

GOMOS Daily Report 28-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 05:16:38
Data source version	GOMOS/4.02
Start time of products	QDS_TODAY(/START)-5D (28AUG2004 00:00:00)
Stop time of products	QDS_TODAY(/STOP)-5D (29AUG2004 00:00:00)

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

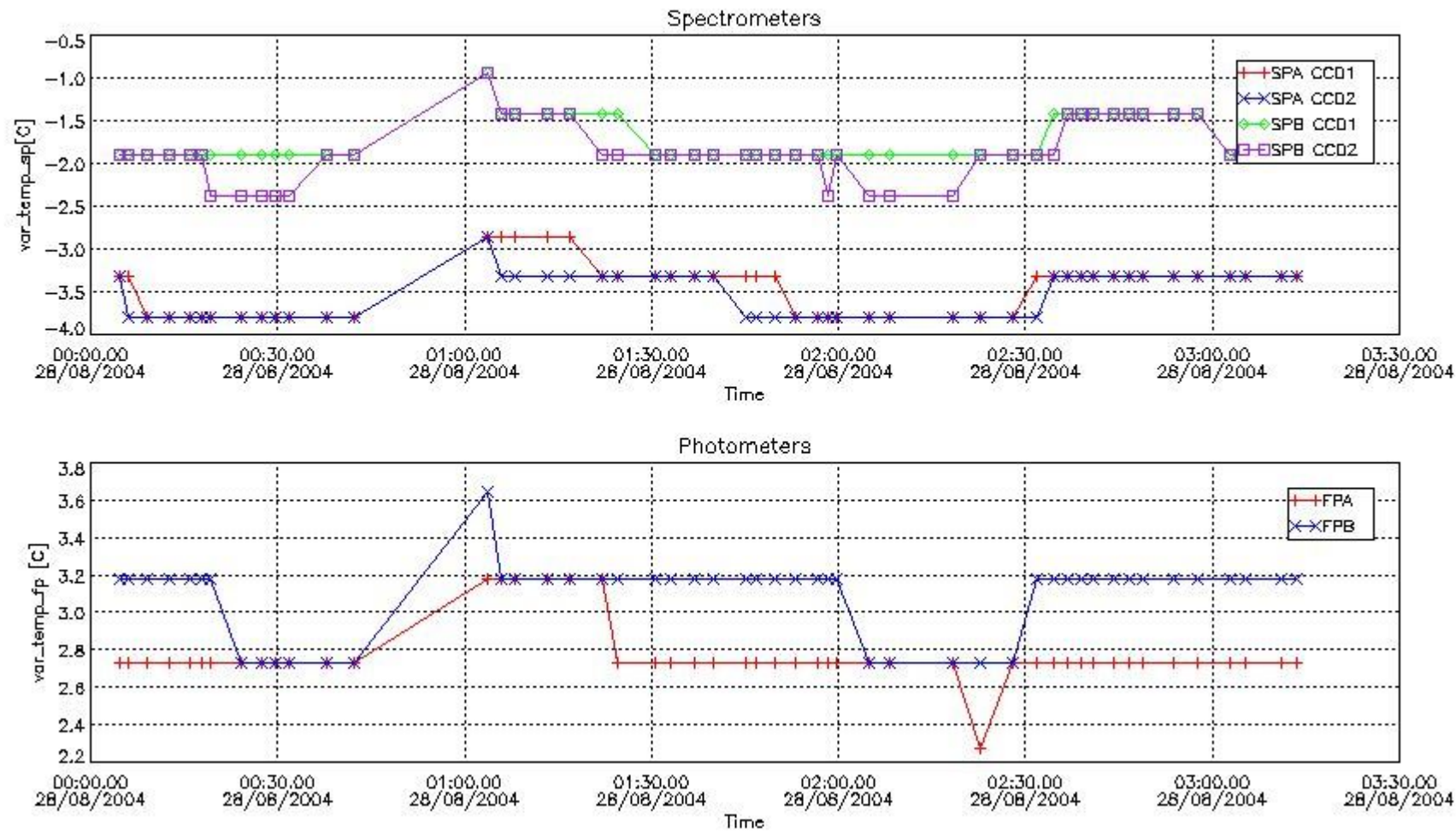
2. Summary of products arrived in PCF (Product Control Facility)

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

2.2 Summary of processed GOM_TRA_1P products

Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
GOM_TRA_1PNPDE20040828_000433_000000412029_00460_13039_0012.N1	28-AUG-2004 00:04:33	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	13039	No
GOM_TRA_1PNPDE20040828_000608_000000432029_00460_13039_0013.N1	28-AUG-2004 00:06:08	Bright	42.500	162	34Alp Aqr	2.9440	5350.0	85	13039	No
GOM_TRA_1PNPDE20040828_000910_000000412029_00460_13039_0014.N1	28-AUG-2004 00:09:10	Bright	40.500	61	8Eps Peg	2.1000	3900.0	81	13039	No
GOM_TRA_1PNPDE20040828_001232_000000512029_00460_13039_0015.N1	28-AUG-2004 00:12:32	Bright	51.000	90	54Alp Peg	2.4870	11000.	102	13039	No
GOM_TRA_1PNPDE20040828_001556_000000382029_00460_13039_0016.N1	28-AUG-2004 00:15:56	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	13039	No
GOM_TRA_1PNPDE20040828_001746_000000402029_00460_13039_0017.N1	28-AUG-2004 00:17:46	Bright	39.500	66	37Gam Cyg	2.2080	5900.0	79	13039	No
GOM_TRA_1PNPDE20040828_001908_000000402029_00460_13039_0018.N1	28-AUG-2004 00:19:08	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	13039	No
GOM_TRA_1PNPDE20040828_002413_000000382029_00460_13039_0019.N1	28-AUG-2004 00:24:13	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	13039	No
GOM_TRA_1PNPDE20040828_002729_000000482029_00460_13039_0020.N1	28-AUG-2004 00:27:29	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	13039	No
GOM_TRA_1PNPDE20040828_002939_000000502029_00460_13039_0021.N1	28-AUG-2004 00:29:39	Bright	50.000	76	27Gam Cas	2.3000	30000.	100	13039	No
GOM_TRA_1PNPDE20040828_003146_000000362029_00460_13039_0022.N1	28-AUG-2004 00:31:46	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	13039	No
GOM_TRA_1PNPDE20040828_003752_000000392029_00460_13039_0023.N1	28-AUG-2004 00:37:52	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	13039	No
GOM_TRA_1PNPDE20040828_004212_000002552029_00460_13039_0024.N1	28-AUG-2004 00:42:12	Bright	255.00	173	4Bet Tri	3.0040	8900.0	510	13039	No
GOM_TRA_1PNPDE20040828_010334_000000552029_00460_13039_0000.N1	28-AUG-2004 01:03:34	Dark	54.500	1	9Alp CMa	-1.4400	11000.	109	13039	No
GOM_TRA_1PNPDE20040828_010552_000000772029_00460_13039_0001.N1	28-AUG-2004 01:05:52	Dark	77.000	7	19Bet Ori	0.10000	14000.	154	13039	No
GOM_TRA_1PNPDE20040828_010812_000000432029_00460_13039_0002.N1	28-AUG-2004 01:08:12	Dark	43.000	70	Zet Pup	2.2460	39000.	86	13039	No
GOM_TRA_1PNPDE20040828_011312_000000472029_00460_13039_0003.N1	28-AUG-2004 01:13:12	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	13039	No
GOM_TRA_1PNPDE20040828_011652_000001242029_00461_13040_0004.N1	28-AUG-2004 01:16:52	Dark	124.00	165	34Gam Eri	2.9500	3200.0	248	13040	No
GOM_TRA_1PNPDE20040828_012206_000000602029_00461_13040_0005.N1	28-AUG-2004 01:22:06	Dark	60.000	157	The1Eri	2.9060	9300.0	120	13040	No
GOM_TRA_1PNPDE20040828_012435_000000542029_00461_13040_0006.N1	28-AUG-2004 01:24:35	Dark	53.500	9	Alp Eri	0.45300	24000.	107	13040	No
GOM_TRA_1PNPDE20040828_013033_000000592029_00461_13040_0007.N1	28-AUG-2004 01:30:33	Twilight	58.500	84	Alp Phe	2.3970	4500.0	117	13040	No
GOM_TRA_1PNPDE20040828_013256_000000442029_00461_13040_0008.N1	28-AUG-2004 01:32:56	Bright	43.500	31	Alp Gru	1.7340	15200.	87	13040	No
GOM_TRA_1PNPDE20040828_013700_000000502029_00461_13040_0009.N1	28-AUG-2004 01:37:00	Bright	49.500	18	24Alp PsA	1.1660	9700.0	99	13040	No
GOM_TRA_1PNPDE20040828_013947_000001012029_00461_13040_0010.N1	28-AUG-2004 01:39:47	Bright	100.50	52	16Bet Cet	2.0370	4500.0	201	13040	No
GOM_TRA_1PNPDE20040828_014509_000000422029_00461_13040_0011.N1	28-AUG-2004 01:45:09	Bright	41.500	154	22Bet Aqr	2.8990	5700.0	83	13040	No
GOM_TRA_1PNPDE20040828_014643_000000442029_00461_13040_0012.N1	28-AUG-2004 01:46:43	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	13040	No
GOM_TRA_1PNPDE20040828_014945_000000412029_00461_13040_0013.N1	28-AUG-2004 01:49:45	Bright	41.000	61	8Eps Peg	2.1000	3900.0	82	13040	No
GOM_TRA_1PNPDE20040828_015308_000000542029_00461_13040_0014.N1	28-AUG-2004 01:53:08	Bright	53.500	90	54Alp Peg	2.4870	11000.	107	13040	No
GOM_TRA_1PNPDE20040828_015632_000000382029_00461_13040_0015.N1	28-AUG-2004 01:56:32	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	13040	No
GOM_TRA_1PNPDE20040828_015821_000000362029_00461_13040_0016.N1	28-AUG-2004 01:58:21	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	13040	No
GOM_TRA_1PNPDE20040828_015944_000000362029_00461_13040_0017.N1	28-AUG-2004 01:59:44	Bright	35.500	19	50Alp Cyg	1.2460	10500.	71	13040	No
GOM_TRA_1PNPDE20040828_020448_000000392029_00461_13040_0018.N1	28-AUG-2004 02:04:48	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	13040	No
GOM_TRA_1PNPDE20040828_020803_000000462029_00461_13040_0019.N1	28-AUG-2004 02:08:03	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	13040	No
GOM_TRA_1PNPDE20040828_021828_000000402029_00461_13040_0000.N1	28-AUG-2004 02:18:28	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	13040	No
GOM_TRA_1PNPDE20040828_022245_000002552029_00461_13040_0001.N1	28-AUG-2004 02:22:45	Bright	255.00	173	4Bet Tri	3.0040	8900.0	510	13040	No
GOM_TRA_1PNPDE20040828_022804_000000492029_00461_13040_0002.N1	28-AUG-2004 02:28:04	Twilight	49.000	107	37The Aur	2.6490	11000.	98	13040	No
GOM_TRA_1PNPDE20040828_023140_000000662029_00461_13040_0003.N1	28-AUG-2004 02:31:40	Twilight	65.500	28	12Bet Tau	1.6500	15200.	131	13040	No
GOM_TRA_1PNPDE20040828_023439_000000492029_00461_13040_0004.N1	28-AUG-2004 02:34:39	Twilight	48.500	44	24Gam Gem	1.9280	11000.	97	13040	No
GOM_TRA_1PNPDE20040828_023646_000000492029_00461_13040_0005.N1	28-AUG-2004 02:36:46	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	13040	No
GOM_TRA_1PNPDE20040828_023855_000000662029_00461_13040_0006.N1	28-AUG-2004 02:38:55	Dark	66.000	14	58Alp Ori	0.87000	3000.0	132	13040	No
GOM_TRA_1PNPDE20040828_024051_000000732029_00461_13040_0007.N1	28-AUG-2004 02:40:51	Dark	72.500	27	24Gam Ori	1.6360	26000.	145	13040	No
GOM_TRA_1PNPDE20040828_024411_000000502029_00461_13040_0008.N1	28-AUG-2004 02:44:11	Dark	50.000	1	9Alp CMa	-1.4400	11000.	100	13040	No
GOM_TRA_1PNPDE20040828_024631_000000752029_00461_13040_0009.N1	28-AUG-2004 02:46:31	Dark	74.500	7	19Bet Ori	0.10000	14000.	149	13040	No
GOM_TRA_1PNPDE20040828_024849_000000432029_00461_13040_0010.N1	28-AUG-2004 02:48:49	Dark	43.000	70	Zet Pup	2.2460	39000.	86	13040	No
GOM_TRA_1PNPDE20040828_025349_000000472029_00461_13040_0011.N1	28-AUG-2004 02:53:49	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	13040	No
GOM_TRA_1PNPDE20040828_025730_000001182029_00462_13041_0012.N1	28-AUG-2004 02:57:30	Dark	118.00	165	34Gam Eri	2.9500	3200.0	236	13041	No
GOM_TRA_1PNPDE20040828_030245_000000572029_00462_13041_0013.N1	28-AUG-2004 03:02:45	Dark	56.500	157	The1Eri	2.9060	9300.0	113	13041	No
GOM_TRA_1PNPDE20040828_030512_000000502029_00462_13041_0014.N1	28-AUG-2004 03:05:12	Dark	50.000	9	Alp Eri	0.45300	24000.	100	13041	No
GOM_TRA_1PNPDE20040828_031110_000000562029_00462_13041_0015.N1	28-AUG-2004 03:11:10	Twilight	55.500	84	Alp Phe	2.3970	4500.0	111	13041	No

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



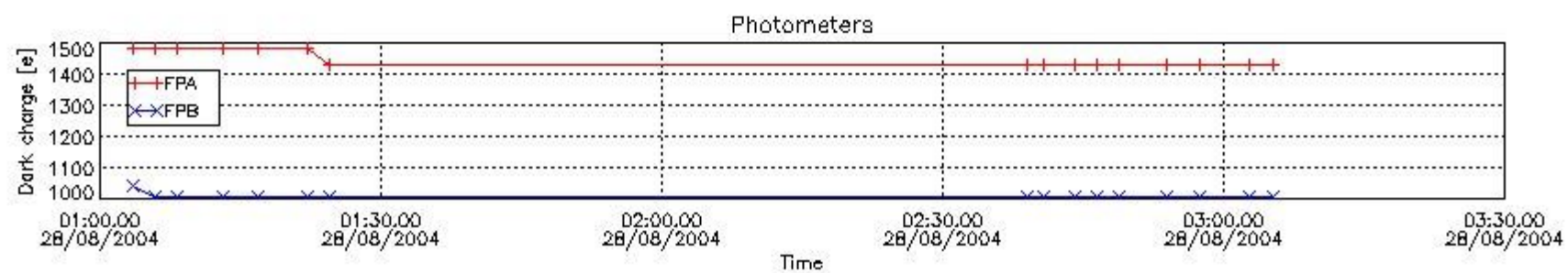
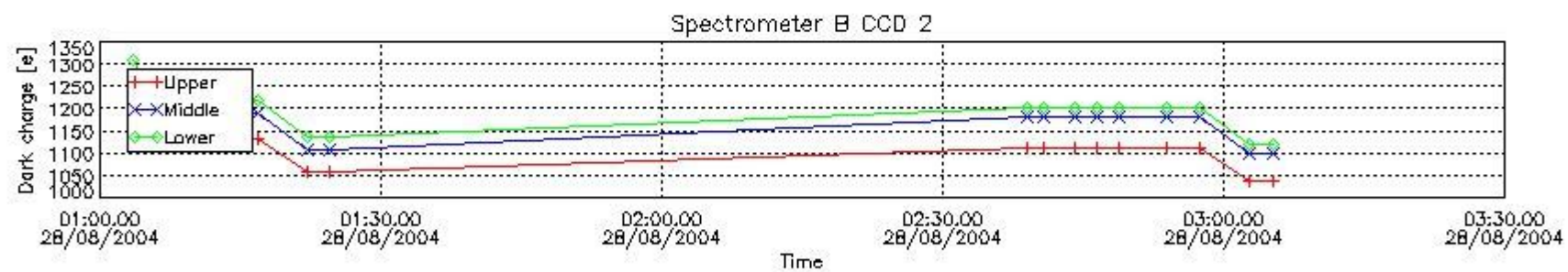
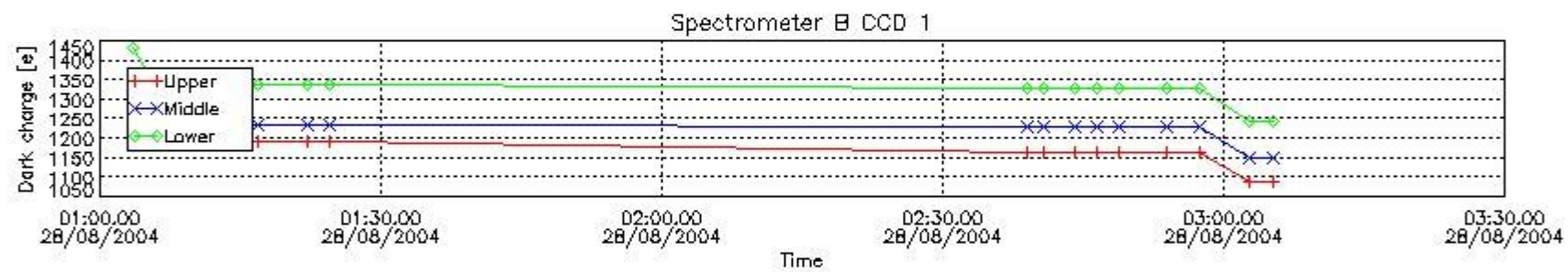
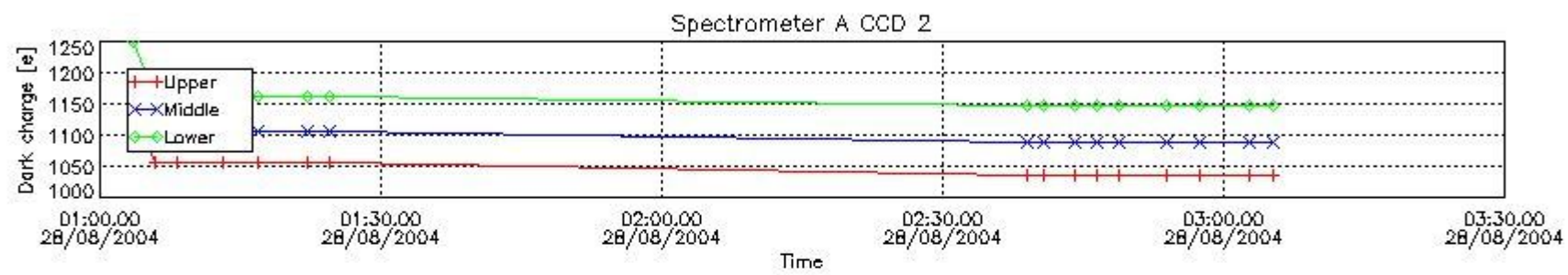
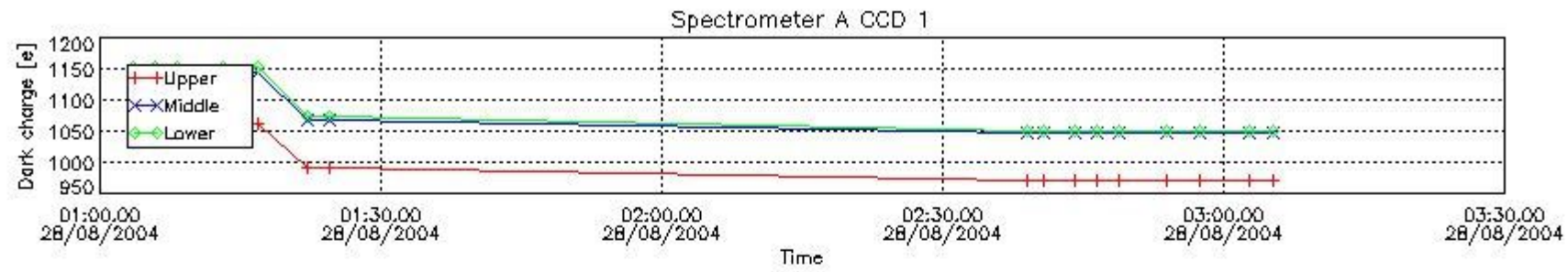
4. Overview of dark signal processing per product

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



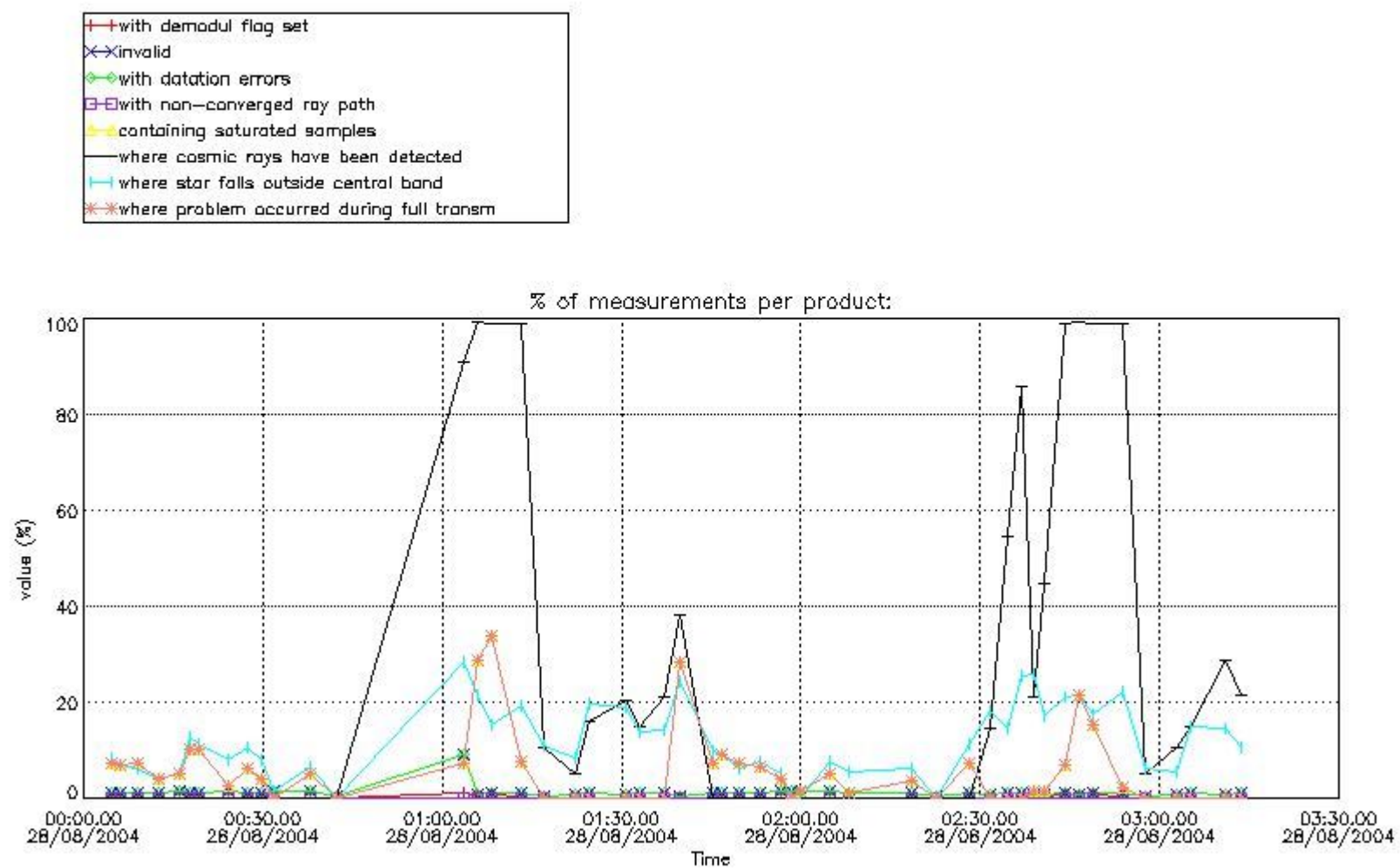
5. Demodulation flag and quality information monitoring

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.

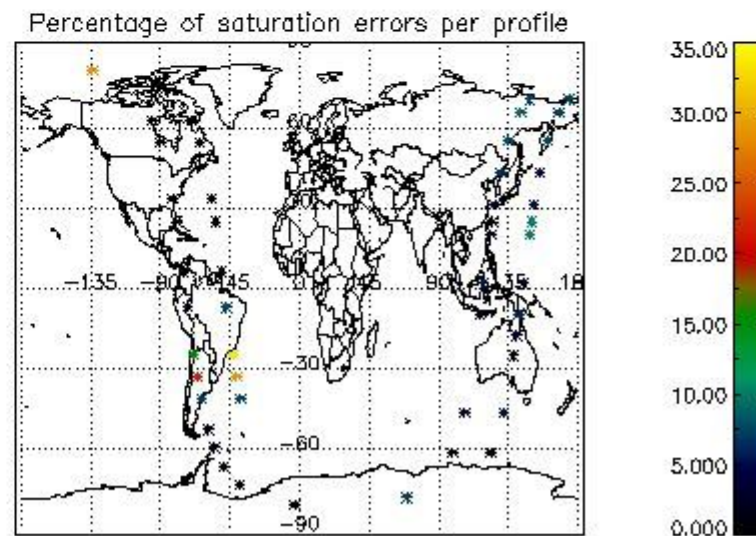
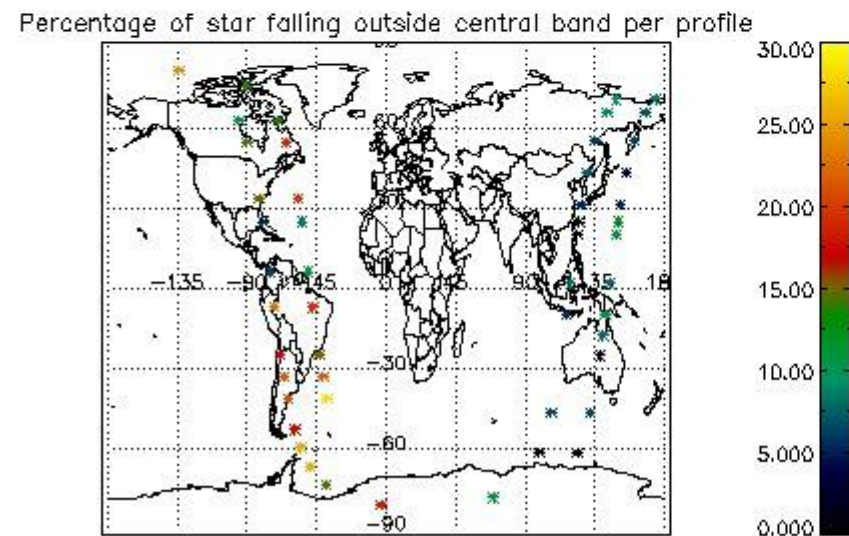
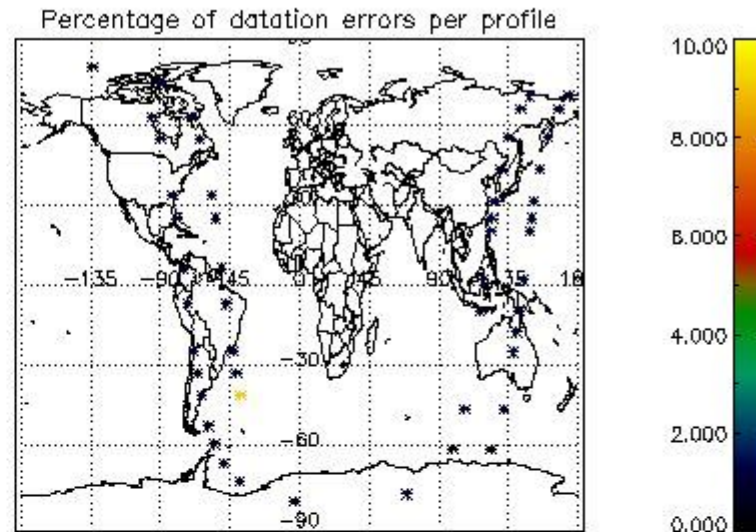
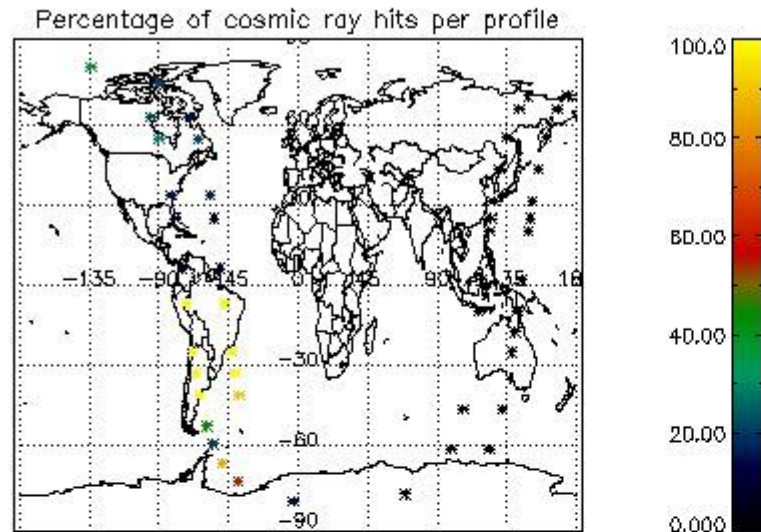
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	22.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



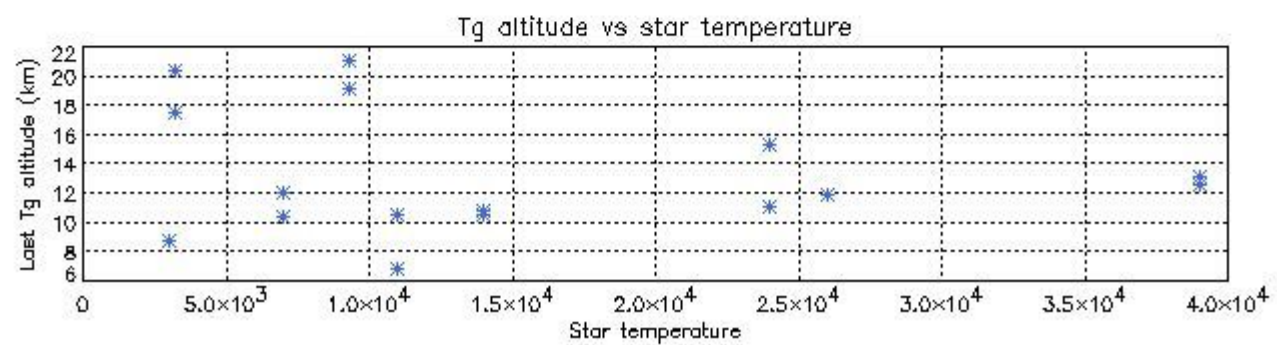
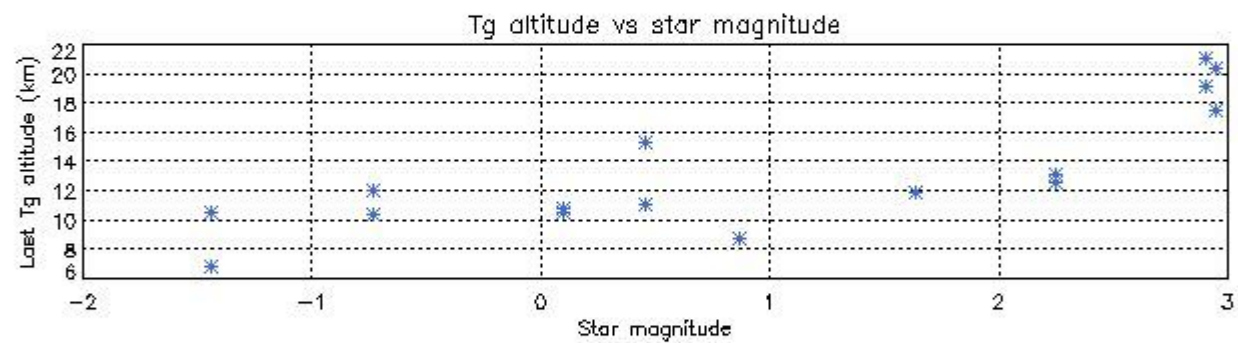
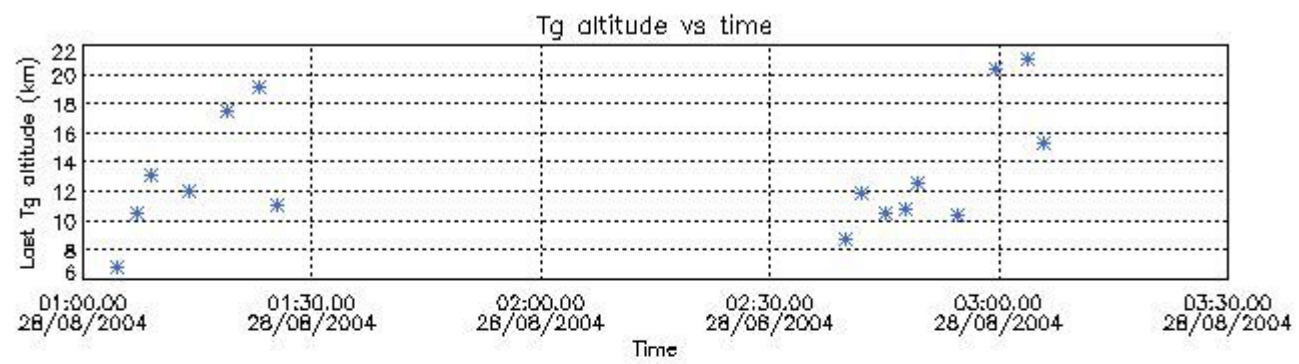
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.241	21.541	13.728
St. deviation:	4.2153	7.5892	2.9754
Maximum:	21.035	45.328	17.481
Minimum:	6.8444	10.332	9.0023
Number of data:	16.000	27.000	7.0000

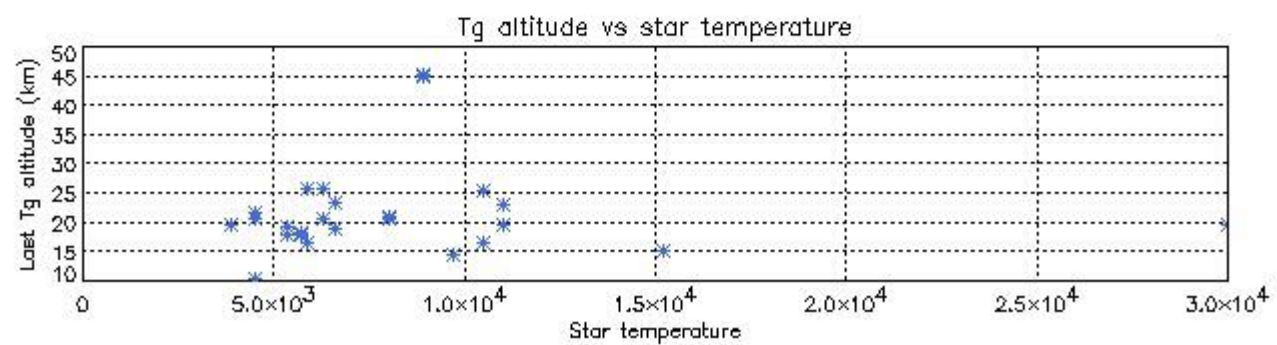
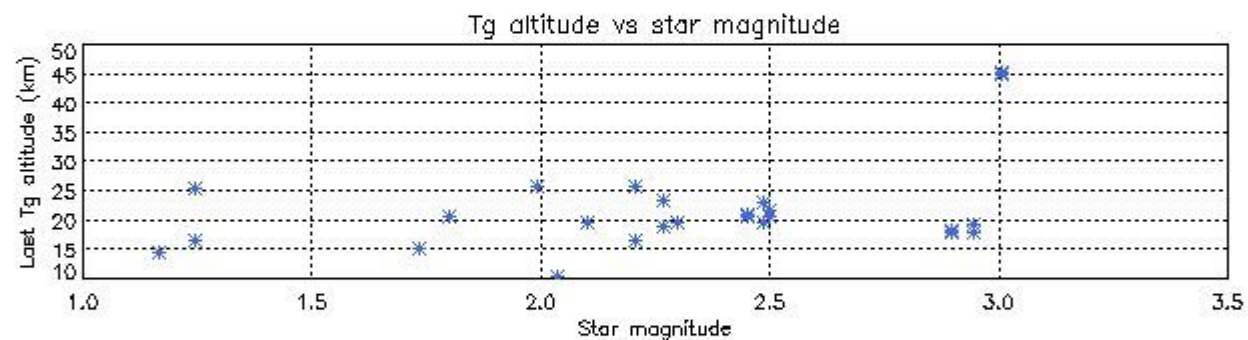
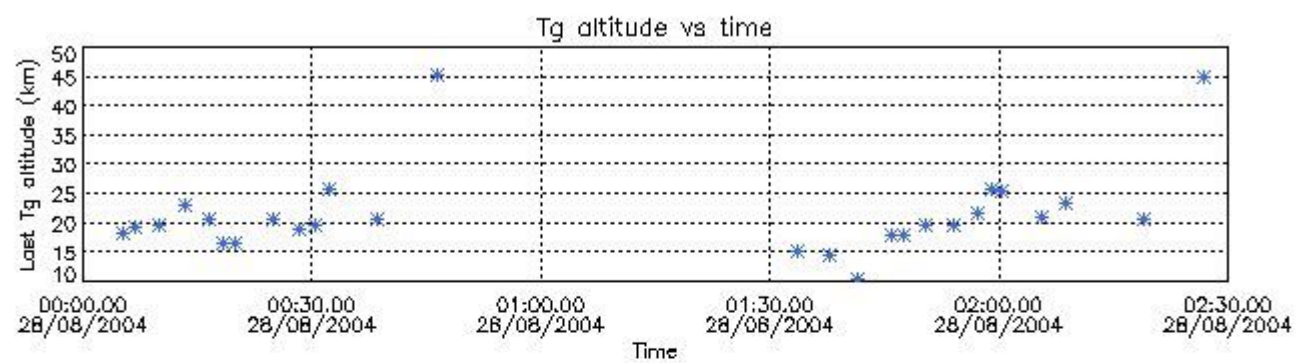
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



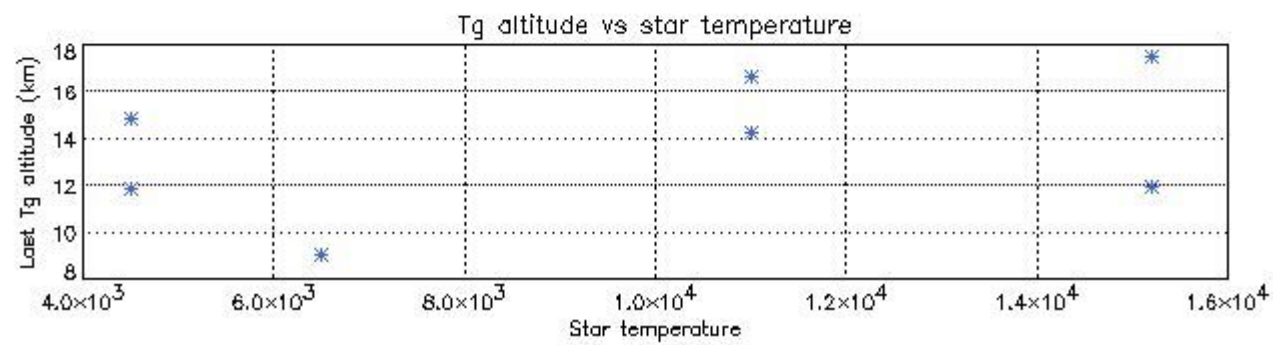
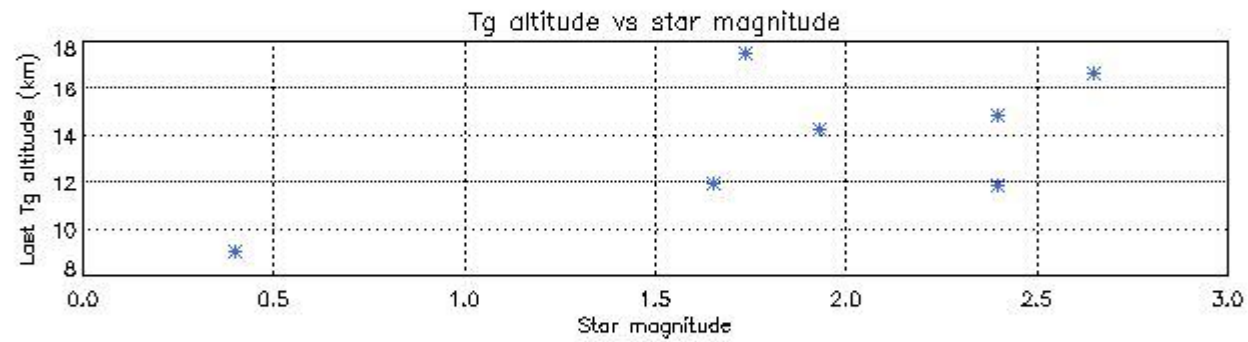
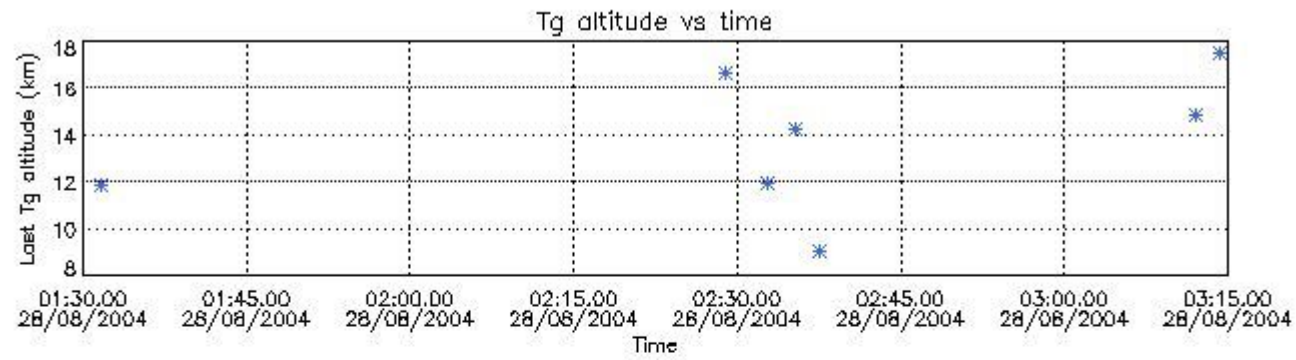
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

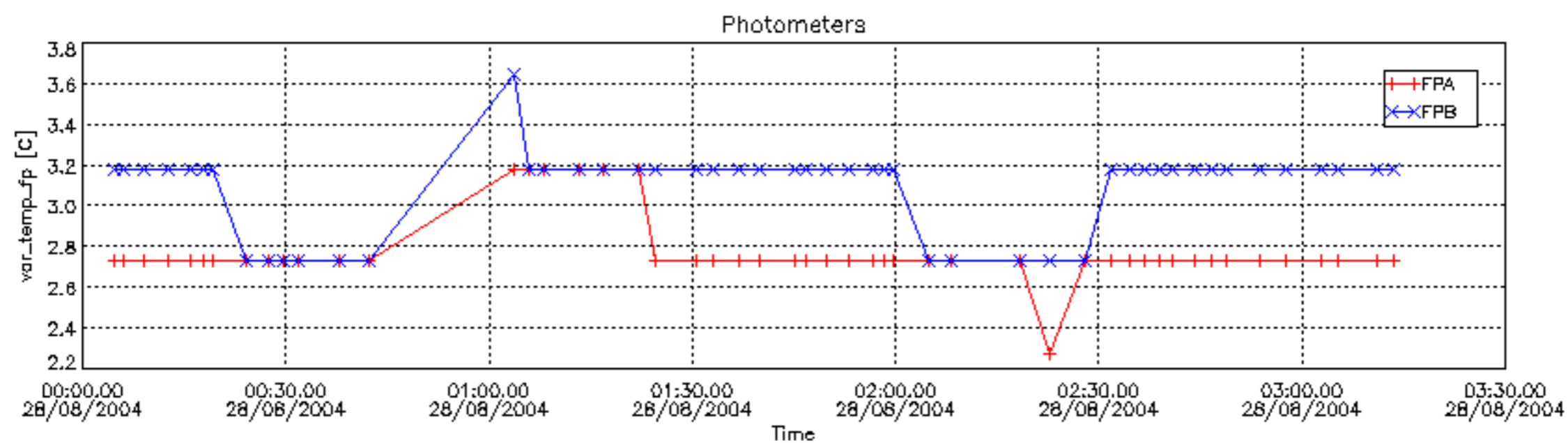
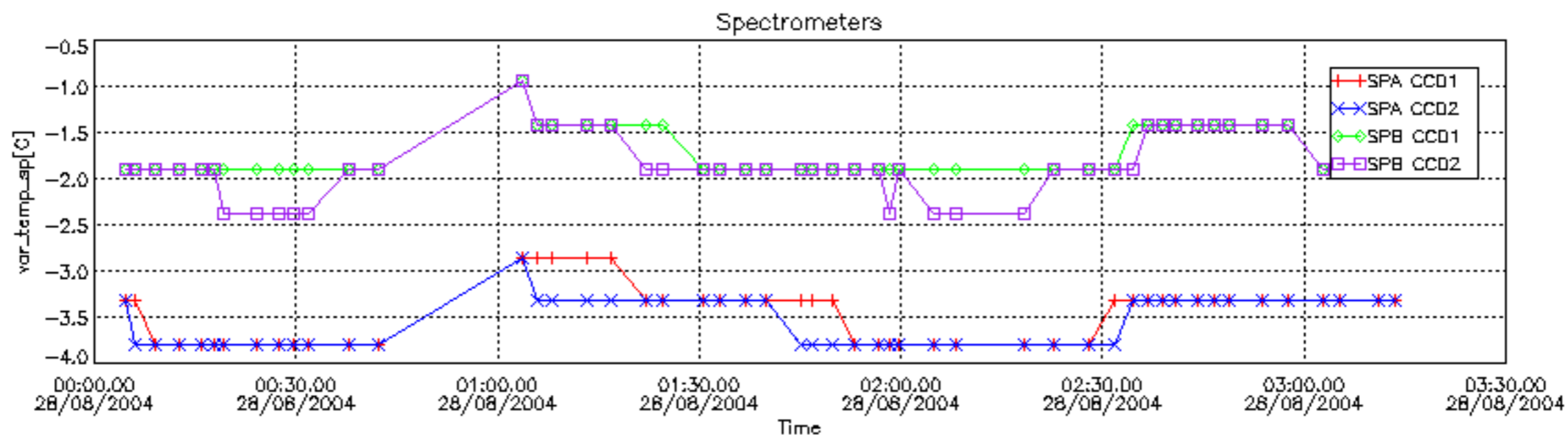
Tangent altitude at which the star is lost

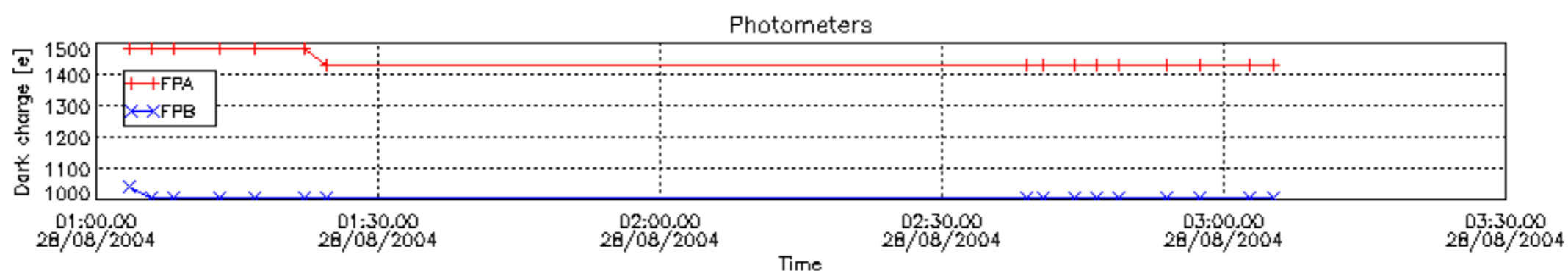
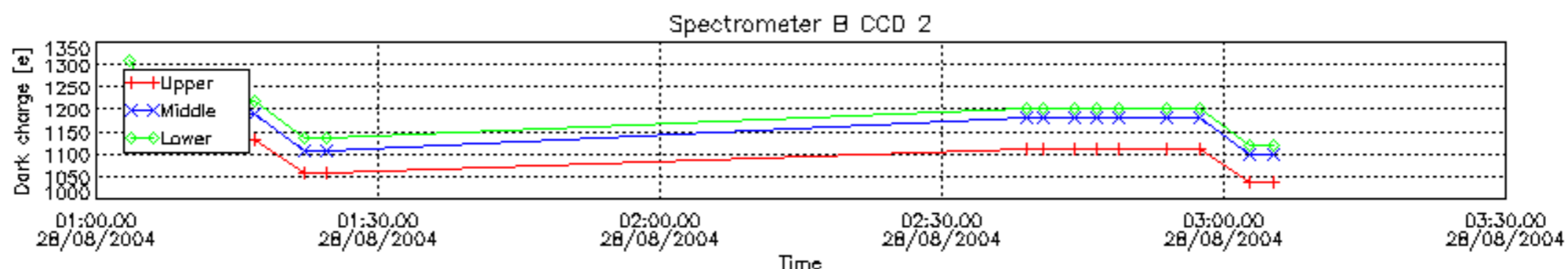
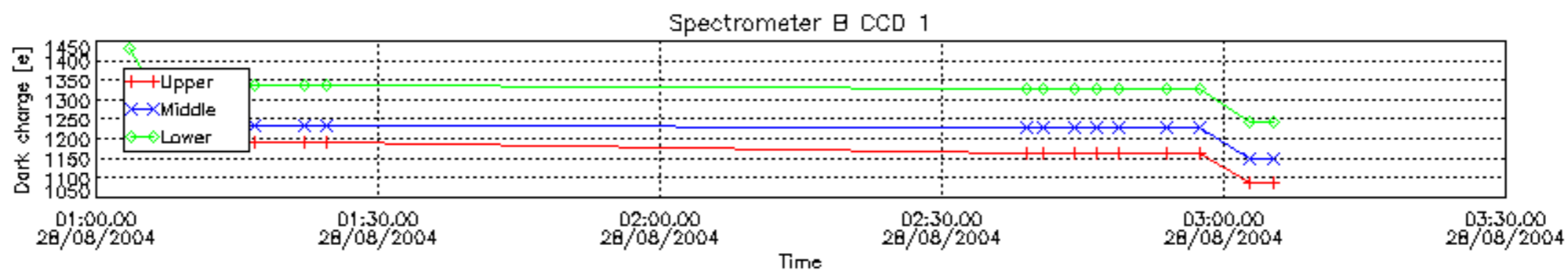
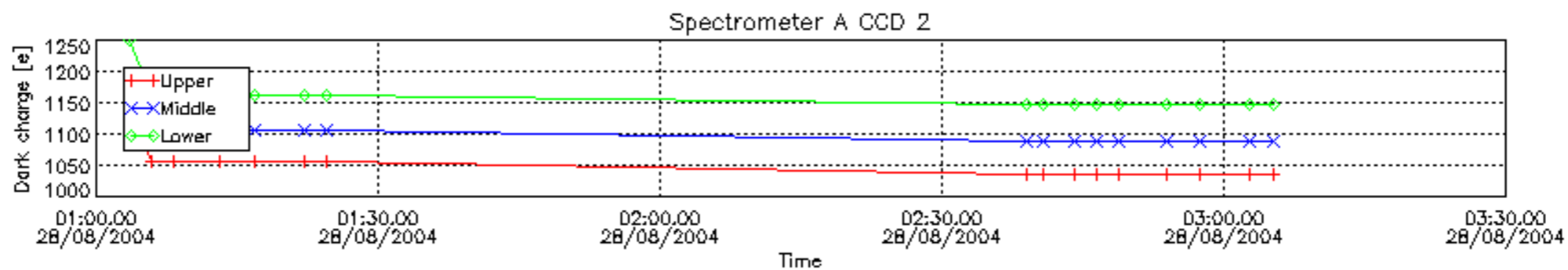
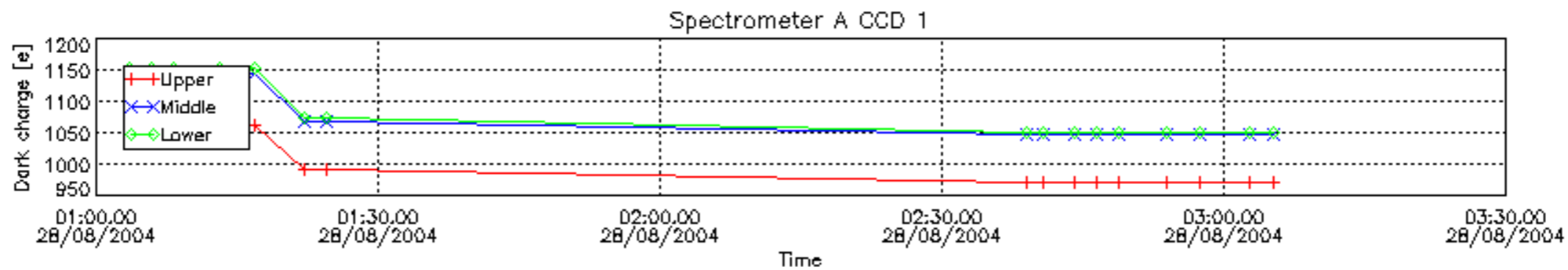


7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

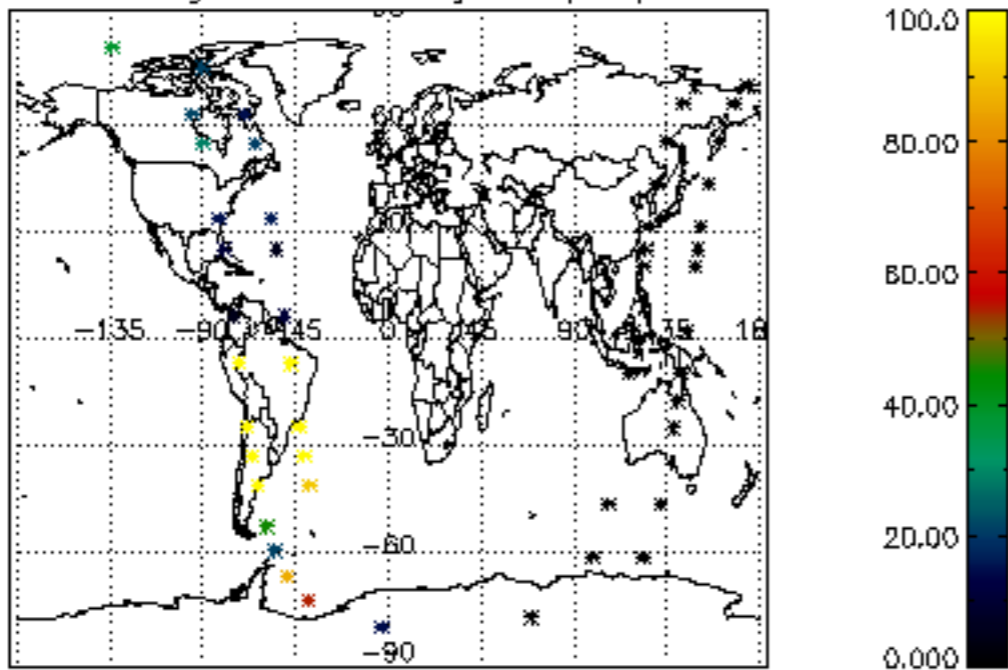
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: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

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1462.1	1448.0	1462.2	1447.9
St. deviation:	3.7669	5.1583	6.6441	7.1974
Maximum:	1501.0	1486.0	1507.0	1499.0
Minimum:	1457.0	1430.0	1418.0	1409.0
Number of data:	26550.	26550.	39550.	39550.

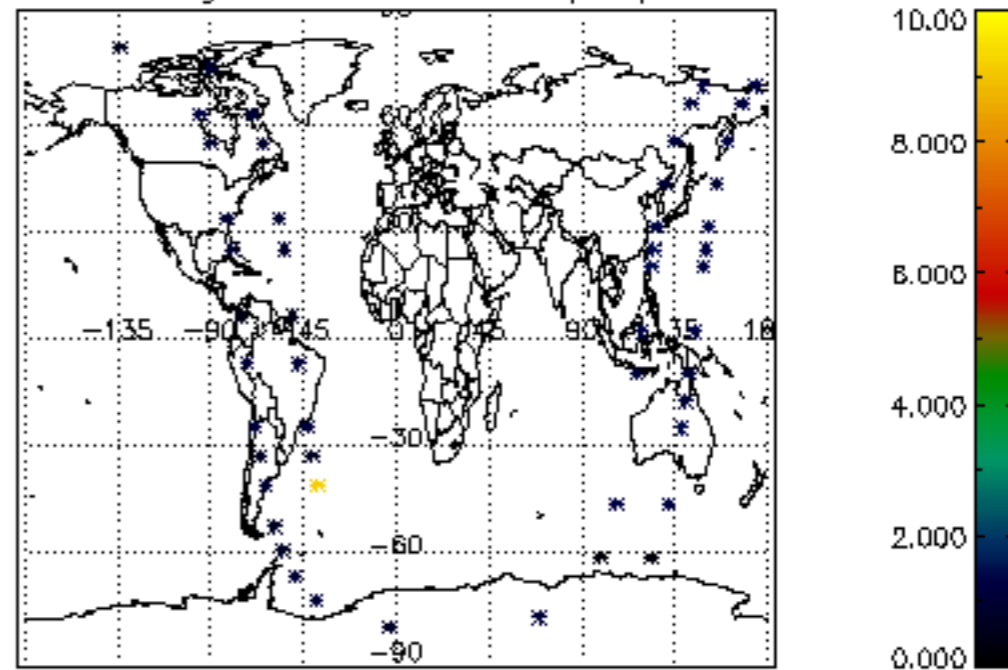




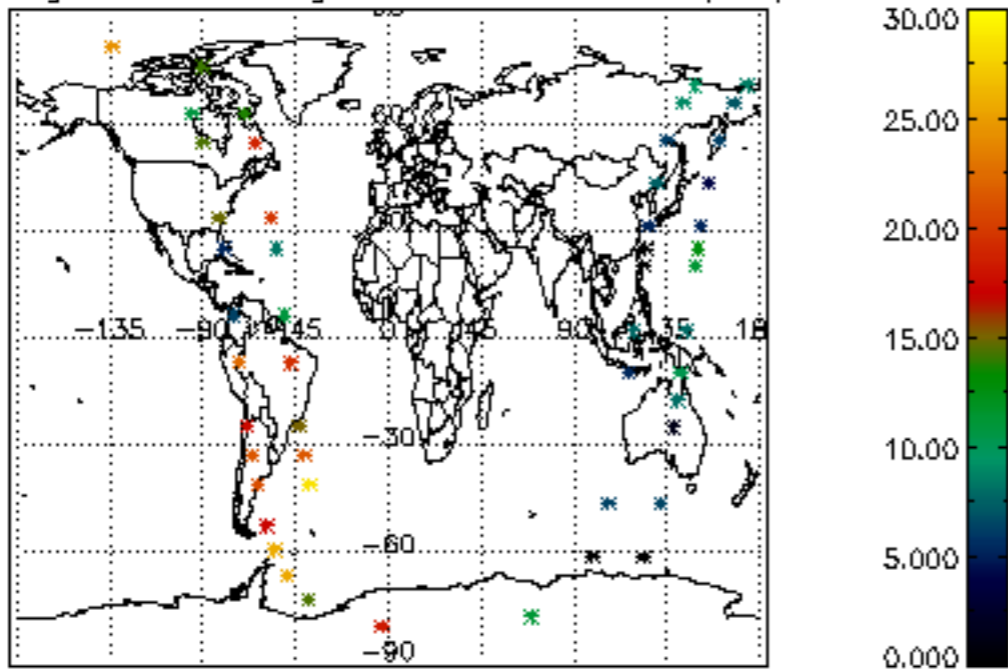
Percentage of cosmic ray hits per profile



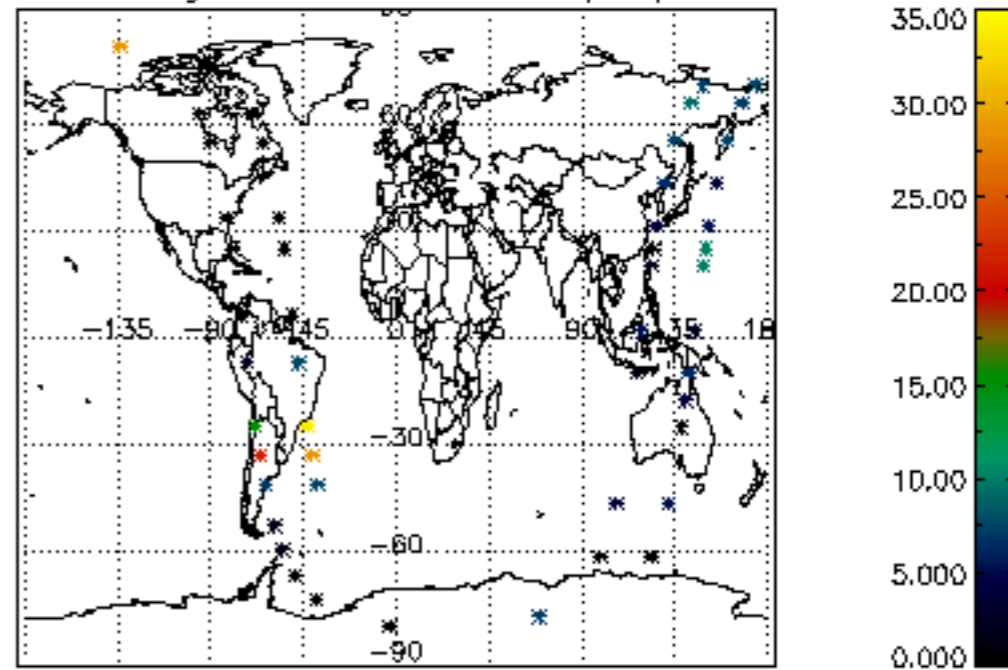
Percentage of datation errors per profile



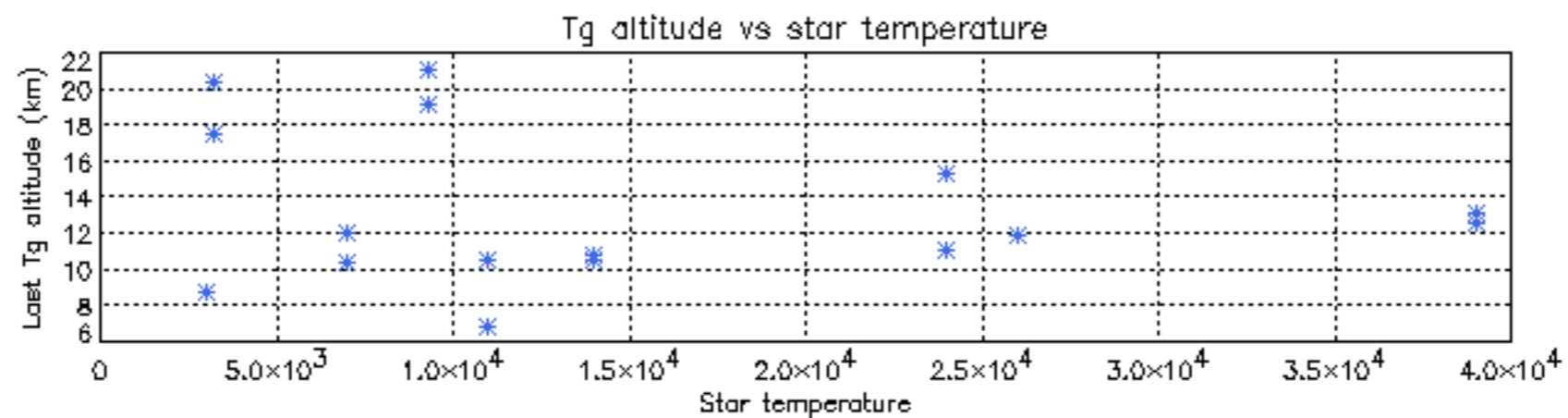
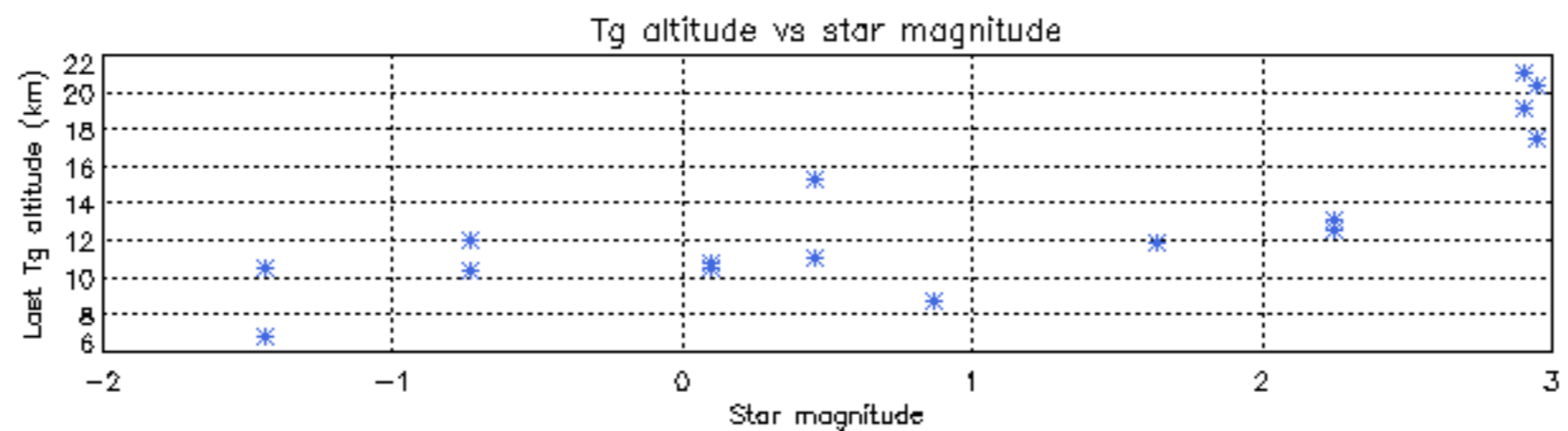
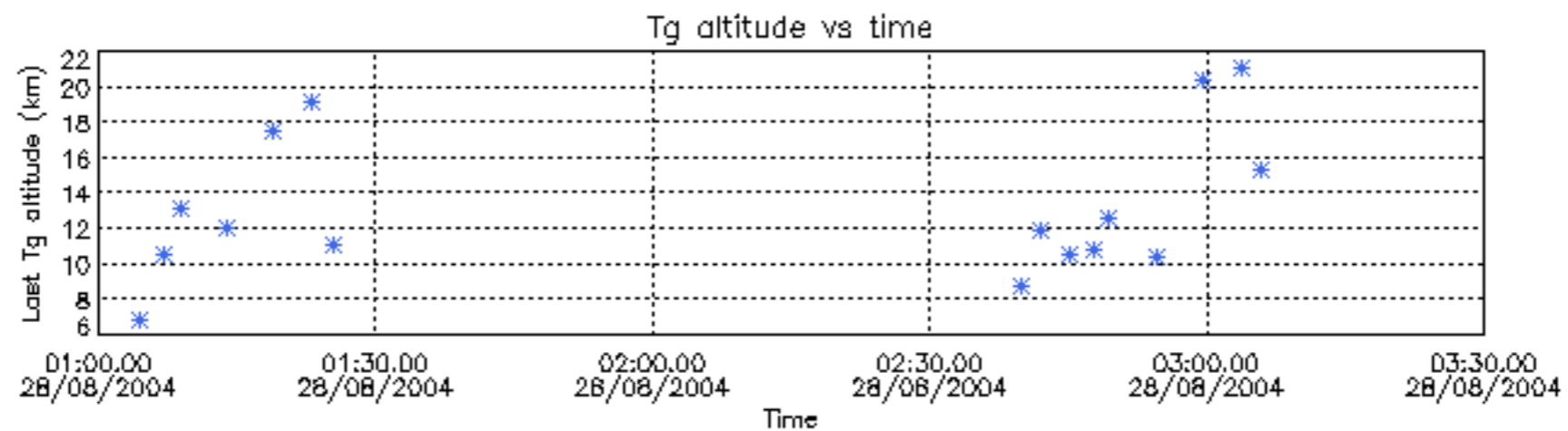
Percentage of star falling outside central band per profile



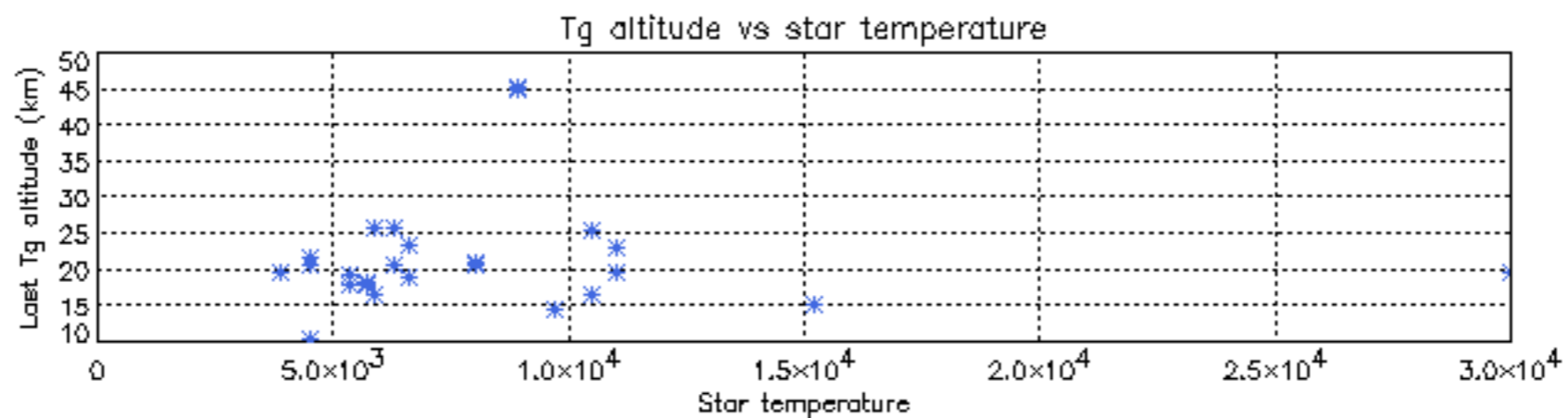
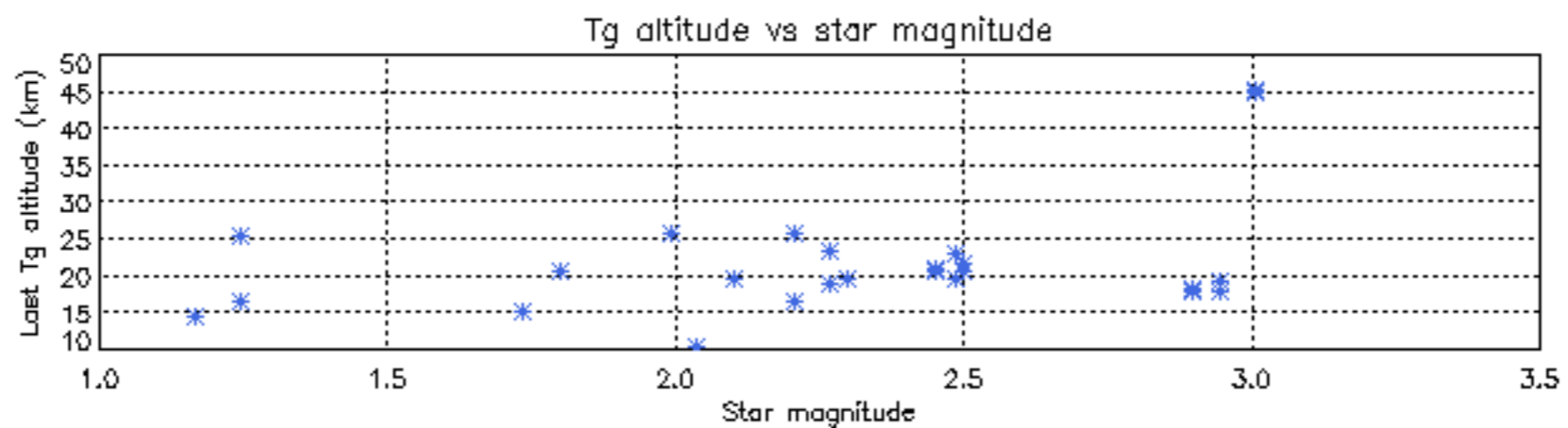
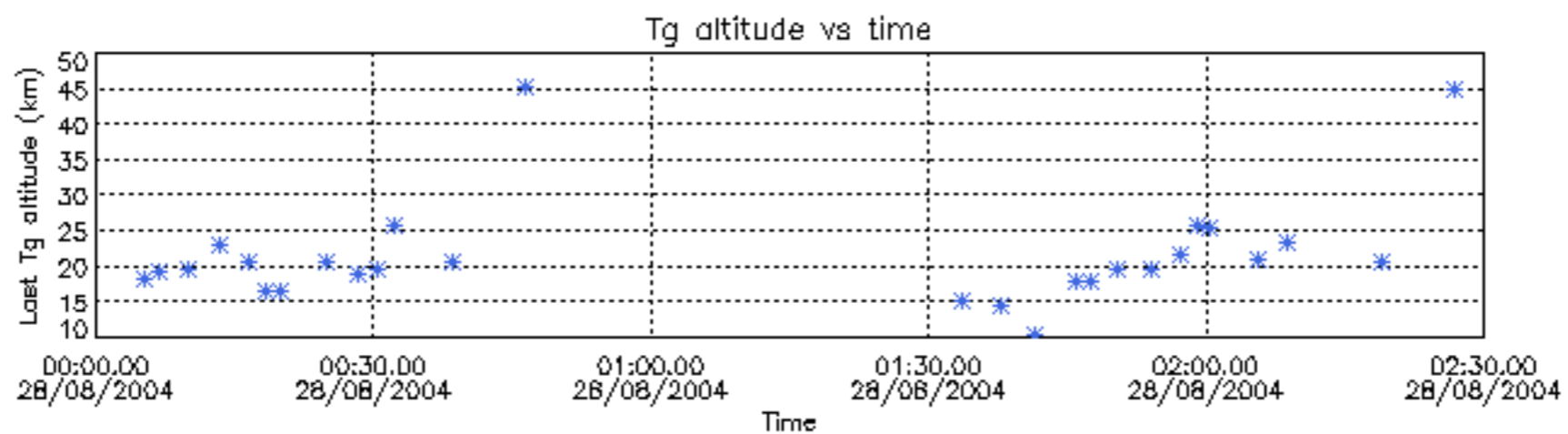
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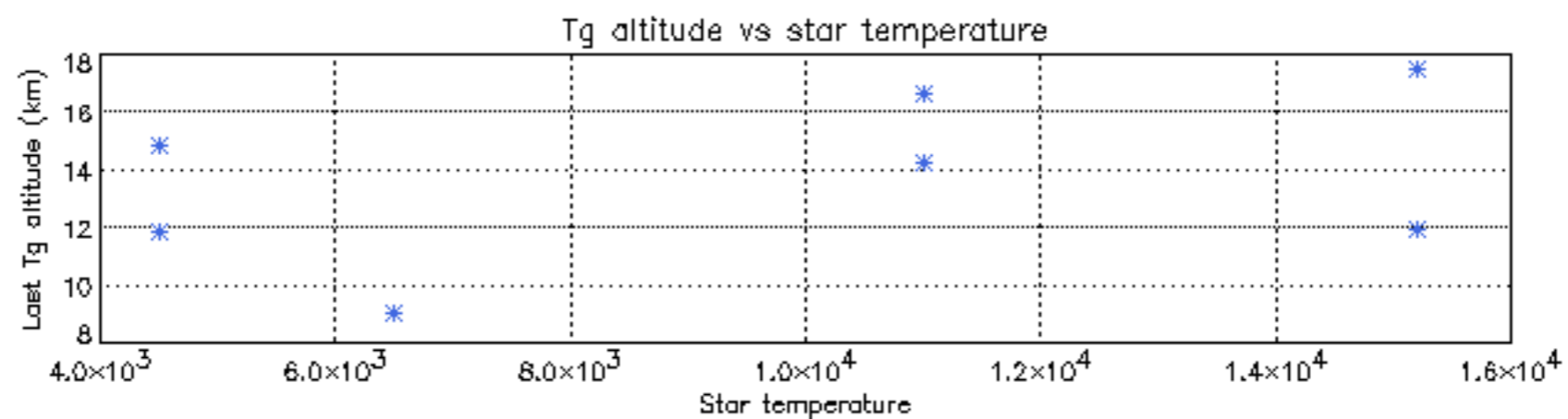
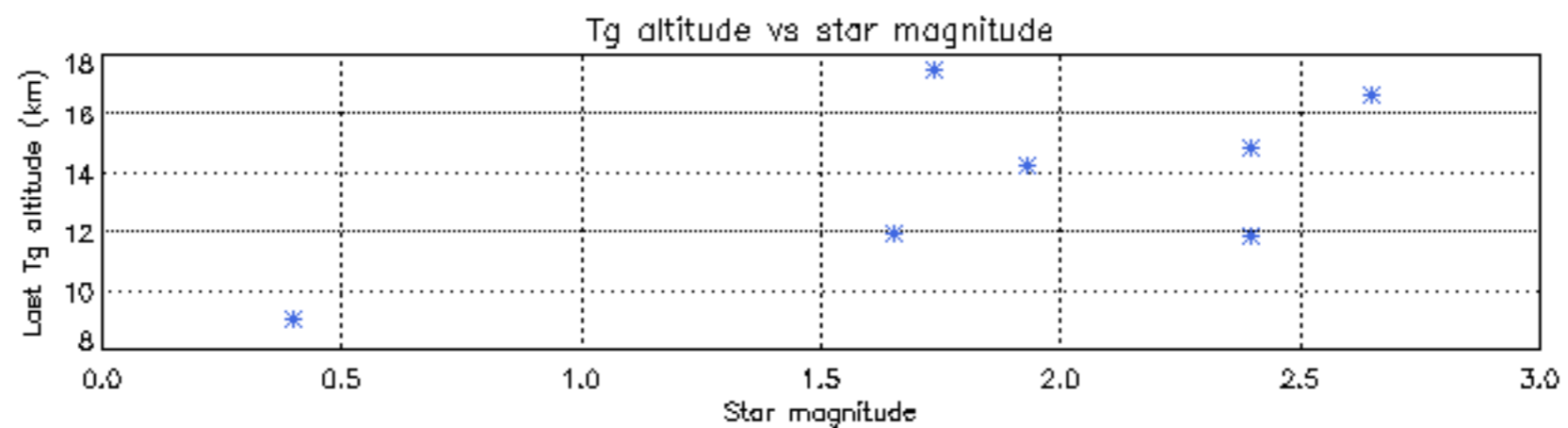
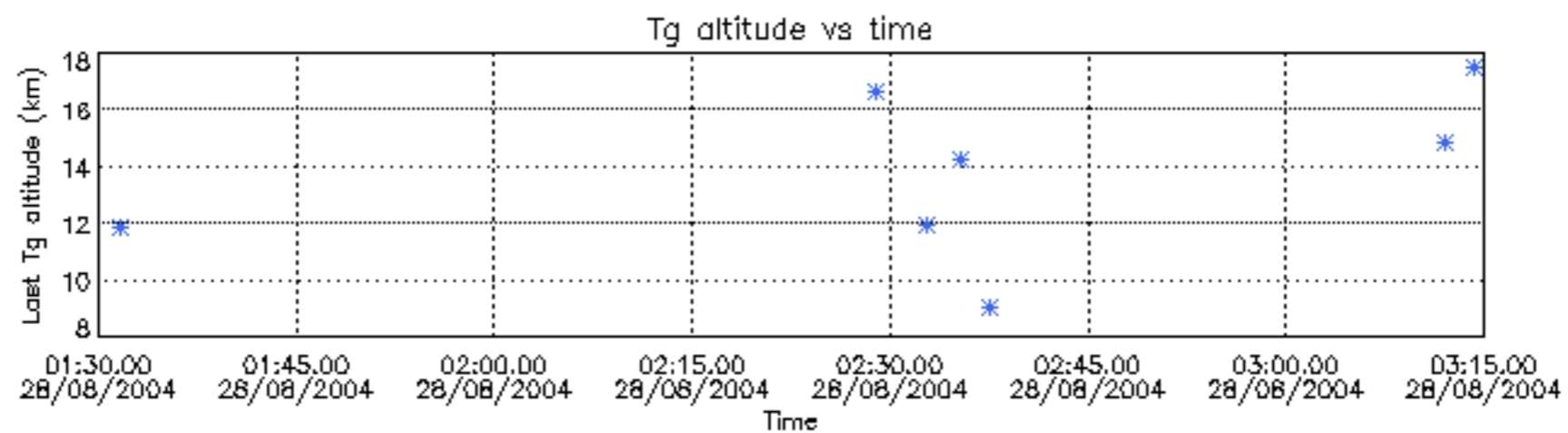
Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



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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
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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
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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
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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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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
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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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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 2;-4219.5; 02-AUG-2004 13:46:53; Bright; 51.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 103; 0;12675
 3;-3979.8; 02-AUG-2004 13:50:52; Bright; 38.5; 11; 53Alp Aql ; 0.76; 8000;occ; 77; 0;12675
 4;-3891.0; 02-AUG-2004 13:52:21; Bright; 36.5; 168; 17Zet Aql ; 2.99; 11000;occ; 73; 0;12675
 5;-3465.1; 02-AUG-2004 13:59:27; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;12675
 6;-3347.6; 02-AUG-2004 14:01:25; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;12675
 7;-3235.4; 02-AUG-2004 14:03:17; Bright; 41.0; 69; 33Gam Dra ; 2.23; 3800;occ; 82; 0;12675
 8;-2991.4; 02-AUG-2004 14:07:21; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;12675
 9;-2743.8; 02-AUG-2004 14:11:28; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;12675
 10;-2596.7; 02-AUG-2004 14:13:56; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;12675
 11;-2458.3; 02-AUG-2004 14:16:14; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;12675
 12;-2067.8; 02-AUG-2004 14:22:45; Bright; 316.0; 160; 23Gam Per ; 2.93; 4700;occ; 632; 547;12675
 13;-144771048.8; 01-JAN-2000 00:46:23; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 90;12675
 14;-144770922.2; 01-JAN-2000 00:48:30; Bright; 87.0; 73; 57Gam1And ; 2.26; 13100;occ; 174; 0;12675
 15;-144770764.8; 01-JAN-2000 00:51:07; Dark ; 255.0; 53; 43Bet And ; 2.05; 3300;occ; 510; 0;12675
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 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
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 23;-144769601.1; 01-JAN-2000 01:10:31; Dark ; 39.5; 177; 1Zet CMA ; 3.02; 26000;occ; 79; 0;12675
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 25;-144769231.6; 01-JAN-2000 01:16:41; Dark ; 51.0; 2; Alp Car ; -0.74; 7000;occ; 102; 0;12675
 26;-144769024.4; 01-JAN-2000 01:20:08; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;12675
 27;-144768701.3; 01-JAN-2000 01:25:31; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;12675
 28;-144768594.9; 01-JAN-2000 01:27:17; Dark ; 41.0; 135; Bet Hyi ; 2.82; 5800;occ; 82; 0;12675
 29;-144768406.0; 01-JAN-2000 01:30:26; Dark ; 65.0; 84; Alp Phe ; 2.40; 4500;occ; 130; 0;12675
 30;-144768297.3; 01-JAN-2000 01:32:15; Dark ; 45.5; 148; Alp Tuc ; 2.88; 4100;occ; 91; 0;12675
 31;-144768092.7; 01-JAN-2000 01:35:40; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 15;12675
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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
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 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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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
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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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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