

GOMOS Daily Report 29-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	02SEP2004 05:13:06
Data source version	GOMOS/4.02
Start time of products	QDS_TODAY(/START)-4D (29AUG2004 00:00:00)
Stop time of products	QDS_TODAY(/STOP)-4D (30AUG2004 00:00:00)

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

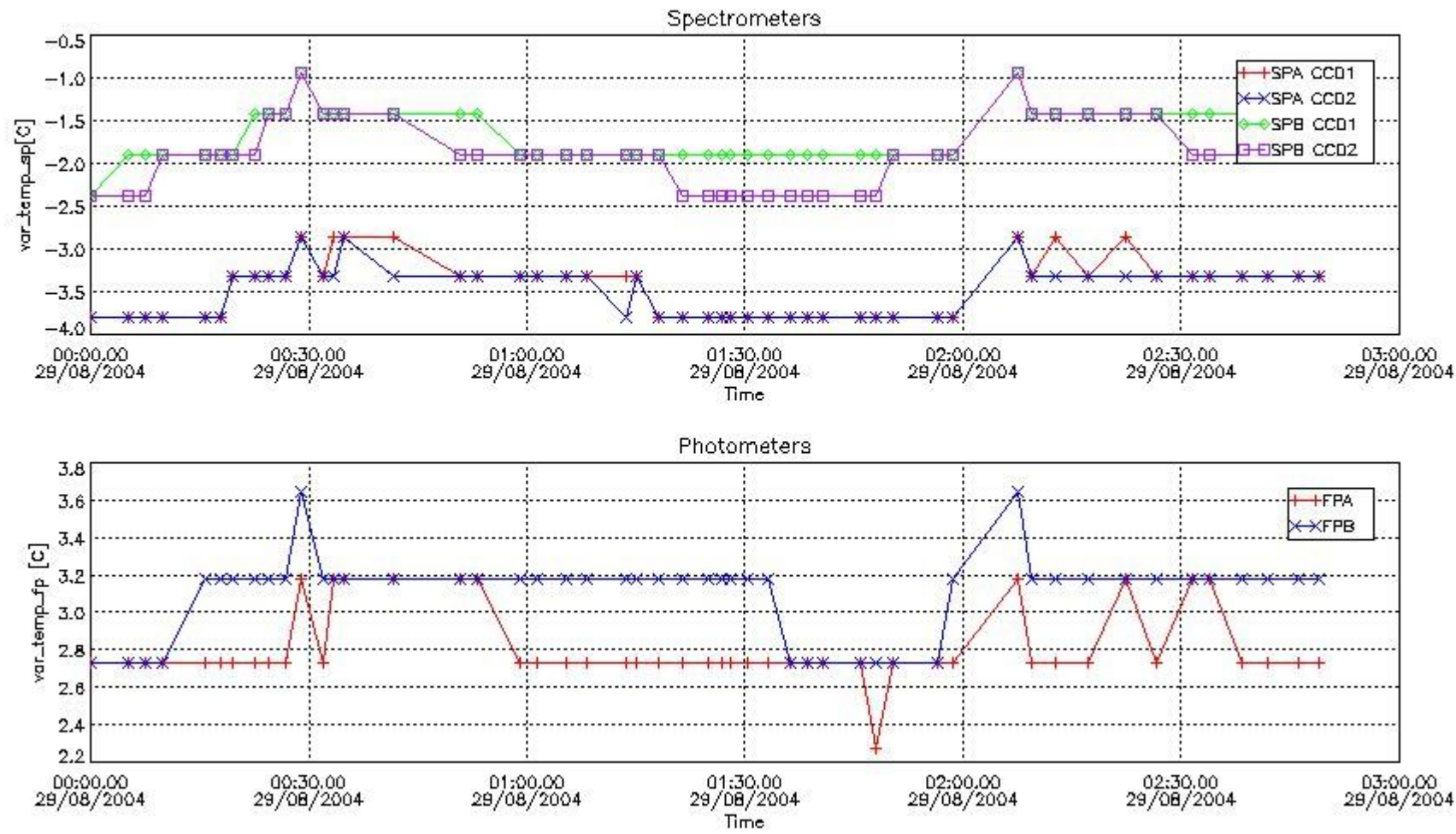
2. Summary of products arrived in PCF (Product Control Facility)

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_1PNPDE20040829_000006_000000402029_00474_13053_0023.N1	29-AUG-2004 00:00:06	Bright	40.000	49	1Alp UMi	1.9900	6300.0	80	13053	No
GOM_TRA_1PNPDE20040829_000514_000000592029_00474_13053_0024.N1	29-AUG-2004 00:05:14	Bright	58.500	160	23Gam Per	2.9300	4700.0	117	13053	No
GOM_TRA_1PNPDE20040829_000725_000000672029_00474_13053_0025.N1	29-AUG-2004 00:07:25	Bright	66.500	35	33Alp Per	1.7950	6250.0	133	13053	No
GOM_TRA_1PNPDE20040829_000952_000002552029_00474_13053_0026.N1	29-AUG-2004 00:09:52	Bright	255.00	173	4Bet Tri	3.0040	8900.0	510	13053	No
GOM_TRA_1PNPDE20040829_001551_000000472029_00474_13053_0027.N1	29-AUG-2004 00:15:51	Twilight	47.000	107	37The Aur	2.6490	11000.	94	13053	No
GOM_TRA_1PNPDE20040829_001759_000000472029_00474_13053_0028.N1	29-AUG-2004 00:17:59	Twilight	47.000	17	78Bet Gem	1.1610	4500.0	94	13053	No
GOM_TRA_1PNPDE20040829_001930_000000662029_00474_13053_0029.N1	29-AUG-2004 00:19:30	Twilight	65.500	28	12Bet Tau	1.6500	15200.	131	13053	No
GOM_TRA_1PNPDE20040829_002231_000000532029_00474_13053_0030.N1	29-AUG-2004 00:22:31	Twilight	52.500	44	24Gam Gem	1.9280	11000.	105	13053	No
GOM_TRA_1PNPDE20040829_002434_000000532029_00474_13053_0031.N1	29-AUG-2004 00:24:34	Twilight	53.000	8	10Alp CMI	0.40000	6500.0	106	13053	No
GOM_TRA_1PNPDE20040829_002652_000000672029_00474_13053_0032.N1	29-AUG-2004 00:26:52	Dark	66.500	14	58Alp Ori	0.87000	3000.0	133	13053	No
GOM_TRA_1PNPDE20040829_002852_000000652029_00474_13053_0000.N1	29-AUG-2004 00:28:52	Dark	65.000	27	24Gam Ori	1.6360	26000.	130	13053	Yes
GOM_TRA_1PNPDE20040829_003204_000000562029_00474_13053_0001.N1	29-AUG-2004 00:32:04	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	13053	No
GOM_TRA_1PNPDE20040829_003323_000000452029_00474_13053_0002.N1	29-AUG-2004 00:33:23	Dark	45.000	179	24Omi2CMA	3.0320	24000.	90	13053	No
GOM_TRA_1PNPDE20040829_003453_000000472029_00474_13053_0003.N1	29-AUG-2004 00:34:53	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	13053	No
GOM_TRA_1PNPDE20040829_004139_000000492029_00474_13053_0004.N1	29-AUG-2004 00:41:39	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	13053	No
GOM_TRA_1PNPDE20040829_005049_000000582029_00475_13054_0005.N1	29-AUG-2004 00:50:49	Dark	57.500	157	The1Eri	2.9060	9300.0	115	13054	No
GOM_TRA_1PNPDE20040829_005309_000000472029_00475_13054_0006.N1	29-AUG-2004 00:53:09	Dark	46.500	9	Alp Eri	0.45300	24000.	93	13054	No
GOM_TRA_1PNPDE20040829_005907_000000602029_00475_13054_0007.N1	29-AUG-2004 00:59:07	Twilight	60.000	84	Alp Phe	2.3970	4500.0	120	13054	No
GOM_TRA_1PNPDE20040829_010122_000000492029_00475_13054_0008.N1	29-AUG-2004 01:01:22	Bright	48.500	31	Alp Gru	1.7340	15200.	97	13054	No
GOM_TRA_1PNPDE20040829_010525_000000532029_00475_13054_0009.N1	29-AUG-2004 01:05:25	Bright	52.500	18	24Alp PsA	1.1660	9700.0	105	13054	No
GOM_TRA_1PNPDE20040829_010813_000001112029_00475_13054_0010.N1	29-AUG-2004 01:08:13	Bright	110.50	52	16Bet Cet	2.0370	4500.0	221	13054	No
GOM_TRA_1PNPDE20040829_011334_000000412029_00475_13054_0011.N1	29-AUG-2004 01:13:34	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	13054	No
GOM_TRA_1PNPDE20040829_011504_000000452029_00475_13054_0012.N1	29-AUG-2004 01:15:04	Bright	45.000	162	34Alp Aqr	2.9440	5350.0	90	13054	No
GOM_TRA_1PNPDE20040829_011806_000000422029_00475_13054_0013.N1	29-AUG-2004 01:18:06	Bright	41.500	61	8Eps Peg	2.1000	3900.0	83	13054	No
GOM_TRA_1PNPDE20040829_012121_000000522029_00475_13054_0014.N1	29-AUG-2004 01:21:21	Bright	52.000	90	54Alp Peg	2.4870	11000.	104	13054	No
GOM_TRA_1PNPDE20040829_012455_000000372029_00475_13054_0015.N1	29-AUG-2004 01:24:55	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	13054	No
GOM_TRA_1PNPDE20040829_012645_000000372029_00475_13054_0016.N1	29-AUG-2004 01:26:45	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	13054	No
GOM_TRA_1PNPDE20040829_012804_000000392029_00475_13054_0017.N1	29-AUG-2004 01:28:04	Bright	38.500	19	50Alp Cyg	1.2460	10500.	77	13054	No
GOM_TRA_1PNPDE20040829_013023_000000682029_00475_13054_0018.N1	29-AUG-2004 01:30:23	Bright	68.000	58	21Alp And	2.0730	11000.	136	13054	No
GOM_TRA_1PNPDE20040829_013309_000000392029_00475_13054_0019.N1	29-AUG-2004 01:33:09	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	13054	No
GOM_TRA_1PNPDE20040829_013615_000000512029_00475_13054_0020.N1	29-AUG-2004 01:36:15	Bright	50.500	74	11Bet Cas	2.2680	6600.0	101	13054	No
GOM_TRA_1PNPDE20040829_013828_000000442029_00475_13054_0021.N1	29-AUG-2004 01:38:28	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	13054	No
GOM_TRA_1PNPDE20040829_014042_000000412029_00475_13054_0022.N1	29-AUG-2004 01:40:42	Bright	40.500	49	1Alp UMi	1.9900	6300.0	81	13054	No
GOM_TRA_1PNPDE20040829_014549_000000562029_00475_13054_0023.N1	29-AUG-2004 01:45:49	Bright	56.000	160	23Gam Per	2.9300	4700.0	112	13054	No
GOM_TRA_1PNPDE20040829_014800_000000642029_00475_13054_0024.N1	29-AUG-2004 01:48:00	Bright	64.000	35	33Alp Per	1.7950	6250.0	128	13054	No
GOM_TRA_1PNPDE20040829_015025_000002552029_00475_13054_0025.N1	29-AUG-2004 01:50:25	Bright	255.00	173	4Bet Tri	3.0040	8900.0	510	13054	No
GOM_TRA_1PNPDE20040829_015626_000000472029_00475_13054_0026.N1	29-AUG-2004 01:56:26	Twilight	46.500	107	37The Aur	2.6490	11000.	93	13054	No
GOM_TRA_1PNPDE20040829_015837_000000422029_00475_13054_0027.N1	29-AUG-2004 01:58:37	Twilight	42.000	17	78Bet Gem	1.1610	4500.0	84	13054	No
GOM_TRA_1PNPDE20040829_020729_000000732029_00475_13054_0000.N1	29-AUG-2004 02:07:29	Dark	73.000	14	58Alp Ori	0.87000	3000.0	146	13054	Yes
GOM_TRA_1PNPDE20040829_020929_000000702029_00475_13054_0001.N1	29-AUG-2004 02:09:29	Dark	69.500	27	24Gam Ori	1.6360	26000.	139	13054	No
GOM_TRA_1PNPDE20040829_021241_000000572029_00475_13054_0002.N1	29-AUG-2004 02:12:41	Dark	57.000	1	9Alp CMa	-1.4400	11000.	114	13054	No
GOM_TRA_1PNPDE20040829_021714_000000402029_00475_13054_0003.N1	29-AUG-2004 02:17:14	Dark	40.000	70	Zet Pup	2.2460	39000.	80	13054	No
GOM_TRA_1PNPDE20040829_022217_000000502029_00475_13054_0004.N1	29-AUG-2004 02:22:17	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	13054	No
GOM_TRA_1PNPDE20040829_022640_000001262029_00476_13055_0005.N1	29-AUG-2004 02:26:40	Dark	126.00	165	34Gam Eri	2.9500	3200.0	252	13055	No
GOM_TRA_1PNPDE20040829_023126_000000592029_00476_13055_0006.N1	29-AUG-2004 02:31:26	Dark	58.500	157	The1Eri	2.9060	9300.0	117	13055	No
GOM_TRA_1PNPDE20040829_023346_000000492029_00476_13055_0007.N1	29-AUG-2004 02:33:46	Dark	49.000	9	Alp Eri	0.45300	24000.	98	13055	No
GOM_TRA_1PNPDE20040829_023821_000000452029_00476_13055_0008.N1	29-AUG-2004 02:38:21	Twilight	44.500	148	Alp Tuc	2.8780	4100.0	89	13055	No
GOM_TRA_1PNPDE20040829_024158_000000512029_00476_13055_0009.N1	29-AUG-2004 02:41:58	Bright	51.000	31	Alp Gru	1.7340	15200.	102	13055	No
GOM_TRA_1PNPDE20040829_024603_000000572029_00476_13055_0010.N1	29-AUG-2004 02:46:03	Bright	56.500	18	24Alp PsA	1.1660	9700.0	113	13055	No

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



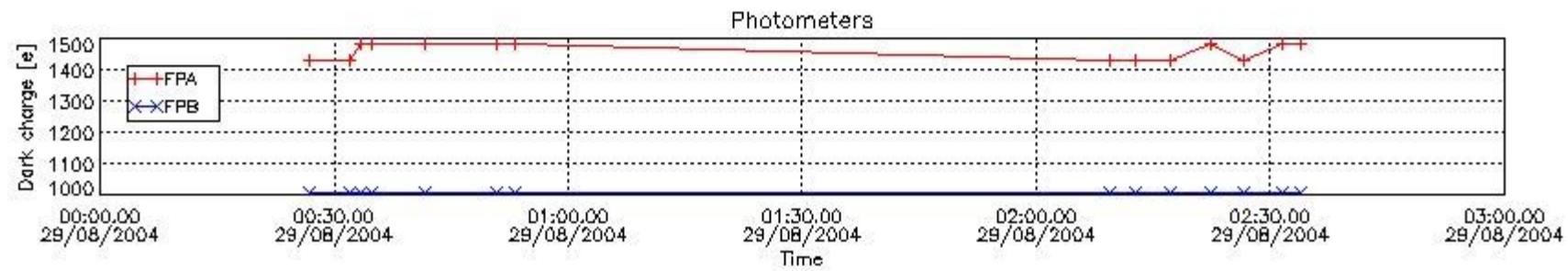
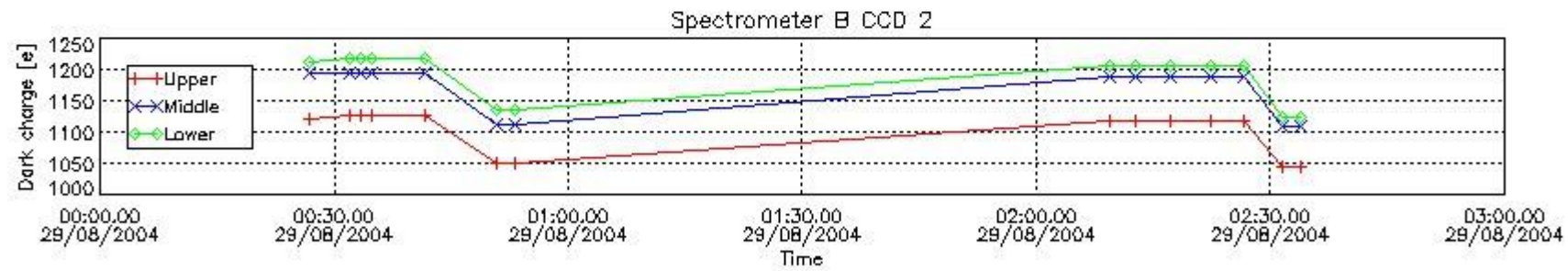
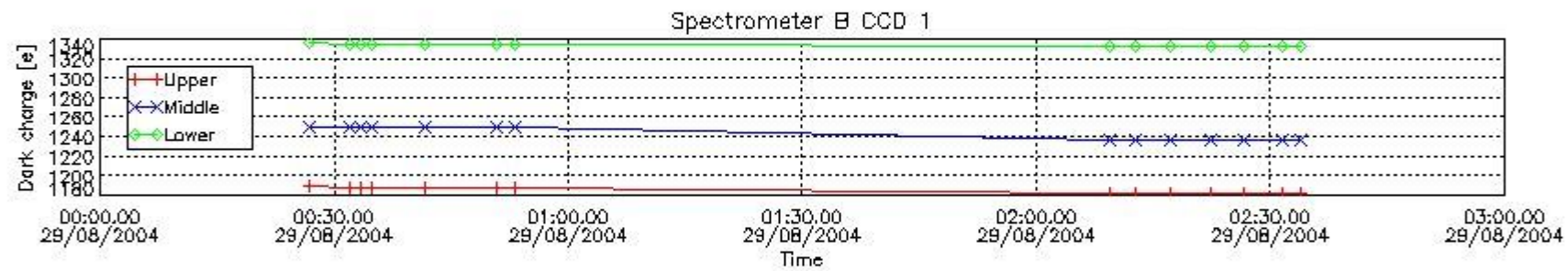
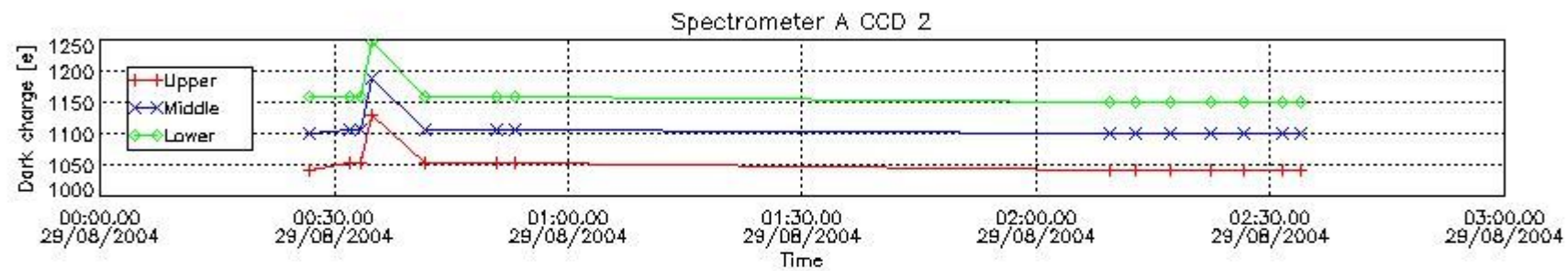
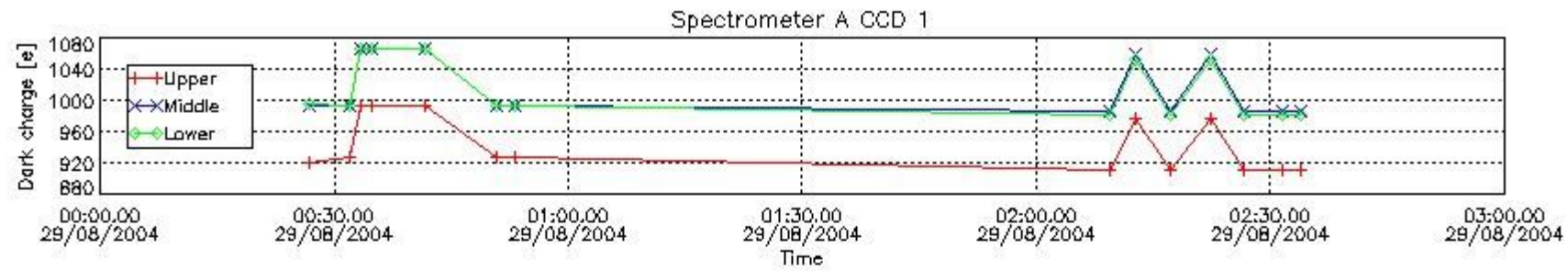
4. Overview of dark signal processing per product

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



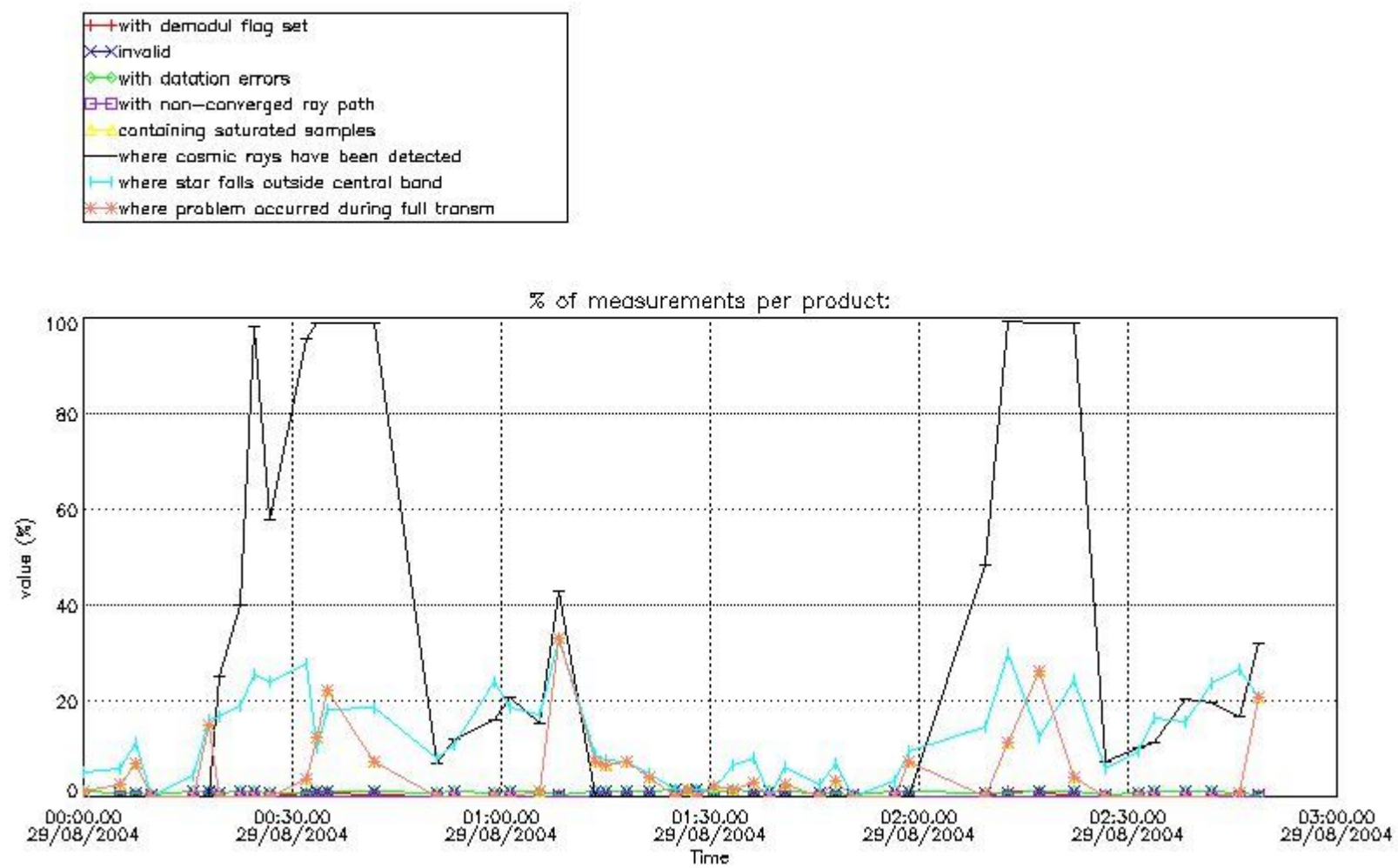
5. Demodulation flag and quality information monitoring

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.

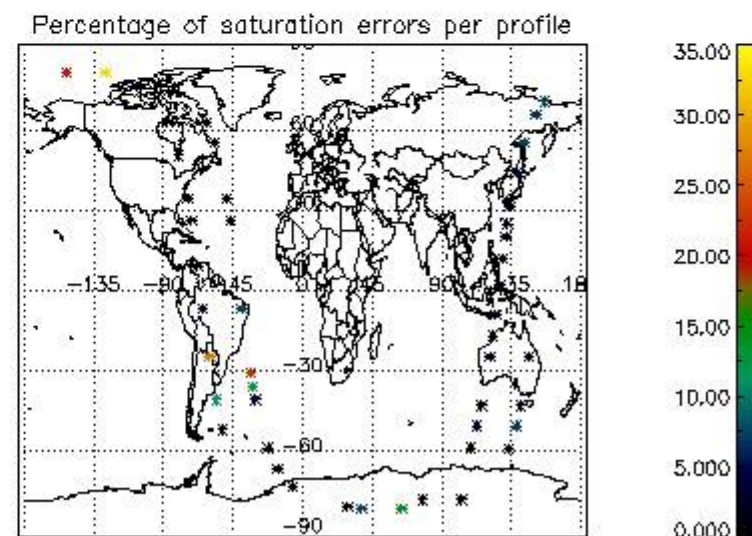
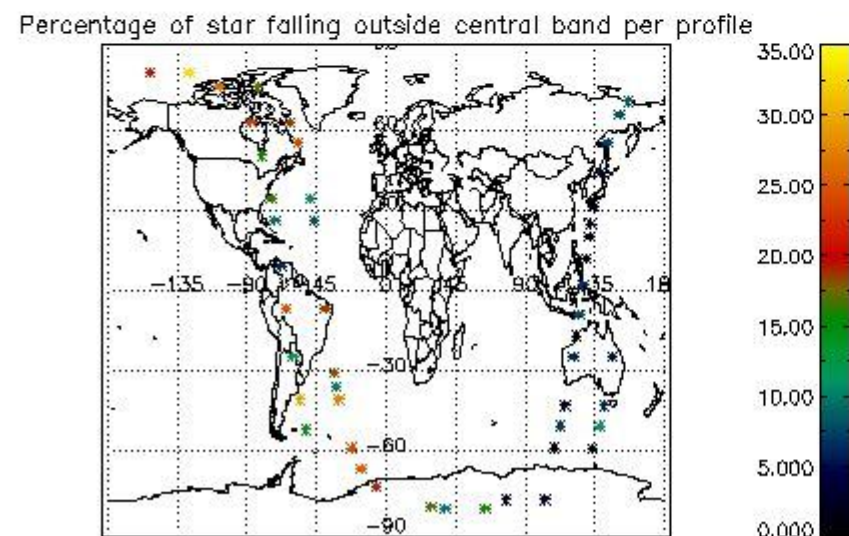
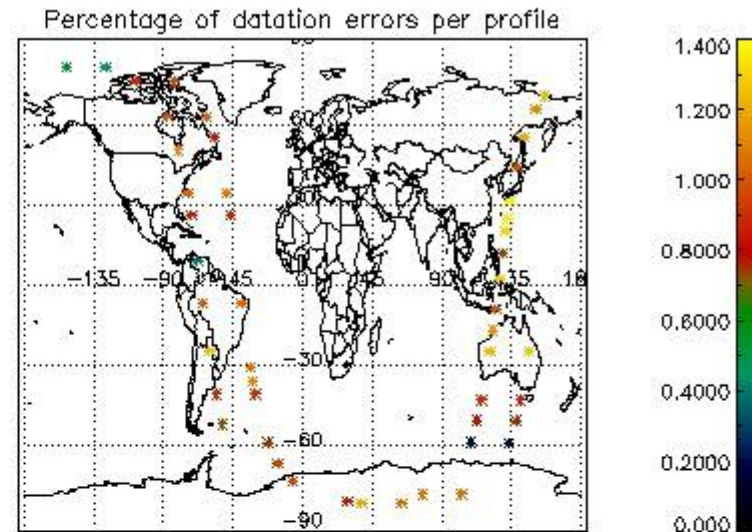
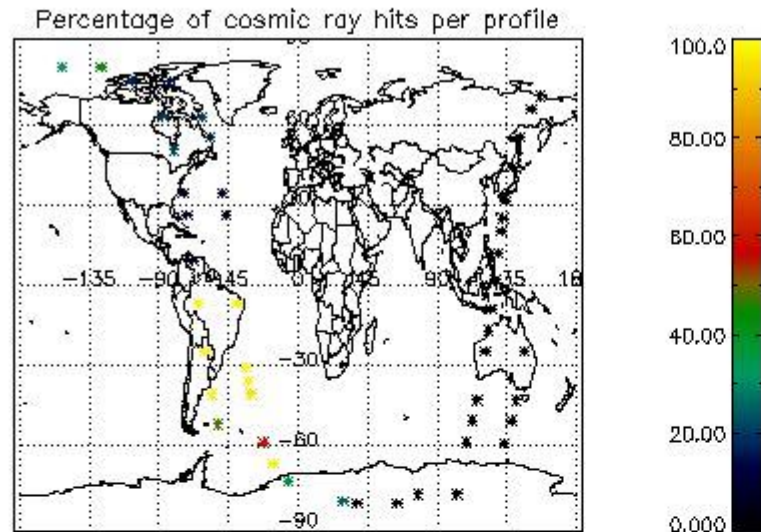
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	20.8333 %
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)



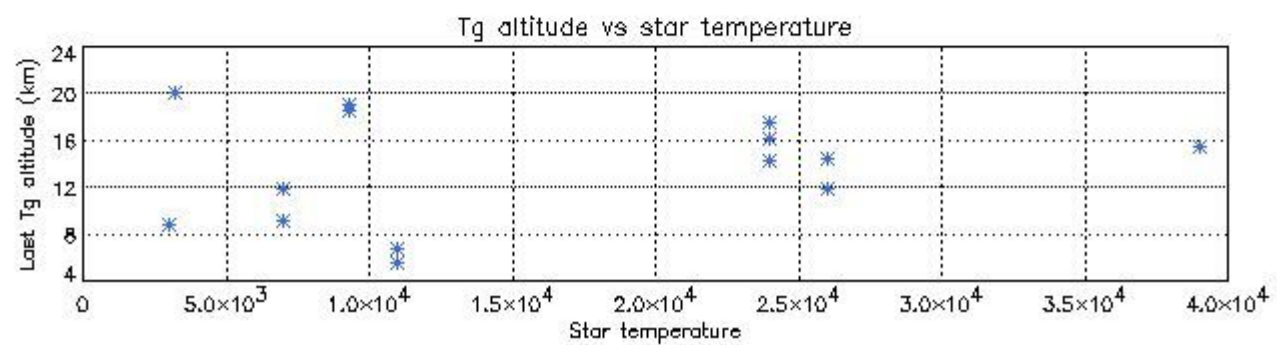
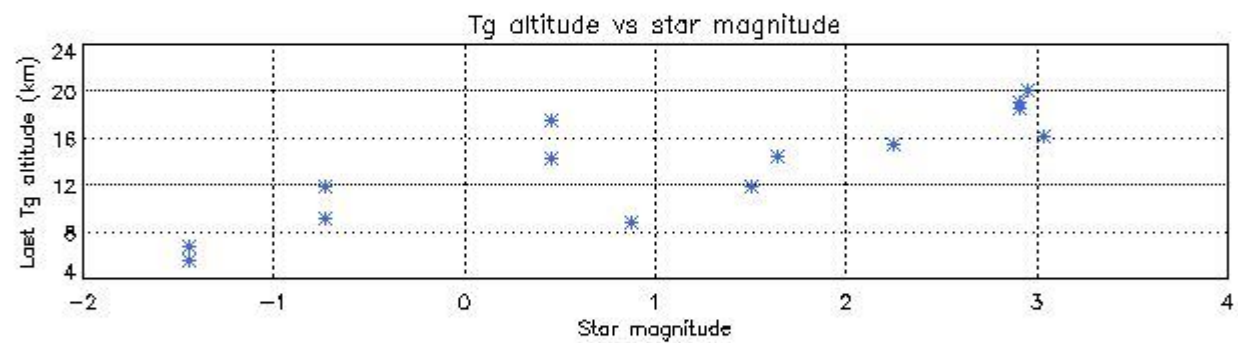
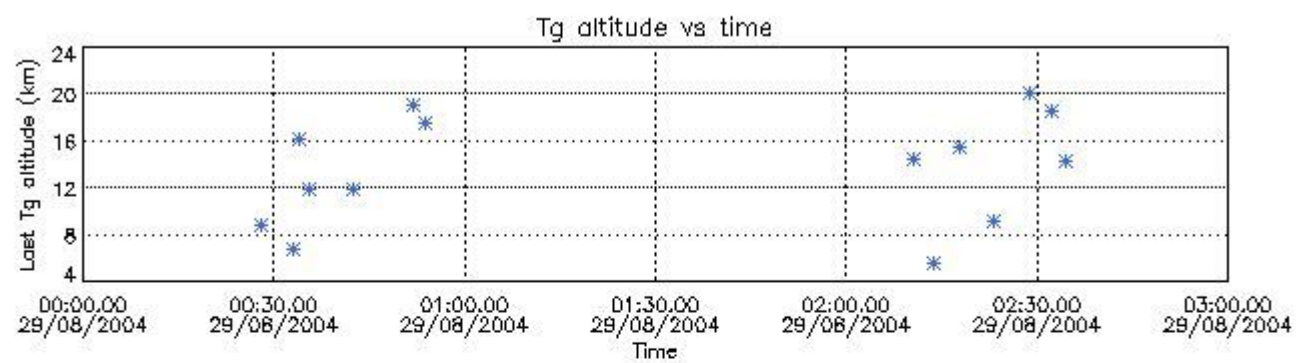
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.516	20.099	14.189
St. deviation:	4.6359	8.2319	5.3123
Maximum:	20.118	39.367	23.384
Minimum:	5.5640	4.7358	7.7804
Number of data:	14.000	25.000	9.0000

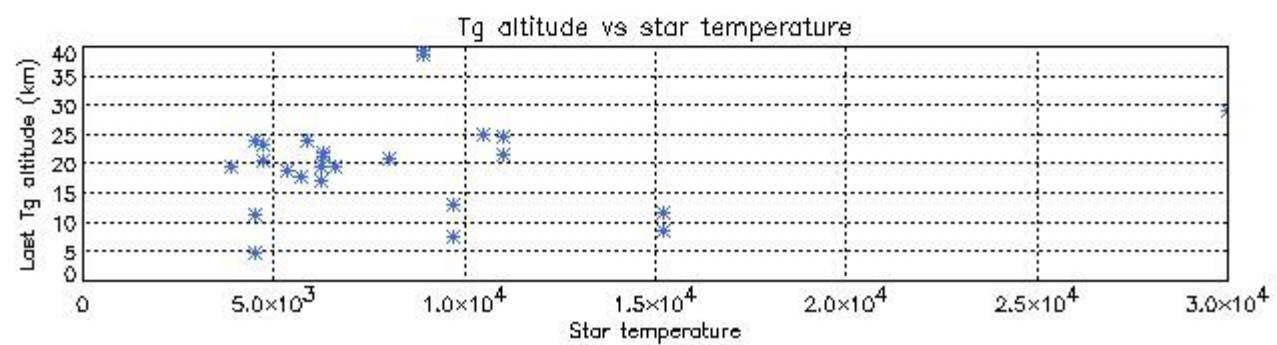
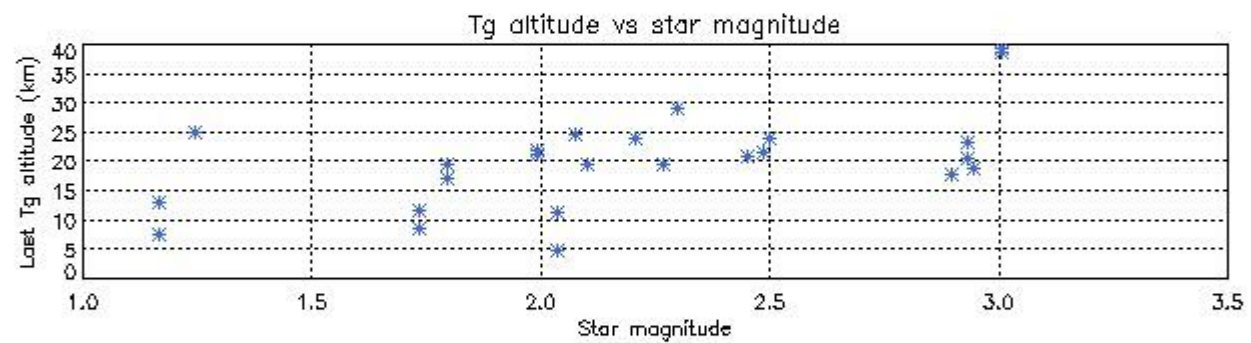
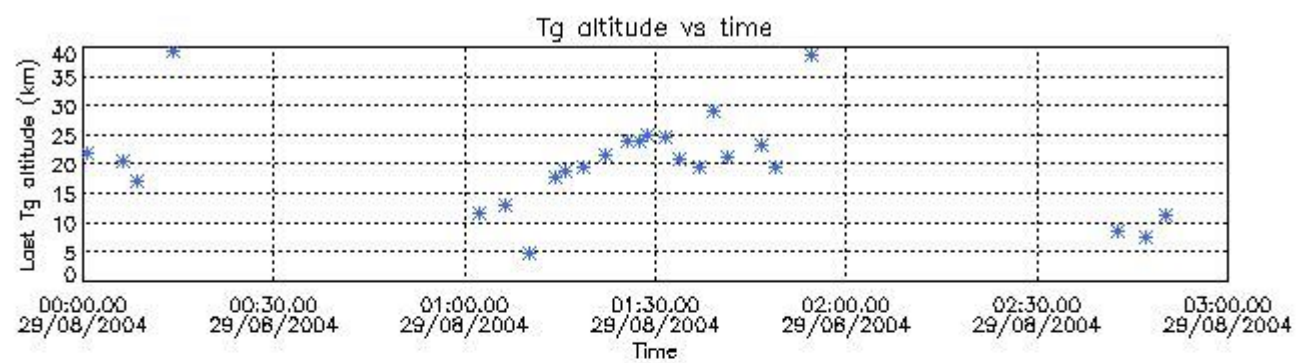
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



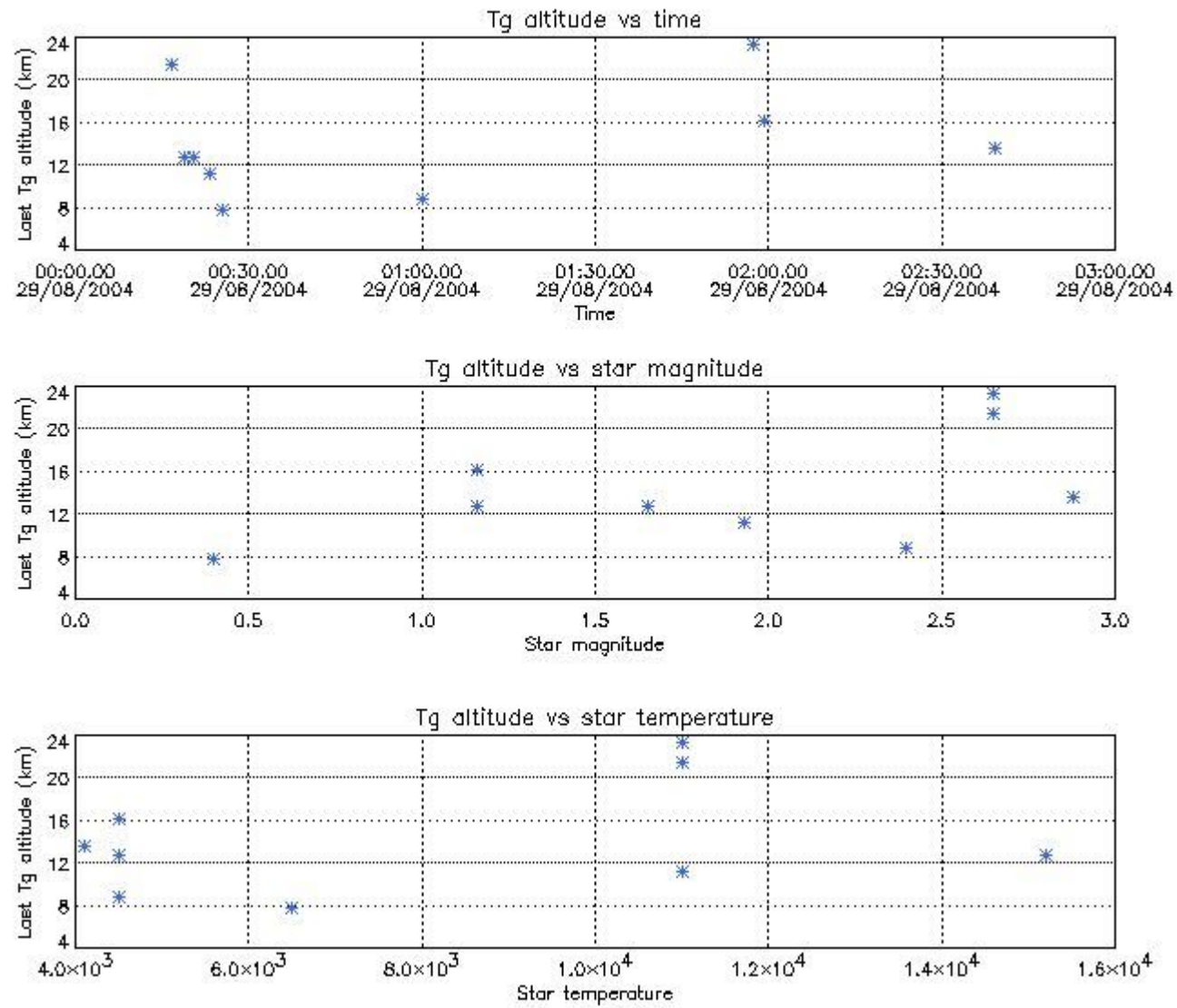
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

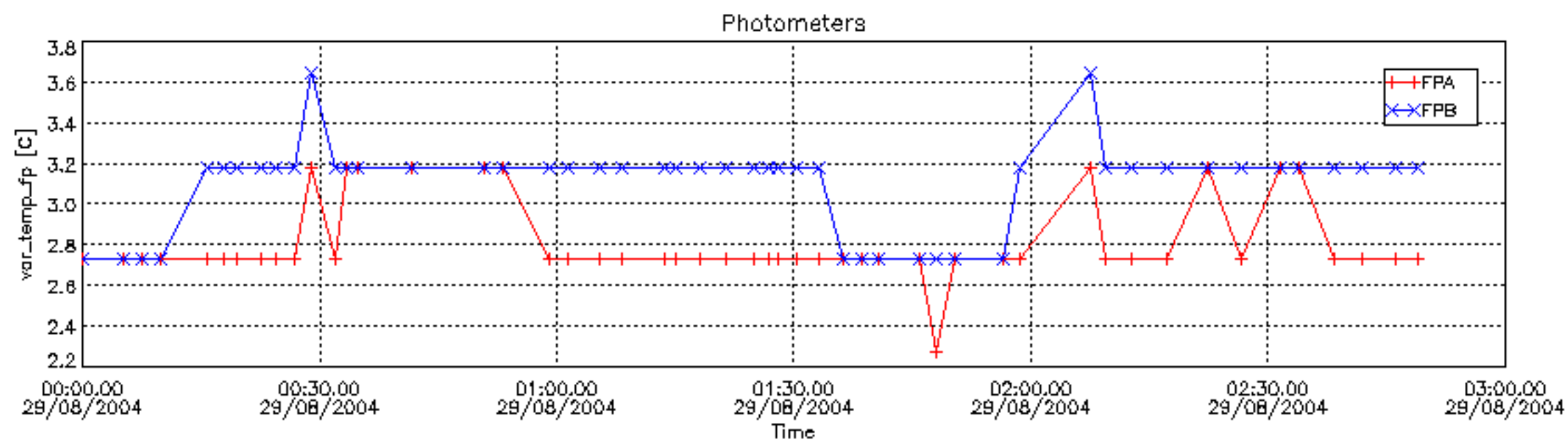
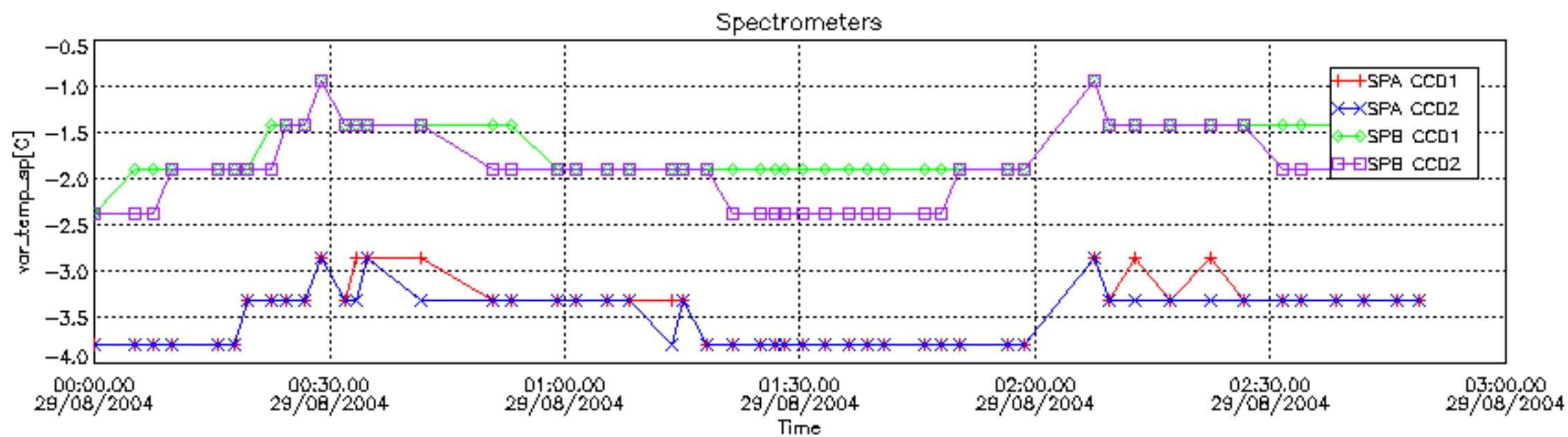
Tangent altitude at which the star is lost

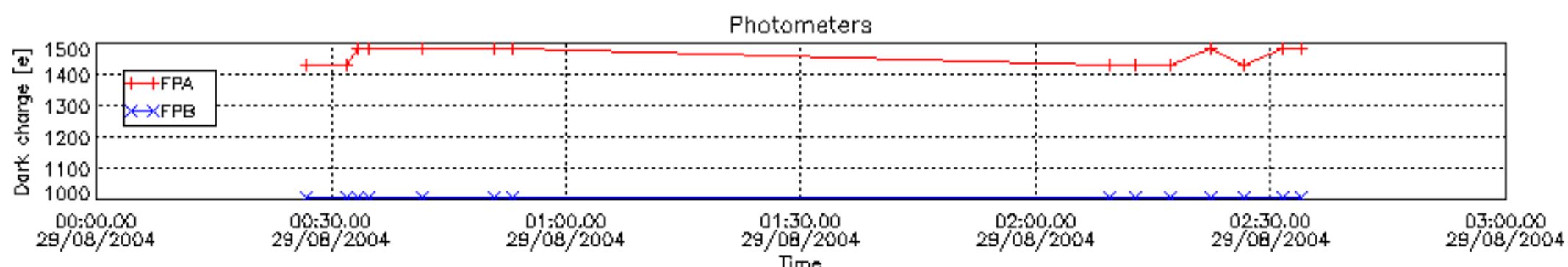
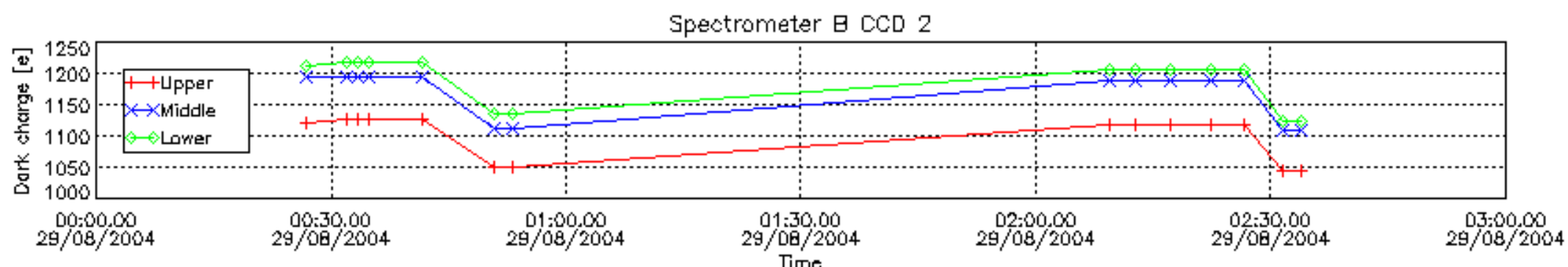
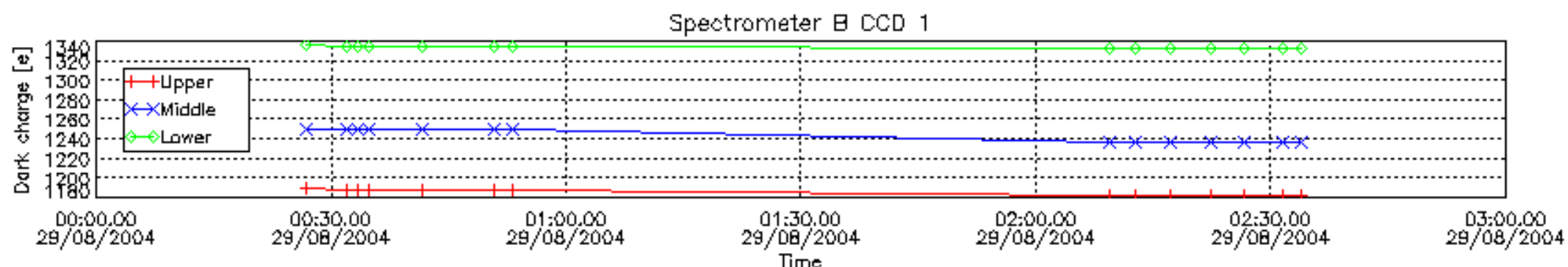
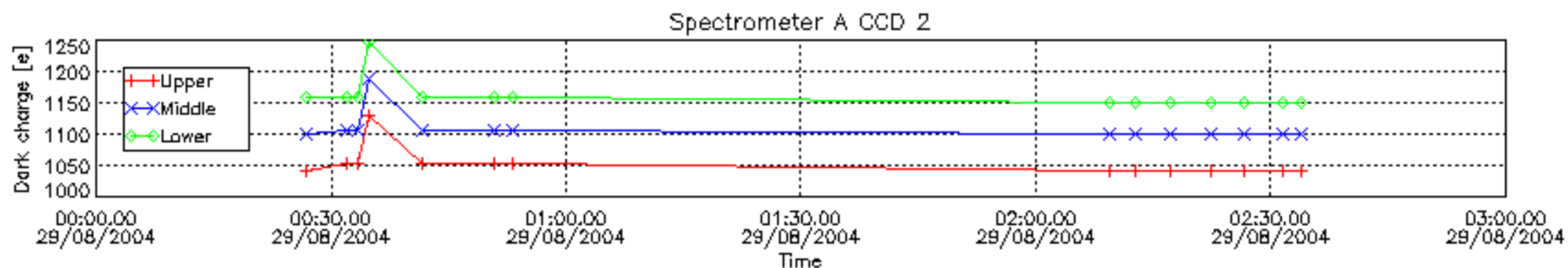
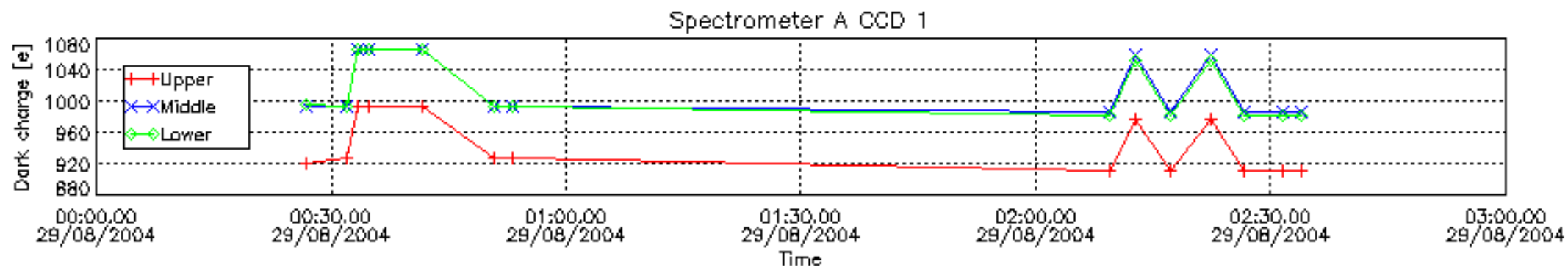


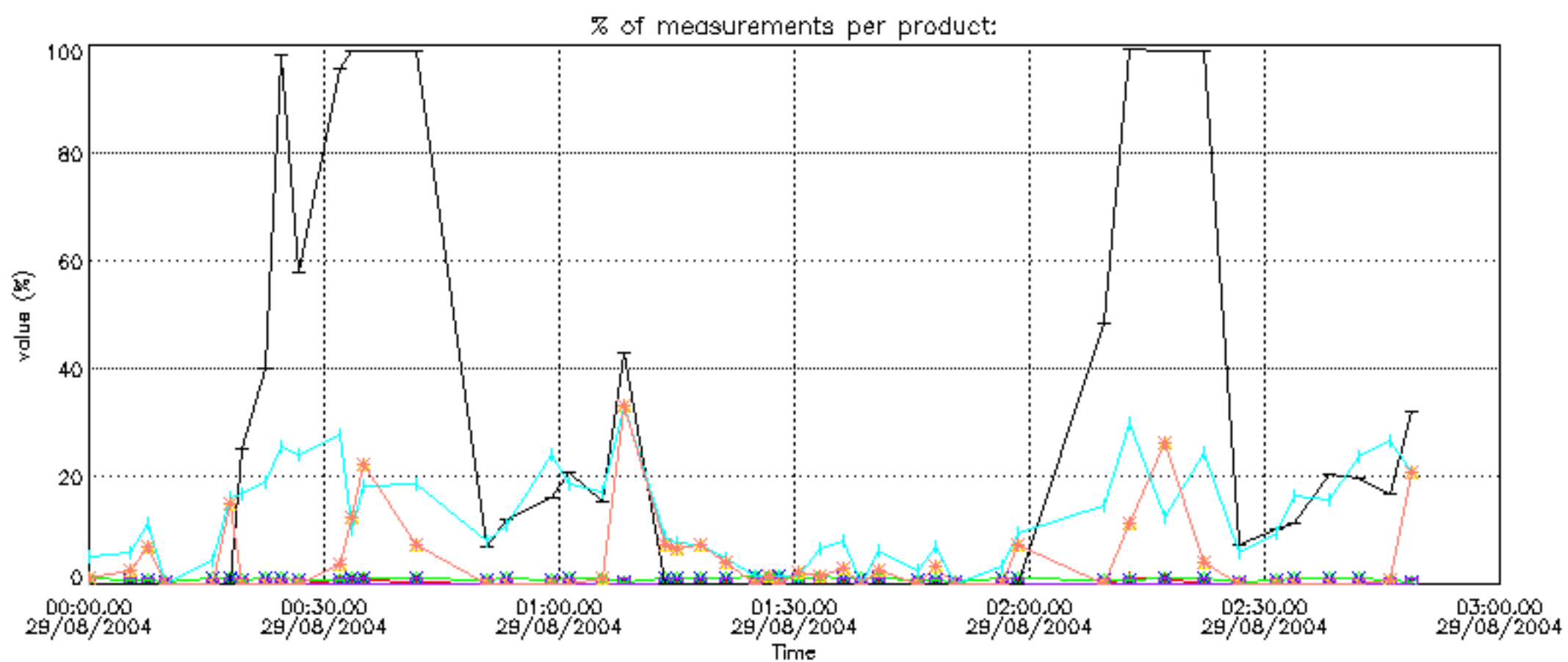
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

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.

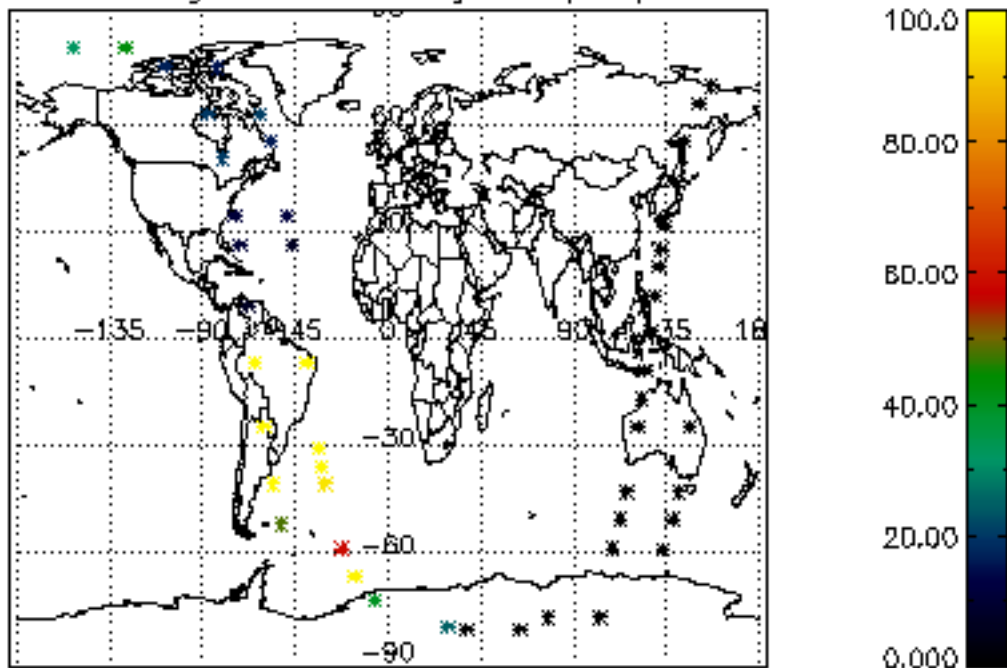
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1462.0	1447.3	1462.8	1448.8
St. deviation:	4.4208	5.9673	6.4342	6.8220
Maximum:	1610.0	1544.0	1517.0	1499.0
Minimum:	1456.0	1430.0	1450.0	1440.0
Number of data:	20900.	20900.	41550.	41550.



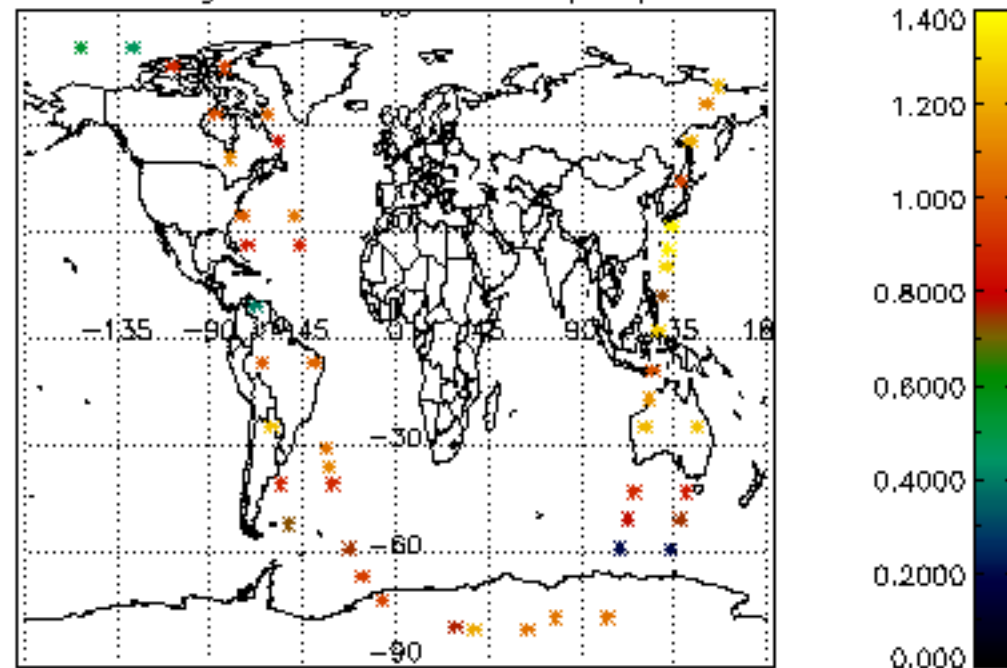




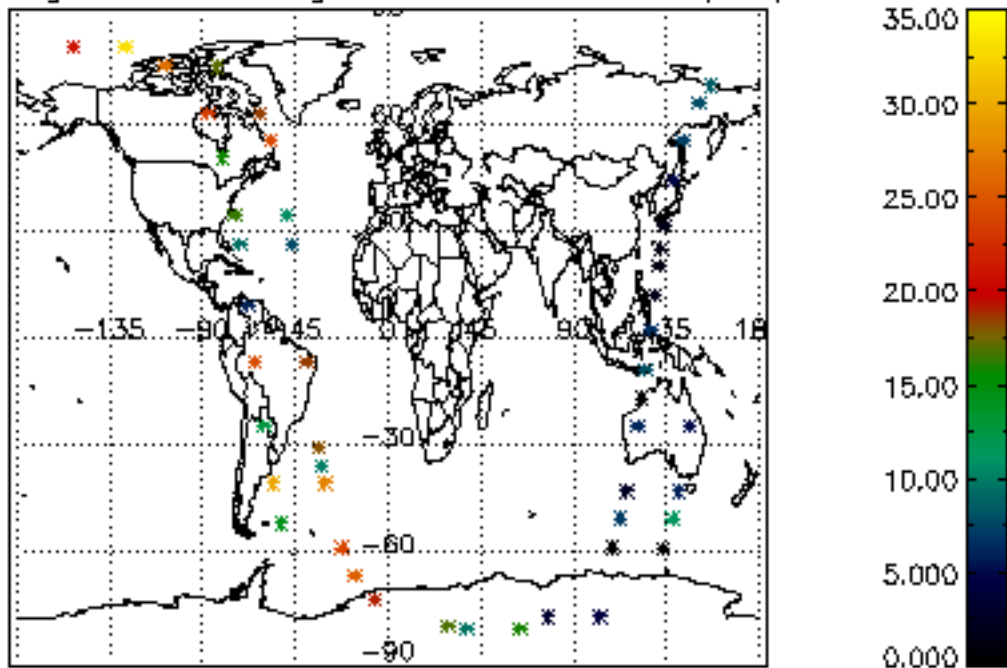
Percentage of cosmic ray hits per profile



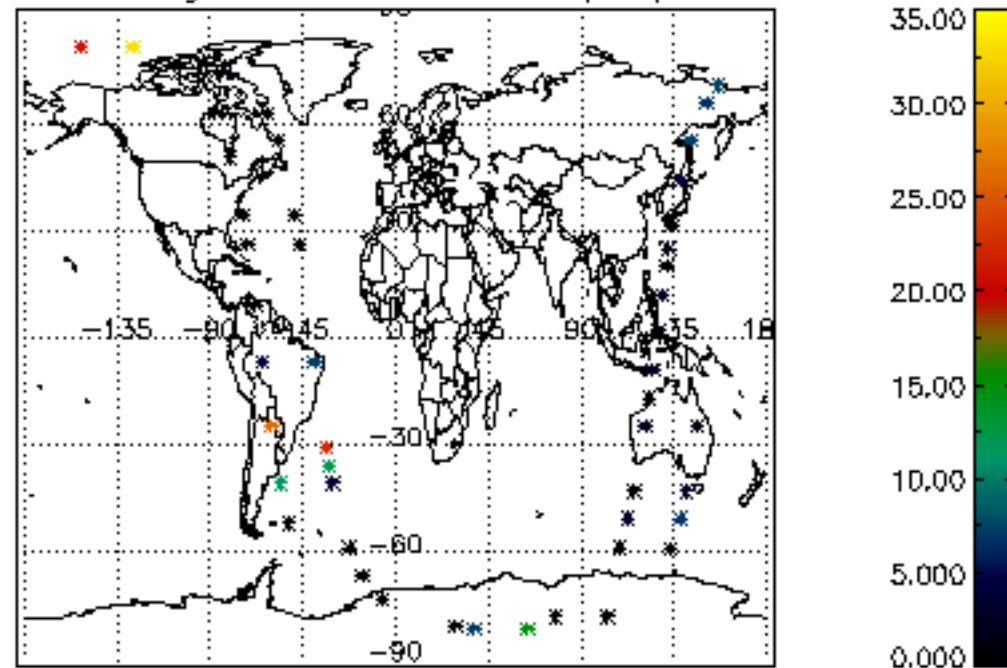
Percentage of datation errors per profile



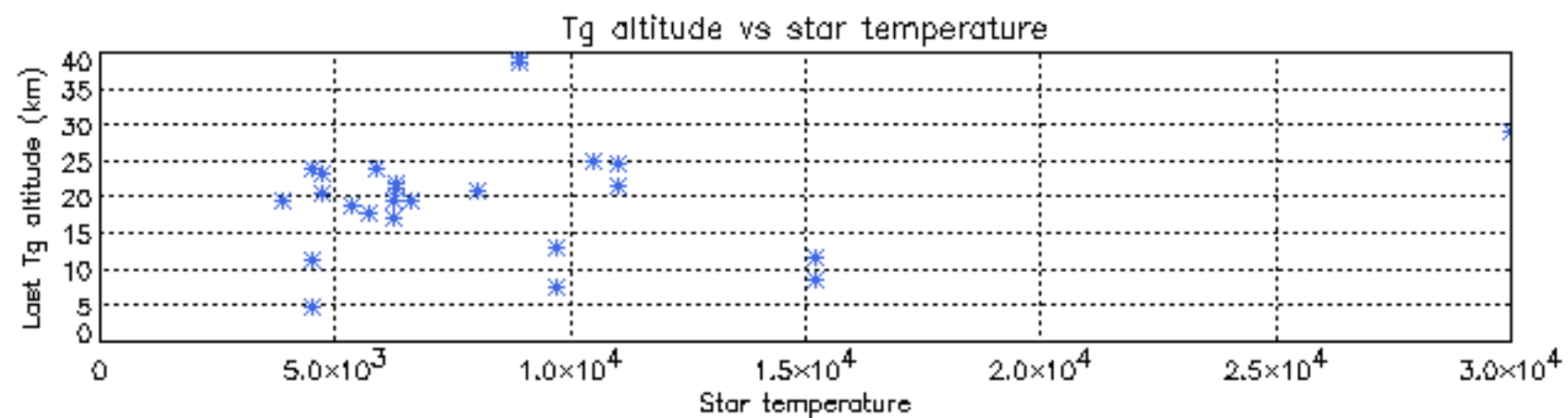
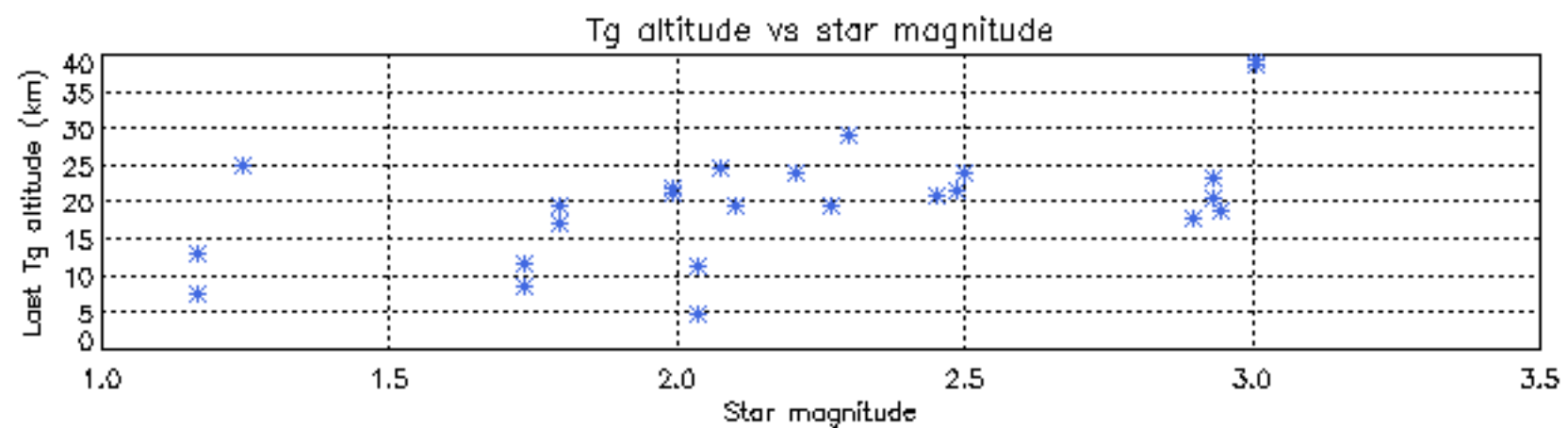
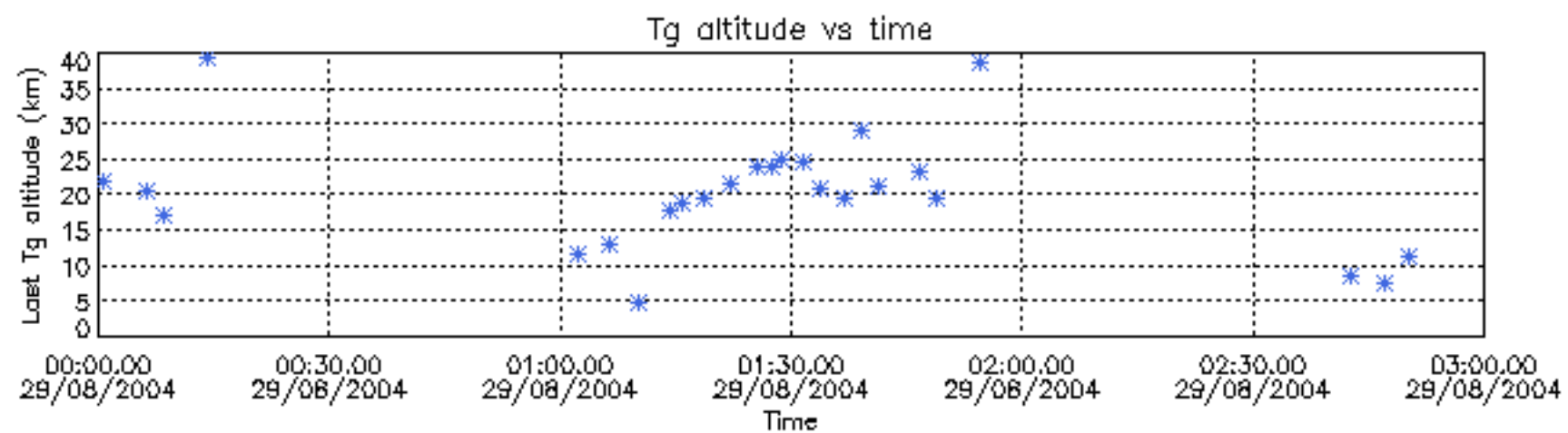
Percentage of star falling outside central band per profile



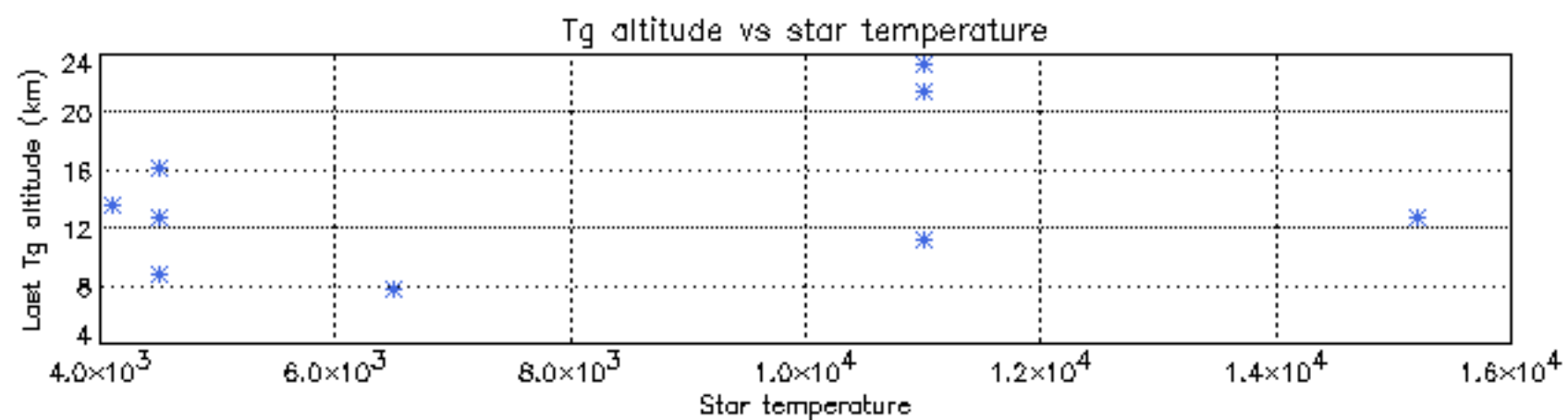
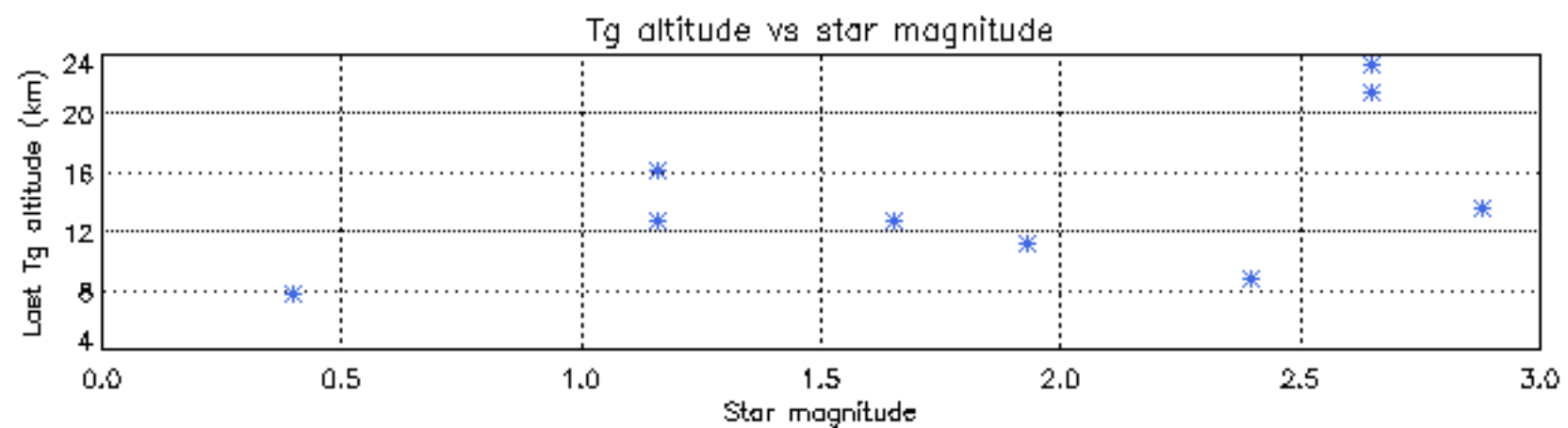
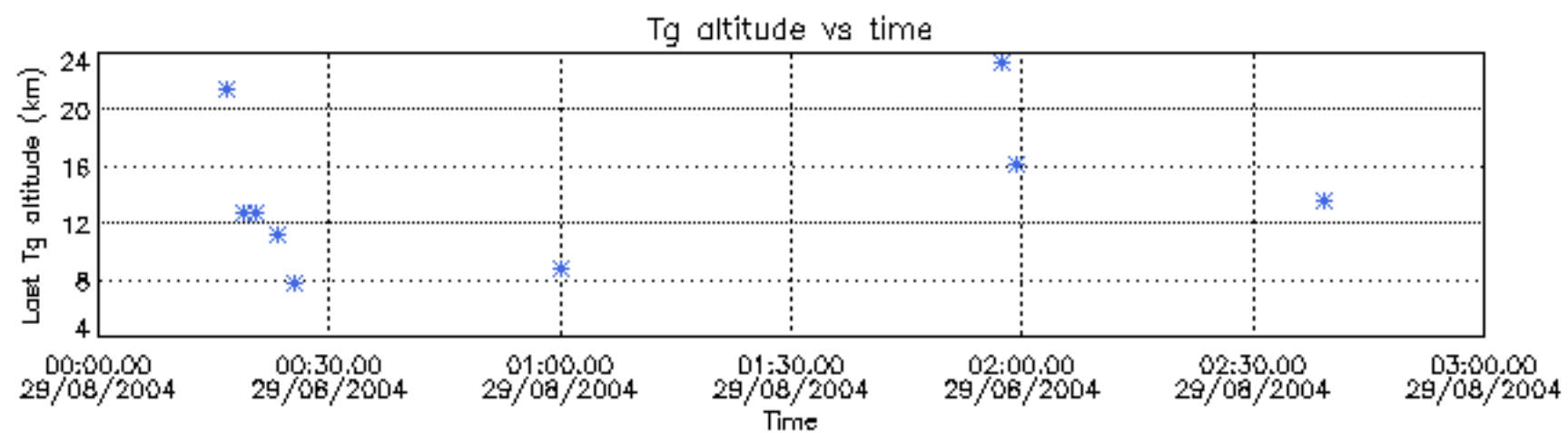
Percentage of saturation errors per profile



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



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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
28; 862.1; 02-AUG-2004 10:09:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;12673
29; 1147.4; 02-AUG-2004 10:14:32; Dark ; 67.5; 18; 24Alp PsA ; 1.17; 9700;occ; 135; 0;12673
30; 1416.3; 02-AUG-2004 10:19:01; Dark ; 52.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 104; 0;12673
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3;-3890.5; 02-AUG-2004 10:31:10; Bright; 36.0; 168; 17Zet Aql ; 2.99; 11000;occ; 72; 0;12673
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5;-3347.4; 02-AUG-2004 10:40:13; Bright; 38.5; 144; 18Del Cyg ; 2.86; 11000;occ; 77; 0;12673
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7;-2991.8; 02-AUG-2004 10:46:09; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;12673
8;-2745.6; 02-AUG-2004 10:50:15; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;12673
9;-2596.7; 02-AUG-2004 10:52:44; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;12673
10;-2456.9; 02-AUG-2004 10:55:04; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;12673
11;-2068.0; 02-AUG-2004 11:01:32; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;12673
12;-1895.9; 02-AUG-2004 11:04:25; Bright; 88.5; 73; 57Gam1And ; 2.26; 13100;occ; 177; 0;12673
13;-1737.4; 02-AUG-2004 11:07:03; Dark ; 255.0; 53; 43Bet And ; 2.05; 3300;occ; 510; 0;12673
14;-1392.7; 02-AUG-2004 11:12:48; Dark ; 39.5; 176; 23Zet Tau ; 3.02; 22000;occ; 79; 0;12673
15;-1237.9; 02-AUG-2004 11:15:23; Dark ; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;12673
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17;-1003.9; 02-AUG-2004 11:19:17; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;12673
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19; -811.9; 02-AUG-2004 11:22:29; Dark ; 44.0; 1; 9Alp CMA ; -1.44; 11000;occ; 88; 0;12673
20; -724.2; 02-AUG-2004 11:23:56; Dark ; 43.0; 101; 11Alp Lep ; 2.58; 7000;occ; 86; 0;12673
21; -566.1; 02-AUG-2004 11:26:34; Dark ; 60.0; 165; 34Gam Eri ; 2.95; 3200;occ; 120; 0;12673
22; -284.7; 02-AUG-2004 11:31:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12673
23; -1.3; 02-AUG-2004 11:35:59; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;12673
24; 322.7; 02-AUG-2004 11:41:23; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;12674
25; 430.2; 02-AUG-2004 11:43:11; Dark ; 39.5; 135; Bet Hyi ; 2.82; 5800;occ; 79; 0;12674
26; 617.6; 02-AUG-2004 11:46:18; Dark ; 59.5; 84; Alp Phe ; 2.40; 4500;occ; 119; 0;12674
27; 727.3; 02-AUG-2004 11:48:08; Dark ; 48.0; 148; Alp Tuc ; 2.88; 4100;occ; 96; 0;12674
28; 862.6; 02-AUG-2004 11:50:23; Dark ; 59.5; 63; Bet Gru ; 2.15; 2800;occ; 119; 0;12674
29; 1147.7; 02-AUG-2004 11:55:08; Dark ; 69.5; 18; 24Alp PsA ; 1.17; 9700;occ; 139; 0;12674
30; 1416.0; 02-AUG-2004 11:59:36; Dark ; 44.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 88; 0;12674
31; 1570.4; 02-AUG-2004 12:02:11; Bright; 51.0; 142; 49Del Cap ; 2.85; 8900;occ; 102; 0;12674
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2;-3979.7; 02-AUG-2004 12:10:17; Bright; 38.5; 11; 53Alp Aql ; 0.76; 8000;occ; 77; 0;12674
3;-3890.5; 02-AUG-2004 12:11:46; Bright; 37.0; 168; 17Zet Aql ; 2.99; 11000;occ; 74; 0;12674
4;-3465.4; 02-AUG-2004 12:18:51; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;12674
5;-3347.7; 02-AUG-2004 12:20:49; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;12674
6;-3235.8; 02-AUG-2004 12:22:41; Bright; 40.0; 69; 33Gam Dra ; 2.23; 3800;occ; 80; 0;12674
7;-2991.9; 02-AUG-2004 12:26:44; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;12674
8;-2744.7; 02-AUG-2004 12:30:52; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;12674
9;-2596.9; 02-AUG-2004 12:33:19; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;12674

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

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Problem occurred when reading packet number 991!

Problem occurred when reading packet number 3241!

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 3;-3979.8; 02-AUG-2004 13:50:52; Bright; 38.5; 11; 53Alp Aql ; 0.76; 8000;occ; 77; 0;12675
 4;-3891.0; 02-AUG-2004 13:52:21; Bright; 36.5; 168; 17Zet Aql ; 2.99; 11000;occ; 73; 0;12675
 5;-3465.1; 02-AUG-2004 13:59:27; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;12675
 6;-3347.6; 02-AUG-2004 14:01:25; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;12675
 7;-3235.4; 02-AUG-2004 14:03:17; Bright; 41.0; 69; 33Gam Dra ; 2.23; 3800;occ; 82; 0;12675
 8;-2991.4; 02-AUG-2004 14:07:21; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;12675
 9;-2743.8; 02-AUG-2004 14:11:28; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;12675
 10;-2596.7; 02-AUG-2004 14:13:56; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;12675
 11;-2458.3; 02-AUG-2004 14:16:14; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;12675
 12;-2067.8; 02-AUG-2004 14:22:45; Bright; 316.0; 160; 23Gam Per ; 2.93; 4700;occ; 632; 547;12675
 13;-144771048.8; 01-JAN-2000 00:46:23; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 90;12675
 14;-144770922.2; 01-JAN-2000 00:48:30; Bright; 87.0; 73; 57Gam1And ; 2.26; 13100;occ; 174; 0;12675
 15;-144770764.8; 01-JAN-2000 00:51:07; Dark ; 255.0; 53; 43Bet And ; 2.05; 3300;occ; 510; 0;12675
 16;-144770416.9; 01-JAN-2000 00:56:55; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;12675
 17;-144770262.1; 01-JAN-2000 00:59:30; Dark ; 65.0; 13; 87Alp Tau ; 0.87; 3800;occ; 130; 0;12675
 18;-144770143.1; 01-JAN-2000 01:01:29; Dark ; 42.0; 27; 24Gam Ori ; 1.64; 26000;occ; 84; 0;12675
 19;-144770028.3; 01-JAN-2000 01:03:24; Dark ; 40.0; 30; 46Eps Ori ; 1.69; 30000;occ; 80; 0;12675
 20;-144769948.4; 01-JAN-2000 01:04:44; Dark ; 39.0; 125; 44Iot Ori ; 2.77; 30000;occ; 78; 0;12675
 21;-144769836.0; 01-JAN-2000 01:06:36; Dark ; 45.0; 1; 9Alp CMA ; -1.44; 11000;occ; 90; 0;12675
 22;-144769748.2; 01-JAN-2000 01:08:04; Dark ; 44.0; 101; 11Alp Lep ; 2.58; 7000;occ; 88; 0;12675
 23;-144769601.1; 01-JAN-2000 01:10:31; Dark ; 39.5; 177; 1Zet CMA ; 3.02; 26000;occ; 79; 0;12675
 24;-144769502.4; 01-JAN-2000 01:12:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12675
 25;-144769231.6; 01-JAN-2000 01:16:41; Dark ; 51.0; 2; Alp Car ; -0.74; 7000;occ; 102; 0;12675
 26;-144769024.4; 01-JAN-2000 01:20:08; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;12675
 27;-144768701.3; 01-JAN-2000 01:25:31; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;12675
 28;-144768594.9; 01-JAN-2000 01:27:17; Dark ; 41.0; 135; Bet Hyi ; 2.82; 5800;occ; 82; 0;12675
 29;-144768406.0; 01-JAN-2000 01:30:26; Dark ; 65.0; 84; Alp Phe ; 2.40; 4500;occ; 130; 0;12675
 30;-144768297.3; 01-JAN-2000 01:32:15; Dark ; 45.5; 148; Alp Tuc ; 2.88; 4100;occ; 91; 0;12675
 31;-144768092.7; 01-JAN-2000 01:35:40; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 15;12675
 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
11;-2597.0; 02-AUG-2004 15:54:31; Bright; 38.5; 49; 1Alp UMi ; 1.99; 6300;occ; 77; 0;12676
12;-2459.2; 02-AUG-2004 15:56:49; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;12676
13;-2068.1; 02-AUG-2004 16:03:20; Bright; 70.0; 160; 23Gam Per ; 2.93; 4700;occ; 140; 0;12676
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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
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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5; 1151.1; 02-AUG-2004 21:58:47; Dark ; 68.5; 18; 24Alp PsA ; 1.17; 9700;occ; 137; 0;12680
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7; 1569.9; 02-AUG-2004 22:05:46; Bright; 52.5; 142; 49Del Cap ; 2.85; 8900;occ; 105; 0;12680
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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