

GOMOS Daily Report 27-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 05:20:03
Data source version	GOMOS/4.02
Start time of products	QDS_TODAY(/START)-6D (27AUG2004 00:00:00)
Stop time of products	QDS_TODAY(/STOP)-6D (28AUG2004 00:00:00)

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

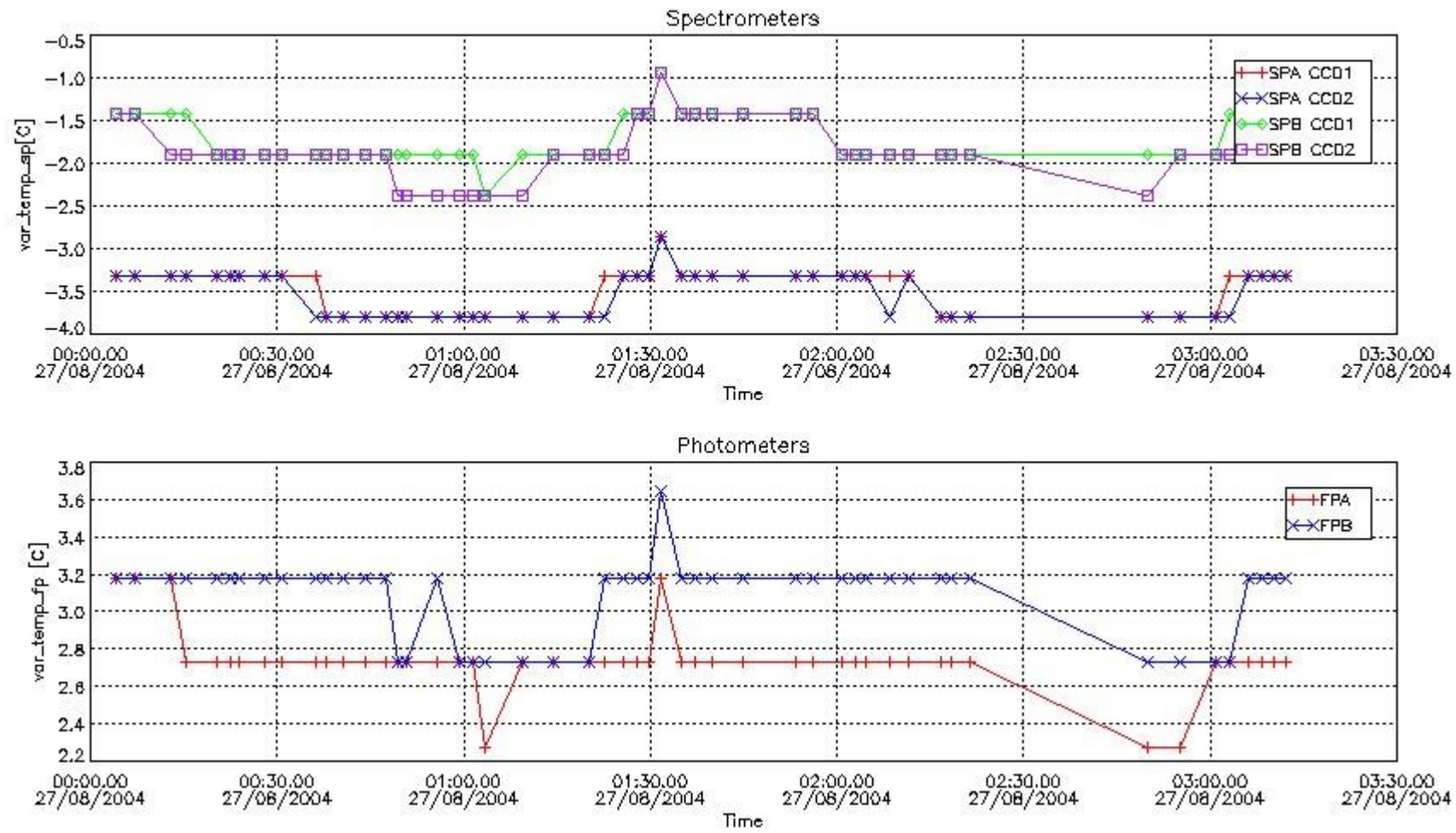
2. Summary of products arrived in PCF (Product Control Facility)

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_1PNPDE20040827_000407_000000482029_00445_13024_0003.N1	27-AUG-2004 00:04:07	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	13024	No
GOM_TRA_1PNPDE20040827_000707_000001172029_00446_13025_0004.N1	27-AUG-2004 00:07:07	Dark	117.00	165	34Gam Eri	2.9500	3200.0	234	13025	No
GOM_TRA_1PNPDE20040827_001251_000000592029_00446_13025_0005.N1	27-AUG-2004 00:12:51	Dark	58.500	157	The1Eri	2.9060	9300.0	117	13025	No
GOM_TRA_1PNPDE20040827_001527_000000482029_00446_13025_0006.N1	27-AUG-2004 00:15:27	Dark	47.500	9	Alp Eri	0.45300	24000.	95	13025	No
GOM_TRA_1PNPDE20040827_002016_000000502029_00446_13025_0007.N1	27-AUG-2004 00:20:16	Twilight	50.000	148	Alp Tuc	2.8780	4100.0	100	13025	No
GOM_TRA_1PNPDE20040827_002226_000000432029_00446_13025_0008.N1	27-AUG-2004 00:22:26	Twilight	43.000	45	Alp Pav	1.9400	26000.	86	13025	No
GOM_TRA_1PNPDE20040827_002352_000000472029_00446_13025_0009.N1	27-AUG-2004 00:23:52	Bright	47.000	31	Alp Gru	1.7340	15200.	94	13025	No
GOM_TRA_1PNPDE20040827_002754_000000552029_00446_13025_0010.N1	27-AUG-2004 00:27:54	Bright	55.000	18	24Alp PsA	1.1660	9700.0	110	13025	No
GOM_TRA_1PNPDE20040827_003045_000001032029_00446_13025_0011.N1	27-AUG-2004 00:30:45	Bright	103.00	52	16Bet Cet	2.0370	4500.0	206	13025	No
GOM_TRA_1PNPDE20040827_003609_000000412029_00446_13025_0012.N1	27-AUG-2004 00:36:09	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	13025	No
GOM_TRA_1PNPDE20040827_003745_000000452029_00446_13025_0013.N1	27-AUG-2004 00:37:45	Bright	44.500	162	34Alp Aqr	2.9440	5350.0	89	13025	No
GOM_TRA_1PNPDE20040827_004045_000000442029_00446_13025_0014.N1	27-AUG-2004 00:40:45	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	13025	No
GOM_TRA_1PNPDE20040827_004419_000000532029_00446_13025_0015.N1	27-AUG-2004 00:44:19	Bright	52.500	90	54Alp Peg	2.4870	11000.	105	13025	No
GOM_TRA_1PNPDE20040827_004734_000000392029_00446_13025_0016.N1	27-AUG-2004 00:47:34	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	13025	No
GOM_TRA_1PNPDE20040827_004921_000000392029_00446_13025_0017.N1	27-AUG-2004 00:49:21	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	13025	No
GOM_TRA_1PNPDE20040827_005045_000000382029_00446_13025_0018.N1	27-AUG-2004 00:50:45	Bright	37.500	19	50Alp Cyg	1.2460	10500.	75	13025	No
GOM_TRA_1PNPDE20040827_005551_000000362029_00446_13025_0019.N1	27-AUG-2004 00:55:51	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	13025	No
GOM_TRA_1PNPDE20040827_005916_000000462029_00446_13025_0020.N1	27-AUG-2004 00:59:16	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	13025	No
GOM_TRA_1PNPDE20040827_010127_000000482029_00446_13025_0021.N1	27-AUG-2004 01:01:27	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	13025	No
GOM_TRA_1PNPDE20040827_010324_000000372029_00446_13025_0022.N1	27-AUG-2004 01:03:24	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	13025	No
GOM_TRA_1PNPDE20040827_010922_000000422029_00446_13025_0023.N1	27-AUG-2004 01:09:22	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	13025	No
GOM_TRA_1PNPDE20040827_011430_000002552029_00446_13025_0024.N1	27-AUG-2004 01:14:30	Twilight	255.00	173	4Bet Tri	3.0040	8900.0	510	13025	No
GOM_TRA_1PNPDE20040827_012011_000000382029_00446_13025_0025.N1	27-AUG-2004 01:20:11	Twilight	38.000	24	66Alp Gem	1.5800	10200.	76	13025	No
GOM_TRA_1PNPDE20040827_012236_000000672029_00446_13025_0026.N1	27-AUG-2004 01:22:36	Twilight	66.500	28	12Bet Tau	1.6500	15200.	133	13025	No
GOM_TRA_1PNPDE20040827_012535_000000512029_00446_13025_0027.N1	27-AUG-2004 01:25:35	Twilight	51.000	44	24Gam Gem	1.9280	11000.	102	13025	No
GOM_TRA_1PNPDE20040827_012743_000000472029_00446_13025_0028.N1	27-AUG-2004 01:27:43	Twilight	46.500	8	10Alp CMI	0.40000	6500.0	93	13025	No
GOM_TRA_1PNPDE20040827_012946_000000702029_00446_13025_0029.N1	27-AUG-2004 01:29:46	Dark	70.000	14	58Alp Ori	0.87000	3000.0	140	13025	No
GOM_TRA_1PNPDE20040827_013137_000000632029_00446_13025_0000.N1	27-AUG-2004 01:31:37	Dark	62.500	27	24Gam Ori	1.6360	26000.	125	13025	Yes
GOM_TRA_1PNPDE20040827_013504_000000502029_00446_13025_0001.N1	27-AUG-2004 01:35:04	Dark	50.000	1	9Alp CMa	-1.4400	11000.	100	13025	No
GOM_TRA_1PNPDE20040827_013712_000000772029_00446_13025_0002.N1	27-AUG-2004 01:37:12	Dark	77.000	7	19Bet Ori	0.10000	14000.	154	13025	No
GOM_TRA_1PNPDE20040827_013947_000000432029_00446_13025_0003.N1	27-AUG-2004 01:39:47	Dark	42.500	70	Zet Pup	2.2460	39000.	85	13025	No
GOM_TRA_1PNPDE20040827_014444_000000472029_00446_13025_0004.N1	27-AUG-2004 01:44:44	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	13025	No
GOM_TRA_1PNPDE20040827_015328_000000582029_00447_13026_0005.N1	27-AUG-2004 01:53:28	Dark	58.000	157	The1Eri	2.9060	9300.0	116	13026	No
GOM_TRA_1PNPDE20040827_015604_000000512029_00447_13026_0006.N1	27-AUG-2004 01:56:04	Dark	51.000	9	Alp Eri	0.45300	24000.	102	13026	No
GOM_TRA_1PNPDE20040827_020052_000000422029_00447_13026_0007.N1	27-AUG-2004 02:00:52	Twilight	42.000	148	Alp Tuc	2.8780	4100.0	84	13026	No
GOM_TRA_1PNPDE20040827_020302_000000422029_00447_13026_0008.N1	27-AUG-2004 02:03:02	Twilight	41.500	45	Alp Pav	1.9400	26000.	83	13026	No
GOM_TRA_1PNPDE20040827_020429_000000462029_00447_13026_0009.N1	27-AUG-2004 02:04:29	Bright	46.000	31	Alp Gru	1.7340	15200.	92	13026	No
GOM_TRA_1PNPDE20040827_020831_000000552029_00447_13026_0010.N1	27-AUG-2004 02:08:31	Bright	54.500	18	24Alp PsA	1.1660	9700.0	109	13026	No
GOM_TRA_1PNPDE20040827_021121_000001122029_00447_13026_0011.N1	27-AUG-2004 02:11:21	Bright	112.00	52	16Bet Cet	2.0370	4500.0	224	13026	No
GOM_TRA_1PNPDE20040827_021643_000000442029_00447_13026_0012.N1	27-AUG-2004 02:16:43	Bright	43.500	154	22Bet Aqr	2.8990	5700.0	87	13026	No
GOM_TRA_1PNPDE20040827_021821_000000452029_00447_13026_0013.N1	27-AUG-2004 02:18:21	Bright	44.500	162	34Alp Aqr	2.9440	5350.0	89	13026	No
GOM_TRA_1PNPDE20040827_022123_000000422029_00447_13026_0014.N1	27-AUG-2004 02:21:23	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	13026	No
GOM_TRA_1PNPDE20040827_024959_000000422029_00447_13026_0000.N1	27-AUG-2004 02:49:59	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	13026	No
GOM_TRA_1PNPDE20040827_025503_000002552029_00447_13026_0001.N1	27-AUG-2004 02:55:03	Bright	255.00	173	4Bet Tri	3.0040	8900.0	510	13026	No
GOM_TRA_1PNPDE20040827_030047_000000412029_00447_13026_0002.N1	27-AUG-2004 03:00:47	Twilight	41.000	24	66Alp Gem	1.5800	10200.	82	13026	No
GOM_TRA_1PNPDE20040827_030313_000000632029_00447_13026_0003.N1	27-AUG-2004 03:03:13	Twilight	63.000	28	12Bet Tau	1.6500	15200.	126	13026	No
GOM_TRA_1PNPDE20040827_030611_000000522029_00447_13026_0004.N1	27-AUG-2004 03:06:11	Twilight	51.500	44	24Gam Gem	1.9280	11000.	103	13026	No
GOM_TRA_1PNPDE20040827_030818_000000472029_00447_13026_0005.N1	27-AUG-2004 03:08:18	Twilight	46.500	8	10Alp CMI	0.40000	6500.0	93	13026	No
GOM_TRA_1PNPDE20040827_031020_000000652029_00447_13026_0006.N1	27-AUG-2004 03:10:20	Dark	64.500	14	58Alp Ori	0.87000	3000.0	129	13026	No

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



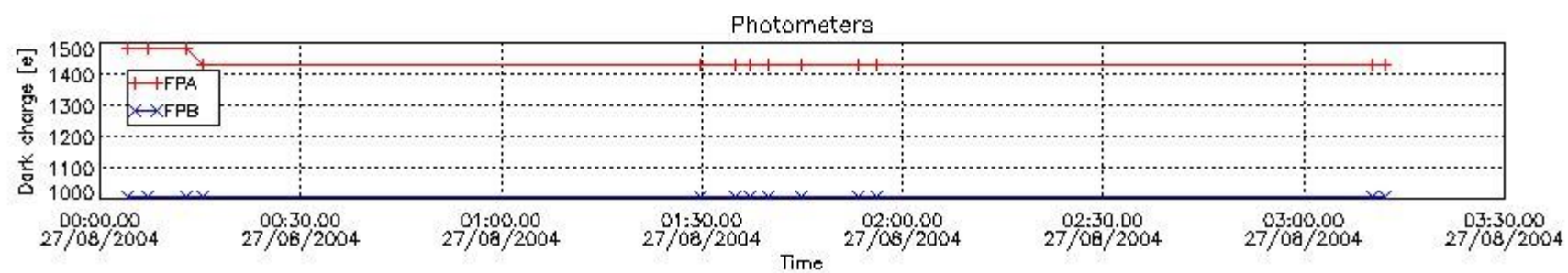
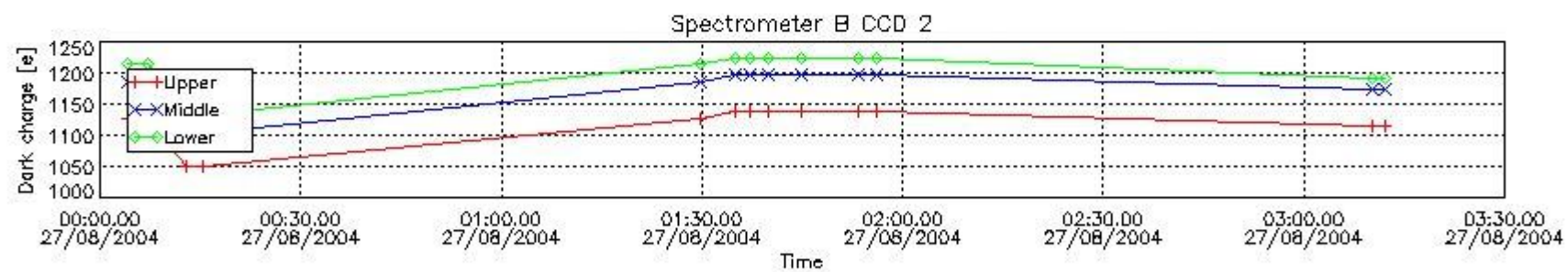
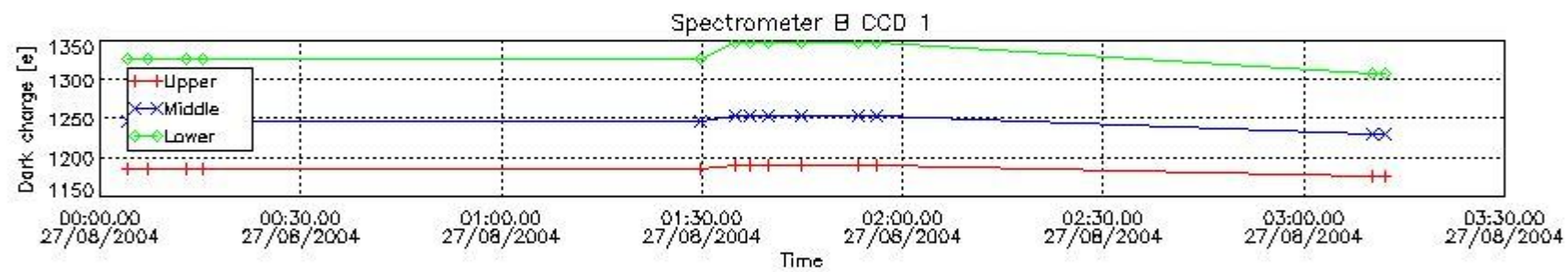
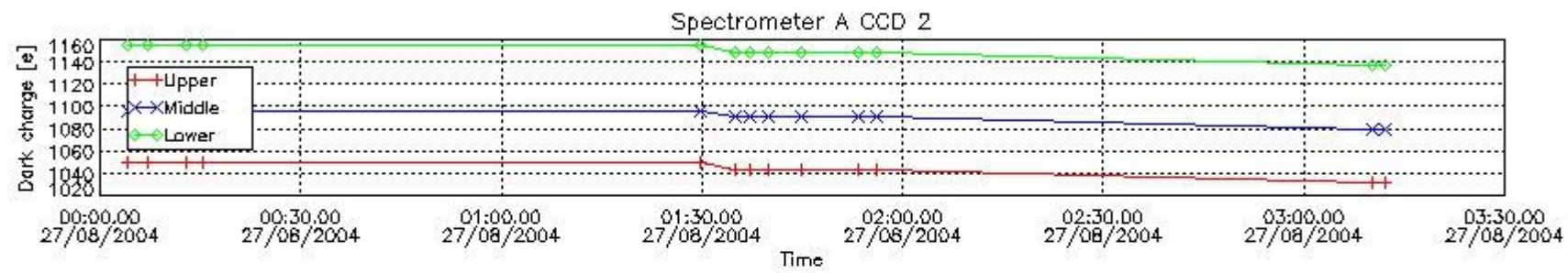
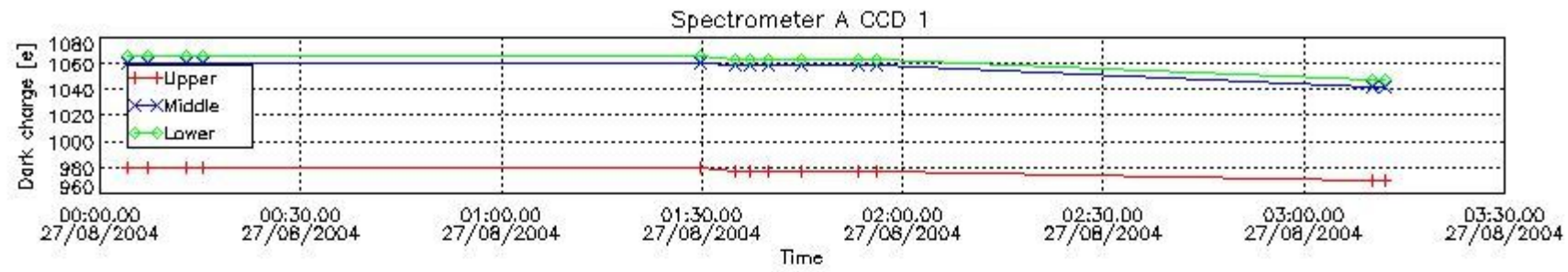
4. Overview of dark signal processing per product

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



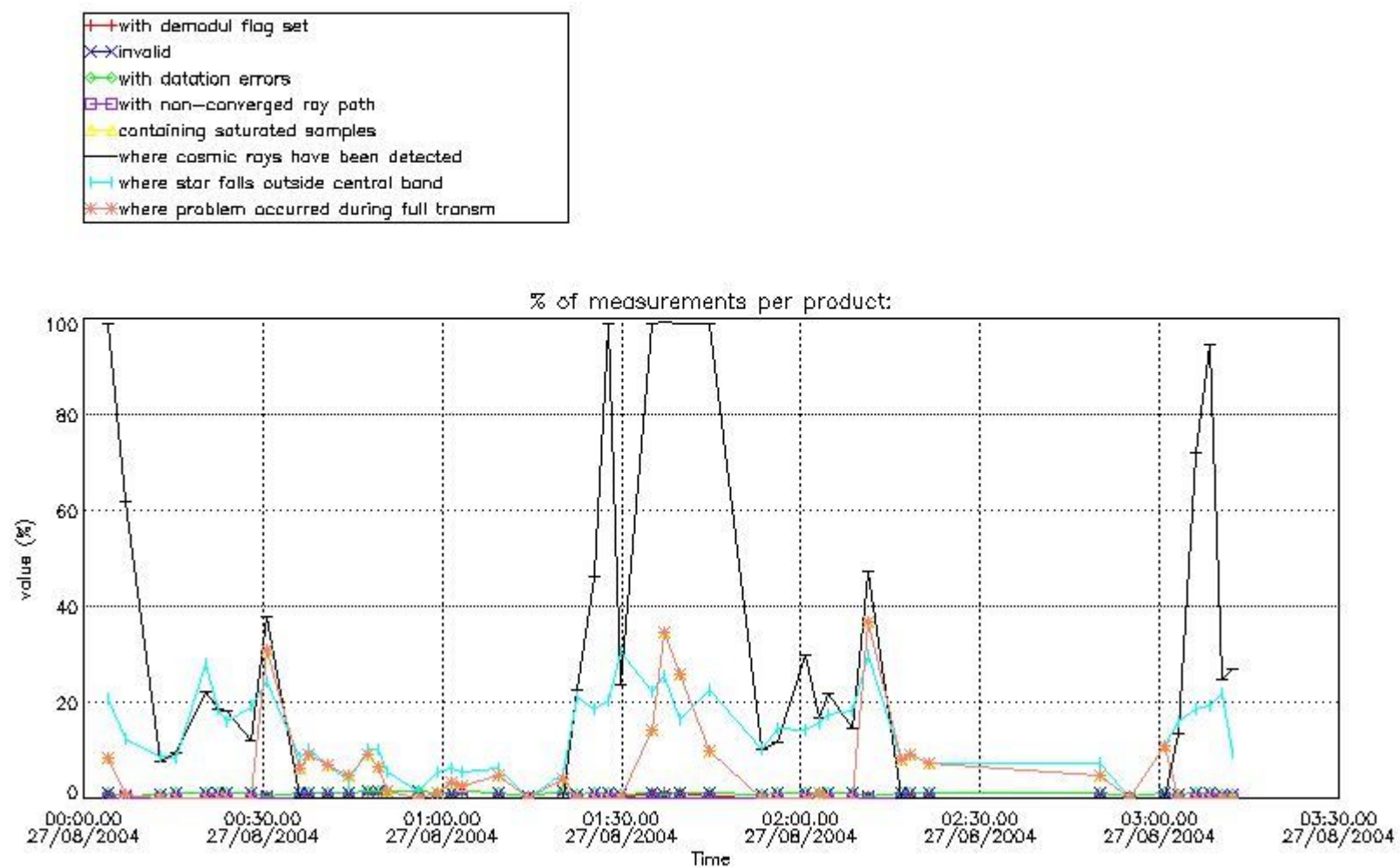
5. Demodulation flag and quality information monitoring

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.

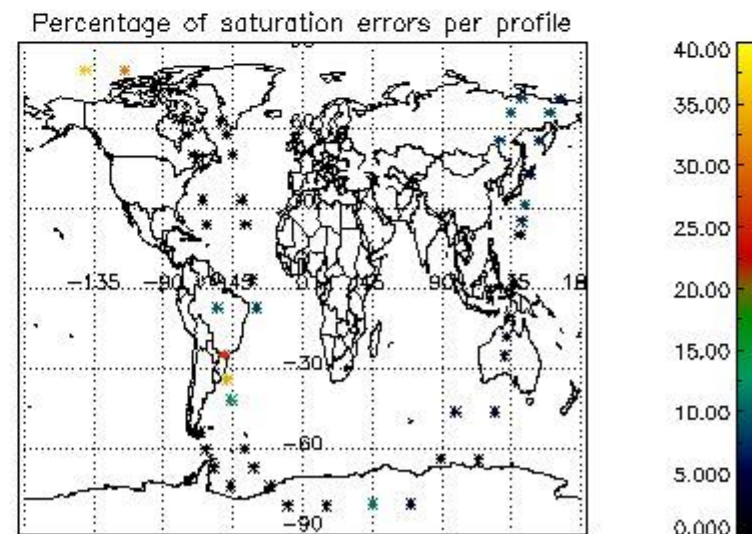
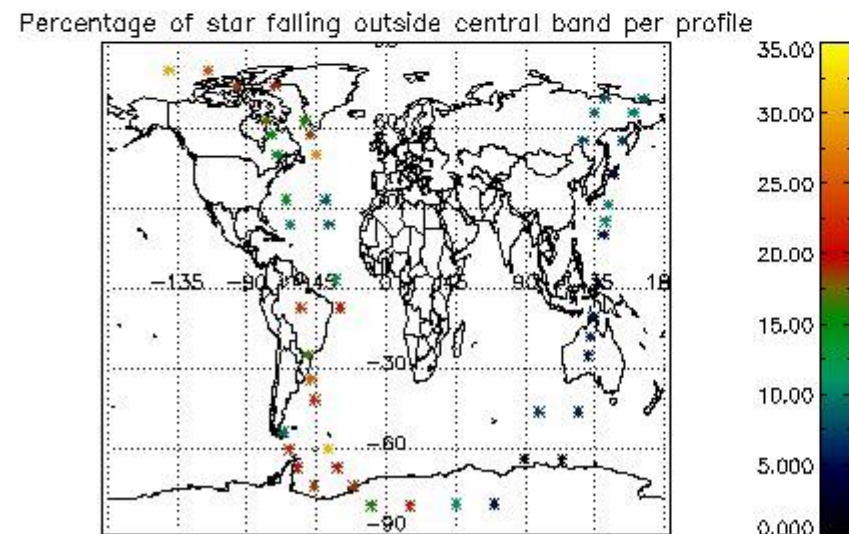
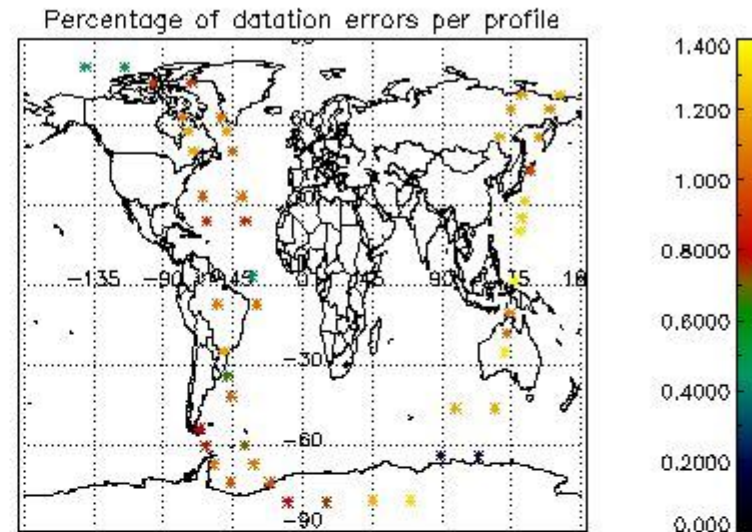
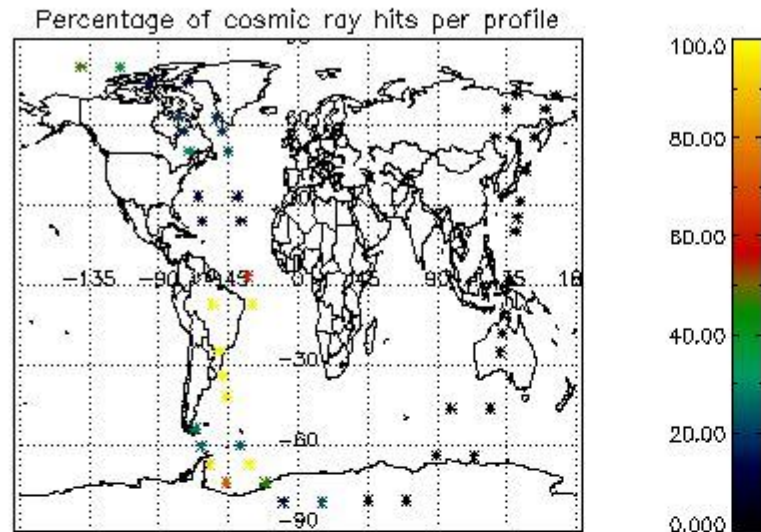
5.1 Percentage of products during reporting period with:

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)



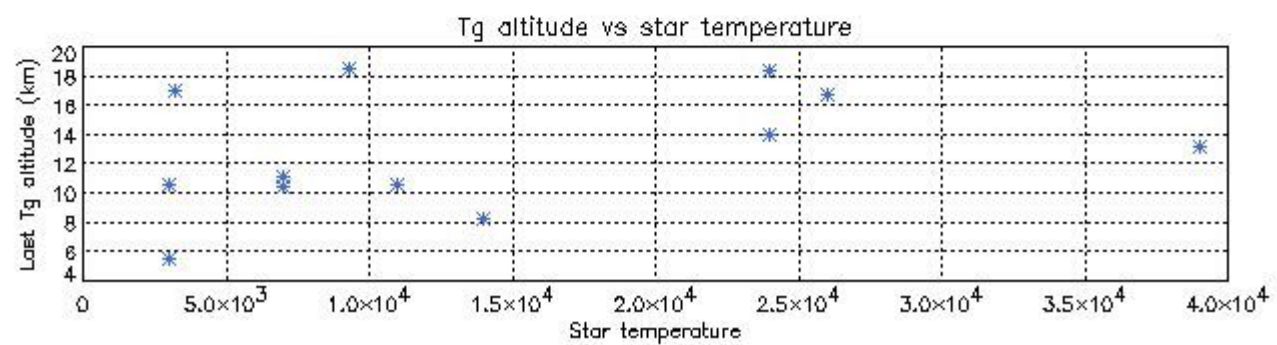
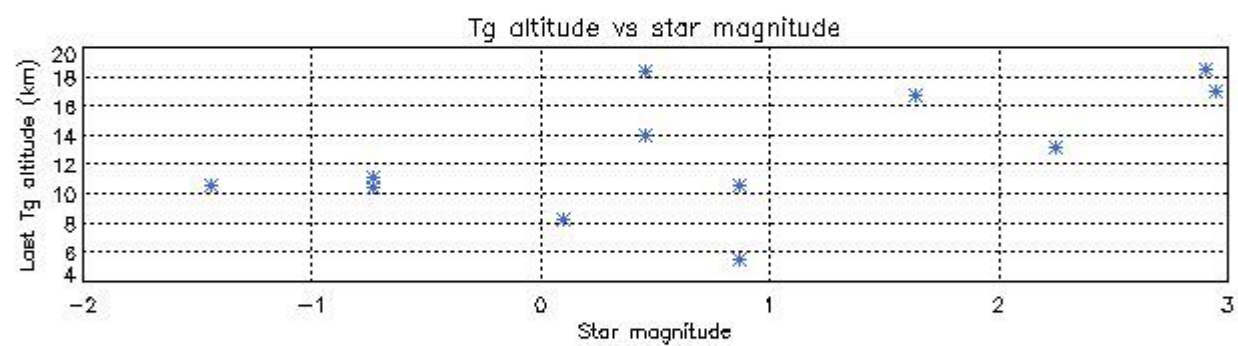
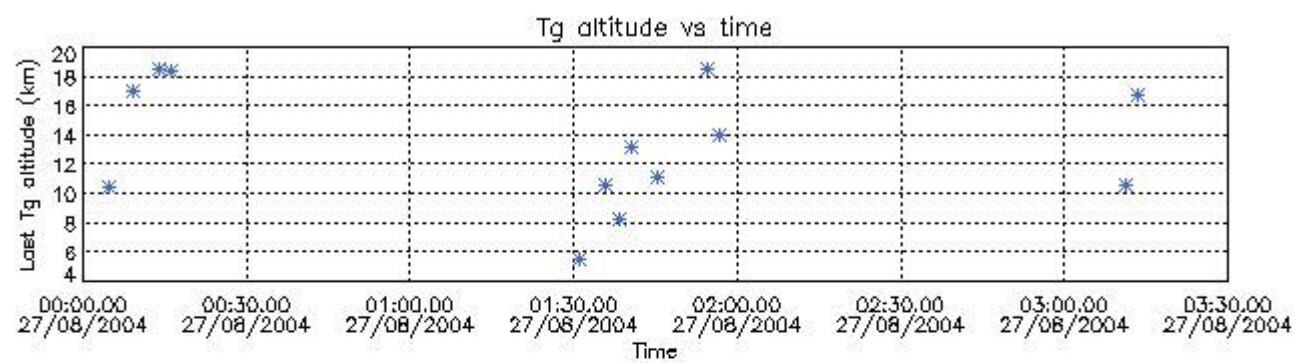
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.285	19.199	15.926
St. deviation:	4.2919	8.0949	10.851
Maximum:	18.563	49.855	50.279
Minimum:	5.4897	6.8828	6.5562
Number of data:	13.000	23.000	13.000

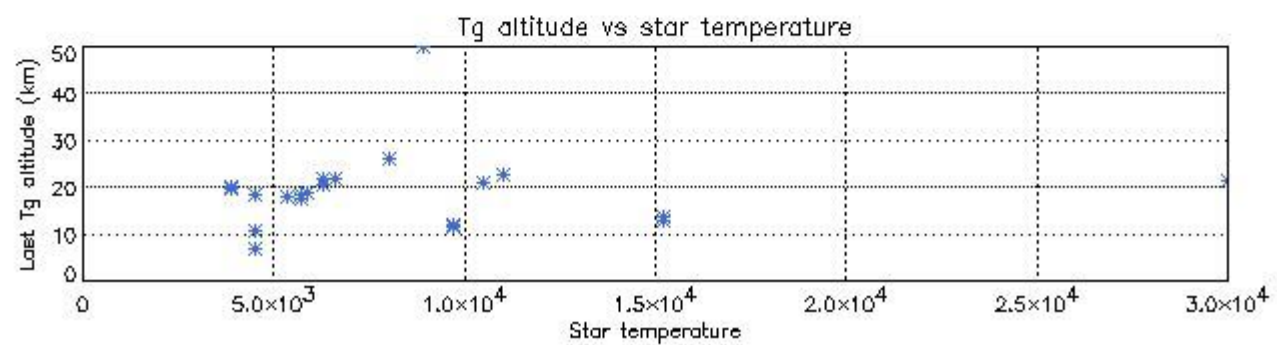
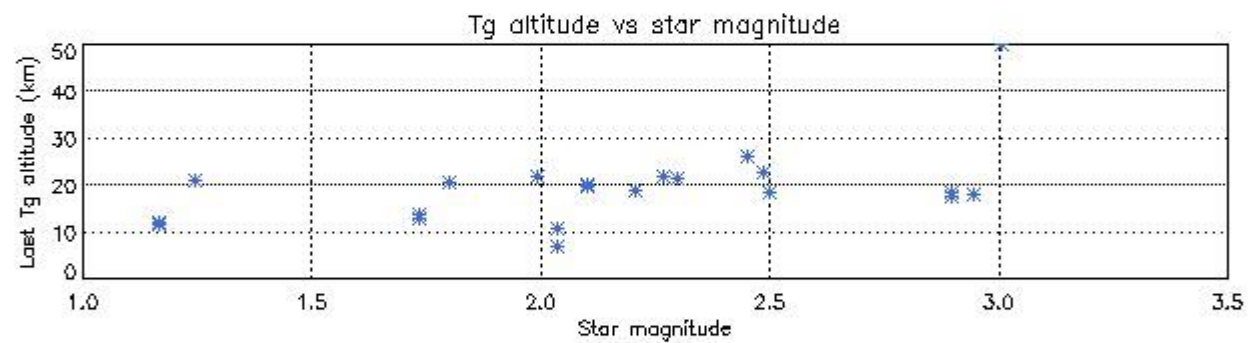
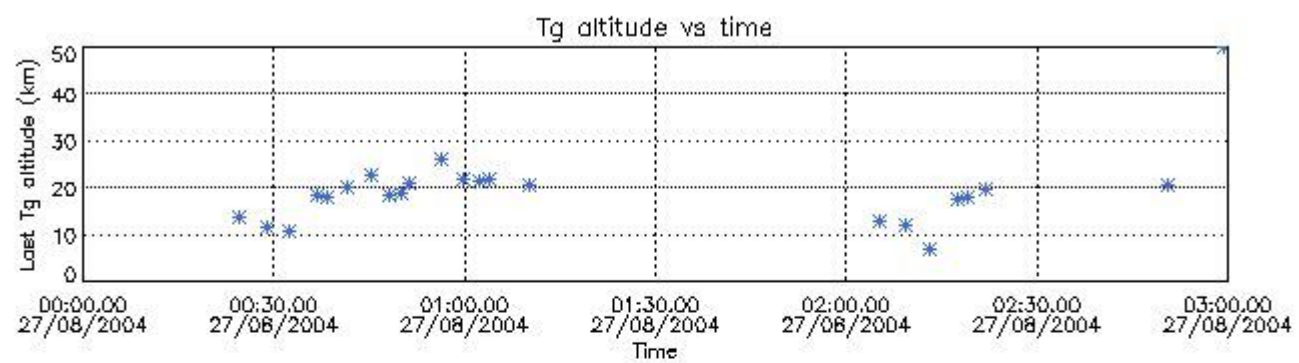
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



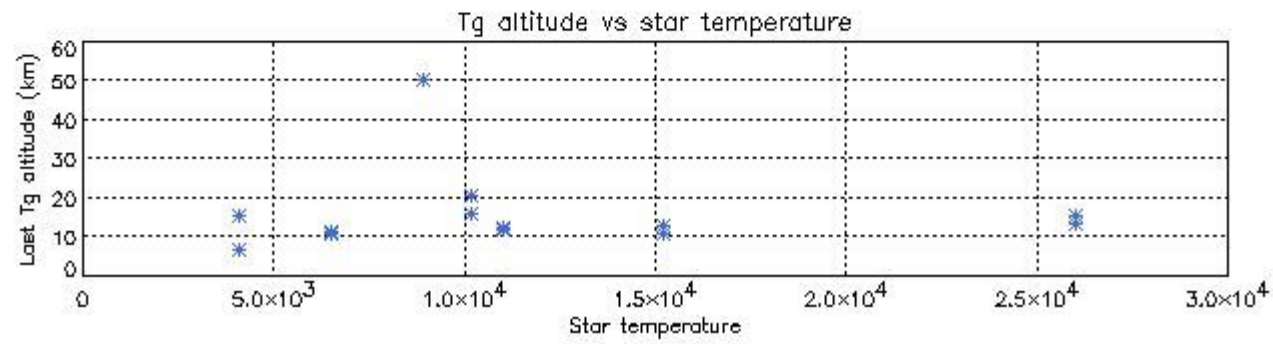
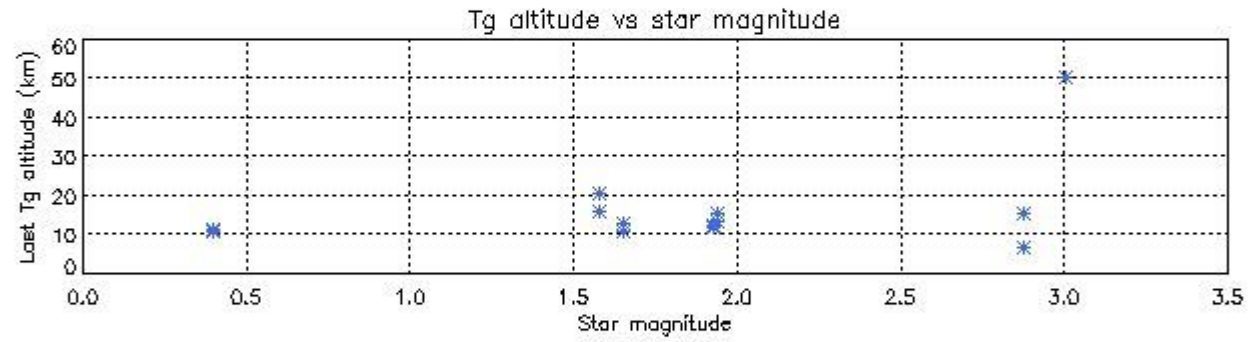
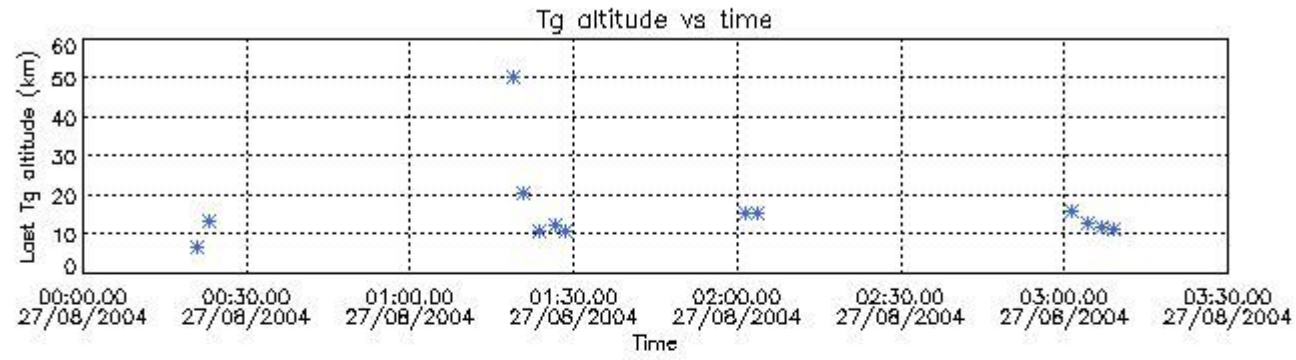
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

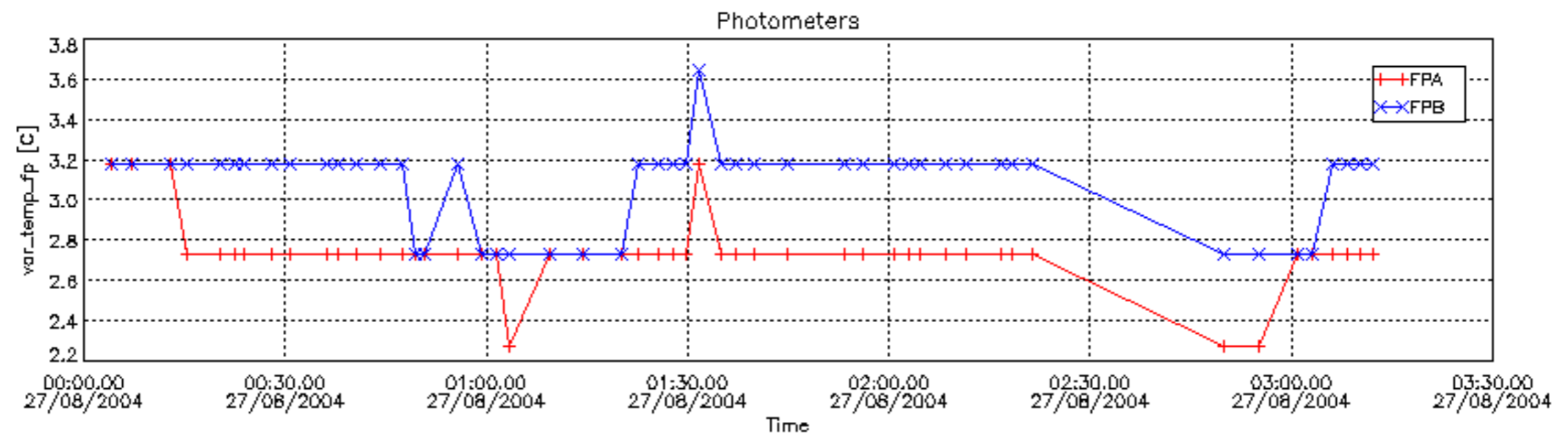
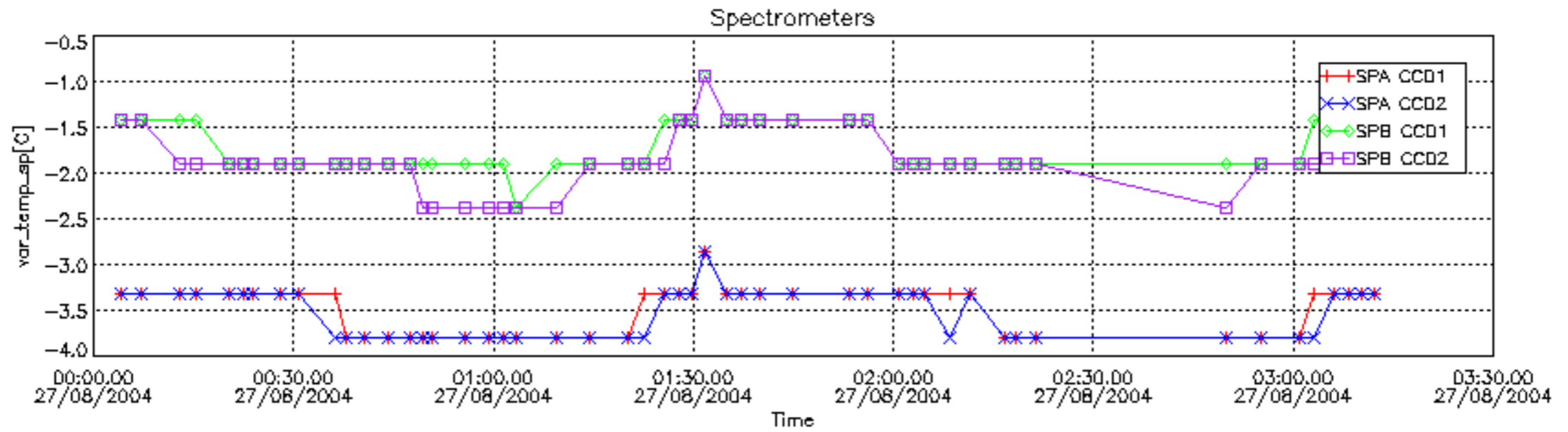
Tangent altitude at which the star is lost

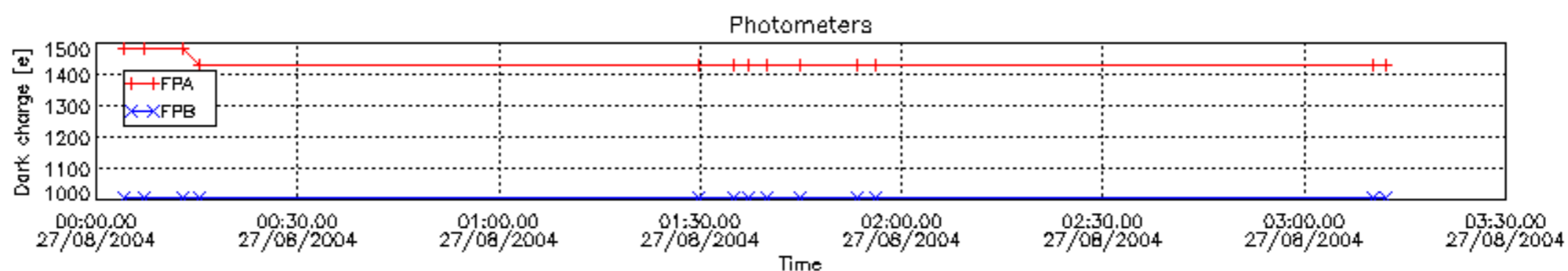
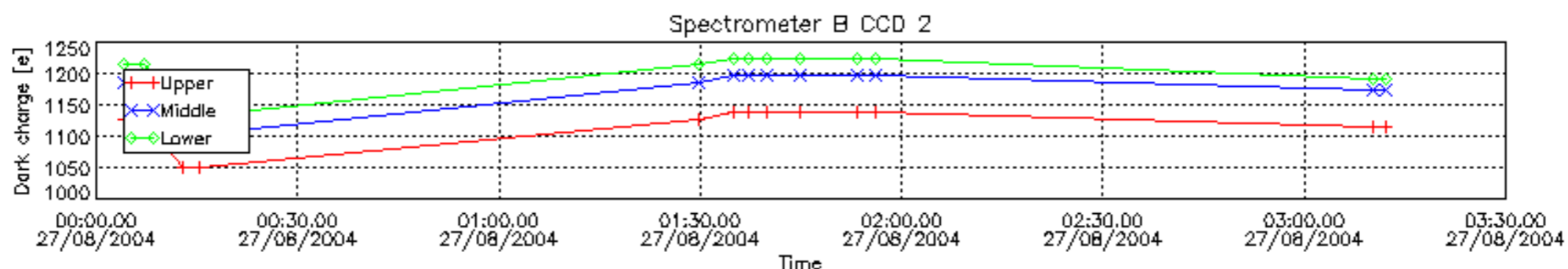
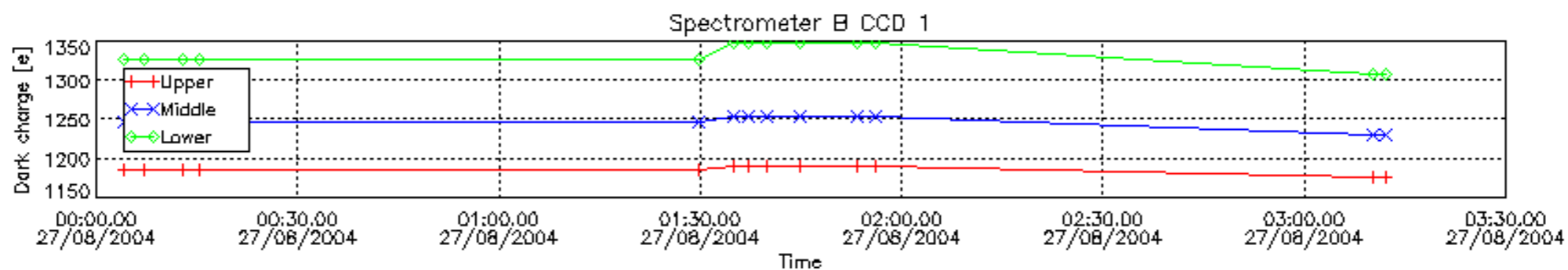
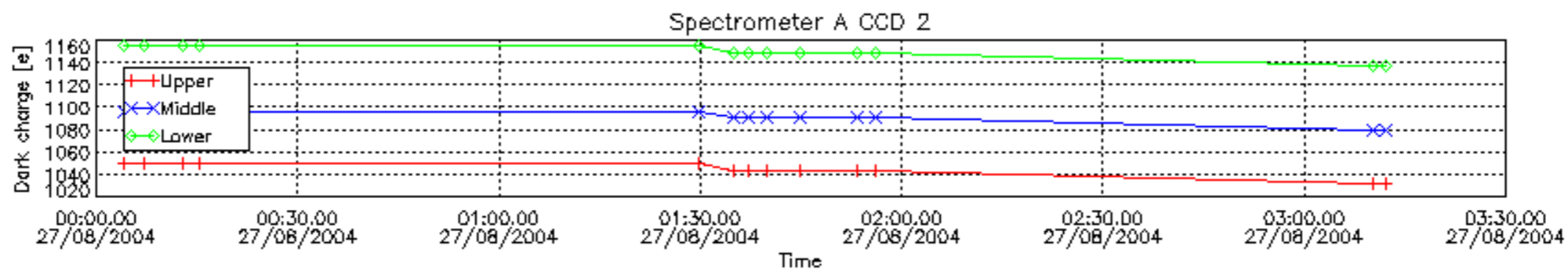
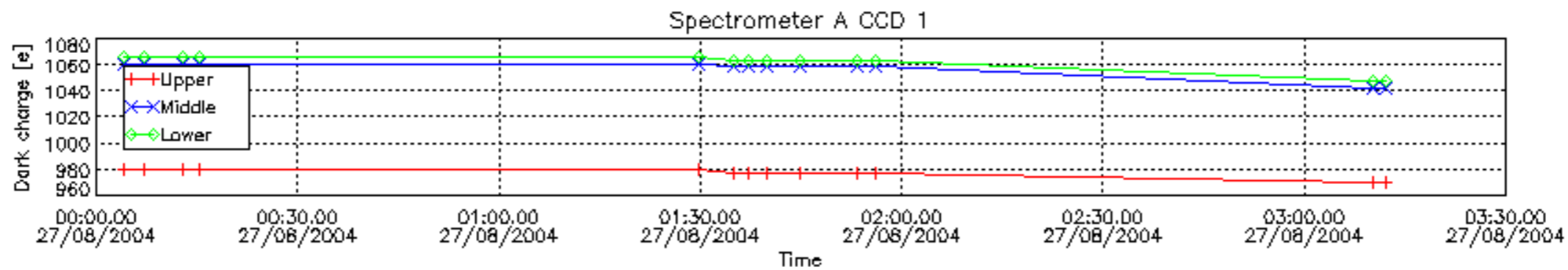


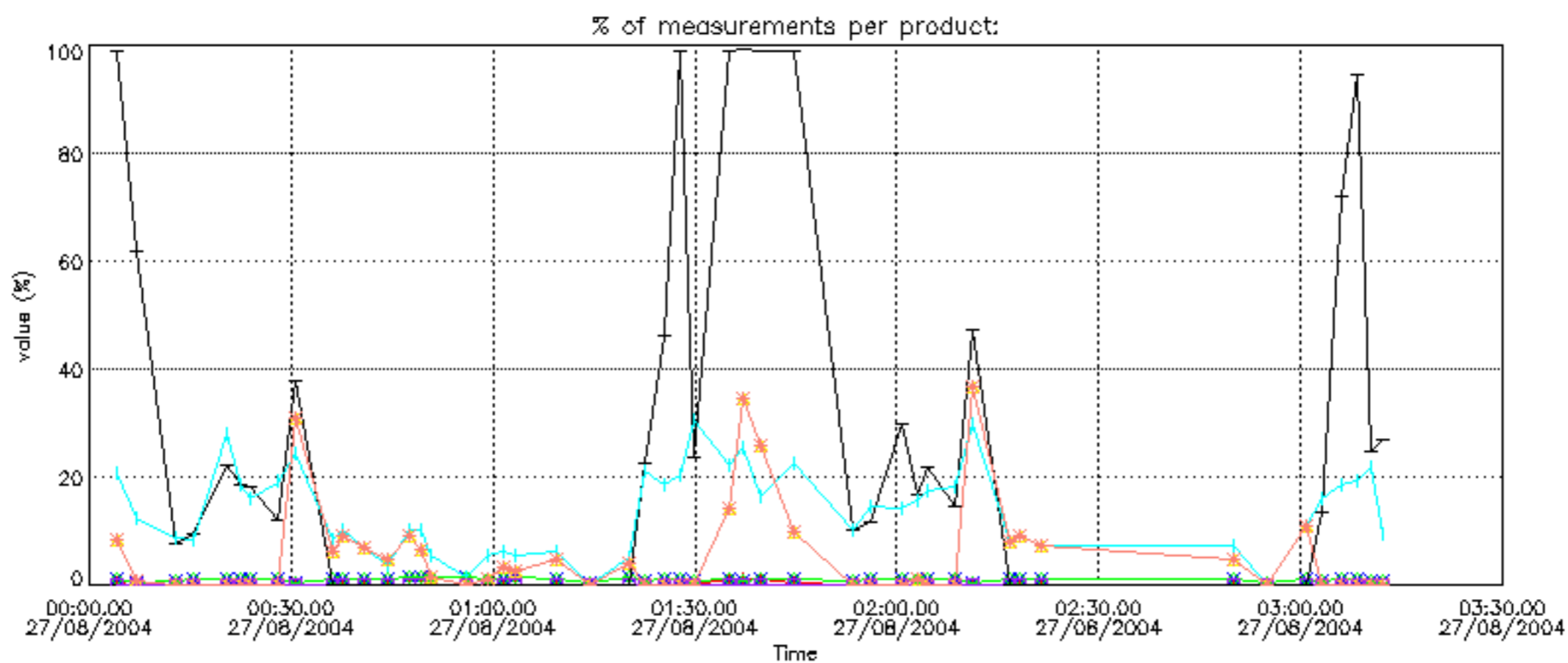
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

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.

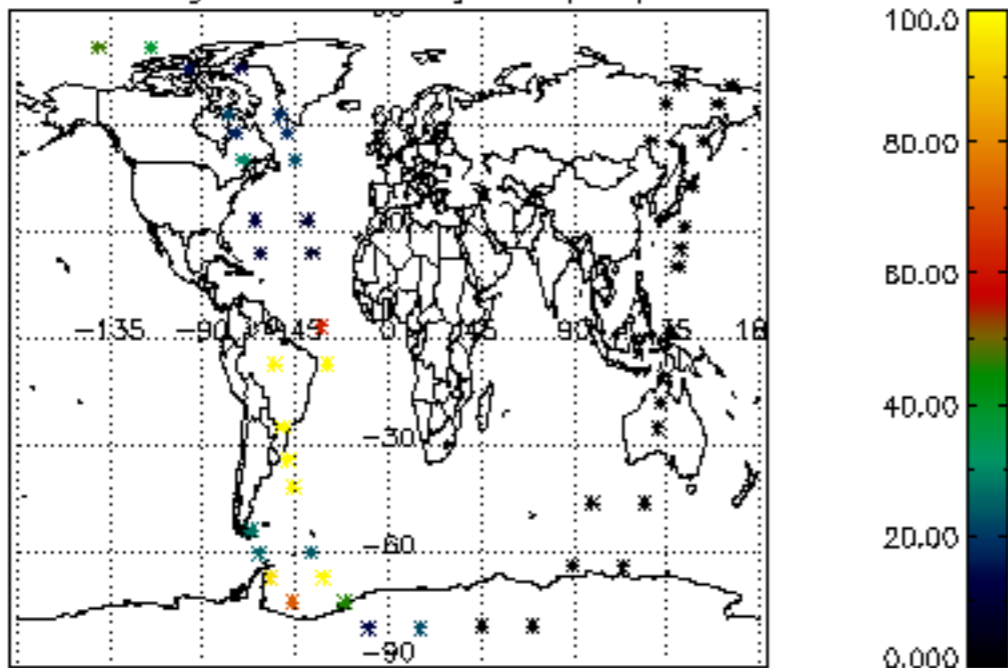
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1462.5	1447.9	1462.2	1447.7
St. deviation:	3.6356	4.7881	5.8093	6.3651
Maximum:	1511.0	1483.0	1513.0	1500.0
Minimum:	1446.0	1428.0	1415.0	1402.0
Number of data:	20200.	20200.	33750.	33750.



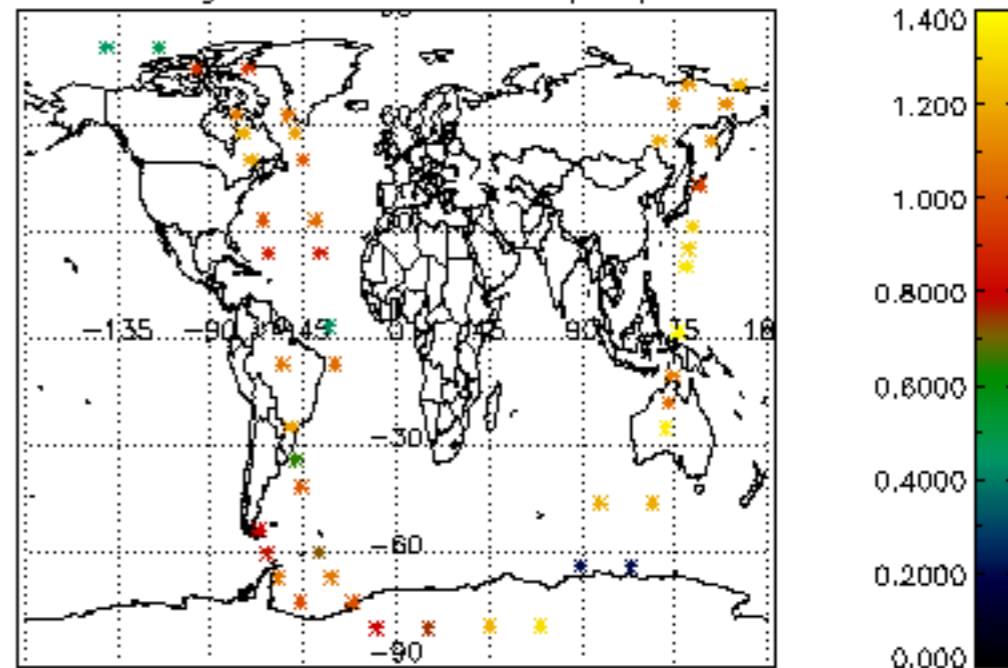




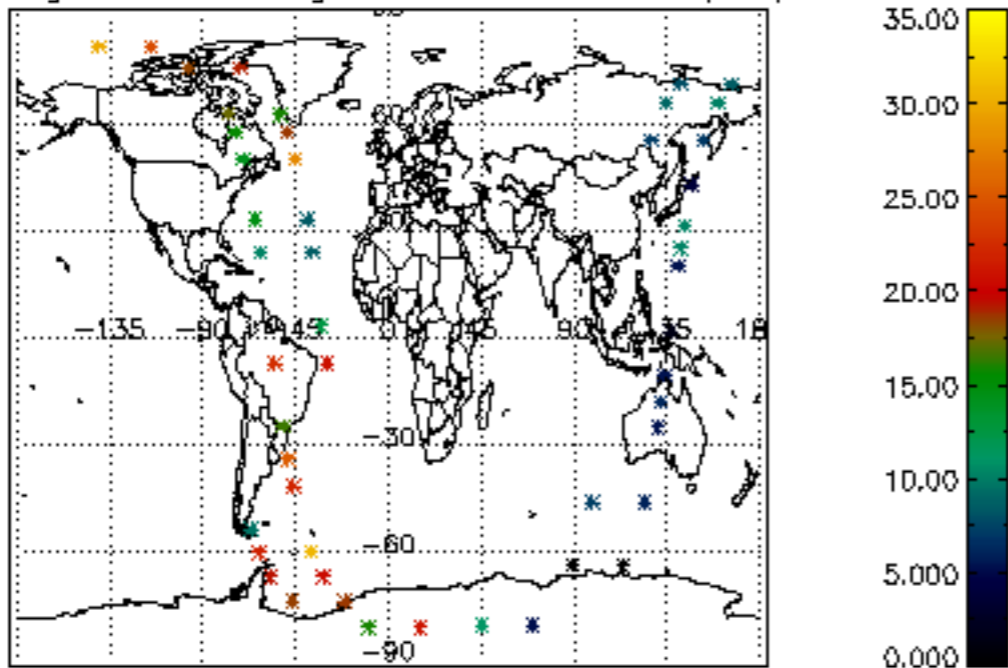
Percentage of cosmic ray hits per profile



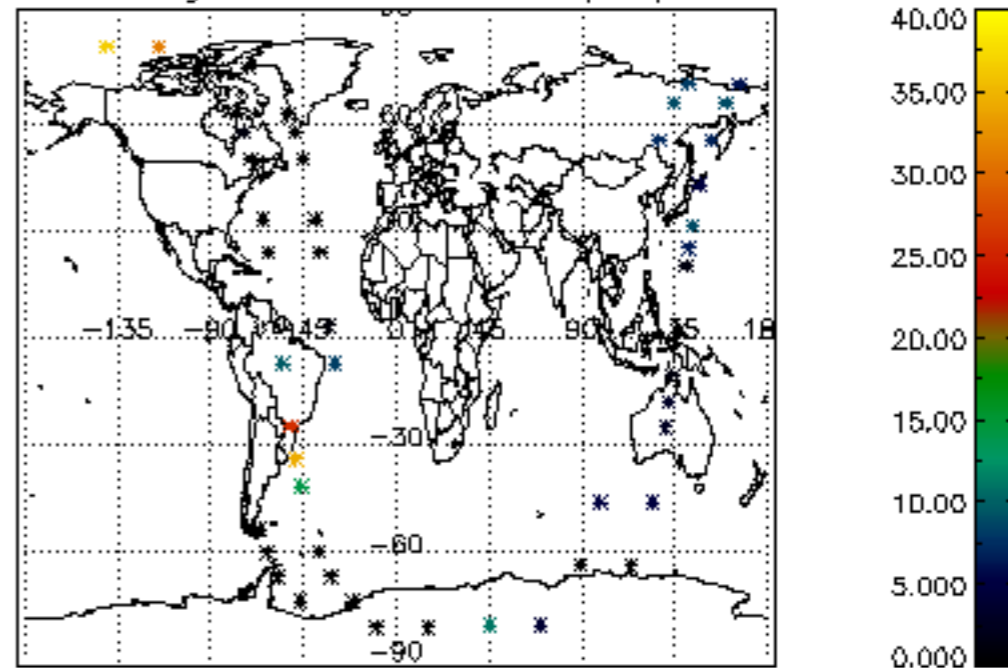
Percentage of datation errors per profile



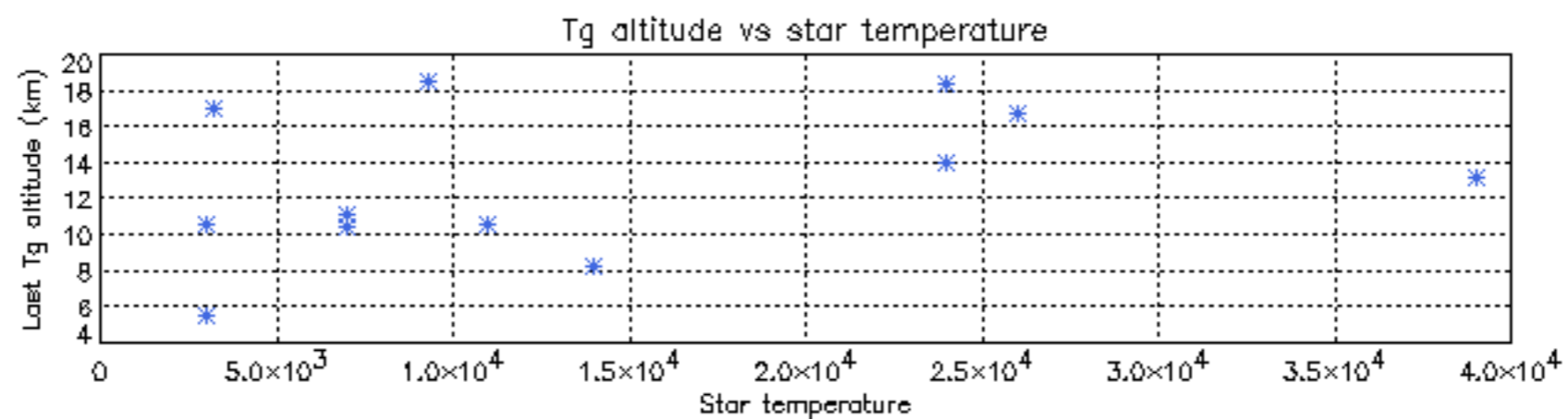
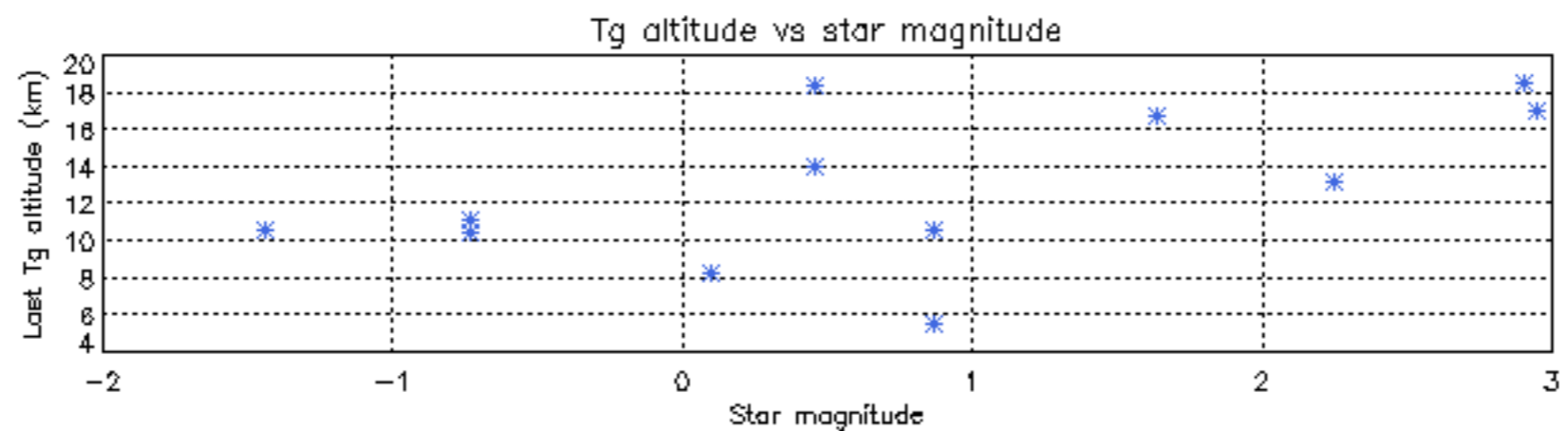
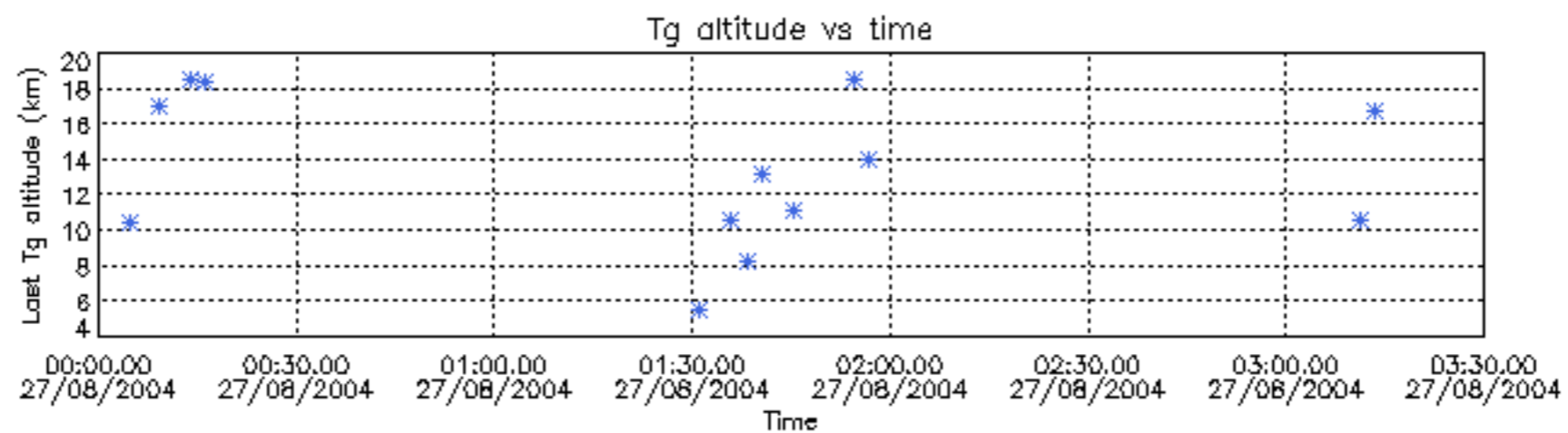
Percentage of star falling outside central band per profile



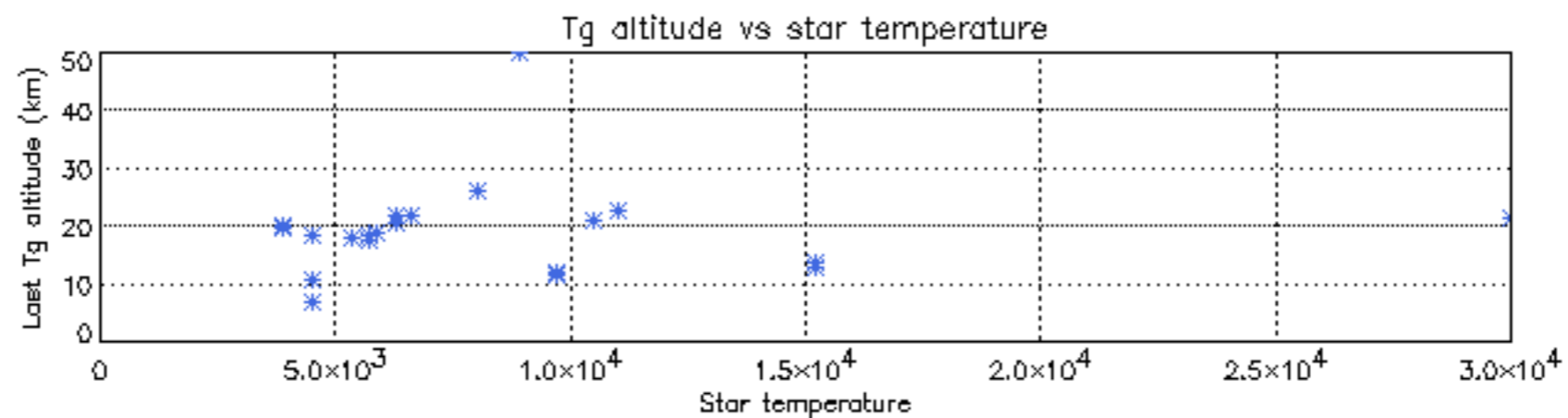
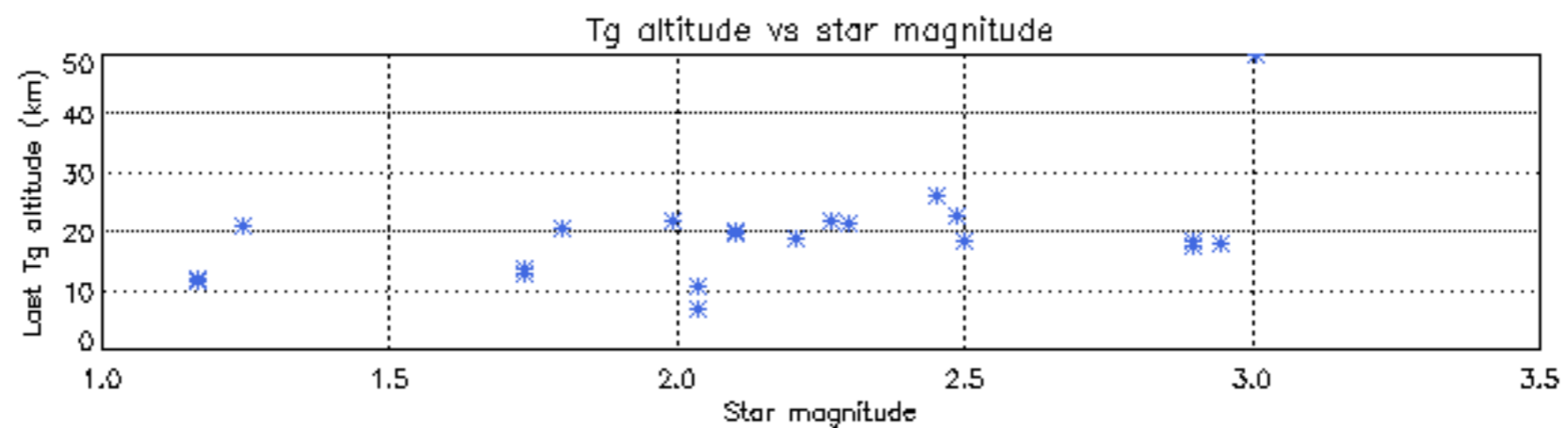
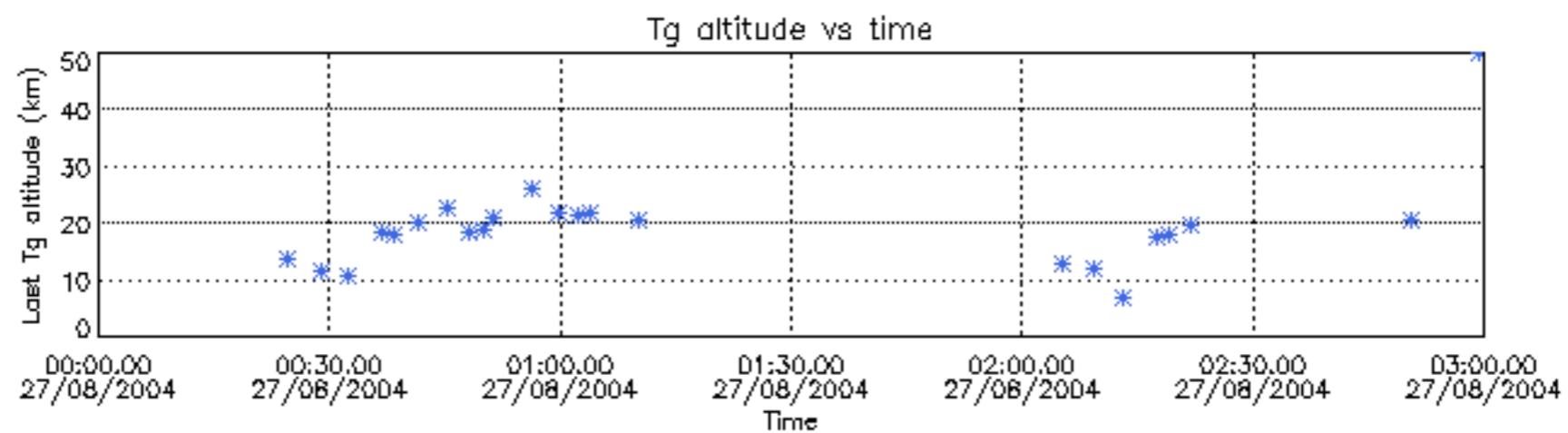
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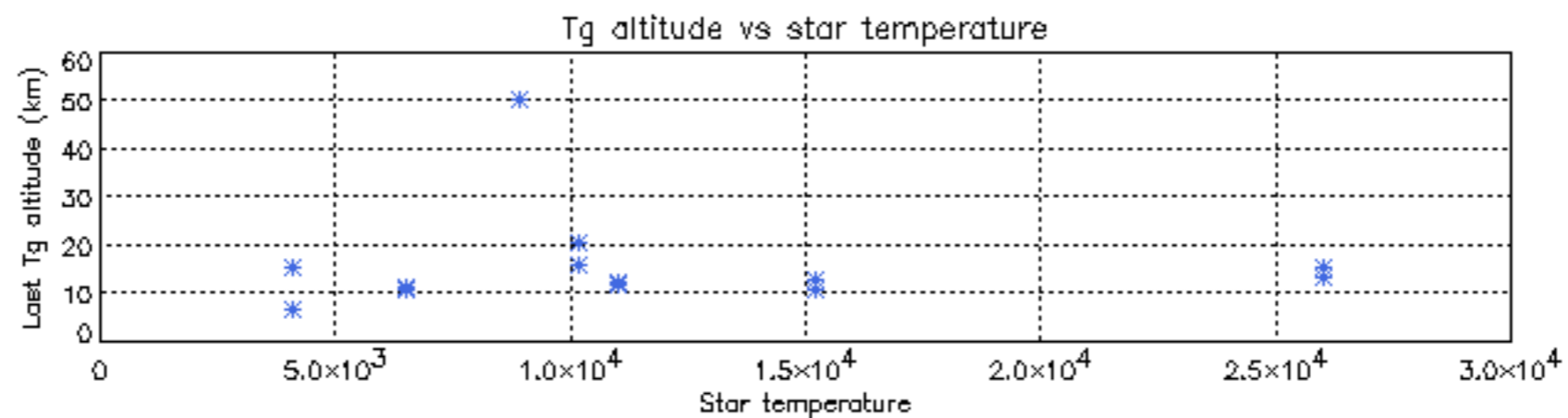
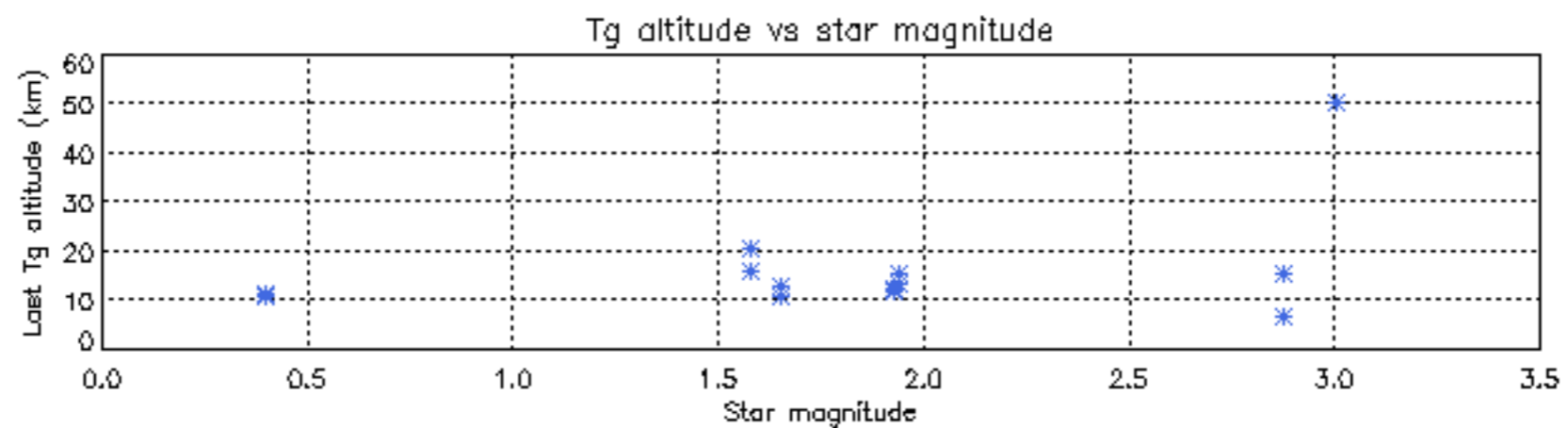
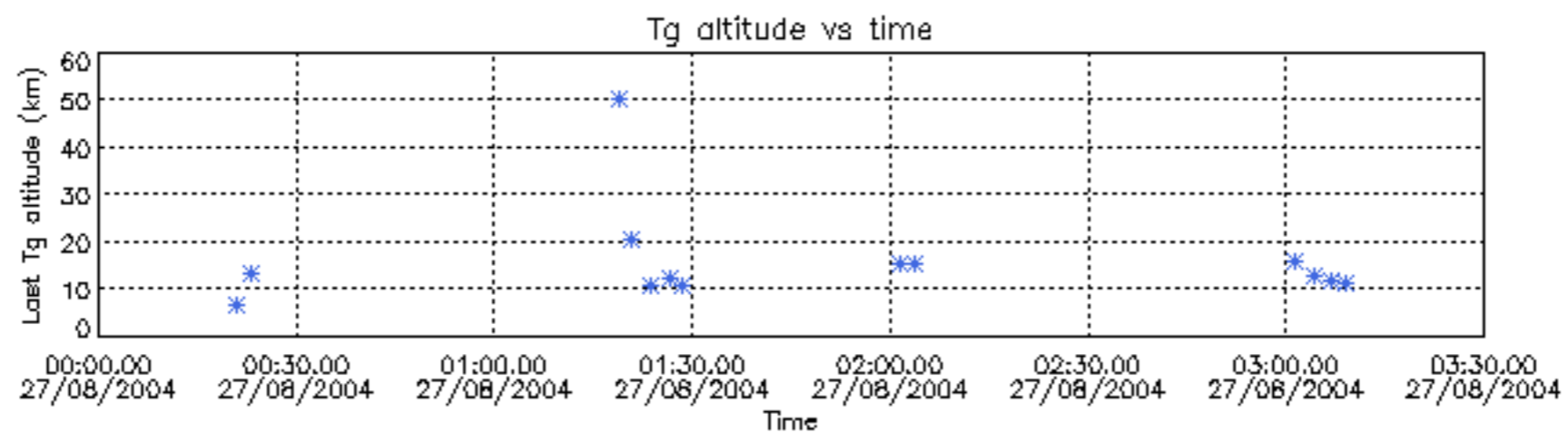
Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



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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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6;-3235.8; 02-AUG-2004 09:01:29; Bright; 39.0; 69; 33Gam Dra ; 2.23; 3800;occ; 78; 0;12672
7;-2992.1; 02-AUG-2004 09:05:33; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;12672
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
17;-1004.4; 02-AUG-2004 09:38:40; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 0;12672
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
4;-3465.1; 02-AUG-2004 10:38:15; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;12673
5;-3347.4; 02-AUG-2004 10:40:13; Bright; 38.5; 144; 18Del Cyg ; 2.86; 11000;occ; 77; 0;12673
6;-3235.8; 02-AUG-2004 10:42:05; Bright; 41.0; 69; 33Gam Dra ; 2.23; 3800;occ; 82; 0;12673
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
18; -924.0; 02-AUG-2004 11:20:36; Dark ; 42.0; 125; 44Iot Ori ; 2.77; 30000;occ; 84; 0;12673
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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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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 11;-2068.3; 02-AUG-2004 12:42:08; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;12674
 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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 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
 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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 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

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
14;	-1897.7;	02-AUG-2004	16:06:11;	Bright;	85.5;	73;	57Gam1And	; 2.26;	13100;occ;	171;	0;	12676
15;	-1740.9;	02-AUG-2004	16:08:47;	Dark	; 255.0;	53;	43Bet And	; 2.05;	3300;occ;	510;	0;	12676
16;	-1391.8;	02-AUG-2004	16:14:36;	Dark	; 43.0;	176;	23Zet Tau	; 3.02;	22000;occ;	86;	0;	12676
17;	-1237.1;	02-AUG-2004	16:17:11;	Dark	; 57.0;	13;	87Alp Tau	; 0.87;	3800;occ;	114;	0;	12676
18;	-1117.9;	02-AUG-2004	16:19:10;	Dark	; 41.5;	27;	24Gam Ori	; 1.64;	26000;occ;	83;	0;	12676
19;	-1003.1;	02-AUG-2004	16:21:05;	Dark	; 40.5;	30;	46Eps Ori	; 1.69;	30000;occ;	81;	0;	12676
20;	-923.3;	02-AUG-2004	16:22:25;	Dark	; 41.0;	125;	44Iot Ori	; 2.77;	30000;occ;	82;	0;	12676
21;	-811.1;	02-AUG-2004	16:24:17;	Dark	; 44.0;	1;	9Alp CMA	; -1.44;	11000;occ;	88;	0;	12676
22;	-723.0;	02-AUG-2004	16:25:45;	Dark	; 44.0;	101;	11Alp Lep	; 2.58;	7000;occ;	88;	0;	12676
23;	-576.1;	02-AUG-2004	16:28:12;	Dark	; 40.0;	177;	1Zet CMA	; 3.02;	26000;occ;	80;	0;	12676
24;	-477.1;	02-AUG-2004	16:29:51;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	12676
25;	-206.6;	02-AUG-2004	16:34:22;	Dark	; 49.5;	2;	Alp Car	; -0.74;	7000;occ;	99;	0;	12676
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
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18;-1050.6; 23-AUG-2004 11:58:42; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;12974
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