

GOMOS Daily Report 11-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	13AUG2004 05:01:30
Data source version	GOMOS/4.02
Start time of products	QDS_YESTERDAY(/START)-1D (11AUG2004 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (12AUG2004 00:00:00)

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

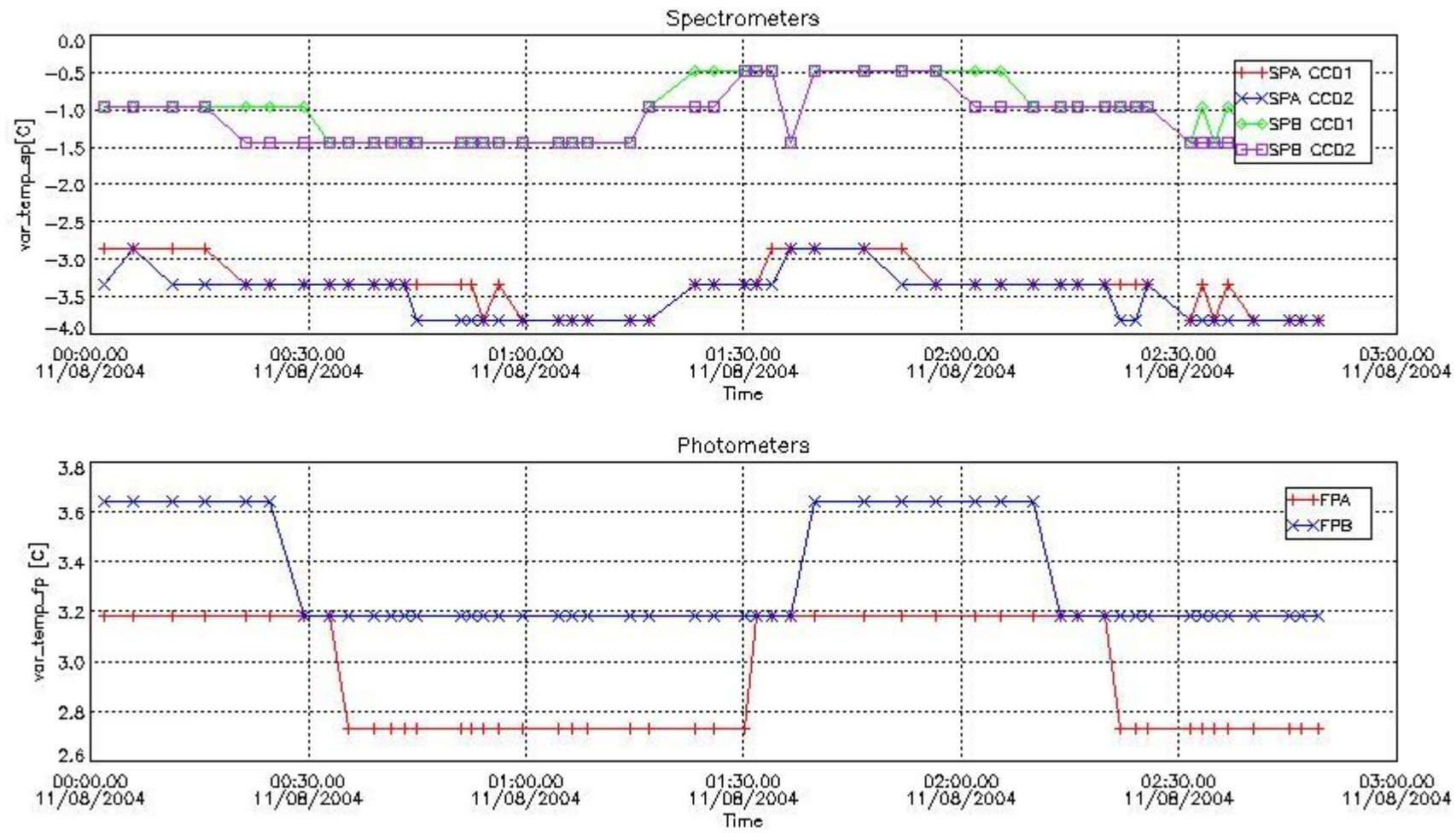
2. Summary of products arrived in PCF (Product Control Facility)

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

2.2 Summary of processed GOM_TRA_1P products

Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
GOM_TRA_1PNPDE20040811_000157_000000452029_00216_12795_0003.N1	11-AUG-2004 00:01:57	Dark	44.500	108	Alp Col	2.6520	15200.	89	12795	No
GOM_TRA_1PNPDE20040811_000553_000000482029_00216_12795_0004.N1	11-AUG-2004 00:05:53	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	12795	No
GOM_TRA_1PNPDE20040811_001111_000000532029_00217_12796_0005.N1	11-AUG-2004 00:11:11	Dark	52.500	157	The1Eri	2.9060	9300.0	105	12796	No
GOM_TRA_1PNPDE20040811_001549_000000522029_00217_12796_0006.N1	11-AUG-2004 00:15:49	Dark	52.000	9	Alp Eri	0.45300	24000.	104	12796	No
GOM_TRA_1PNPDE20040811_002119_000000552029_00217_12796_0007.N1	11-AUG-2004 00:21:19	Twilight	55.000	84	Alp Phe	2.3970	4500.0	110	12796	No
GOM_TRA_1PNPDE20040811_002444_000000412029_00217_12796_0008.N1	11-AUG-2004 00:24:44	Twilight	40.500	45	Alp Pav	1.9400	26000.	81	12796	No
GOM_TRA_1PNPDE20040811_002921_000000632029_00217_12796_0009.N1	11-AUG-2004 00:29:21	Bright	62.500	18	24Alp PsA	1.1660	9700.0	125	12796	No
GOM_TRA_1PNPDE20040811_003259_000000452029_00217_12796_0010.N1	11-AUG-2004 00:32:59	Bright	45.000	103	38Zet Sgr	2.6000	9700.0	90	12796	No
GOM_TRA_1PNPDE20040811_003524_000000502029_00217_12796_0011.N1	11-AUG-2004 00:35:24	Bright	49.500	142	49Del Cap	2.8500	8900.0	99	12796	No
GOM_TRA_1PNPDE20040811_003903_000000482029_00217_12796_0012.N1	11-AUG-2004 00:39:03	Bright	47.500	154	22Bet Aqr	2.8990	5700.0	95	12796	No
GOM_TRA_1PNPDE20040811_004124_000000532029_00217_12796_0013.N1	11-AUG-2004 00:41:24	Bright	53.000	162	34Alp Aqr	2.9440	5350.0	106	12796	No
GOM_TRA_1PNPDE20040811_004319_000000382029_00217_12796_0014.N1	11-AUG-2004 00:43:19	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	12796	No
GOM_TRA_1PNPDE20040811_004503_000000382029_00217_12796_0015.N1	11-AUG-2004 00:45:03	Bright	38.000	168	17Zet Aql	2.9860	11000.	76	12796	No
GOM_TRA_1PNPDE20040811_005059_000000442029_00217_12796_0016.N1	11-AUG-2004 00:50:59	Bright	44.000	92	53Eps Cyg	2.5000	4500.0	88	12796	No
GOM_TRA_1PNPDE20040811_005229_000000392029_00217_12796_0017.N1	11-AUG-2004 00:52:29	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	12796	No
GOM_TRA_1PNPDE20040811_005411_000000432029_00217_12796_0018.N1	11-AUG-2004 00:54:11	Bright	42.500	19	50Alp Cyg	1.2460	10500.	85	12796	No
GOM_TRA_1PNPDE20040811_005610_000000432029_00217_12796_0019.N1	11-AUG-2004 00:56:10	Bright	42.500	69	33Gam Dra	2.2310	3800.0	85	12796	No
GOM_TRA_1PNPDE20040811_005937_000000362029_00217_12796_0020.N1	11-AUG-2004 00:59:37	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	12796	No
GOM_TRA_1PNPDE20040811_010429_000000402029_00217_12796_0021.N1	11-AUG-2004 01:04:29	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	12796	No
GOM_TRA_1PNPDE20040811_010619_000000382029_00217_12796_0022.N1	11-AUG-2004 01:06:19	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	12796	No
GOM_TRA_1PNPDE20040811_010833_000000512029_00217_12796_0023.N1	11-AUG-2004 01:08:33	Bright	51.000	110	37Del Cas	2.6780	8900.0	102	12796	No
GOM_TRA_1PNPDE20040811_011416_000000532029_00217_12796_0024.N1	11-AUG-2004 01:14:16	Bright	52.500	160	23Gam Per	2.9300	4700.0	105	12796	No
GOM_TRA_1PNPDE20040811_011700_000002552029_00217_12796_0025.N1	11-AUG-2004 01:17:00	Bright	255.00	53	43Bet And	2.0480	3300.0	510	12796	No
GOM_TRA_1PNPDE20040811_012324_000000572029_00217_12796_0026.N1	11-AUG-2004 01:23:24	Twilight	56.500	114	3Iot Aur	2.6930	4600.0	113	12796	No
GOM_TRA_1PNPDE20040811_012552_000000542029_00217_12796_0027.N1	11-AUG-2004 01:25:52	Twilight	54.000	151	13Mu Gem	2.8900	3000.0	108	12796	No
GOM_TRA_1PNPDE20040811_013001_000000762029_00217_12796_0028.N1	11-AUG-2004 01:30:01	Twilight	76.000	13	87Alp Tau	0.86700	3800.0	152	12796	No
GOM_TRA_1PNPDE20040811_013151_000000512029_00217_12796_0029.N1	11-AUG-2004 01:31:51	Twilight	50.500	27	24Gam Ori	1.6360	26000.	101	12796	No
GOM_TRA_1PNPDE20040811_013346_000000492029_00217_12796_0030.N1	11-AUG-2004 01:33:46	Dark	48.500	30	46Eps Ori	1.6940	30000.	97	12796	No
GOM_TRA_1PNPDE20040811_013628_000000432029_00217_12796_0000.N1	11-AUG-2004 01:36:28	Dark	43.000	1	9Alp CMa	-1.4400	11000.	86	12796	Yes
GOM_TRA_1PNPDE20040811_013941_000000422029_00217_12796_0001.N1	11-AUG-2004 01:39:41	Dark	41.500	23	21Eps CMa	1.5020	26000.	83	12796	No
GOM_TRA_1PNPDE20040811_014629_000000522029_00217_12796_0002.N1	11-AUG-2004 01:46:29	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	12796	No
GOM_TRA_1PNPDE20040811_015147_000000542029_00218_12797_0003.N1	11-AUG-2004 01:51:47	Dark	53.500	157	The1Eri	2.9060	9300.0	107	12797	No
GOM_TRA_1PNPDE20040811_015625_000000472029_00218_12797_0004.N1	11-AUG-2004 01:56:25	Dark	47.000	9	Alp Eri	0.45300	24000.	94	12797	No
GOM_TRA_1PNPDE20040811_020156_000000592029_00218_12797_0005.N1	11-AUG-2004 02:01:56	Twilight	59.000	84	Alp Phe	2.3970	4500.0	118	12797	No
GOM_TRA_1PNPDE20040811_020521_000000412029_00218_12797_0006.N1	11-AUG-2004 02:05:21	Twilight	40.500	45	Alp Pav	1.9400	26000.	81	12797	No
GOM_TRA_1PNPDE20040811_020957_000000602029_00218_12797_0007.N1	11-AUG-2004 02:09:57	Bright	60.000	18	24Alp PsA	1.1660	9700.0	120	12797	No
GOM_TRA_1PNPDE20040811_021335_000000422029_00218_12797_0008.N1	11-AUG-2004 02:13:35	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	12797	No
GOM_TRA_1PNPDE20040811_021600_000000472029_00218_12797_0009.N1	11-AUG-2004 02:16:00	Bright	46.500	142	49Del Cap	2.8500	8900.0	93	12797	No
GOM_TRA_1PNPDE20040811_021940_000000472029_00218_12797_0010.N1	11-AUG-2004 02:19:40	Bright	47.000	154	22Bet Aqr	2.8990	5700.0	94	12797	No
GOM_TRA_1PNPDE20040811_022159_000000542029_00218_12797_0011.N1	11-AUG-2004 02:21:59	Bright	53.500	162	34Alp Aqr	2.9440	5350.0	107	12797	No
GOM_TRA_1PNPDE20040811_022355_000000402029_00218_12797_0012.N1	11-AUG-2004 02:23:55	Bright	39.500	11	53Alp Aql	0.76500	8000.0	79	12797	No
GOM_TRA_1PNPDE20040811_022539_000000362029_00218_12797_0013.N1	11-AUG-2004 02:25:39	Bright	36.000	168	17Zet Aql	2.9860	11000.	72	12797	No
GOM_TRA_1PNPDE20040811_023135_000000412029_00218_12797_0014.N1	11-AUG-2004 02:31:35	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	12797	No
GOM_TRA_1PNPDE20040811_023304_000000382029_00218_12797_0015.N1	11-AUG-2004 02:33:04	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	12797	No
GOM_TRA_1PNPDE20040811_023447_000000382029_00218_12797_0016.N1	11-AUG-2004 02:34:47	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	12797	No
GOM_TRA_1PNPDE20040811_023647_000000392029_00218_12797_0017.N1	11-AUG-2004 02:36:47	Bright	39.000	69	33Gam Dra	2.2310	3800.0	78	12797	No
GOM_TRA_1PNPDE20040811_024012_000000402029_00218_12797_0018.N1	11-AUG-2004 02:40:12	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	12797	No
GOM_TRA_1PNPDE20040811_024506_000000382029_00218_12797_0019.N1	11-AUG-2004 02:45:06	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	12797	No
GOM_TRA_1PNPDE20040811_024653_000000412029_00218_12797_0020.N1	11-AUG-2004 02:46:53	Bright	40.500	49	1Alp UMi	1.9900	6300.0	81	12797	No

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



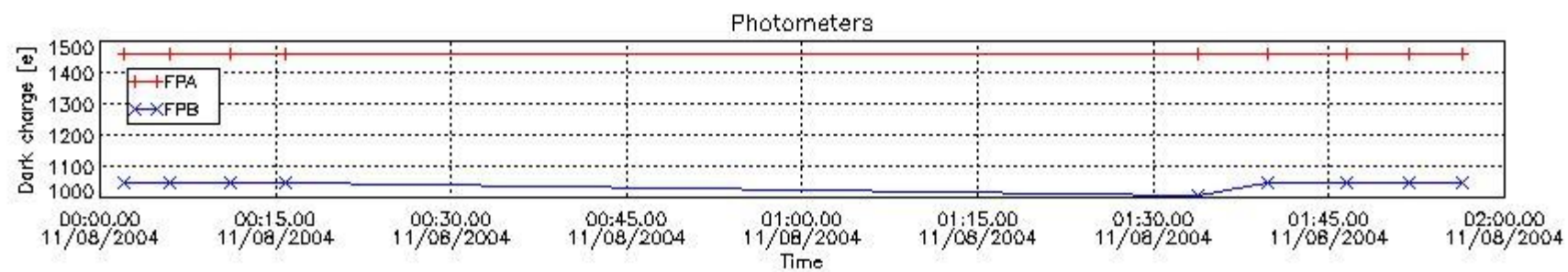
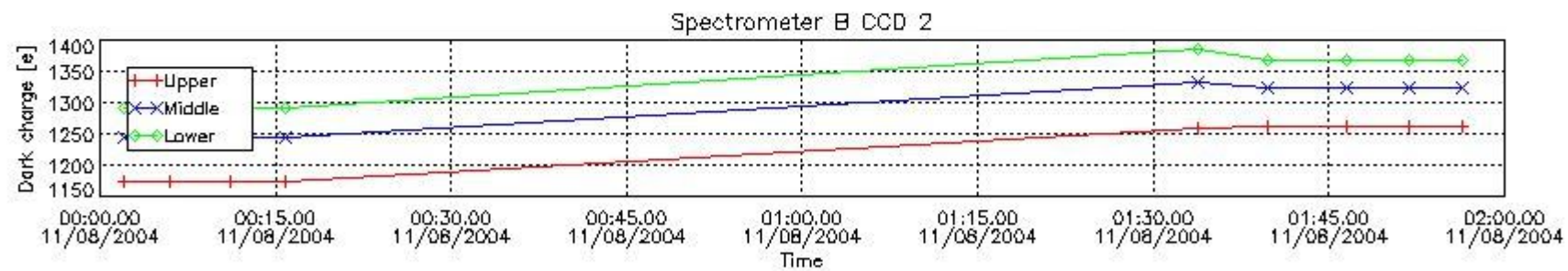
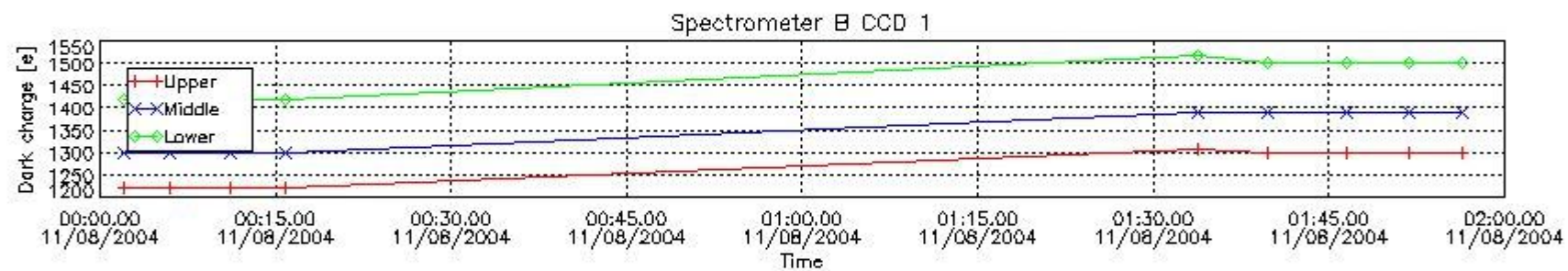
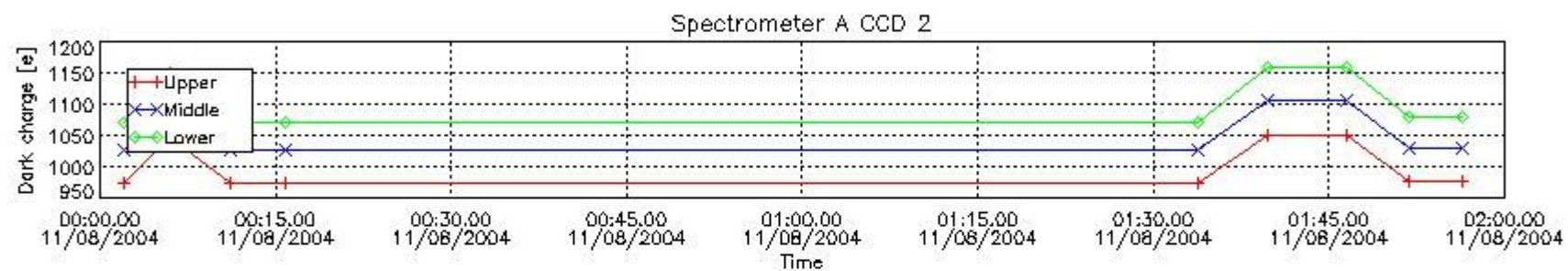
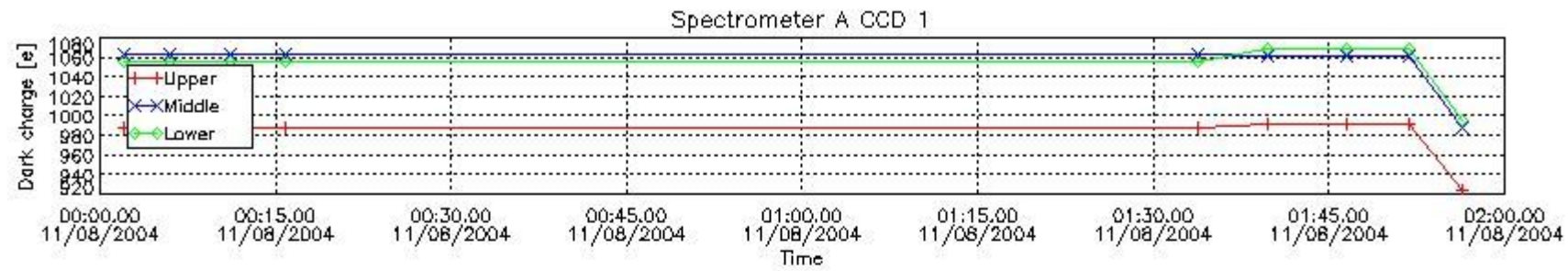
4. Overview of dark signal processing per product

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



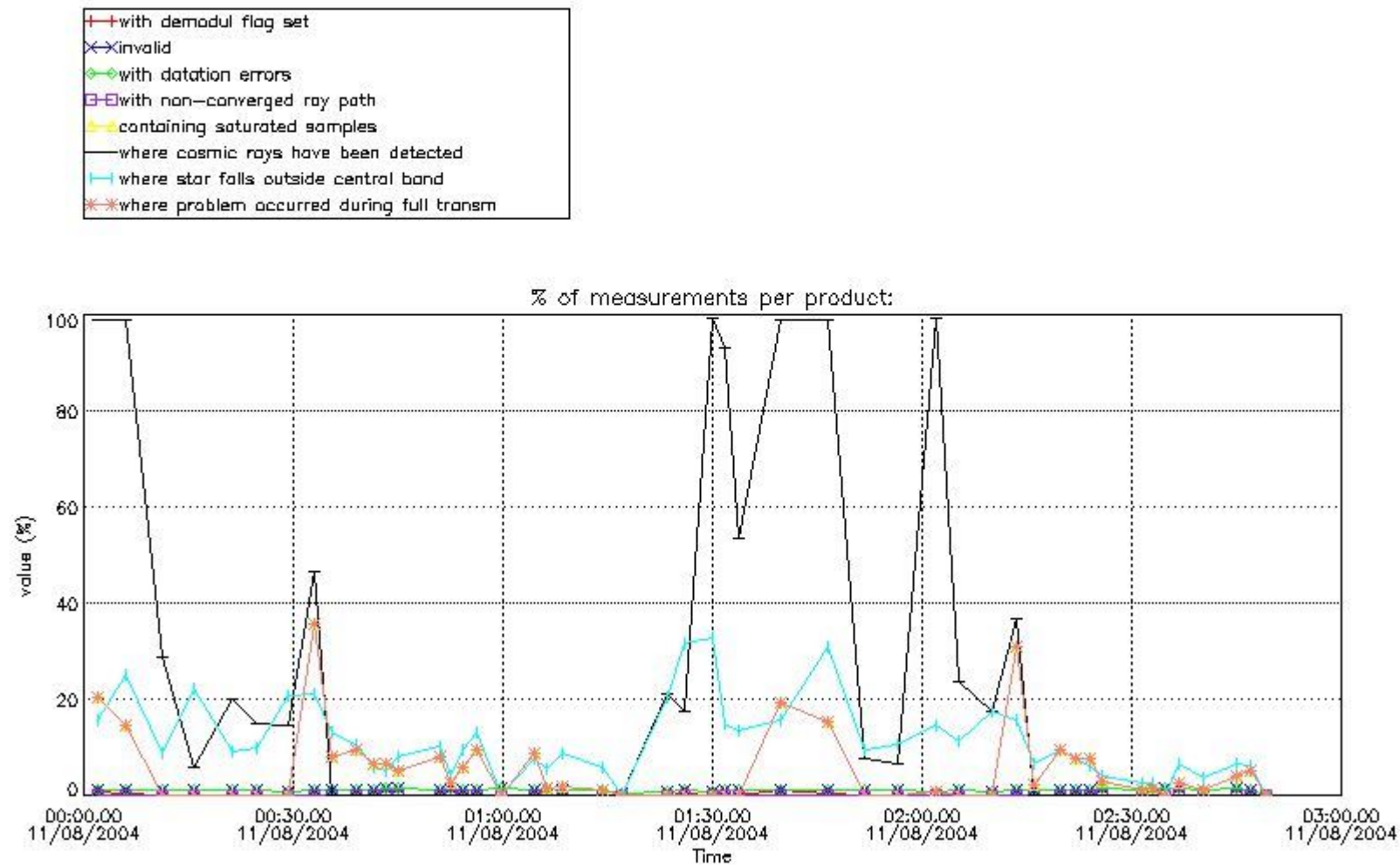
5. Demodulation flag and quality information monitoring

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.

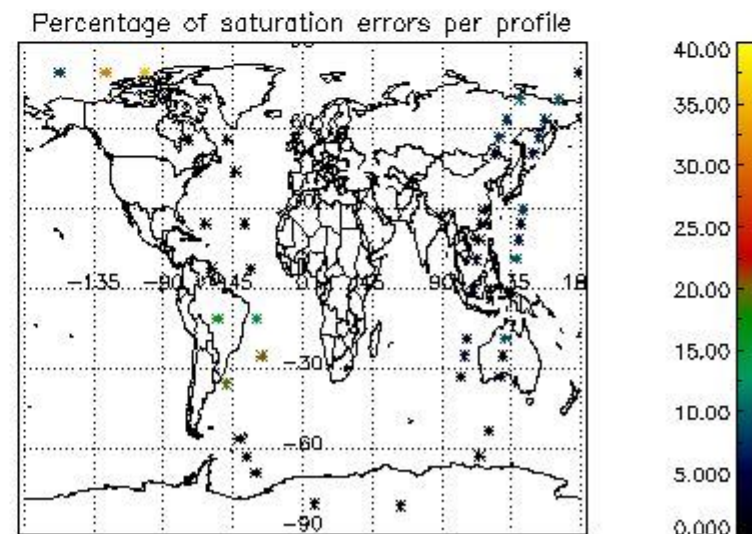
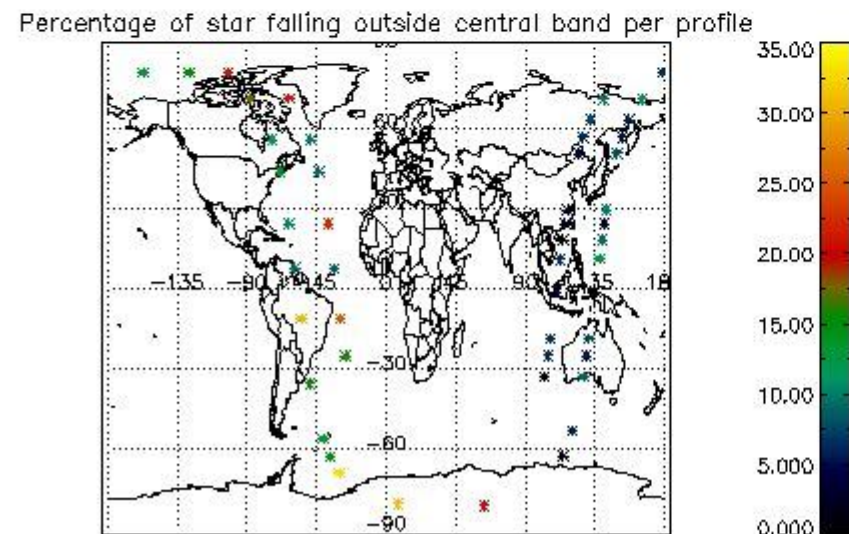
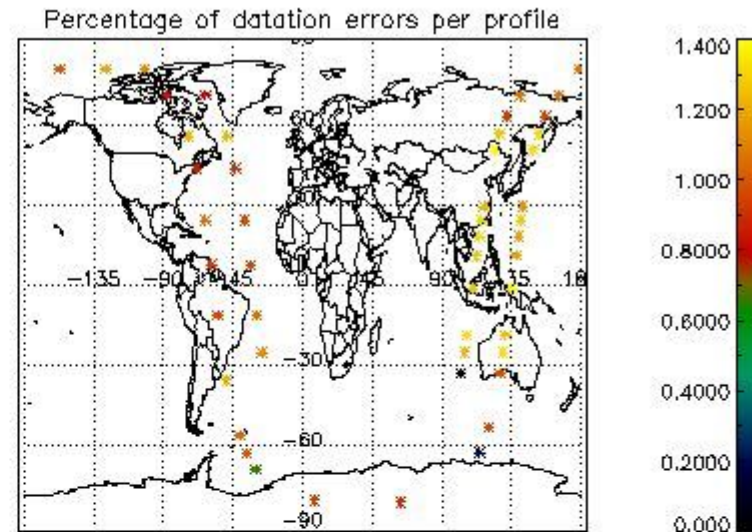
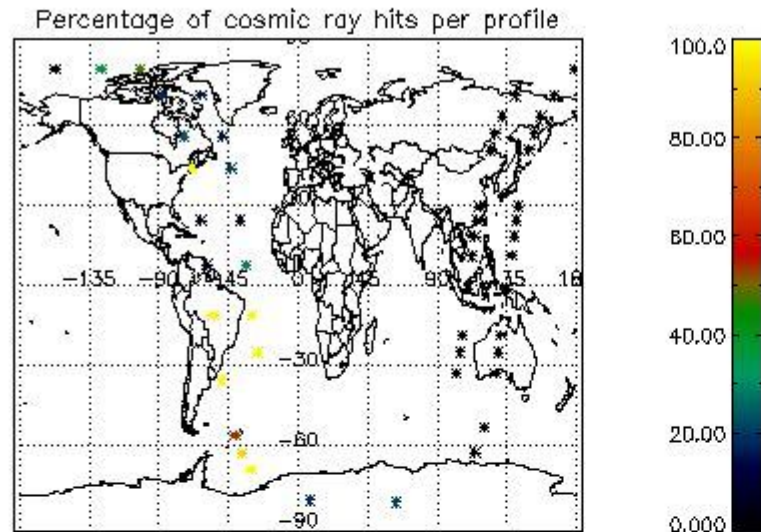
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	18.3673 %
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)



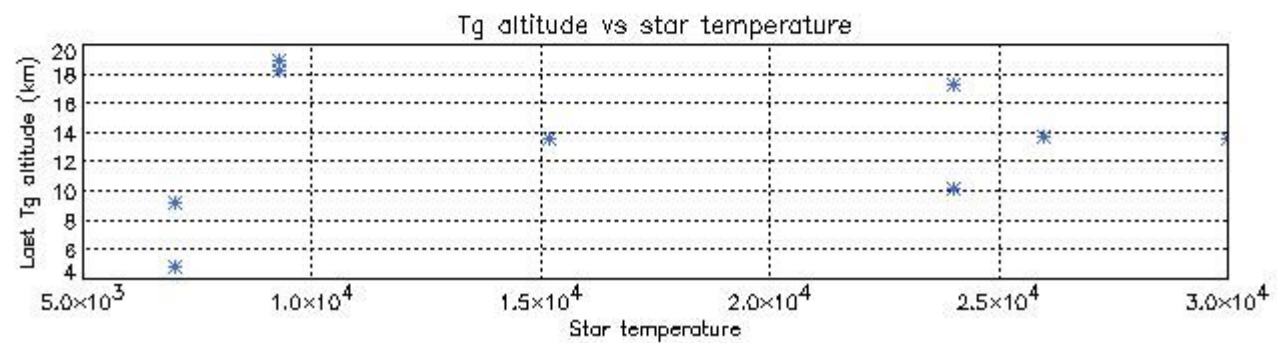
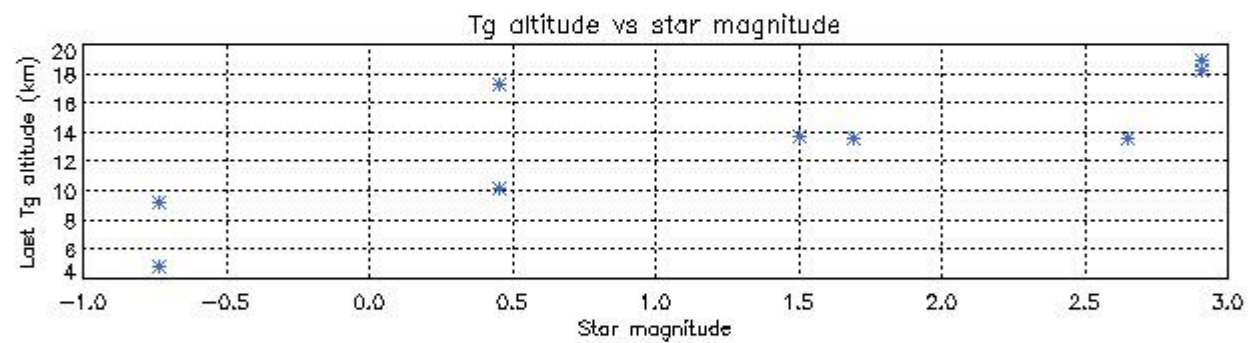
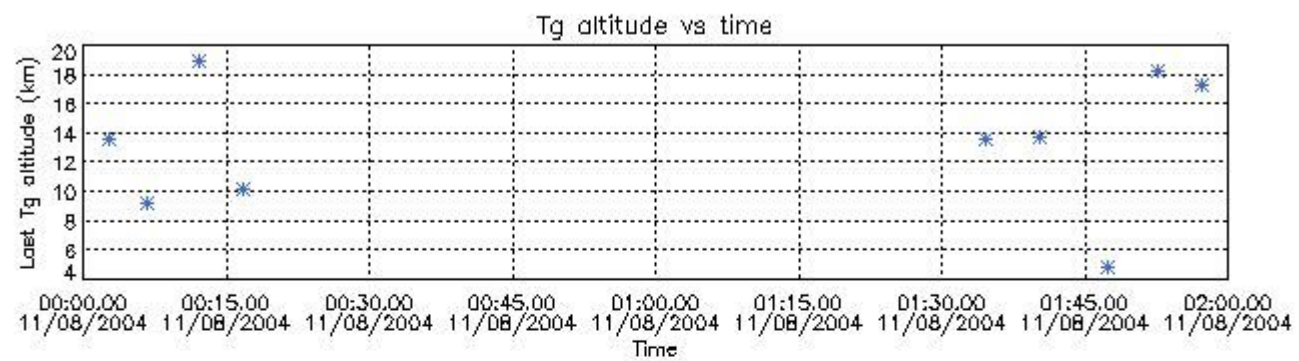
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.273	20.091	19.144
St. deviation:	4.6013	4.4072	19.201
Maximum:	18.860	29.990	68.599
Minimum:	4.8440	11.117	5.4599
Number of data:	9.0000	31.000	9.0000

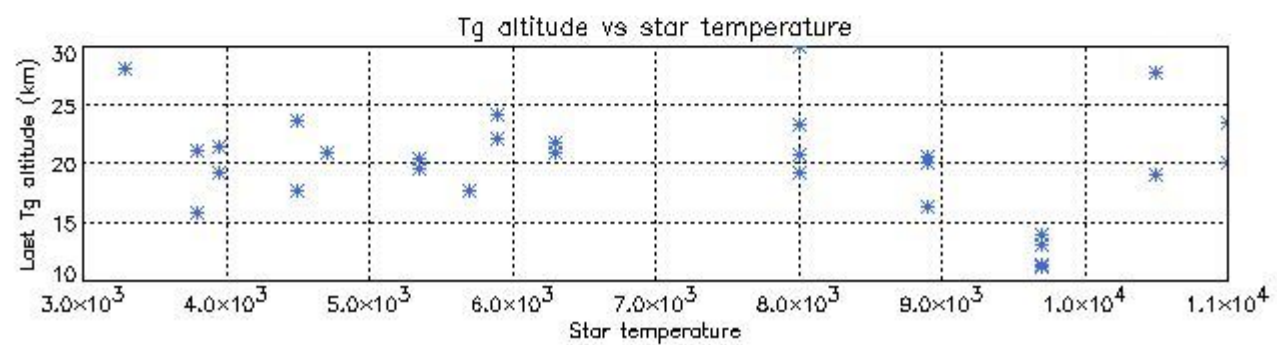
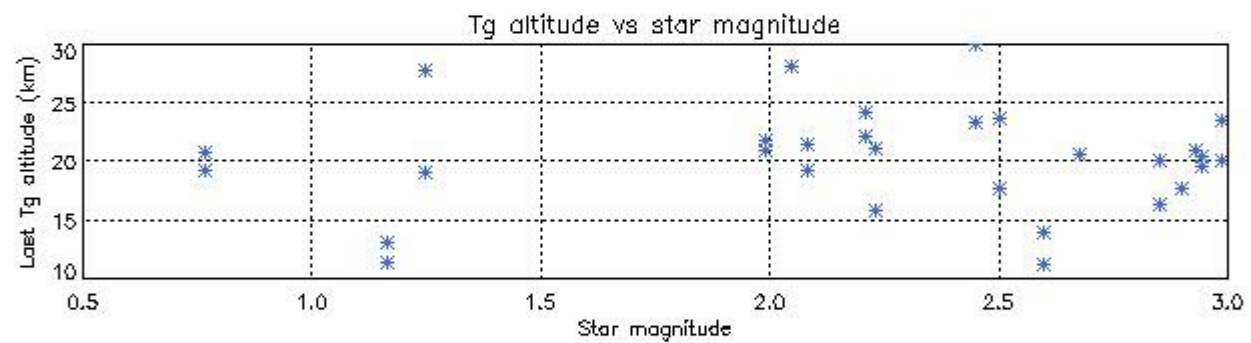
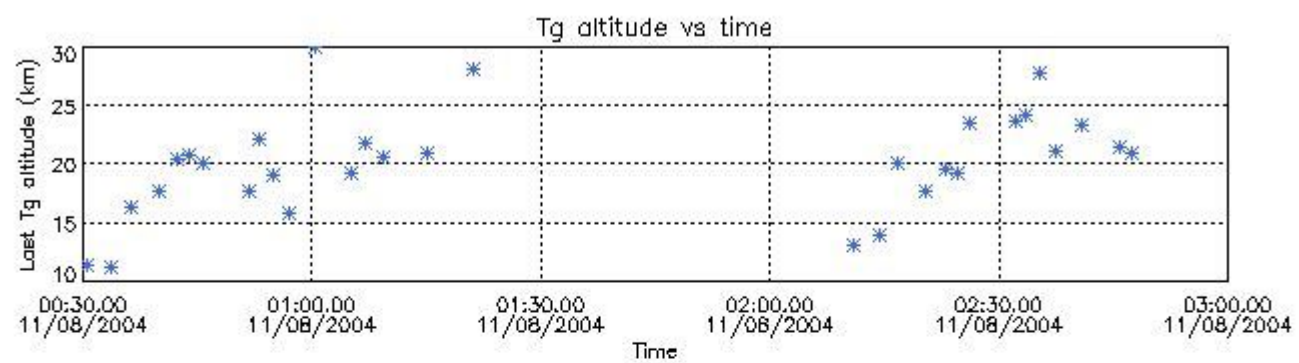
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



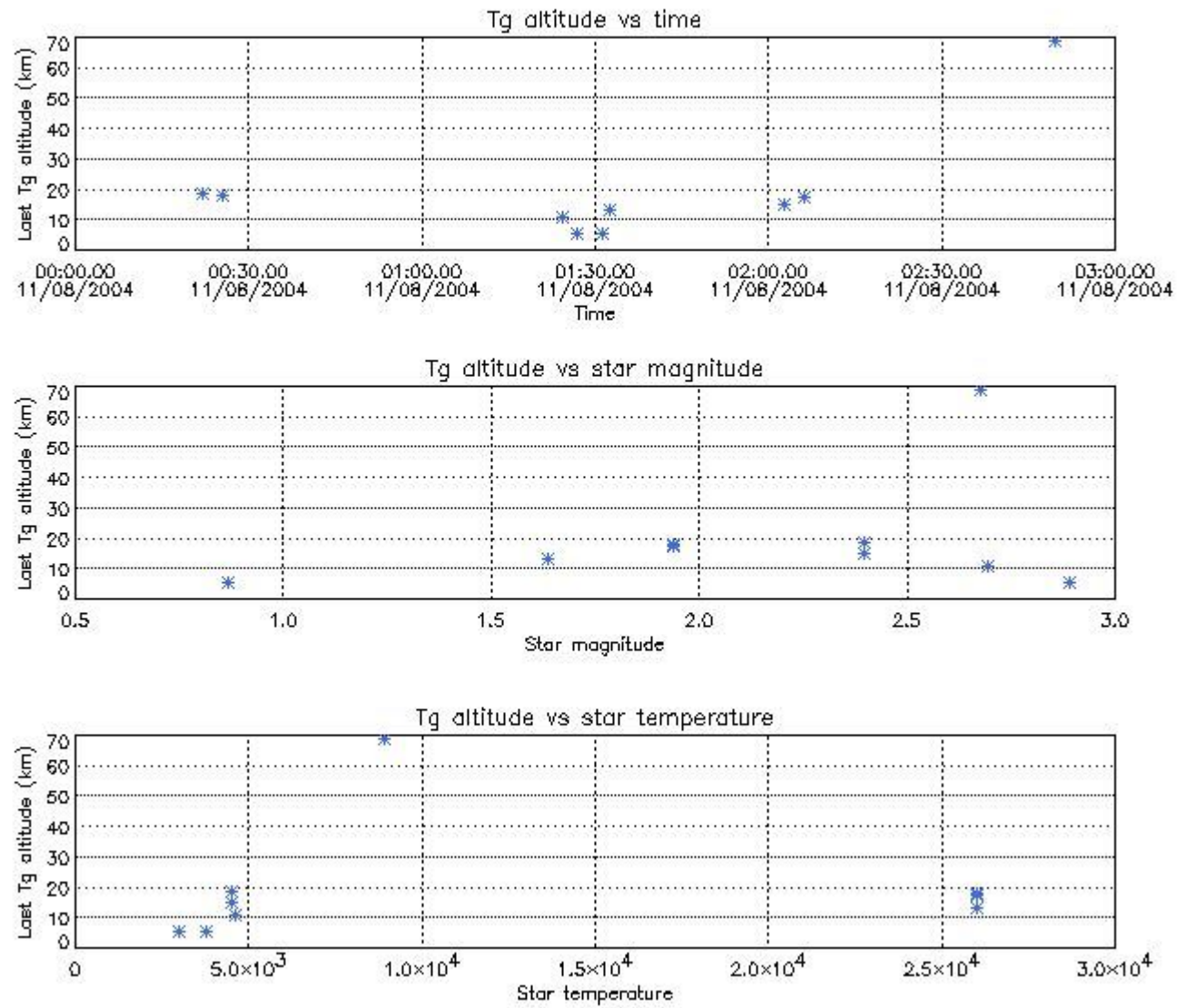
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

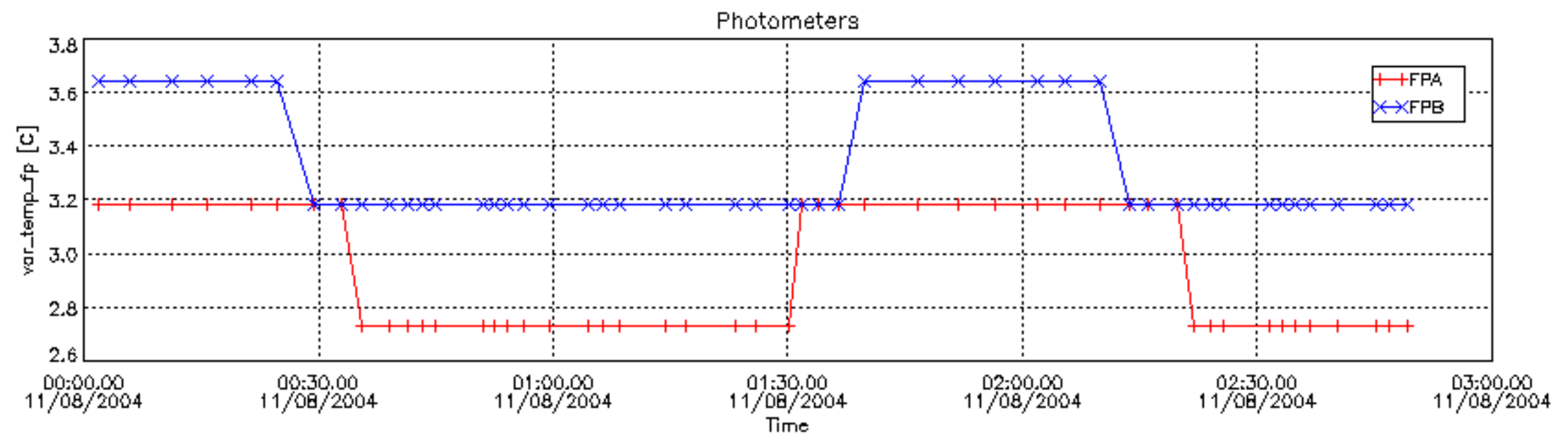
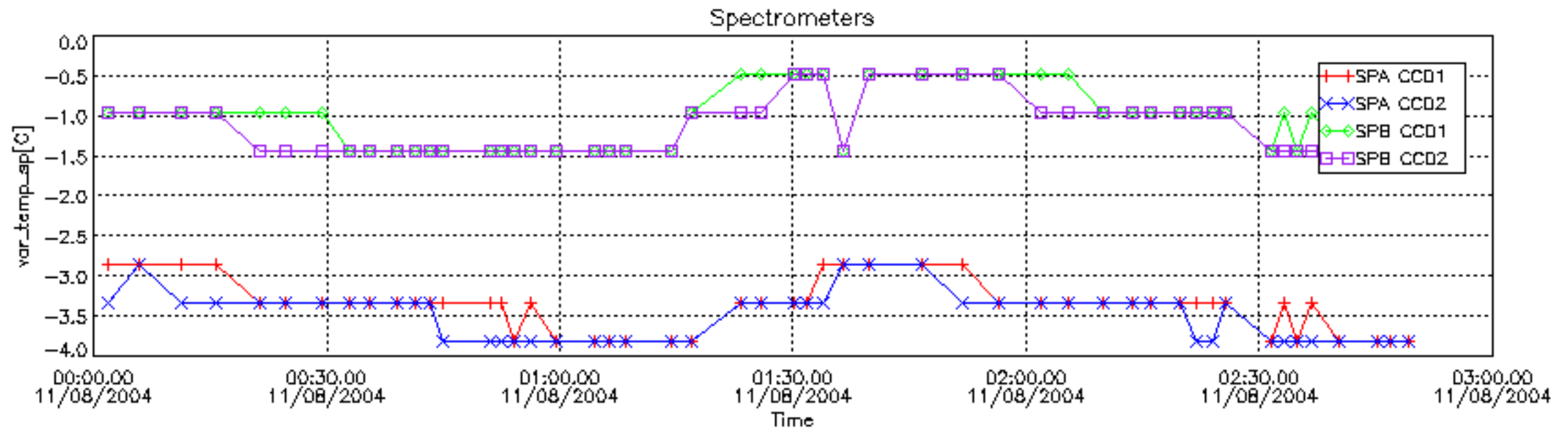
Tangent altitude at which the star is lost

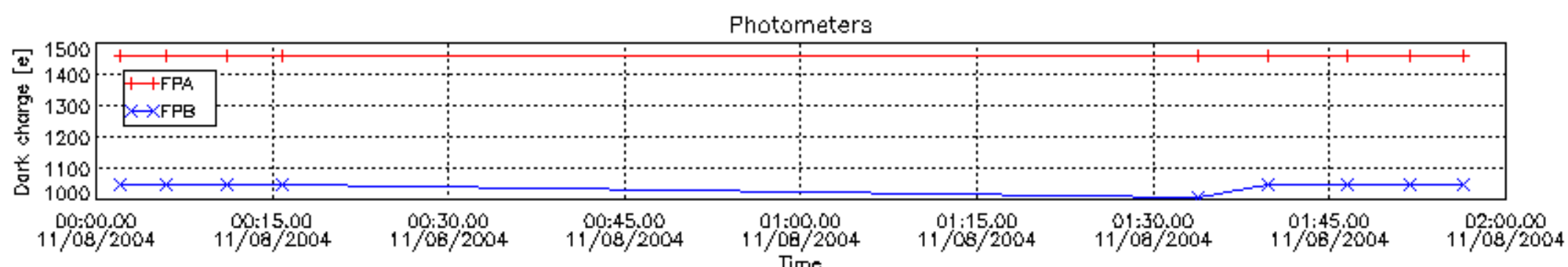
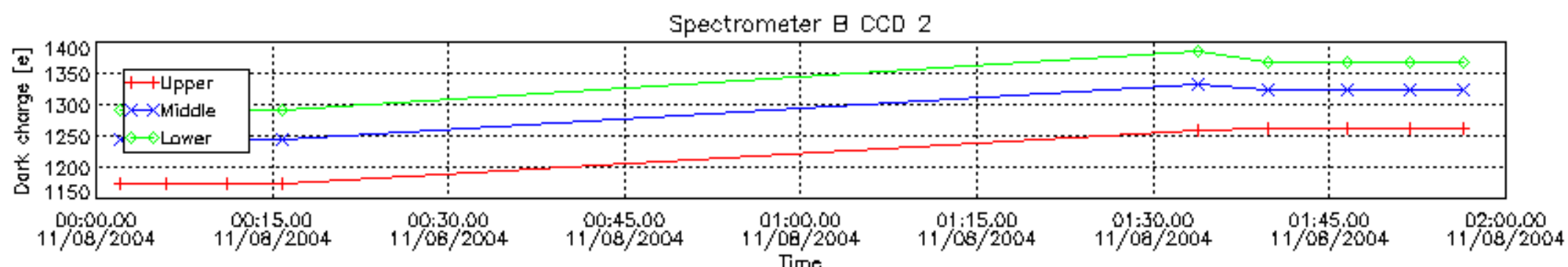
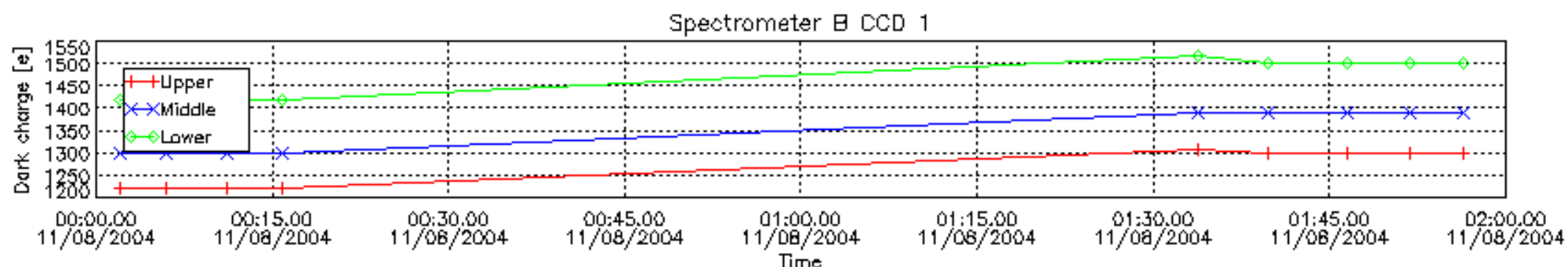
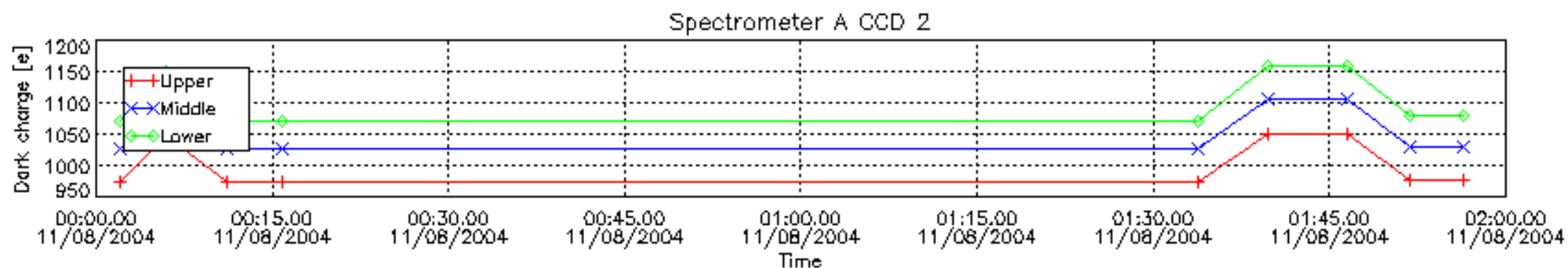
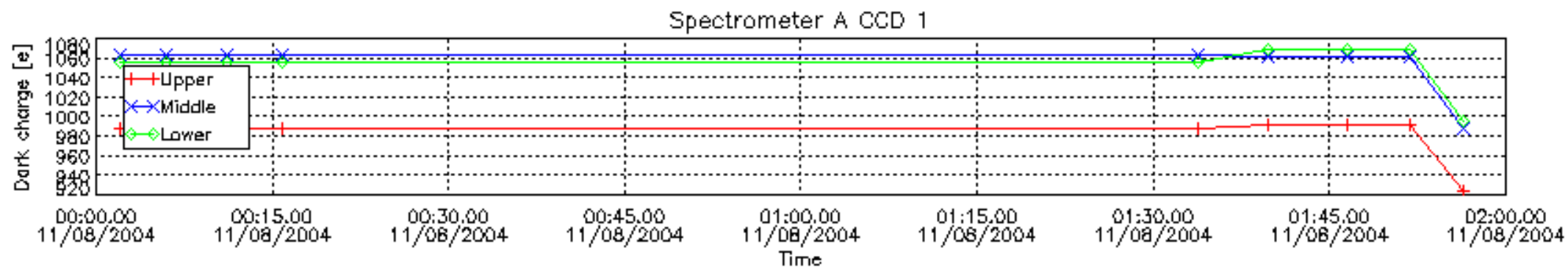


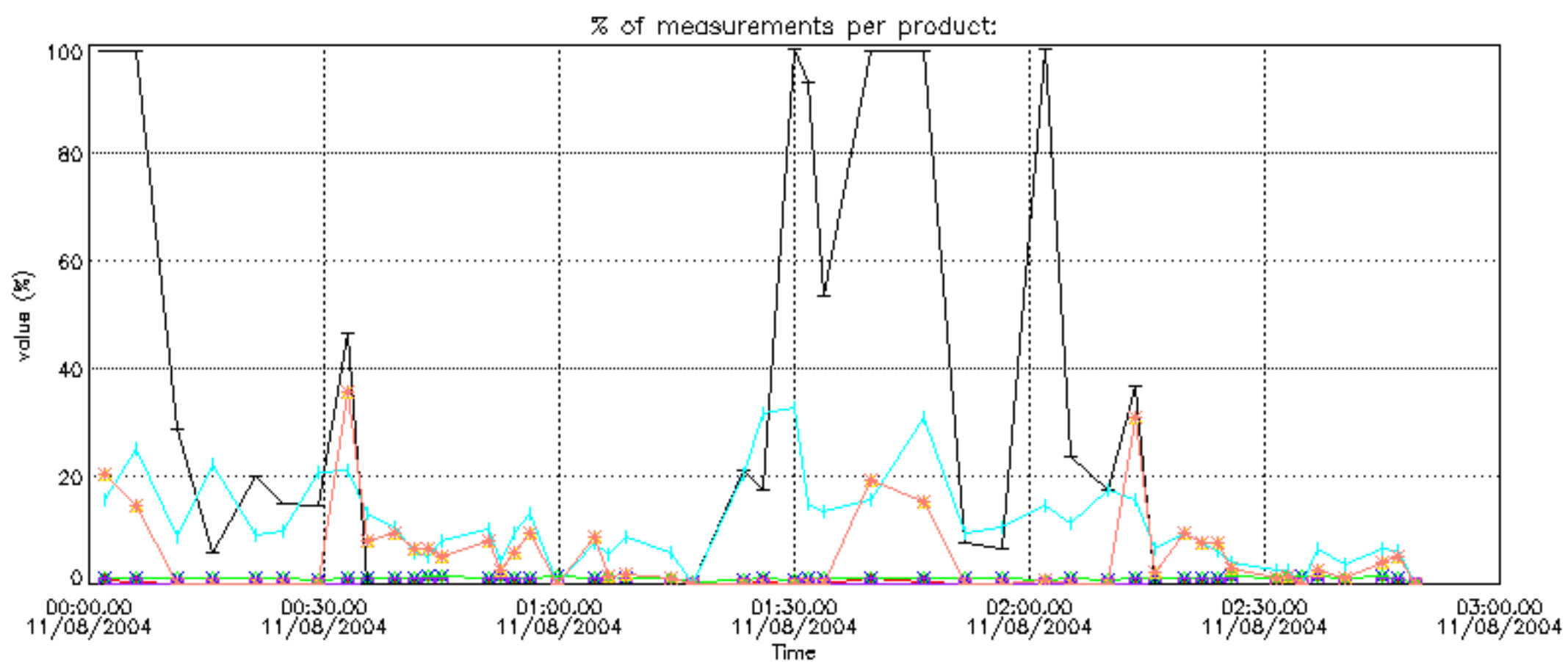
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

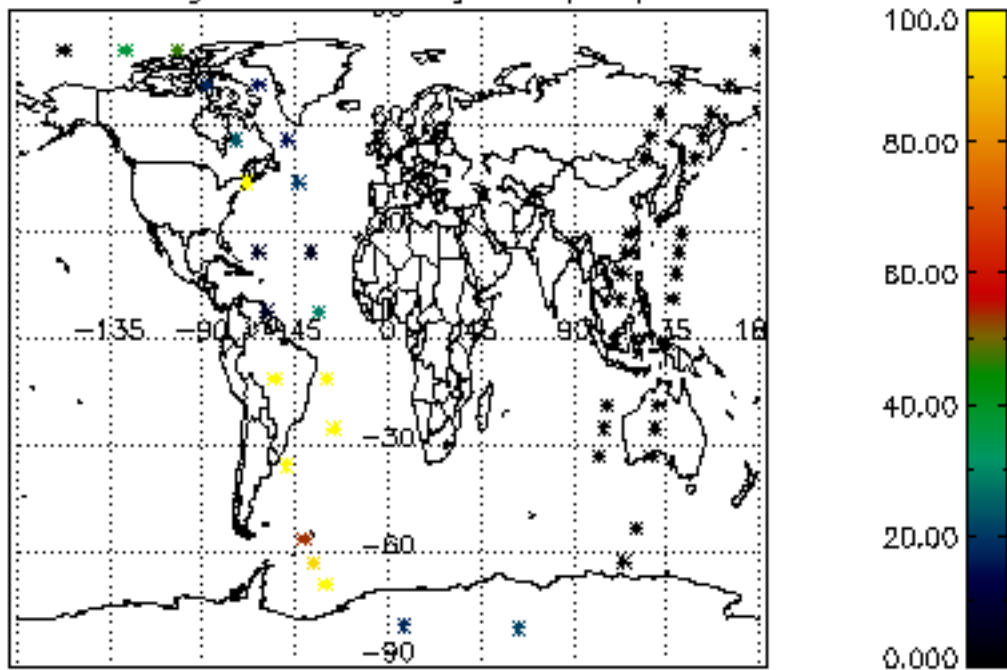
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1461.2	1446.5	1462.0	1447.5
St. deviation:	5.0202	6.0298	6.5175	7.1351
Maximum:	1634.0	1483.0	1505.0	1493.0
Minimum:	1447.0	1438.0	1444.0	1428.0
Number of data:	11100.	11100.	39300.	39300.



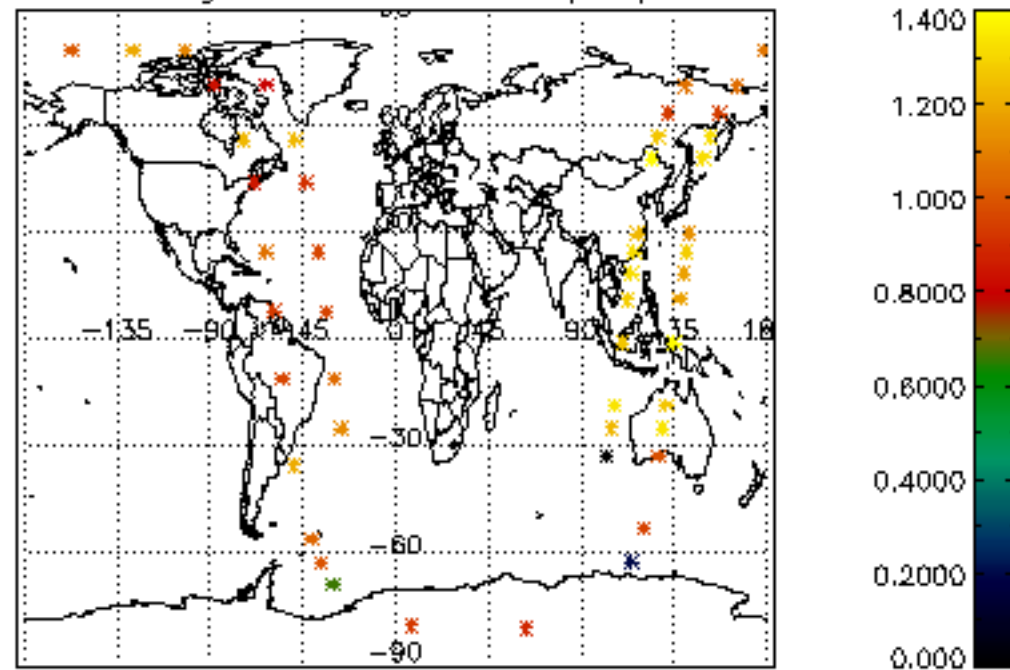




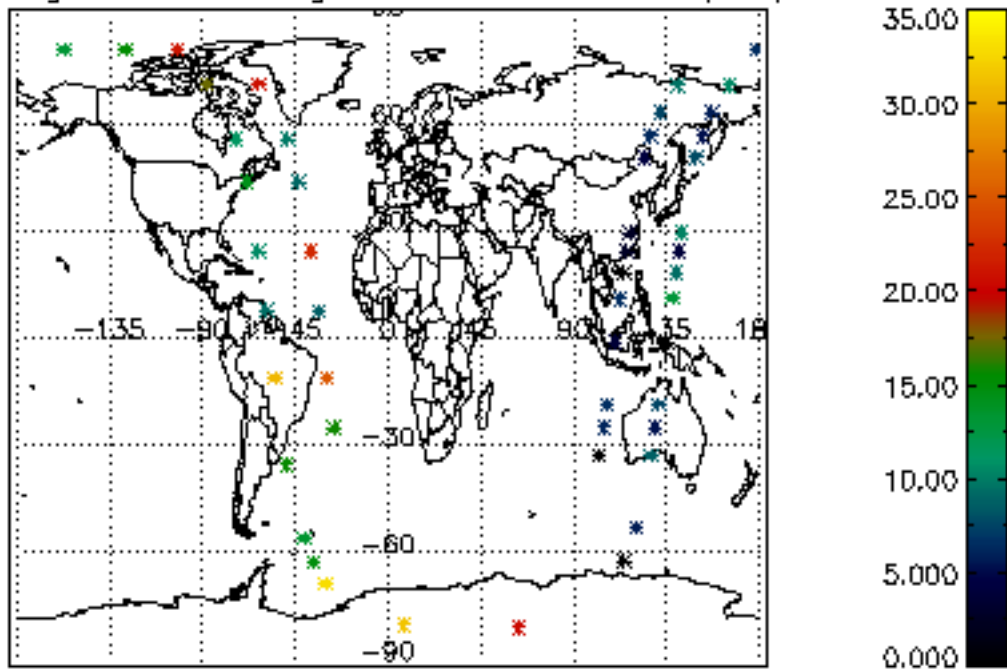
Percentage of cosmic ray hits per profile



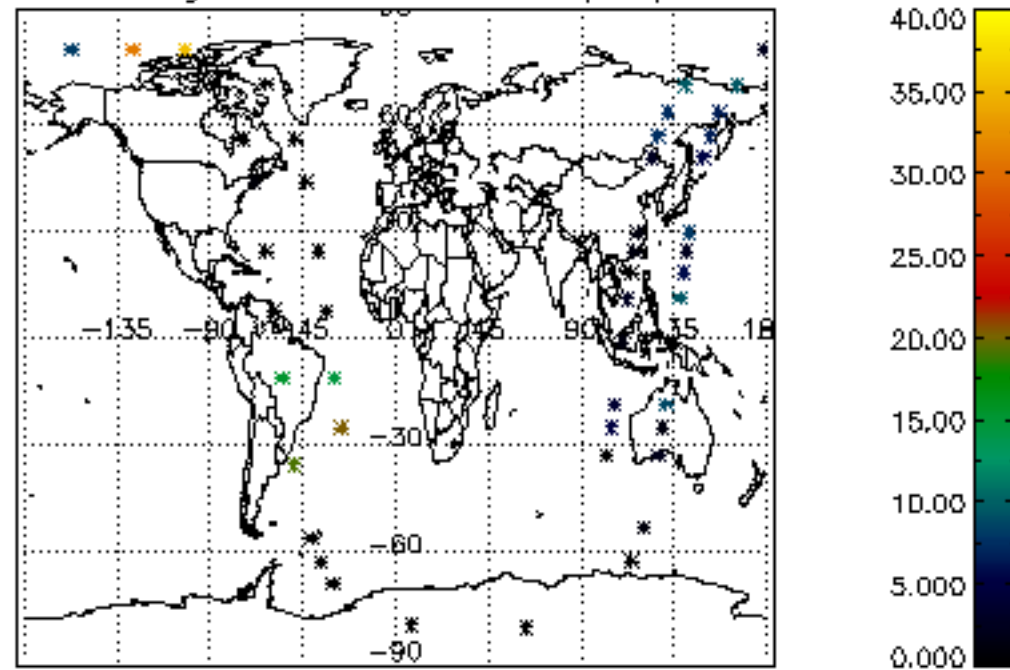
Percentage of datation errors per profile



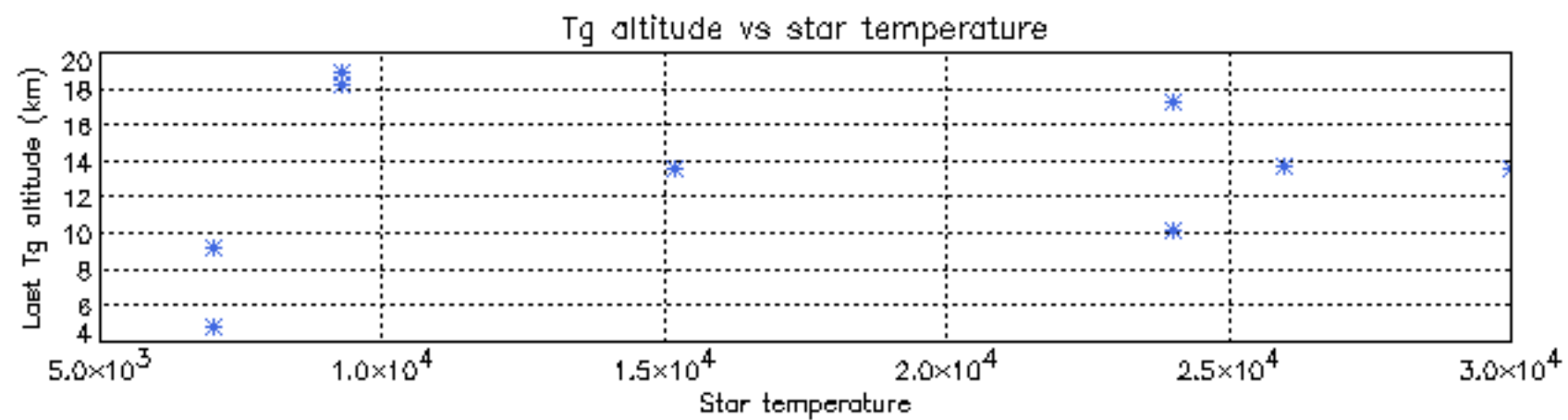
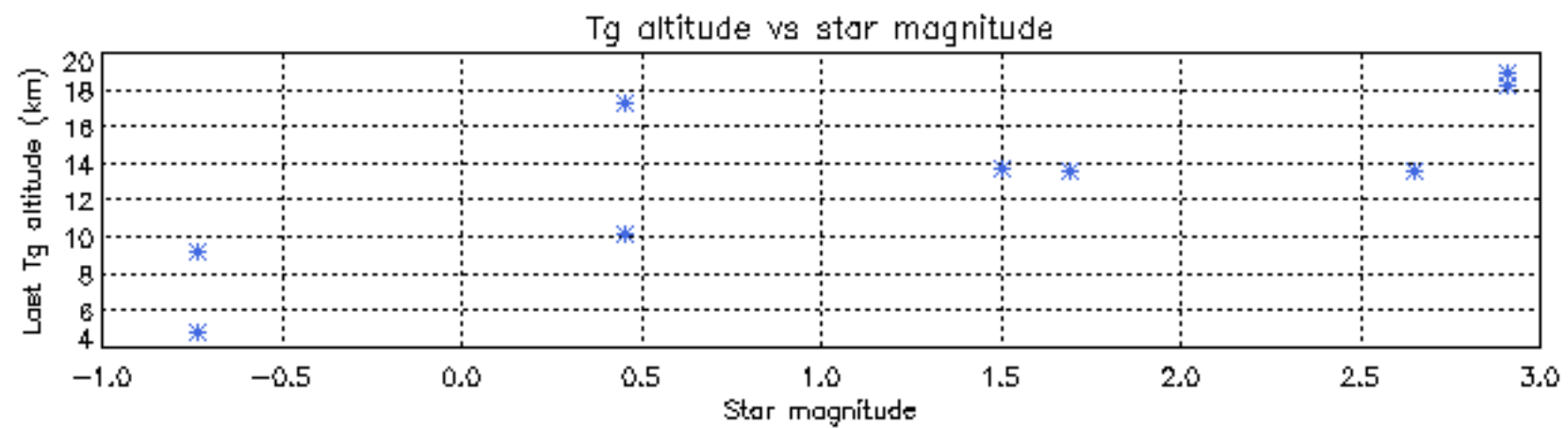
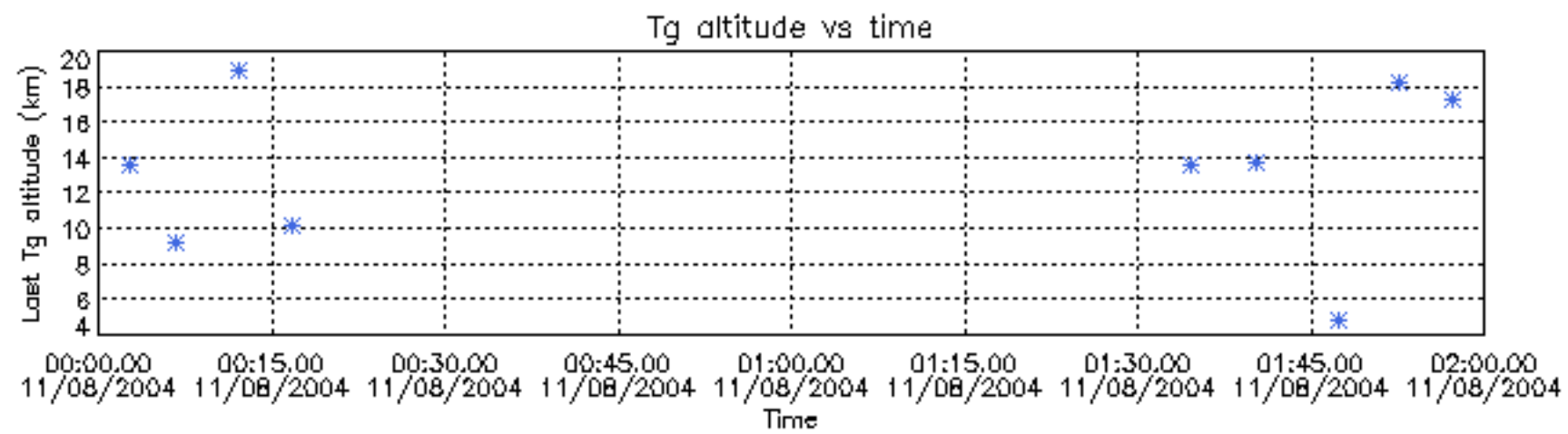
Percentage of star falling outside central band per profile



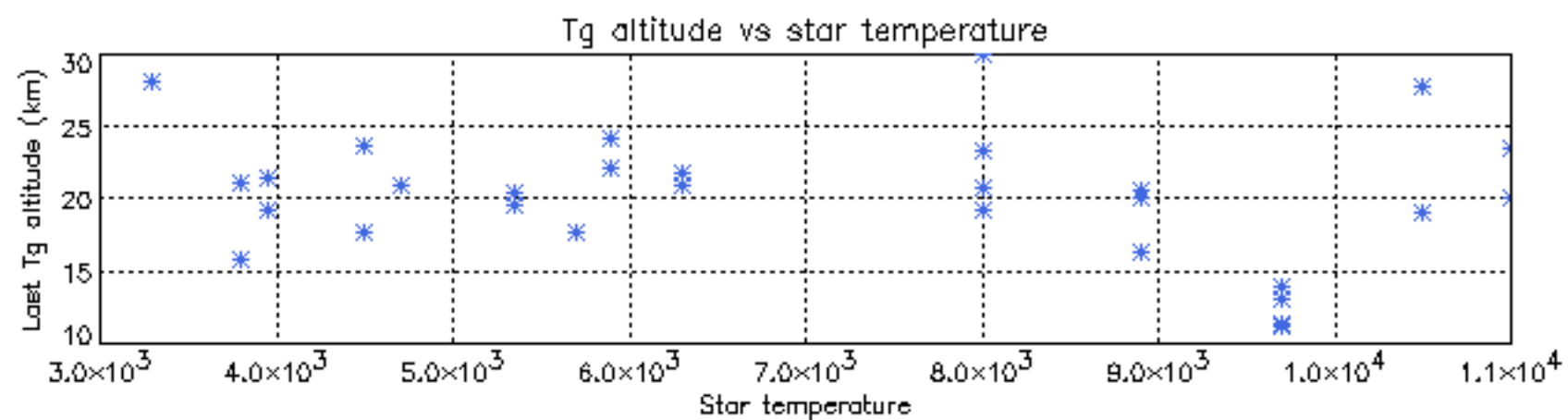
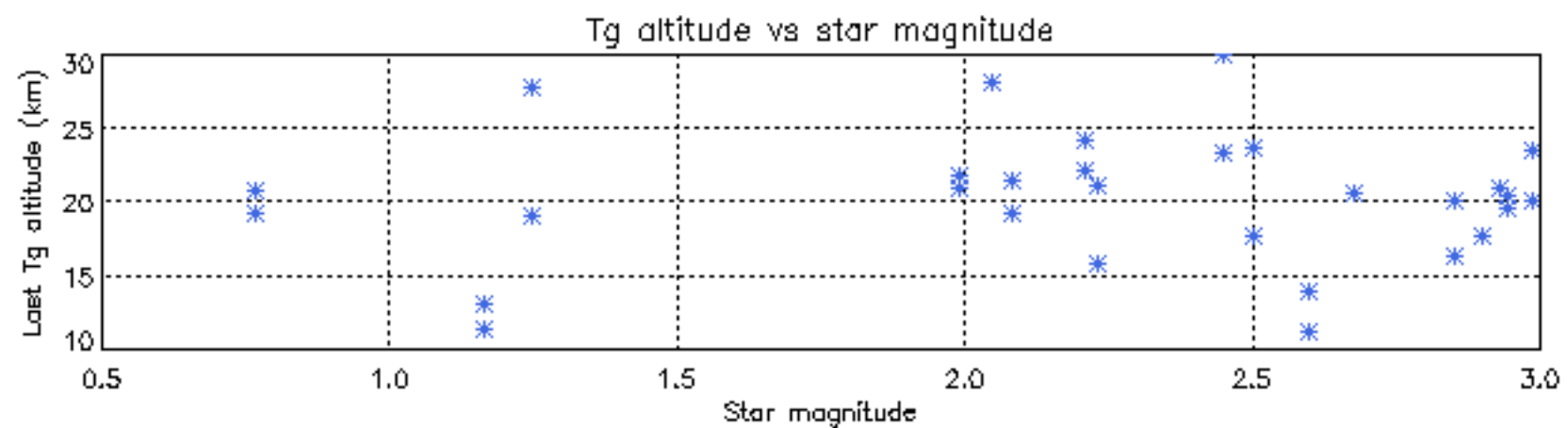
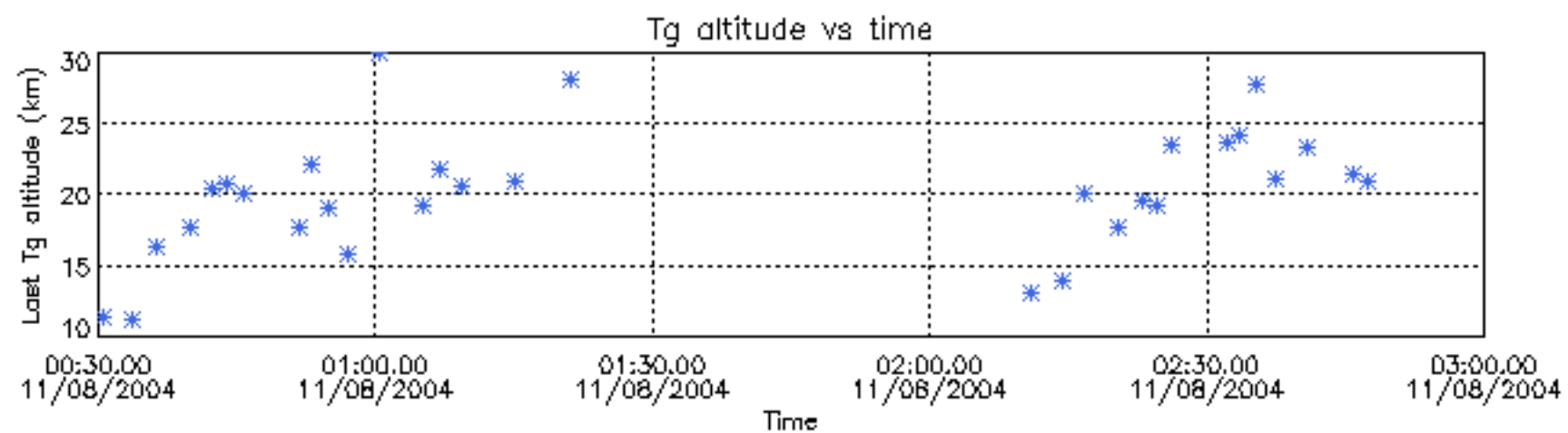
Percentage of saturation errors per profile



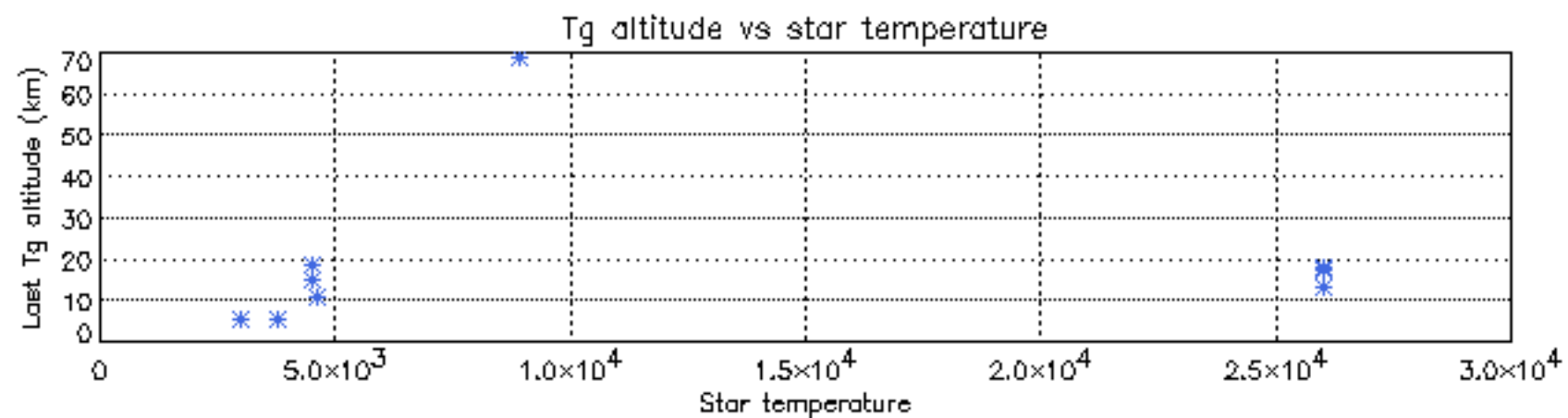
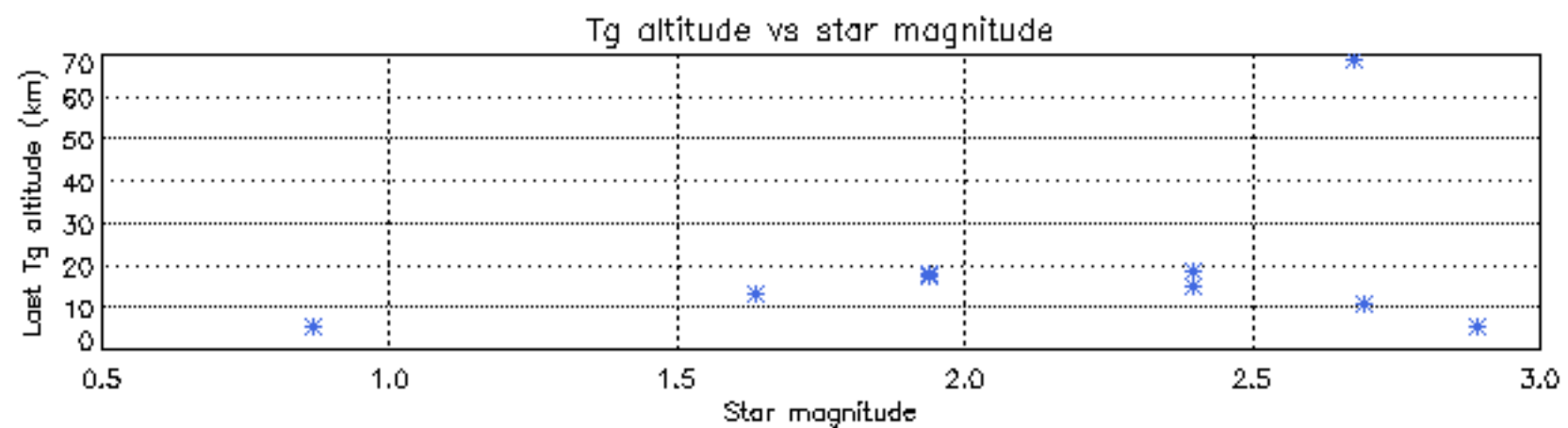
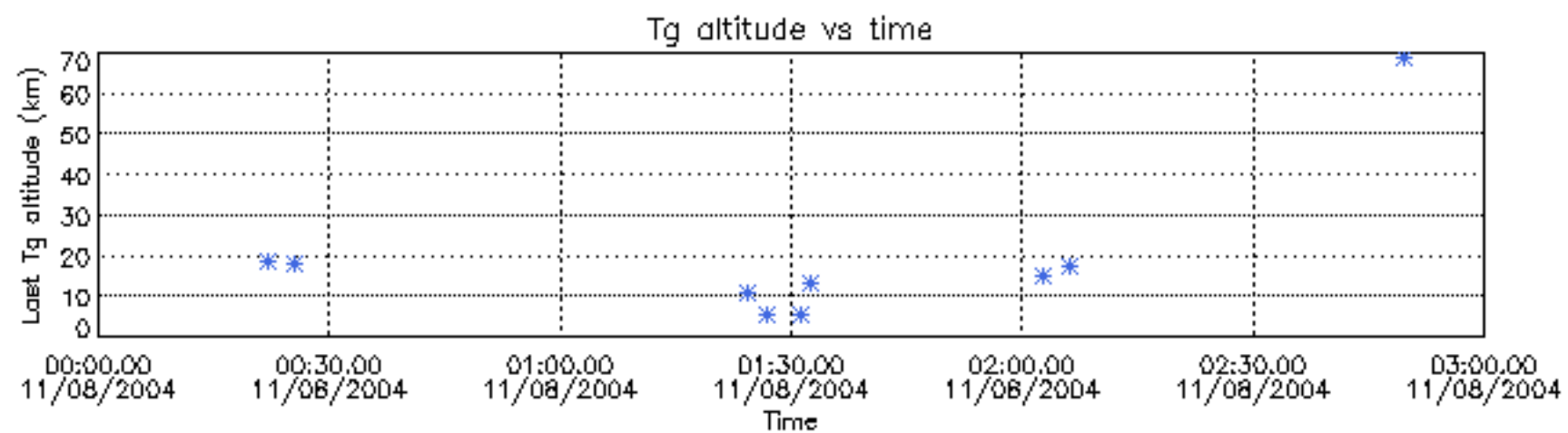
Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



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11;-2067.5; 02-AUG-2004 09:20:57; Bright; 50.5; 160; 23Gam Per ; 2.93; 4700;occ; 101; 0;12672
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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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10;-2456.9; 02-AUG-2004 10:55:04; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 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
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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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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
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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
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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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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