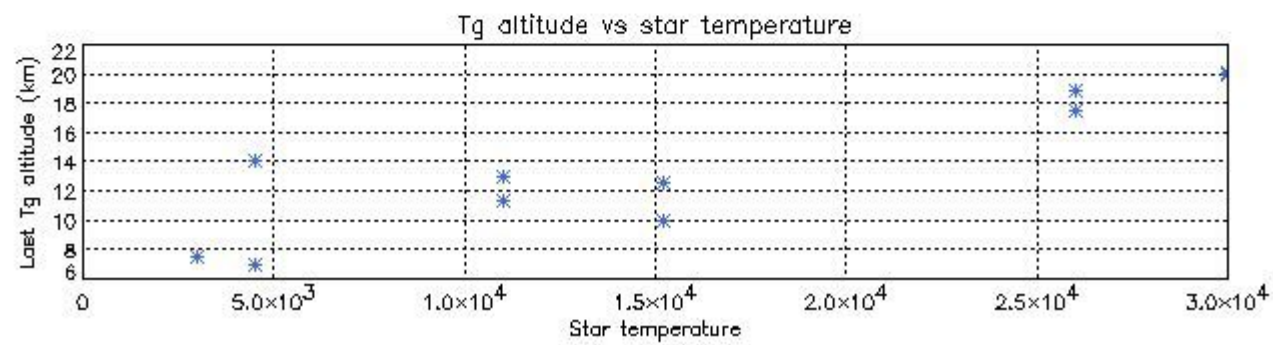
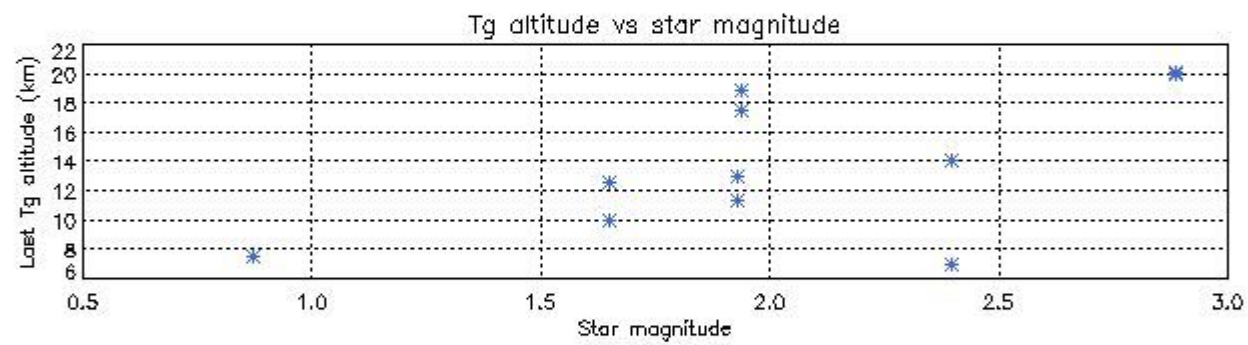
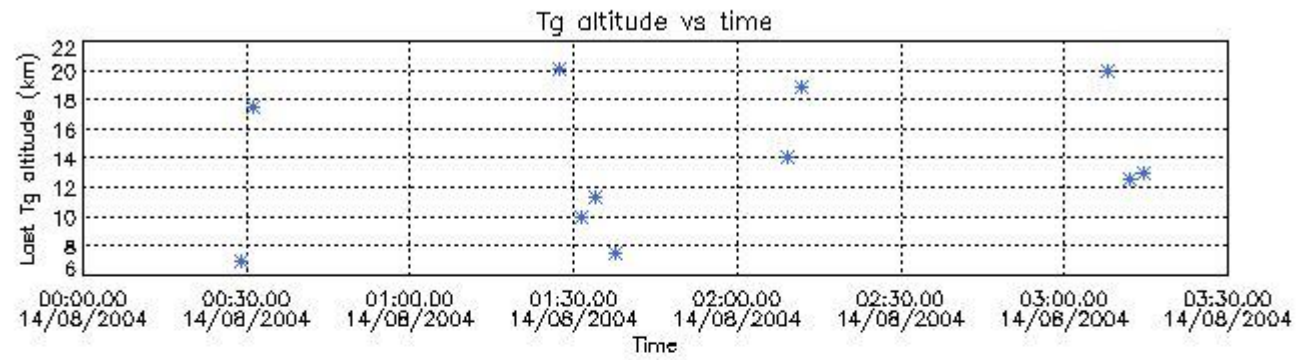
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

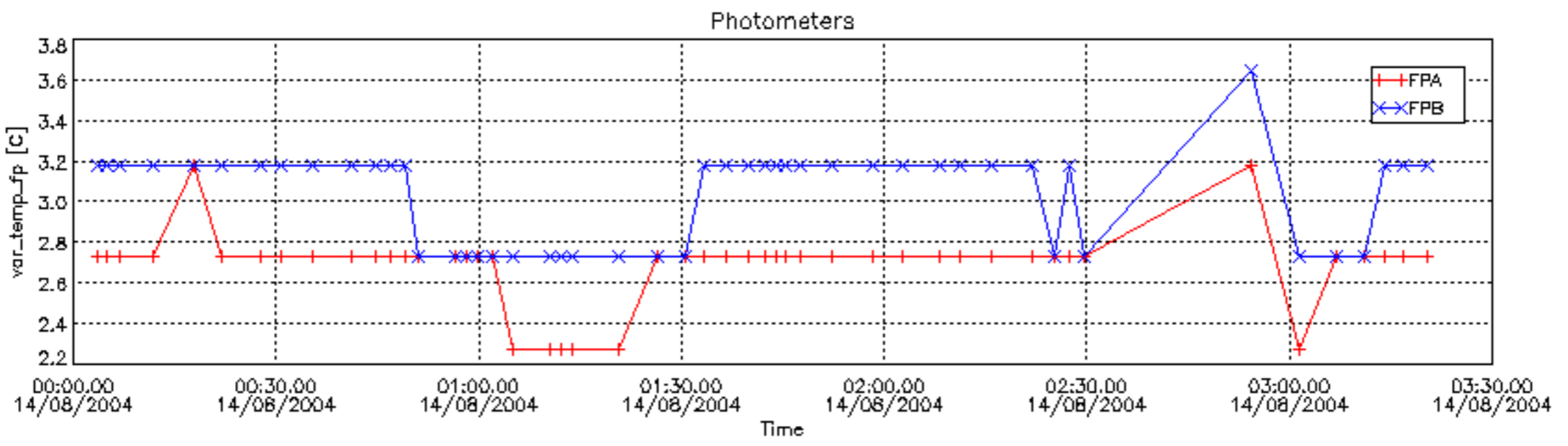
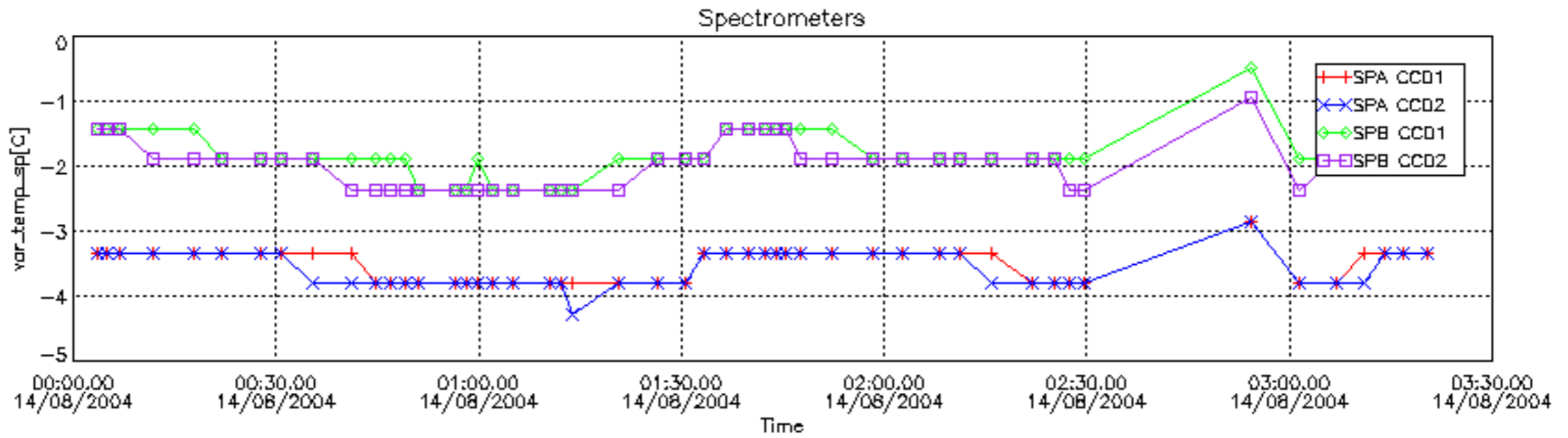
Tangent altitude at which the star is lost

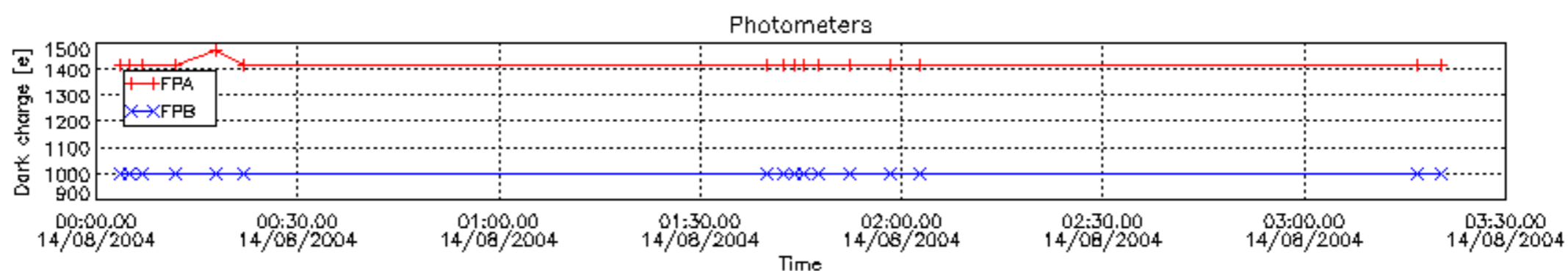
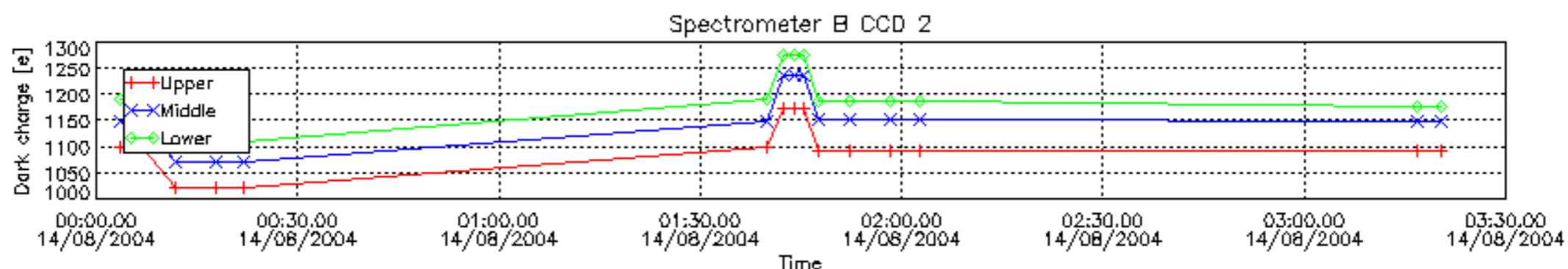
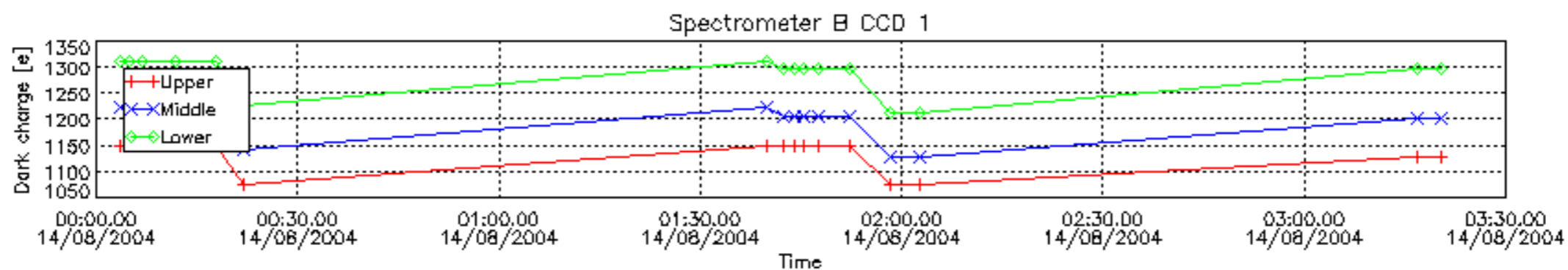
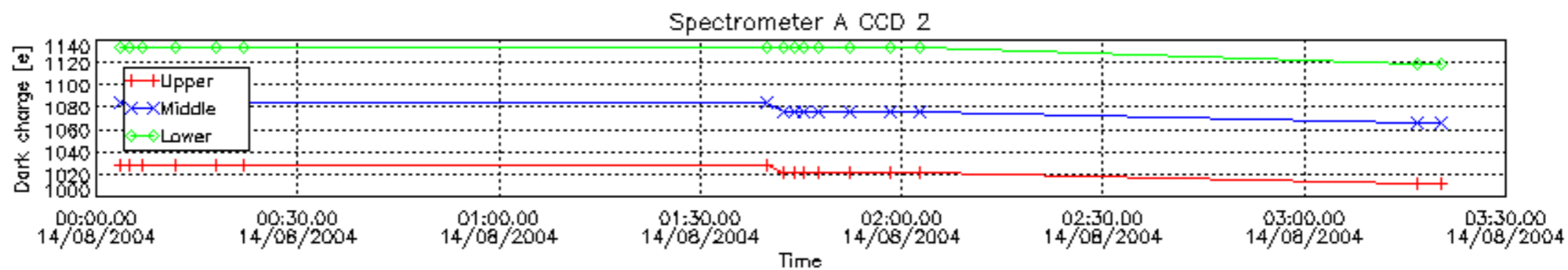
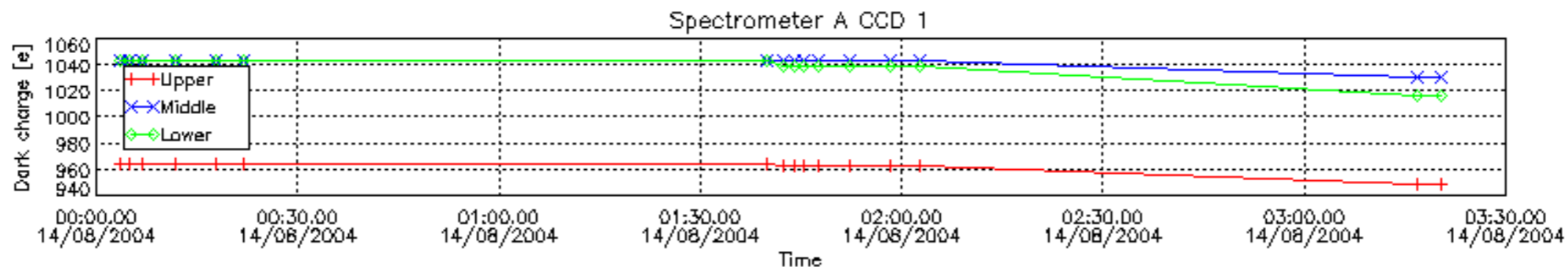


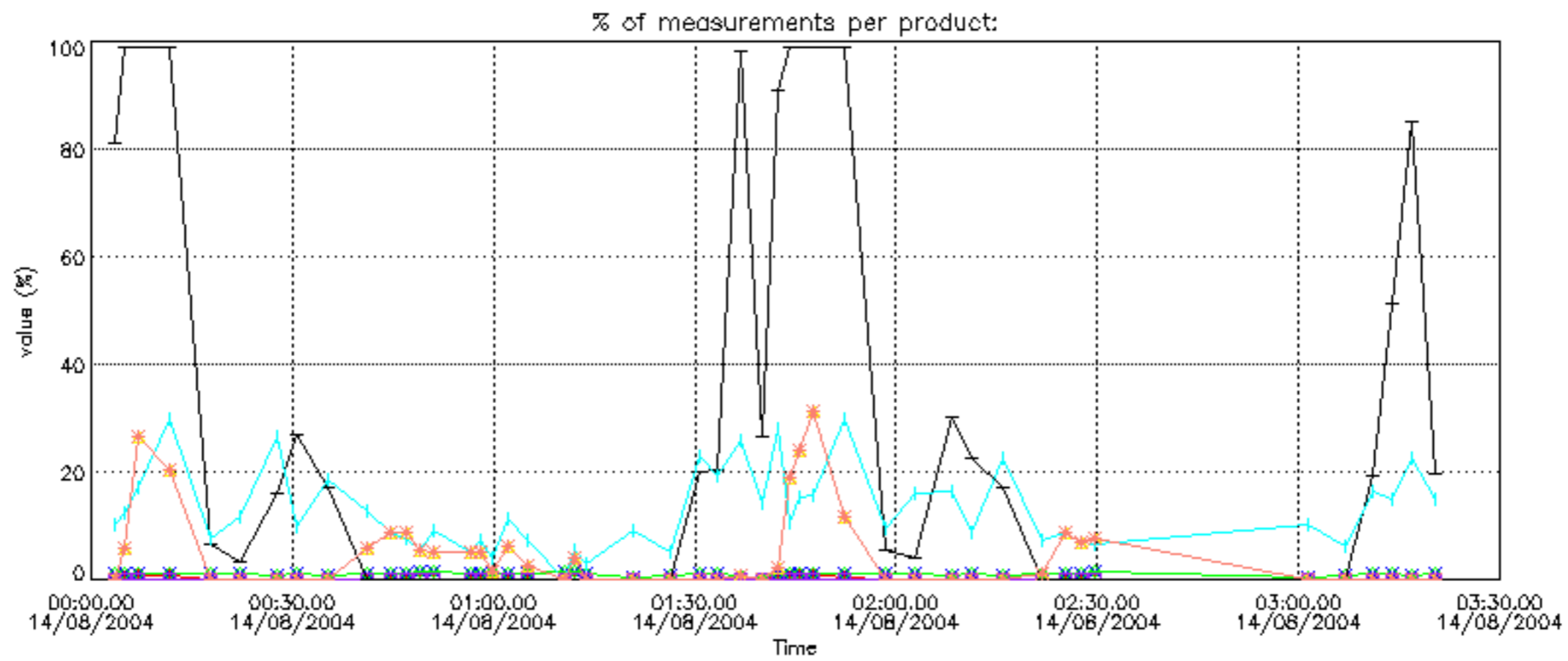
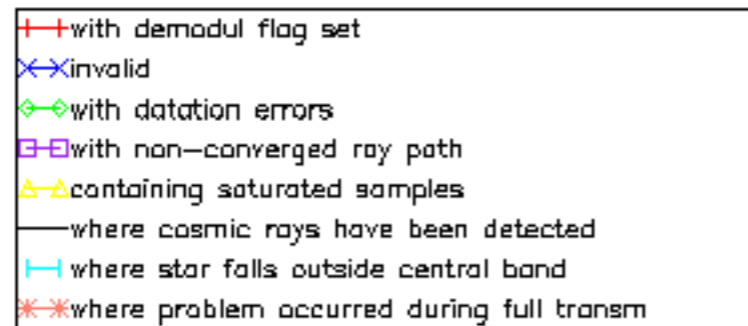
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

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.

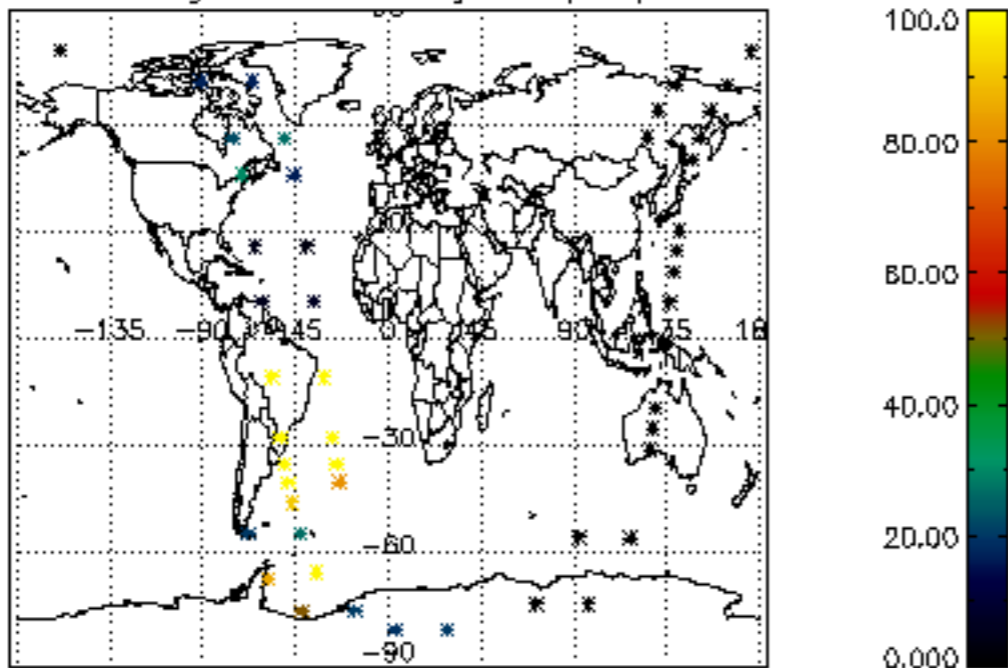
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1460.7	1446.0	1462.4	1448.3
St. deviation:	4.8458	6.0339	6.0797	6.7790
Maximum:	1496.0	1493.0	1507.0	1498.0
Minimum:	1449.0	1425.0	1450.0	1448.0
Number of data:	20250.	20250.	31800.	31800.



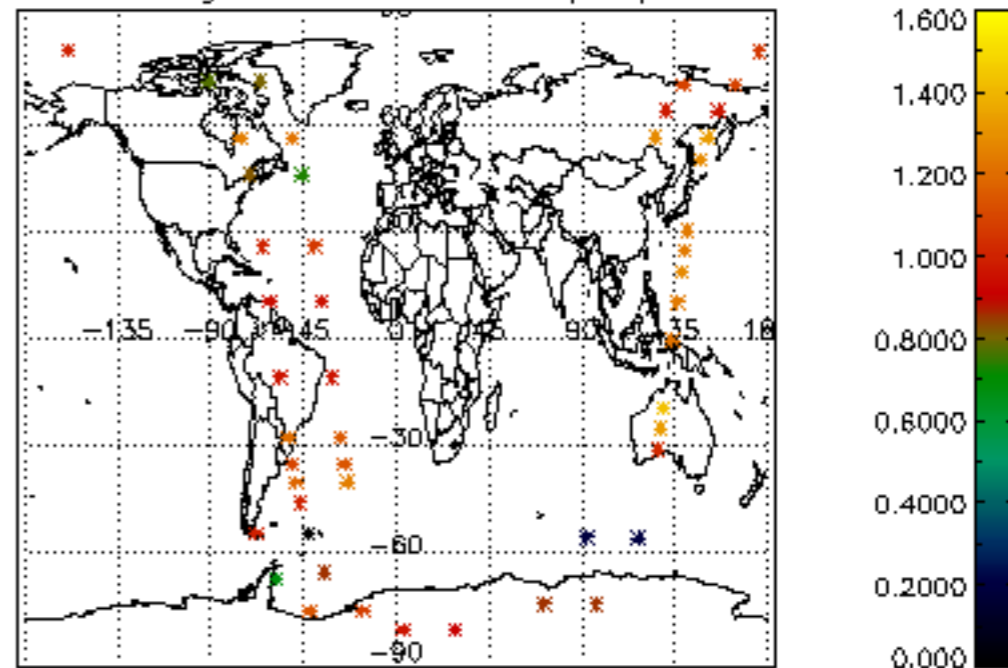




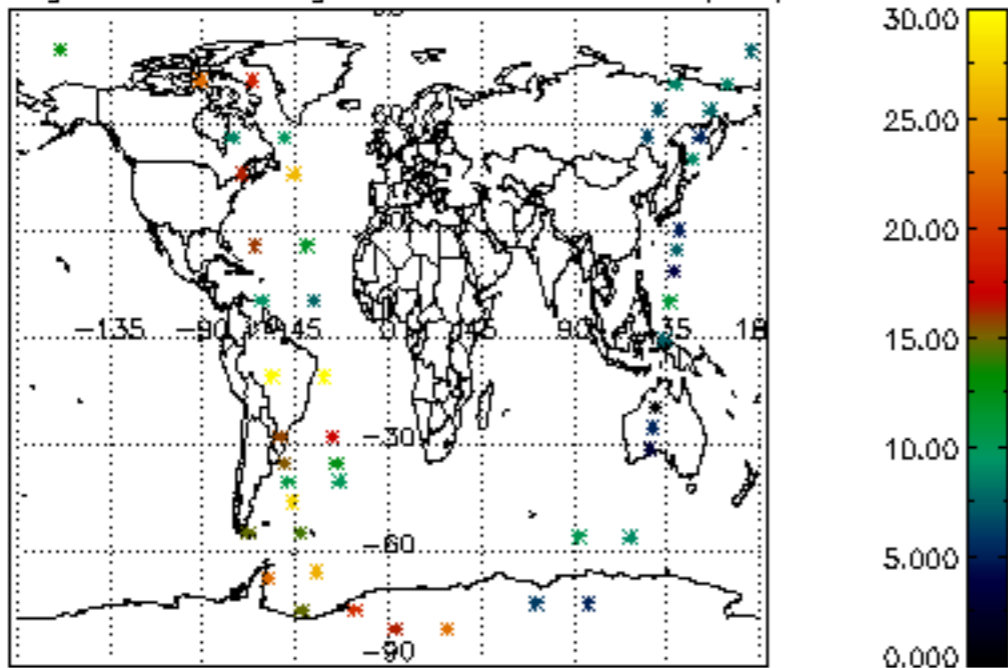
Percentage of cosmic ray hits per profile



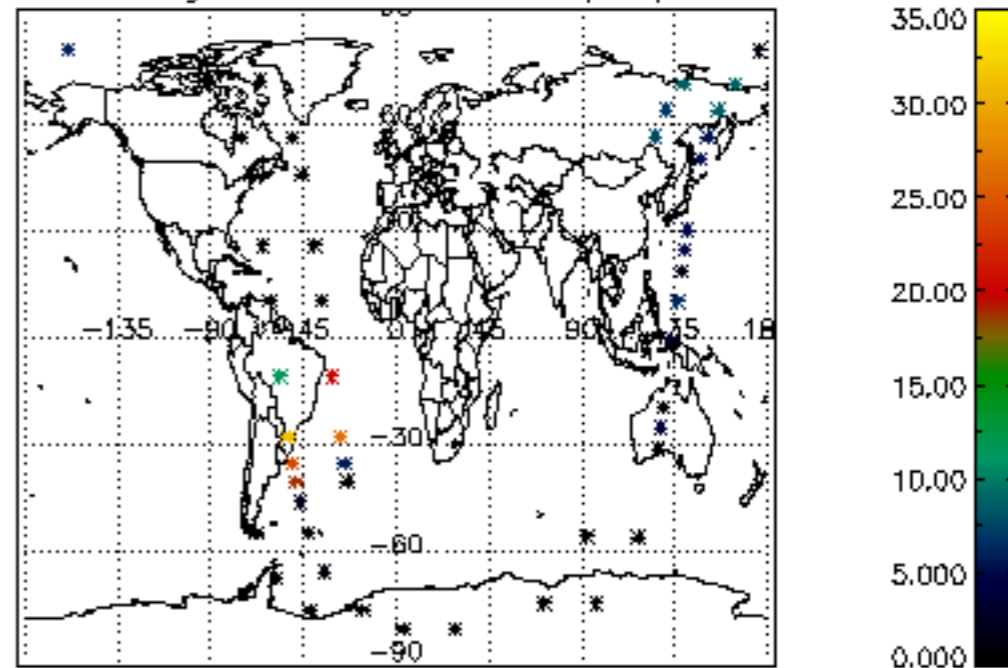
Percentage of datation errors per profile



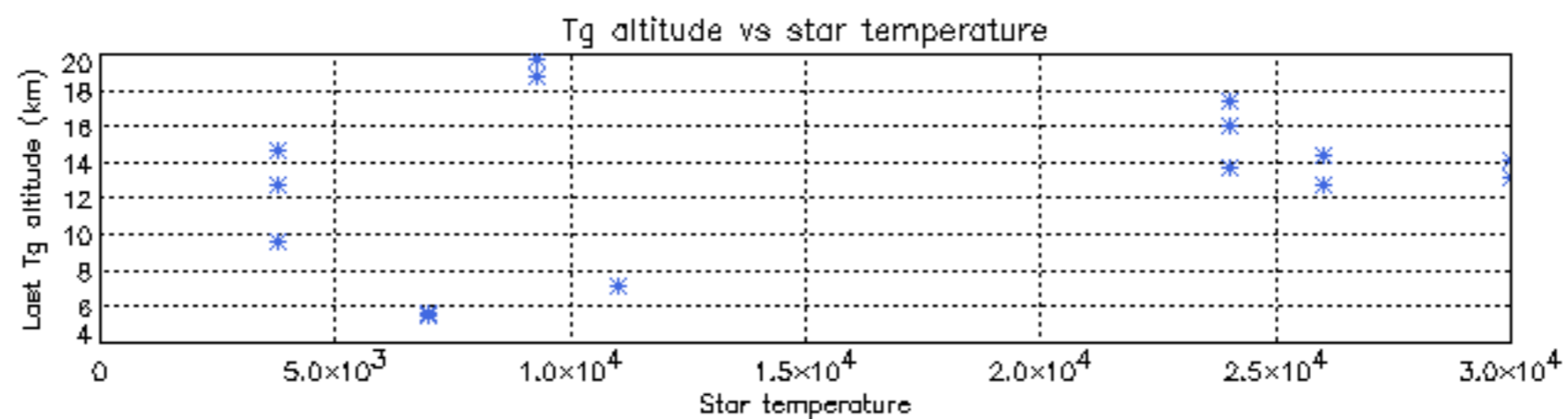
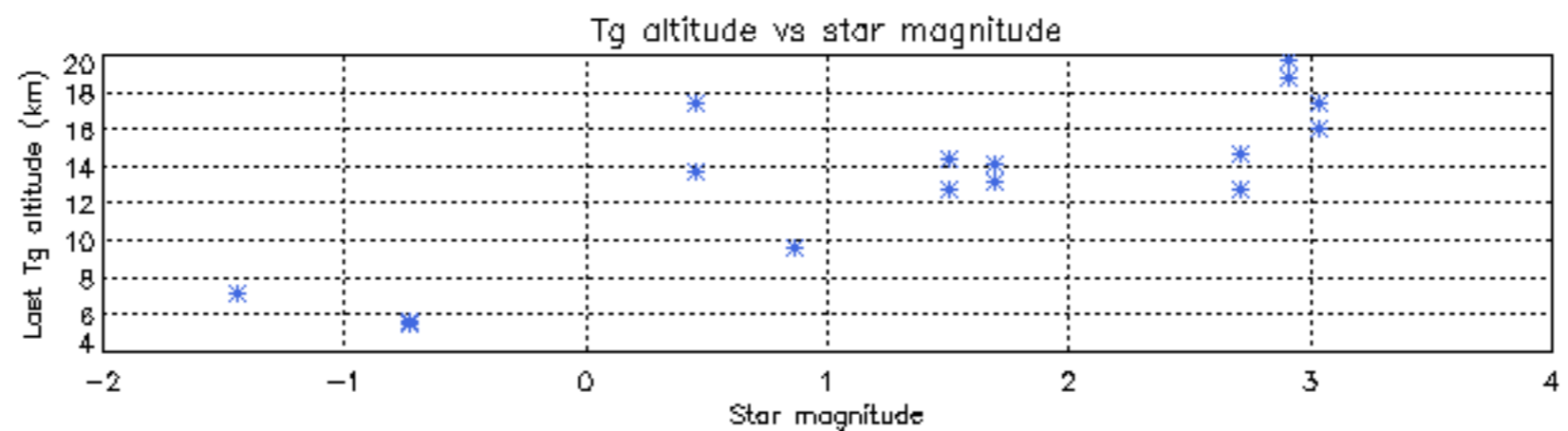
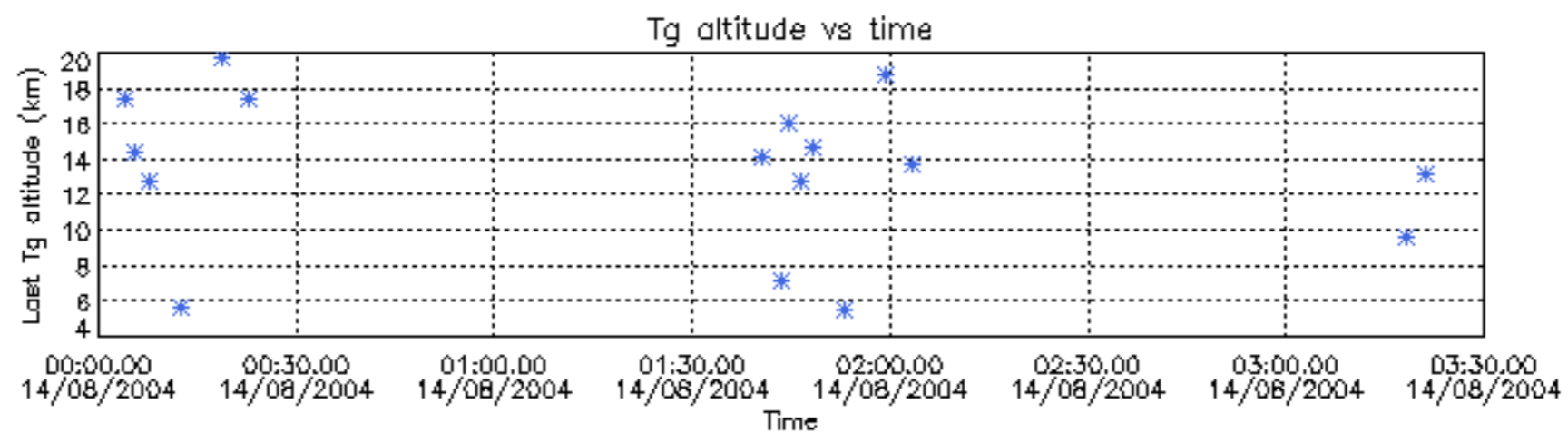
Percentage of star falling outside central band per profile



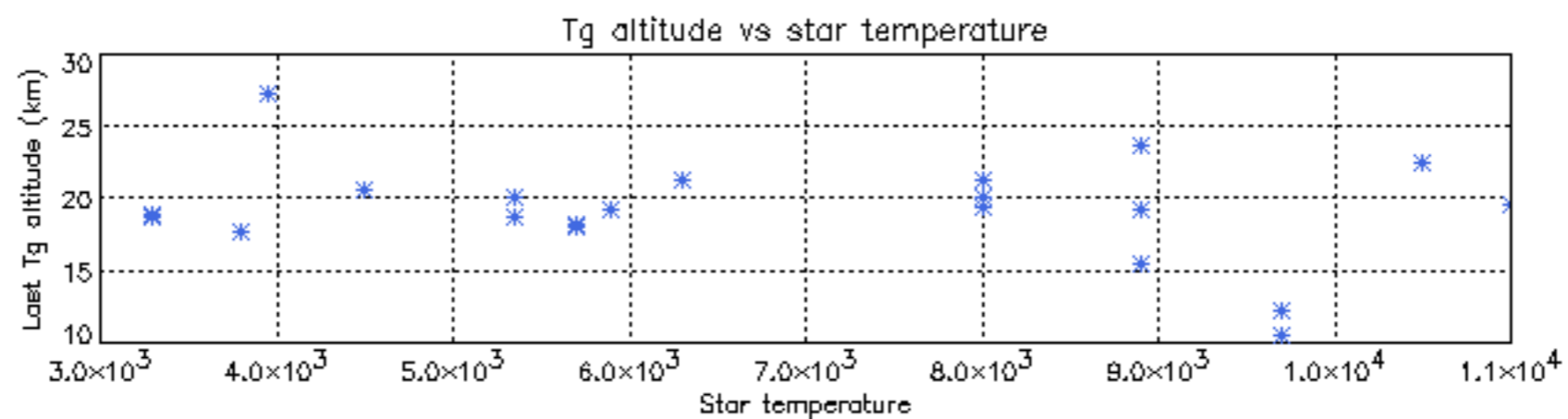
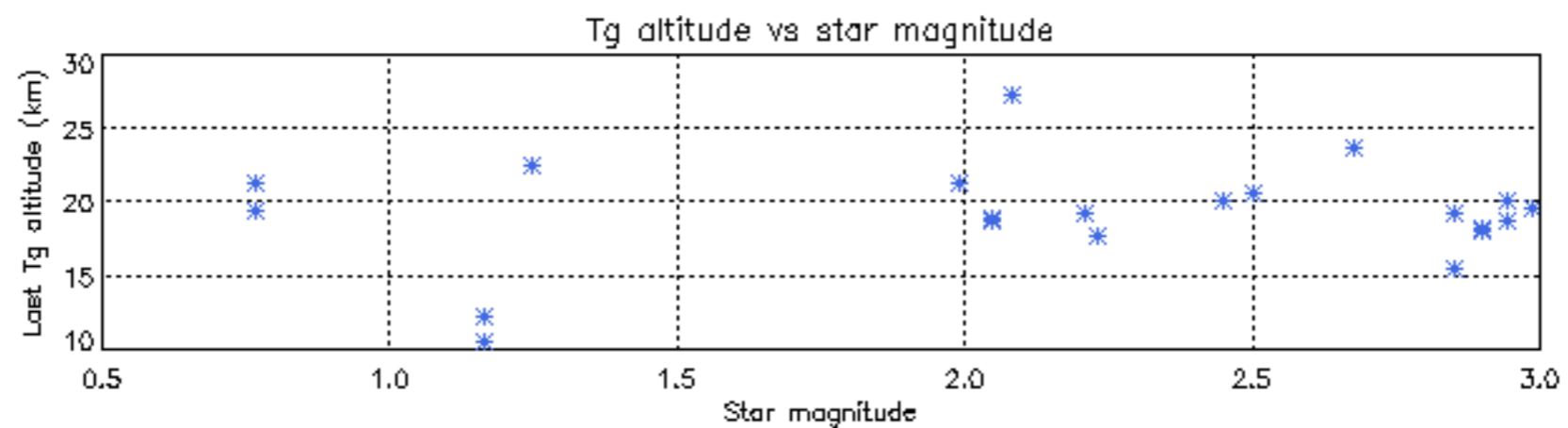
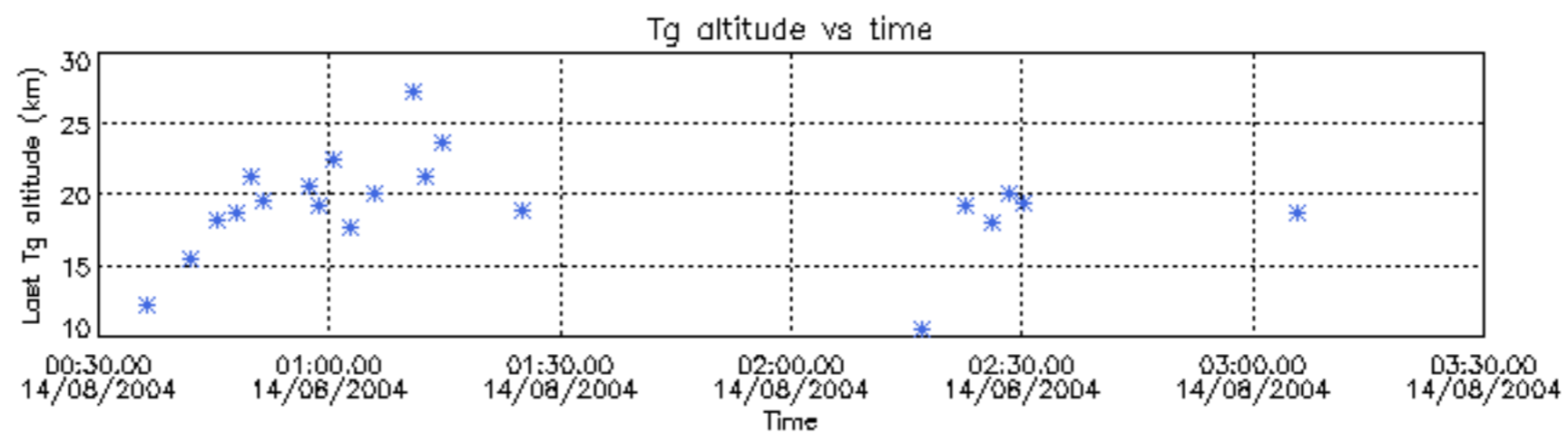
Percentage of saturation errors per profile



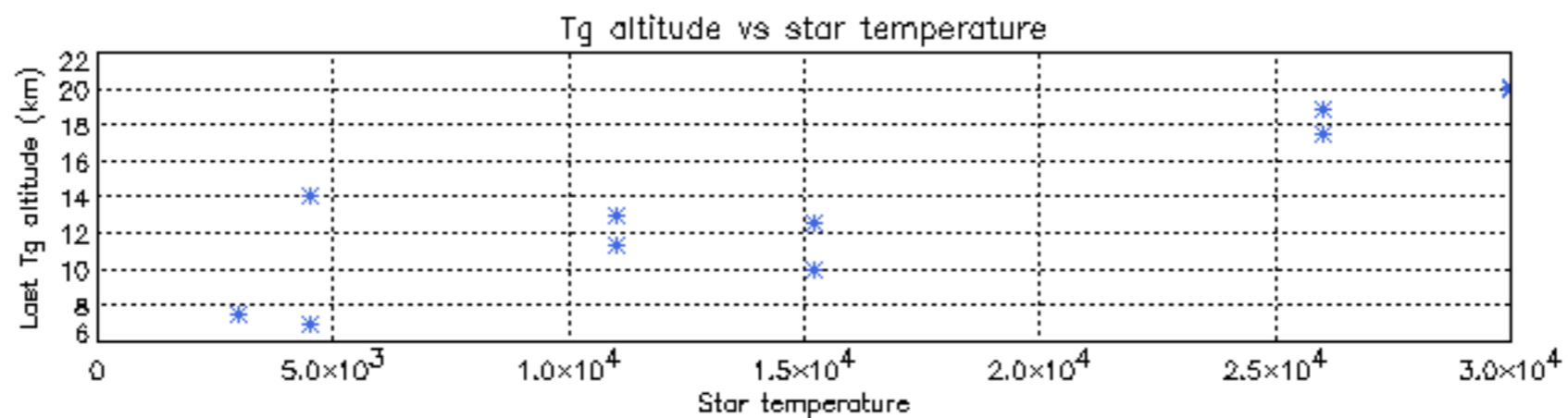
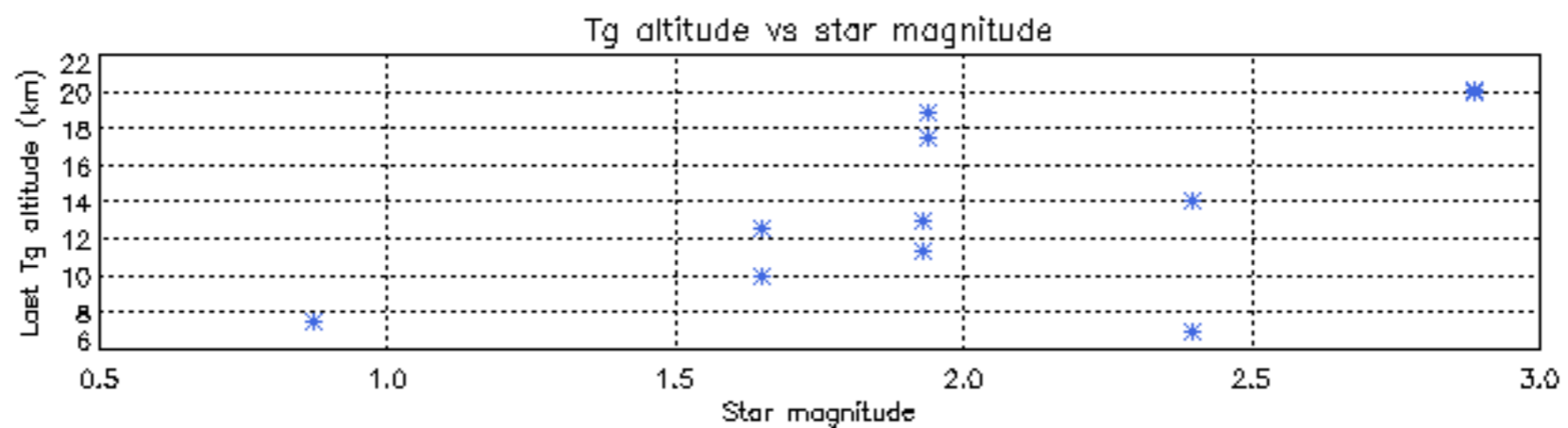
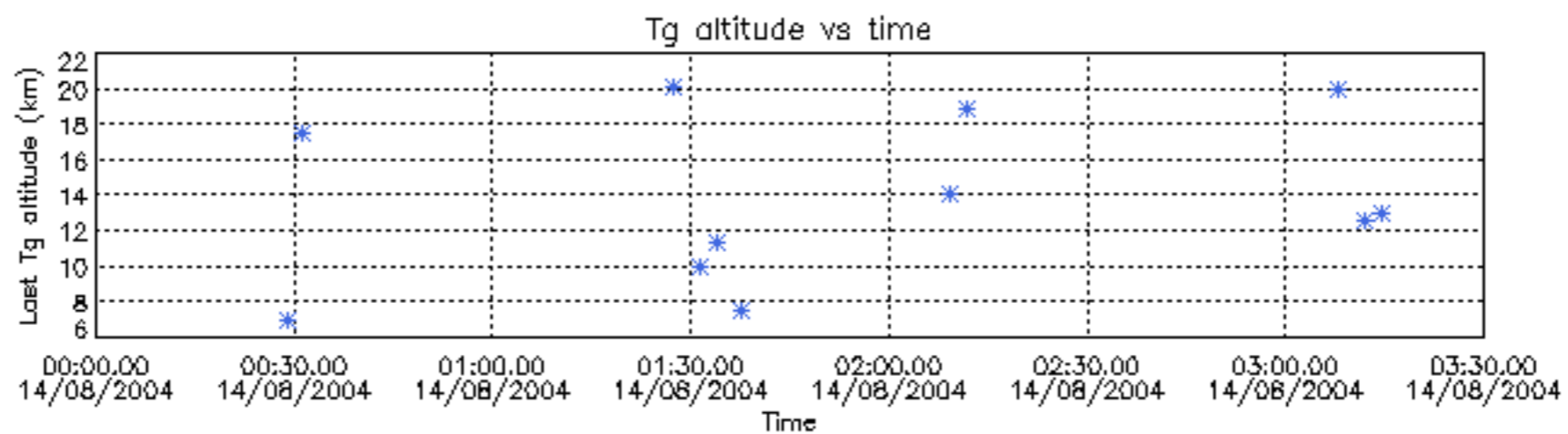
Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost




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5; -3346.8; 02-AUG-2004 08:59:38; Bright; 39.5; 144; 18Del Cyg ; 2.86; 11000;occ; 79; 0;12672

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8;-2744.5; 02-AUG-2004 09:09:40; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;12672
9;-2596.5; 02-AUG-2004 09:12:08; Bright; 38.5; 49; 1Alp UMi ; 1.99; 6300;occ; 77; 0;12672
10;-2456.3; 02-AUG-2004 09:14:28; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;12672
11;-2067.5; 02-AUG-2004 09:20:57; Bright; 50.5; 160; 23Gam Per ; 2.93; 4700;occ; 101; 0;12672
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
14;-1392.8; 02-AUG-2004 09:32:12; Dark ; 39.5; 176; 23Zet Tau ; 3.02; 22000;occ; 79; 0;12672
15;-1238.0; 02-AUG-2004 09:34:47; Dark ; 59.5; 13; 87Alp Tau ; 0.87; 3800;occ; 119; 0;12672
16;-1119.8; 02-AUG-2004 09:36:45; Dark ; 41.0; 27; 24Gam Ori ; 1.64; 26000;occ; 82; 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
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
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29; 1147.4; 02-AUG-2004 10:14:32; Dark ; 67.5; 18; 24Alp PsA ; 1.17; 9700;occ; 135; 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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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
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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
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 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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 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
 33;-144767609.7; 01-JAN-2000 01:43:43; Dark ; 10.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 20; 0;12675

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 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
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 6;-3465.5; 02-AUG-2004 15:40:03; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;12676
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 8;-3235.7; 02-AUG-2004 15:43:53; Bright; 38.0; 69; 33Gam Dra ; 2.23; 3800;occ; 76; 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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26; 2.1; 02-AUG-2004 16:37:50; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;12677
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
30; 728.2; 02-AUG-2004 16:49:56; Dark ; 43.0; 148; Alp Tuc ; 2.88; 4100;occ; 86; 0;12677
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19; -953.5; 23-AUG-2004 12:00:19; Dark ; 62.5; 27; 24Gam Ori ; 1.64; 26000;occ; 125; 0;12974
20; -837.5; 23-AUG-2004 12:02:15; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;12974
21; -726.0; 23-AUG-2004 12:04:07; Dark ; 55.0; 1; 9Alp CMA ; -1.44; 11000;occ; 110; 0;12974
22; -632.5; 23-AUG-2004 12:05:40; Dark ; 75.5; 7; 19Bet Ori ; 0.10; 14000;occ; 151; 0;12974
23; -423.7; 23-AUG-2004 12:09:09; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;12974
24; -313.0; 23-AUG-2004 12:11:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12974
25; -140.1; 23-AUG-2004 12:13:53; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;12974
26; 340.9; 23-AUG-2004 12:21:54; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;12975
27; 527.8; 23-AUG-2004 12:25:01; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;12975
28; 833.0; 23-AUG-2004 12:30:06; Dark ; 43.0; 148; Alp Tuc ; 2.88; 4100;occ; 86; 0;12975
29; 971.1; 23-AUG-2004 12:32:24; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;12975
30; 1050.7; 23-AUG-2004 12:33:43; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;12975
31; 1291.9; 23-AUG-2004 12:37:45; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;12975
32; 1602.7; 23-AUG-2004 12:42:55; Dark ; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 21; 0;12975
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1;-4433.2; 23-AUG-2004 12:42:55; Dark ; 46.5; 142; 49Del Cap ; 2.85; 8900;occ; 93; 0;12975
2;-4237.3; 23-AUG-2004 12:46:11; Bright; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;12975
3;-4134.0; 23-AUG-2004 12:47:55; Bright; 44.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 88; 0;12975
4;-3949.8; 23-AUG-2004 12:50:59; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;12975
5;-3707.3; 23-AUG-2004 12:55:01; Bright; 56.5; 90; 54Alp Peg ; 2.49; 11000;occ; 113; 0;12975
6;-3549.5; 23-AUG-2004 12:57:39; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;12975
7;-3445.2; 23-AUG-2004 12:59:23; Bright; 36.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 72; 0;12975
8;-3357.4; 23-AUG-2004 13:00:51; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;12975
9;-3046.3; 23-AUG-2004 13:06:02; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;12975
10;-2814.4; 23-AUG-2004 13:09:54; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;12975
11;-2654.0; 23-AUG-2004 13:12:35; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;12975
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