

GOMOS Daily Report 01-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	03AUG2004 05:01:30
Data source version	GOMOS/4.02
Start time of products	QDS_YESTERDAY(/START)-1D (01AUG2004 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (02AUG2004 00:00:00)

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

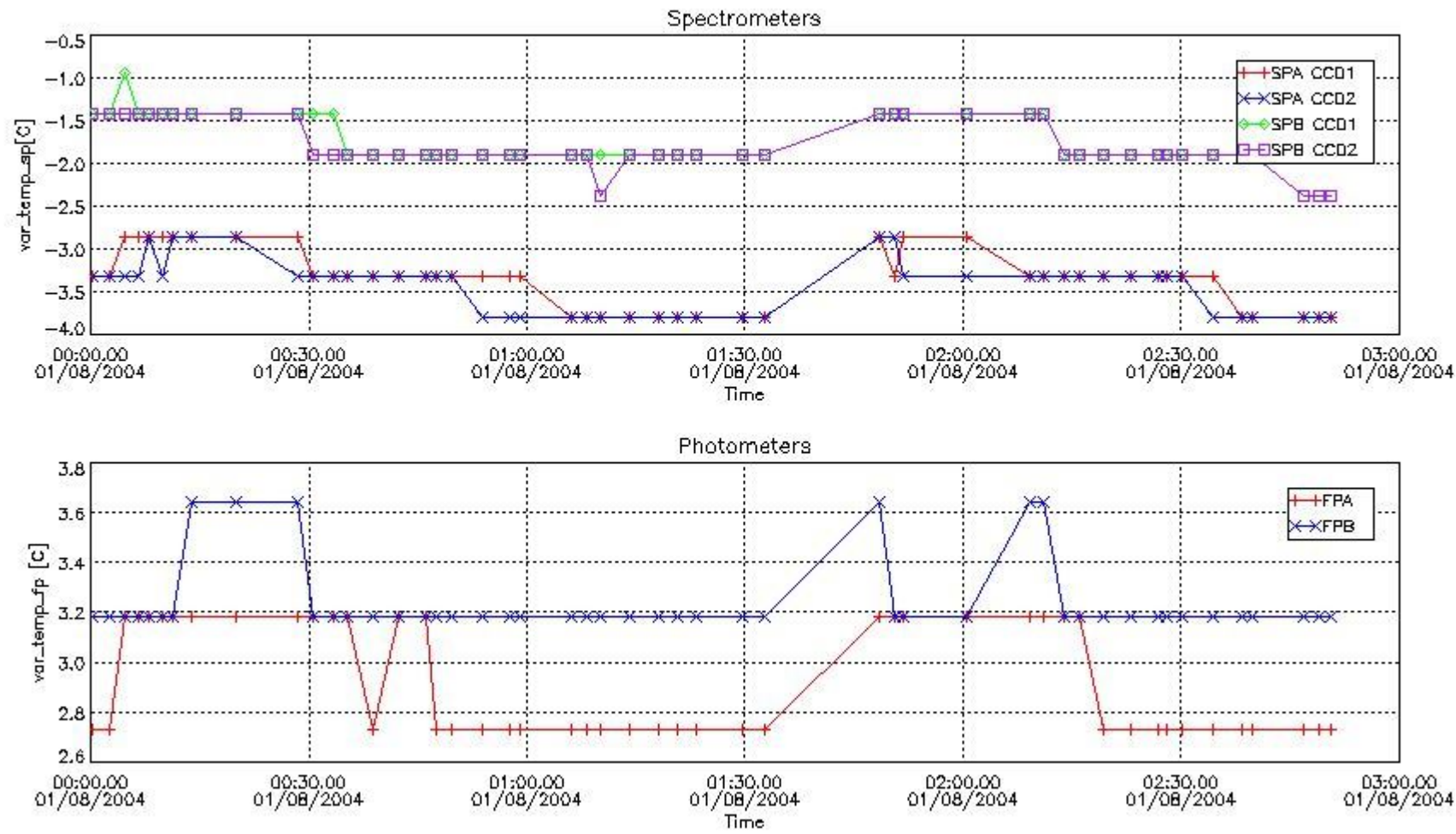
2. Summary of products arrived in PCF (Product Control Facility)

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

2.2 Summary of processed GOM_TRA_1P products

Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
GOM_TRA_1PNPDE20040801_000008_000000422029_00073_12652_0025.N1	01-AUG-2004 00:00:08	Twilight	42.000	176	23Zet Tau	3.0200	22000.	84	12652	No
GOM_TRA_1PNPDE20040801_000240_000000582029_00073_12652_0026.N1	01-AUG-2004 00:02:40	Twilight	57.500	13	87Alp Tau	0.86700	3800.0	115	12652	No
GOM_TRA_1PNPDE20040801_000440_000000462029_00073_12652_0027.N1	01-AUG-2004 00:04:40	Twilight	45.500	27	24Gam Ori	1.6360	26000.	91	12652	No
GOM_TRA_1PNPDE20040801_000633_000000442029_00073_12652_0028.N1	01-AUG-2004 00:06:33	Dark	44.000	30	46Eps Ori	1.6940	30000.	88	12652	No
GOM_TRA_1PNPDE20040801_000754_000000432029_00073_12652_0029.N1	01-AUG-2004 00:07:54	Dark	42.500	125	44Iot Ori	2.7700	30000.	85	12652	No
GOM_TRA_1PNPDE20040801_000952_000000412029_00073_12652_0030.N1	01-AUG-2004 00:09:52	Dark	41.000	1	9Alp CMa	-1.4400	11000.	82	12652	No
GOM_TRA_1PNPDE20040801_001113_000000452029_00073_12652_0031.N1	01-AUG-2004 00:11:13	Dark	44.500	101	11Alp Lep	2.5820	7000.0	89	12652	No
GOM_TRA_1PNPDE20040801_001346_000000392029_00073_12652_0001.N1	01-AUG-2004 00:13:46	Dark	39.000	177	1Zet CMa	3.0220	26000.	78	12652	No
GOM_TRA_1PNPDE20040801_001957_000000462029_00073_12652_0002.N1	01-AUG-2004 00:19:57	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	12652	No
GOM_TRA_1PNPDE20040801_002834_000000542029_00074_12653_0003.N1	01-AUG-2004 00:28:34	Dark	53.500	9	Alp Eri	0.45300	24000.	107	12653	No
GOM_TRA_1PNPDE20040801_003030_000000412029_00074_12653_0004.N1	01-AUG-2004 00:30:30	Dark	40.500	135	Bet Hyi	2.8200	5800.0	81	12653	No
GOM_TRA_1PNPDE20040801_003319_000000612029_00074_12653_0005.N1	01-AUG-2004 00:33:19	Dark	60.500	84	Alp Phe	2.3970	4500.0	121	12653	No
GOM_TRA_1PNPDE20040801_003522_000000462029_00074_12653_0006.N1	01-AUG-2004 00:35:22	Twilight	45.500	148	Alp Tuc	2.8780	4100.0	91	12653	No
GOM_TRA_1PNPDE20040801_003845_000000502029_00074_12653_0007.N1	01-AUG-2004 00:38:45	Bright	50.000	31	Alp Gru	1.7340	15200.	100	12653	No
GOM_TRA_1PNPDE20040801_004220_000000692029_00074_12653_0008.N1	01-AUG-2004 00:42:20	Bright	68.500	18	24Alp PsA	1.1660	9700.0	137	12653	No
GOM_TRA_1PNPDE20040801_004606_000000452029_00074_12653_0009.N1	01-AUG-2004 00:46:06	Bright	44.500	38	20Eps Sgr	1.8360	11000.	89	12653	No
GOM_TRA_1PNPDE20040801_004724_000000402029_00074_12653_0010.N1	01-AUG-2004 00:47:24	Bright	40.000	116	19Del Sgr	2.7000	4100.0	80	12653	No
GOM_TRA_1PNPDE20040801_004935_000000542029_00074_12653_0011.N1	01-AUG-2004 00:49:35	Bright	54.000	142	49Del Cap	2.8500	8900.0	108	12653	No
GOM_TRA_1PNPDE20040801_005347_000000552029_00074_12653_0012.N1	01-AUG-2004 00:53:47	Bright	55.000	154	22Bet Aqr	2.8990	5700.0	110	12653	No
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GOM_TRA_1PNPDE20040801_005910_000000372029_00074_12653_0014.N1	01-AUG-2004 00:59:10	Bright	36.500	168	17Zet Aql	2.9860	11000.	73	12653	No
GOM_TRA_1PNPDE20040801_010614_000000422029_00074_12653_0015.N1	01-AUG-2004 01:06:14	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	12653	No
GOM_TRA_1PNPDE20040801_010818_000000382029_00074_12653_0016.N1	01-AUG-2004 01:08:18	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	12653	No
GOM_TRA_1PNPDE20040801_011001_000000402029_00074_12653_0017.N1	01-AUG-2004 01:10:01	Bright	40.000	69	33Gam Dra	2.2310	3800.0	80	12653	No
GOM_TRA_1PNPDE20040801_011402_000000362029_00074_12653_0018.N1	01-AUG-2004 01:14:02	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	12653	No
GOM_TRA_1PNPDE20040801_011809_000000382029_00074_12653_0019.N1	01-AUG-2004 01:18:09	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	12653	No
GOM_TRA_1PNPDE20040801_012044_000000382029_00074_12653_0020.N1	01-AUG-2004 01:20:44	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	12653	No
GOM_TRA_1PNPDE20040801_012319_000000512029_00074_12653_0021.N1	01-AUG-2004 01:23:19	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	12653	No
GOM_TRA_1PNPDE20040801_012942_000000692029_00074_12653_0022.N1	01-AUG-2004 01:29:42	Bright	68.500	160	23Gam Per	2.9300	4700.0	137	12653	No
GOM_TRA_1PNPDE20040801_013238_000000812029_00074_12653_0023.N1	01-AUG-2004 01:32:38	Bright	80.500	73	57Gam1And	2.2600	13100.	161	12653	No
GOM_TRA_1PNPDE20040801_014828_000000442029_00074_12653_0000.N1	01-AUG-2004 01:48:28	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	12653	Yes
GOM_TRA_1PNPDE20040801_015028_000000392029_00074_12653_0001.N1	01-AUG-2004 01:50:28	Dark	38.500	1	9Alp CMa	-1.4400	11000.	77	12653	No
GOM_TRA_1PNPDE20040801_015150_000000462029_00074_12653_0002.N1	01-AUG-2004 01:51:50	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	12653	No
GOM_TRA_1PNPDE20040801_020033_000000512029_00074_12653_0003.N1	01-AUG-2004 02:00:33	Dark	51.000	2	Alp Car	-0.73600	7000.0	102	12653	No
GOM_TRA_1PNPDE20040801_020910_000000562029_00075_12654_0004.N1	01-AUG-2004 02:09:10	Dark	55.500	9	Alp Eri	0.45300	24000.	111	12654	No
GOM_TRA_1PNPDE20040801_021106_000000392029_00075_12654_0005.N1	01-AUG-2004 02:11:06	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	12654	No
GOM_TRA_1PNPDE20040801_021357_000000592029_00075_12654_0006.N1	01-AUG-2004 02:13:57	Dark	59.000	84	Alp Phe	2.3970	4500.0	118	12654	No
GOM_TRA_1PNPDE20040801_021558_000000482029_00075_12654_0007.N1	01-AUG-2004 02:15:58	Twilight	47.500	148	Alp Tuc	2.8780	4100.0	95	12654	No
GOM_TRA_1PNPDE20040801_021921_000000542029_00075_12654_0008.N1	01-AUG-2004 02:19:21	Bright	54.000	31	Alp Gru	1.7340	15200.	108	12654	No
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GOM_TRA_1PNPDE20040801_022642_000000522029_00075_12654_0010.N1	01-AUG-2004 02:26:42	Bright	52.000	38	20Eps Sgr	1.8360	11000.	104	12654	No
GOM_TRA_1PNPDE20040801_022800_000000422029_00075_12654_0011.N1	01-AUG-2004 02:28:00	Bright	42.000	116	19Del Sgr	2.7000	4100.0	84	12654	No
GOM_TRA_1PNPDE20040801_023011_000000542029_00075_12654_0012.N1	01-AUG-2004 02:30:11	Bright	53.500	142	49Del Cap	2.8500	8900.0	107	12654	No
GOM_TRA_1PNPDE20040801_023422_000000562029_00075_12654_0013.N1	01-AUG-2004 02:34:22	Bright	55.500	154	22Bet Aqr	2.8990	5700.0	111	12654	No
GOM_TRA_1PNPDE20040801_023818_000000402029_00075_12654_0014.N1	01-AUG-2004 02:38:18	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	12654	No
GOM_TRA_1PNPDE20040801_023945_000000382029_00075_12654_0015.N1	01-AUG-2004 02:39:45	Bright	37.500	168	17Zet Aql	2.9860	11000.	75	12654	No
GOM_TRA_1PNPDE20040801_024650_000000382029_00075_12654_0016.N1	01-AUG-2004 02:46:50	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	12654	No
GOM_TRA_1PNPDE20040801_024853_000000402029_00075_12654_0017.N1	01-AUG-2004 02:48:53	Bright	40.000	144	18Del Cyg	2.8600	11000.	80	12654	No
GOM_TRA_1PNPDE20040801_025037_000000402029_00075_12654_0018.N1	01-AUG-2004 02:50:37	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	12654	No

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



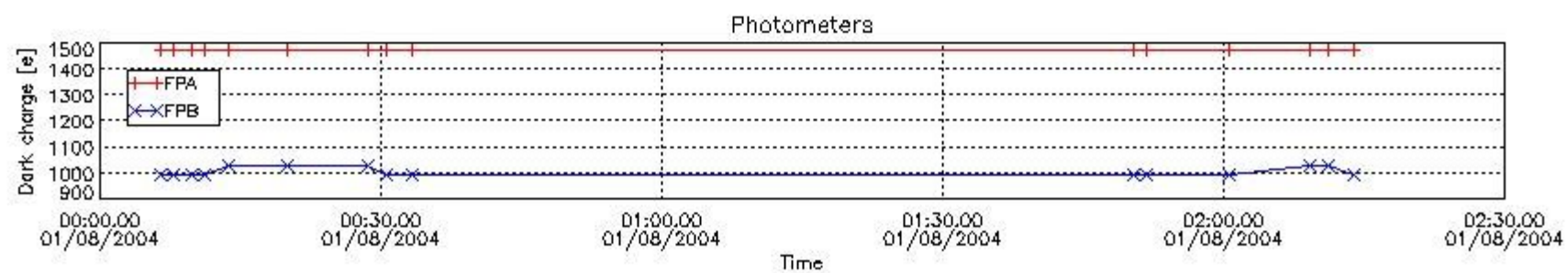
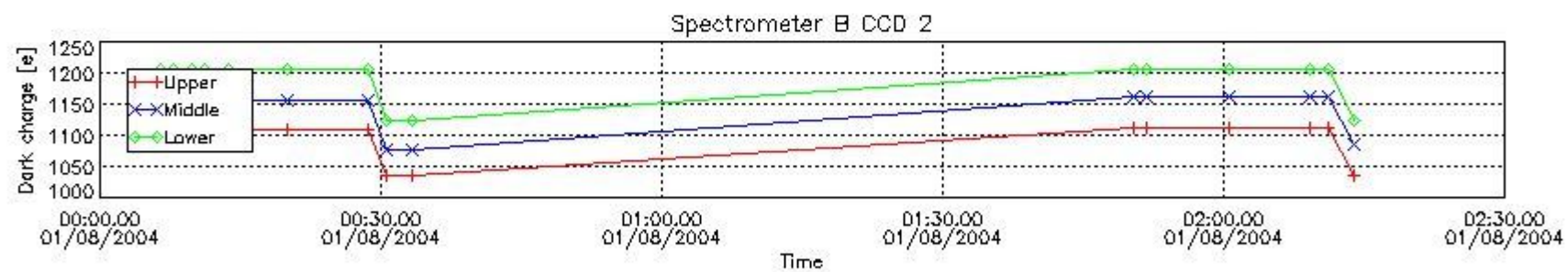
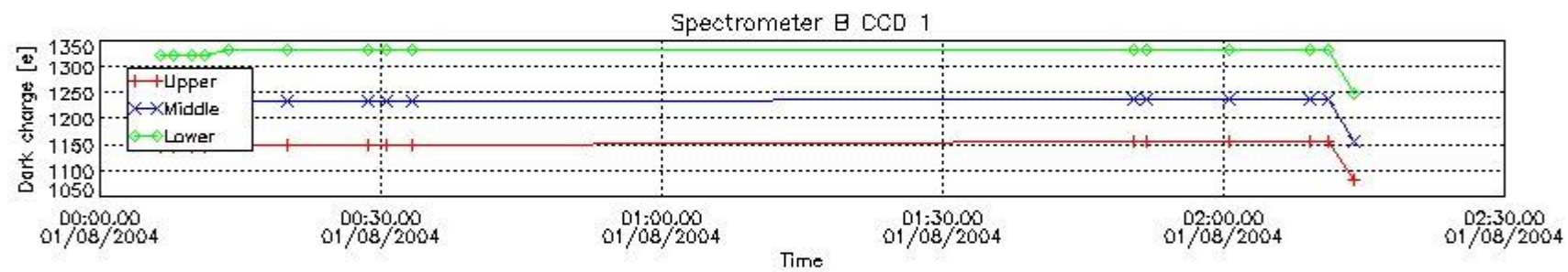
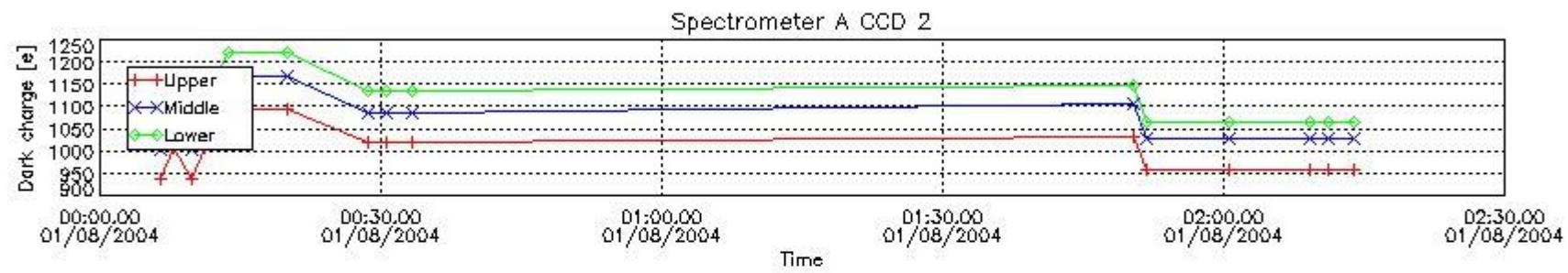
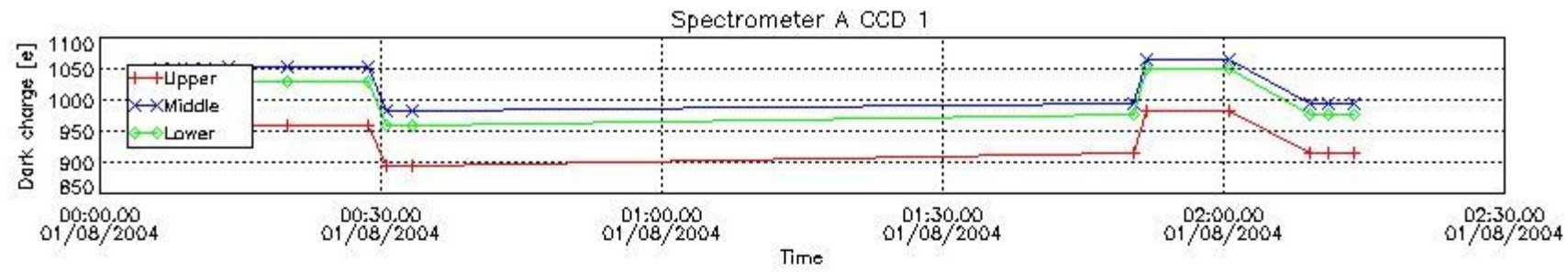
4. Overview of dark signal processing per product

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



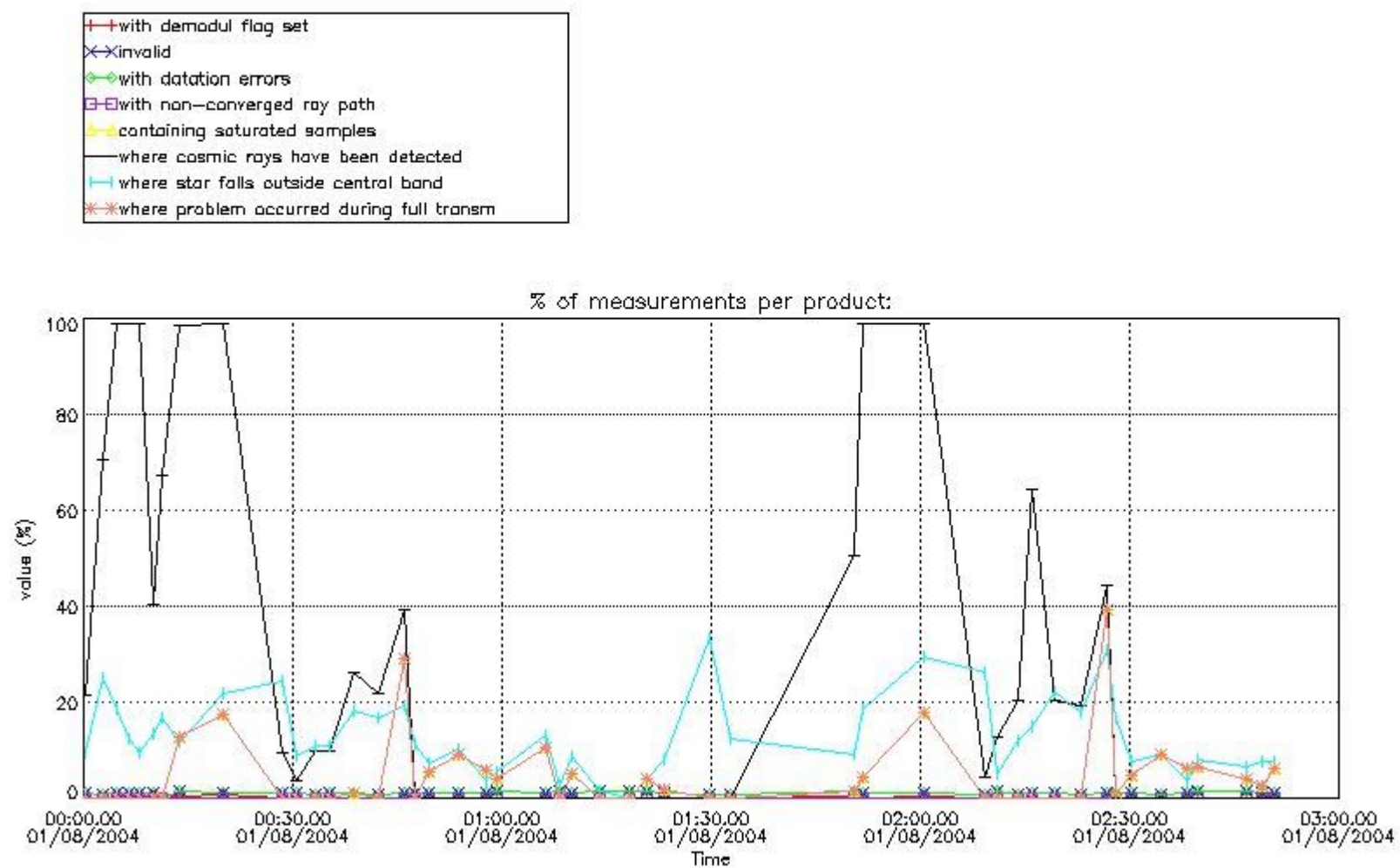
5. Demodulation flag and quality information monitoring

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.

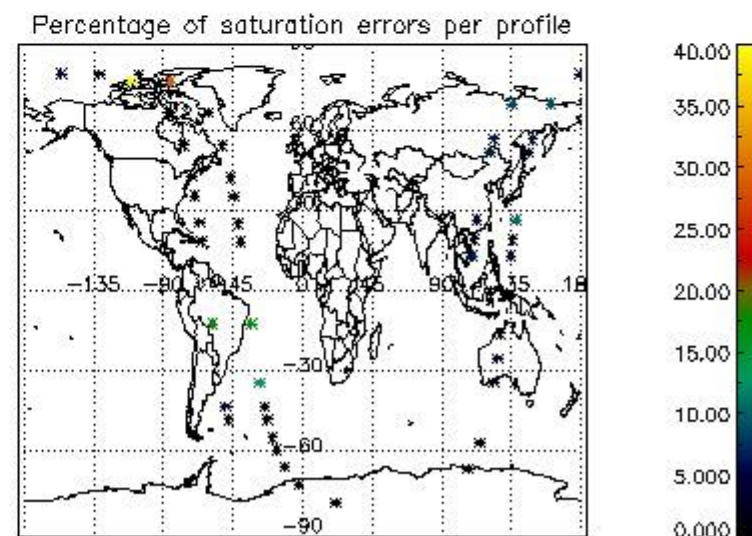
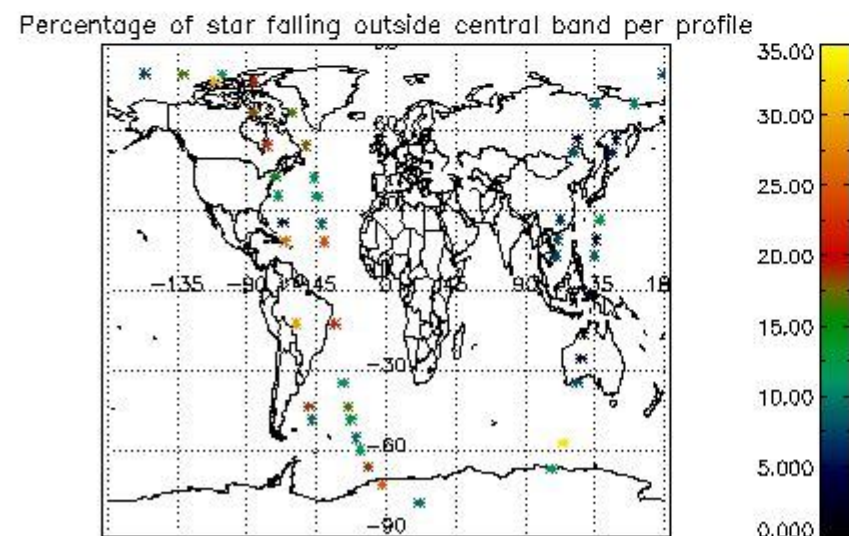
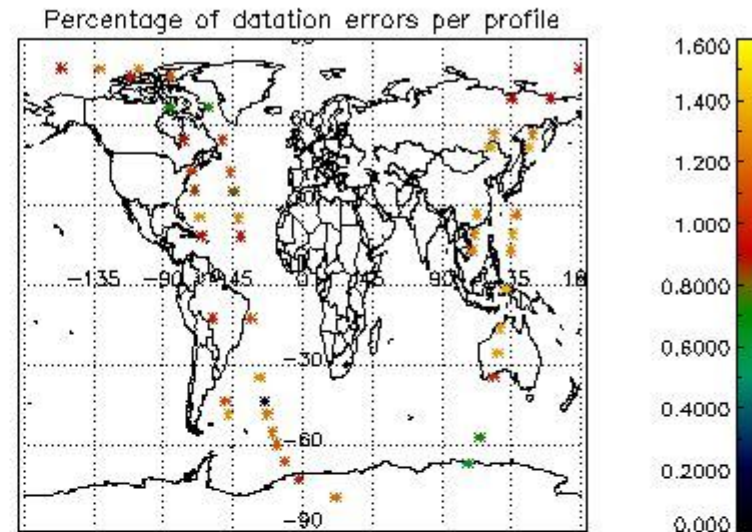
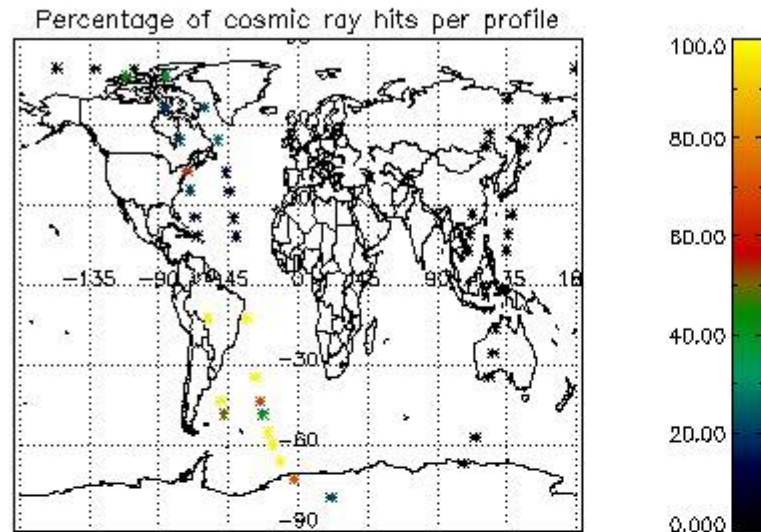
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	25.0000 %
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)



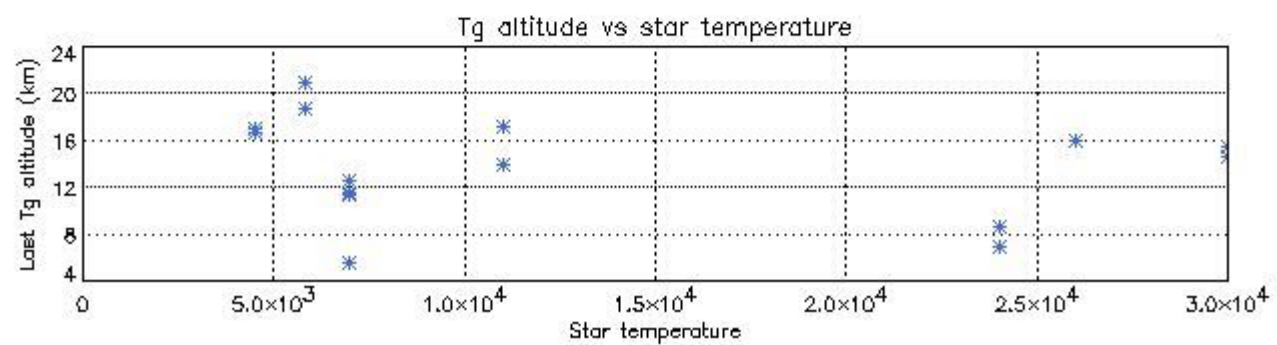
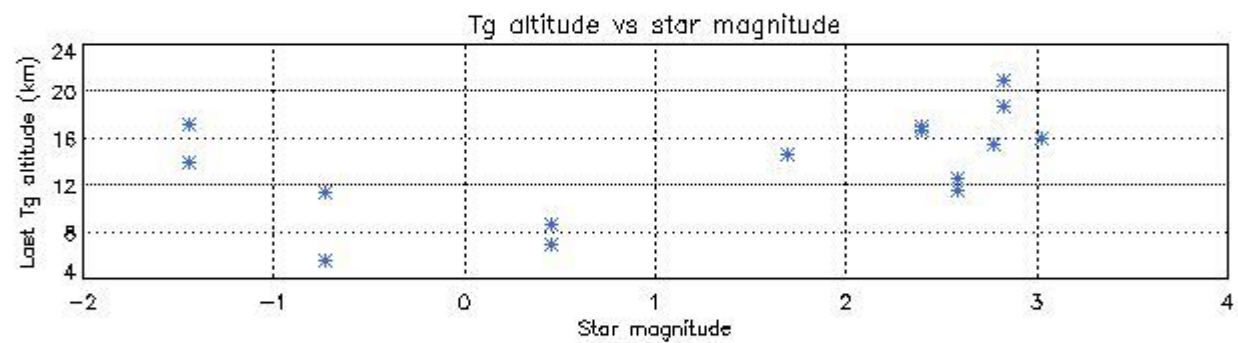
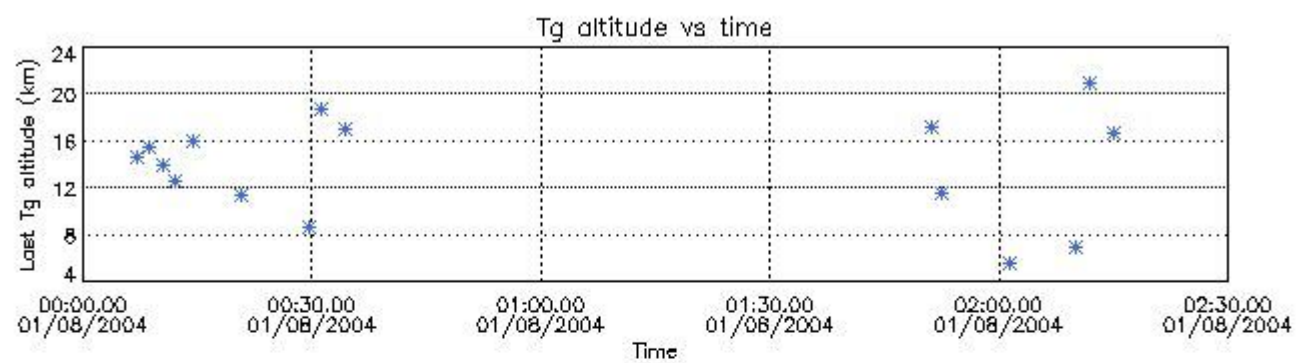
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.789	17.725	13.893
St. deviation:	4.3593	5.7137	3.6248
Maximum:	20.870	28.155	17.268
Minimum:	5.5088	4.8310	8.4712
Number of data:	15.000	28.000	5.0000

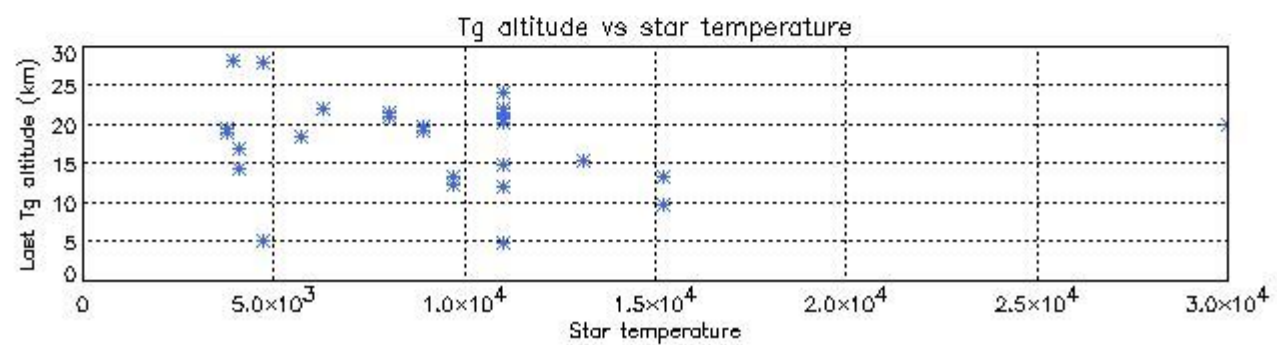
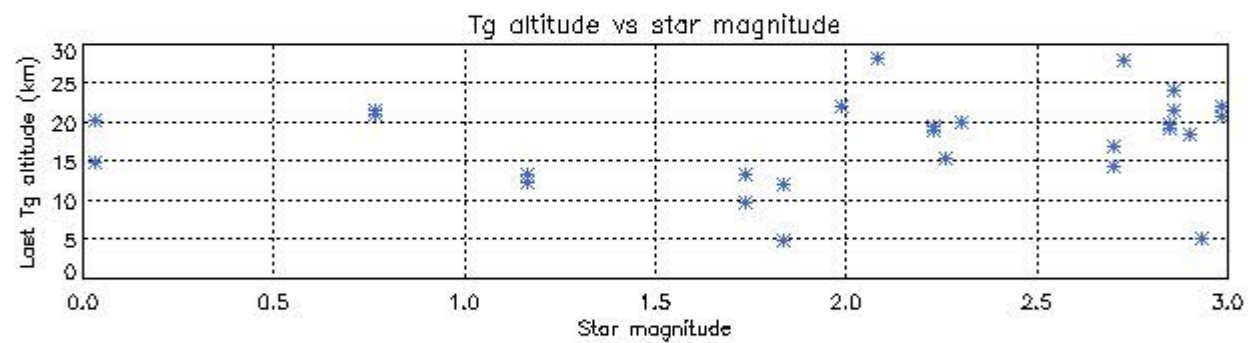
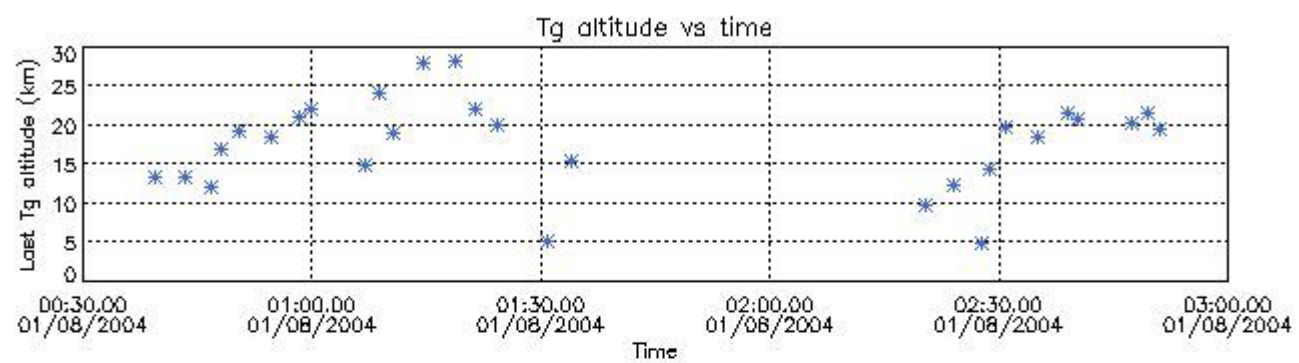
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



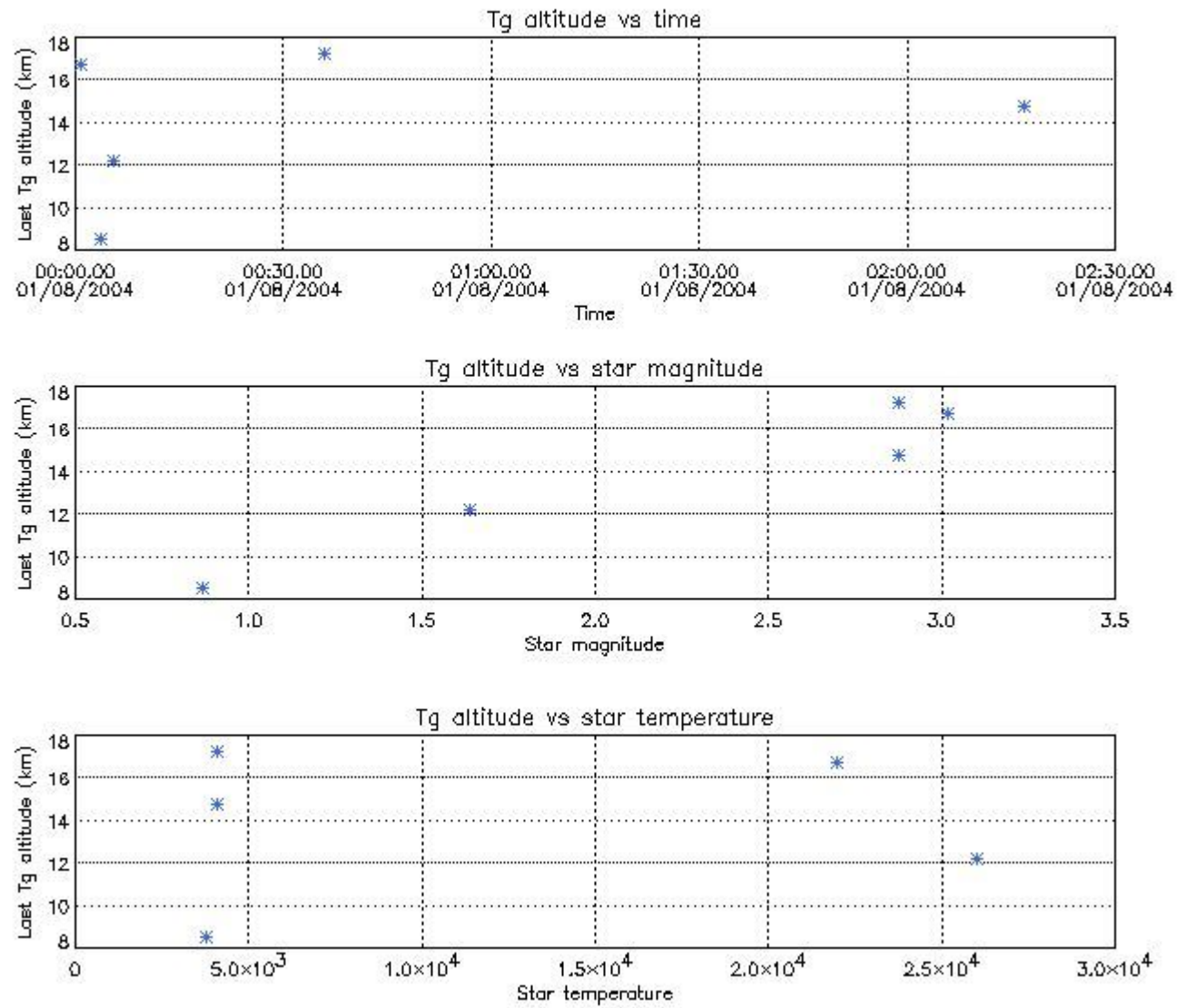
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

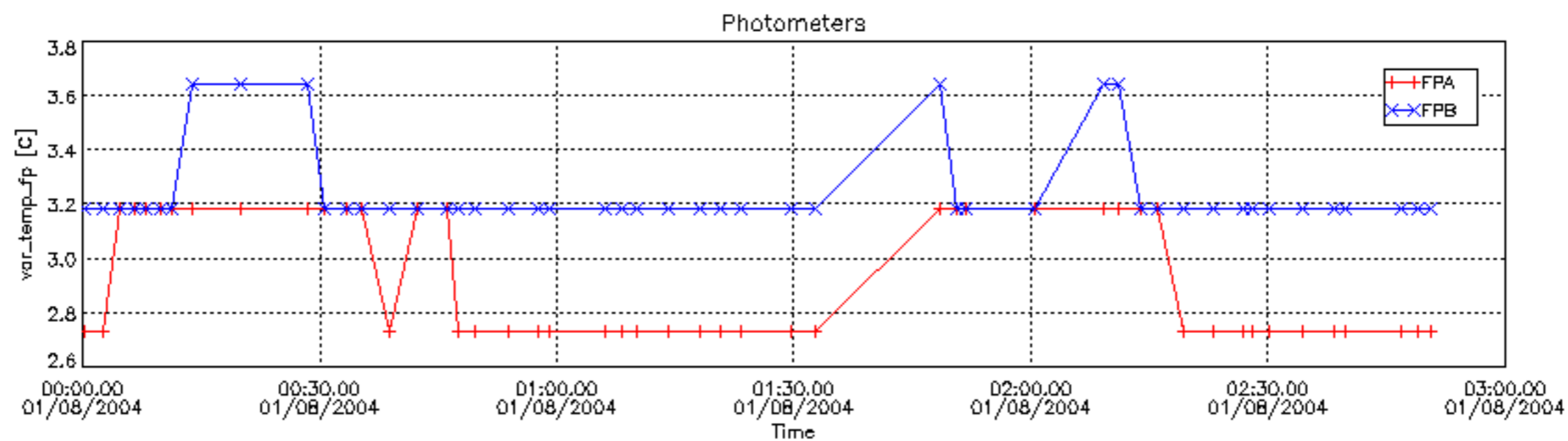
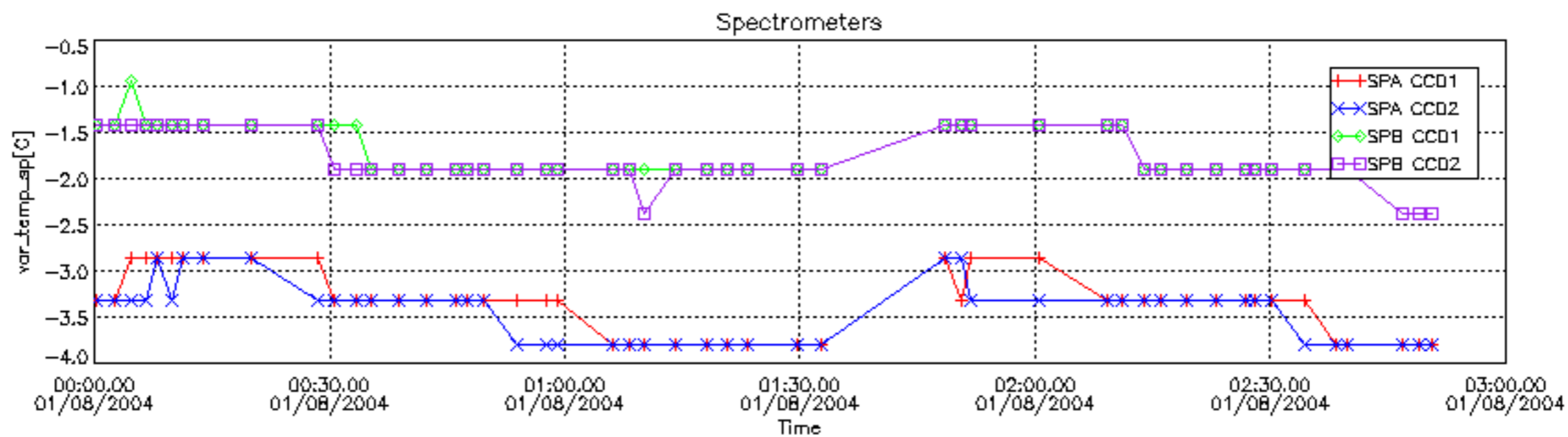
Tangent altitude at which the star is lost

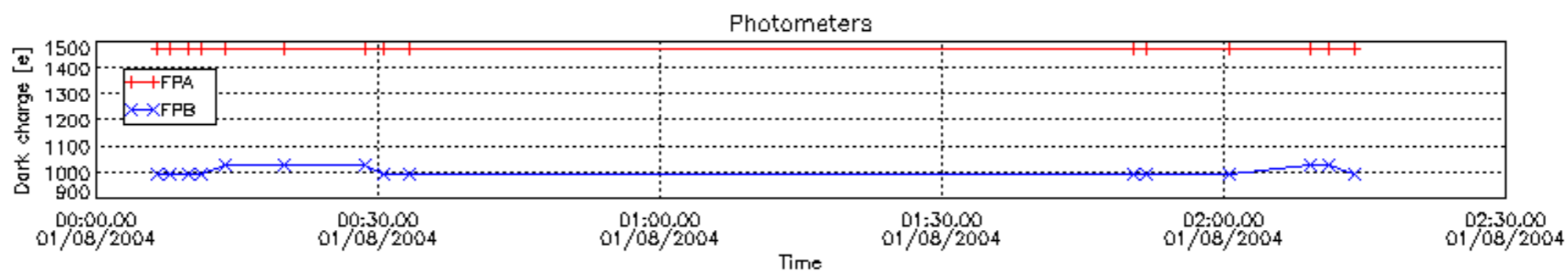
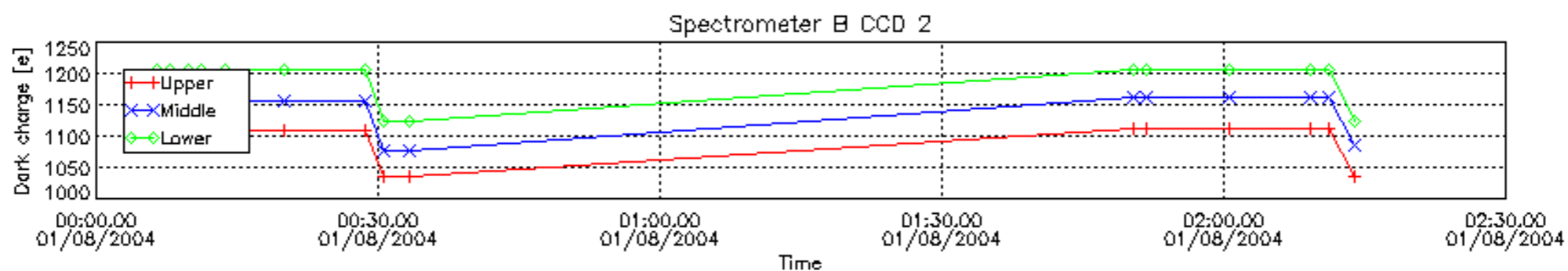
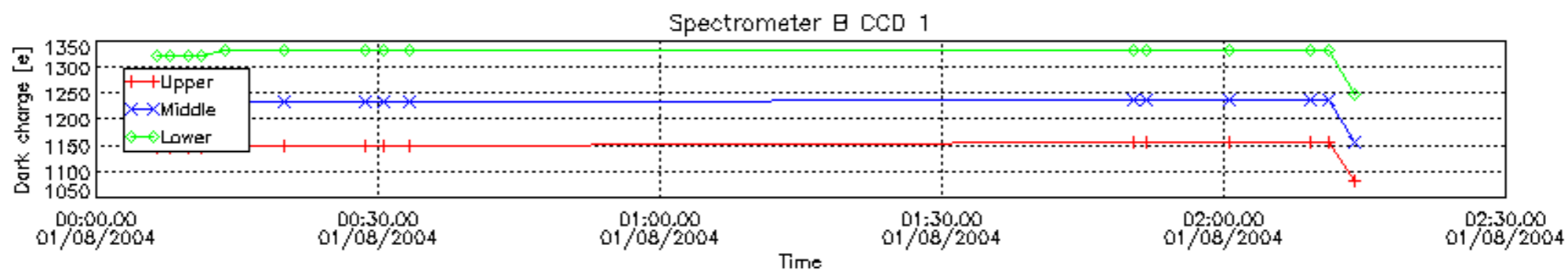
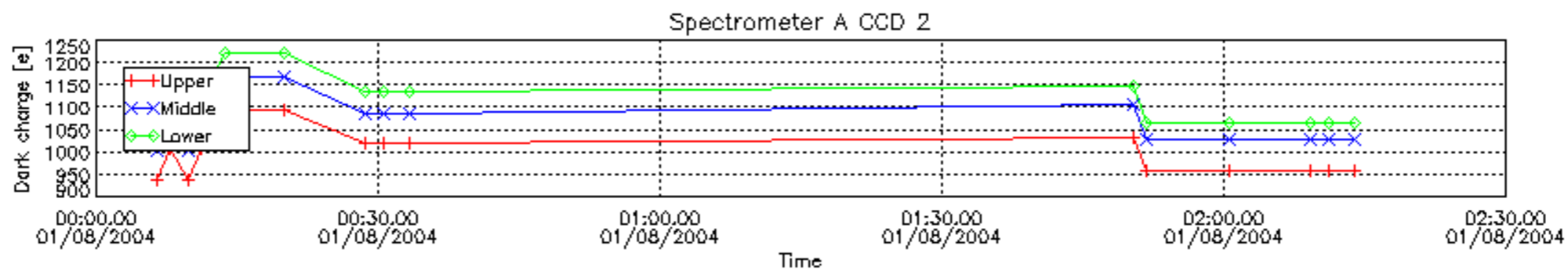
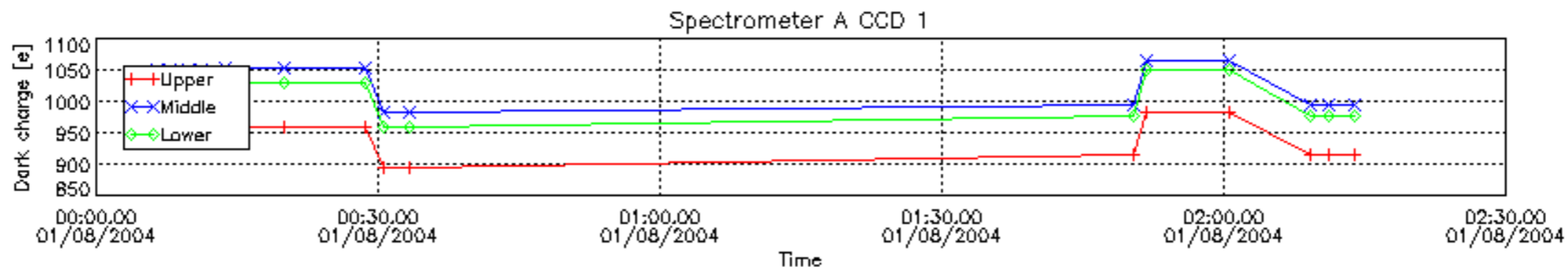


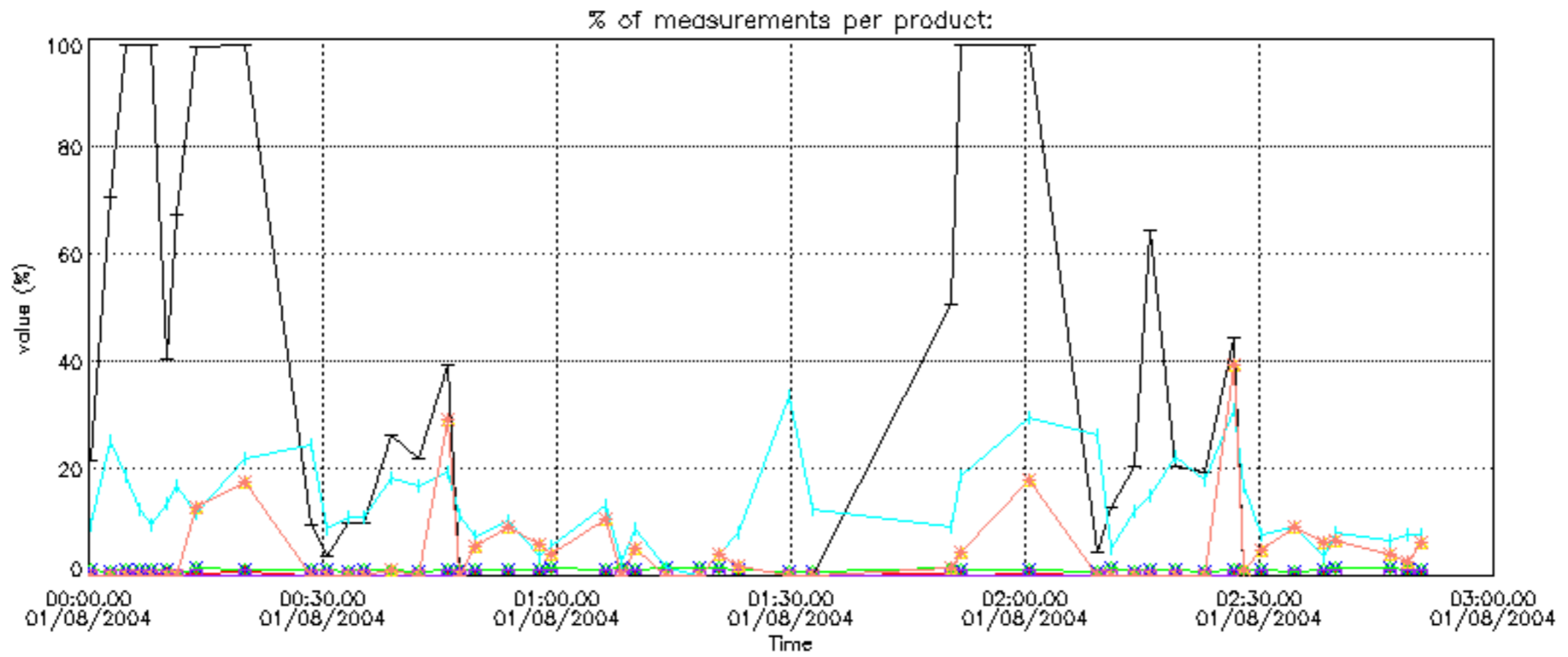
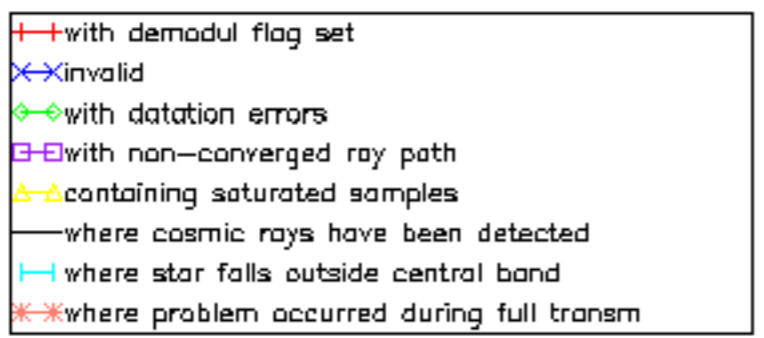
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

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.

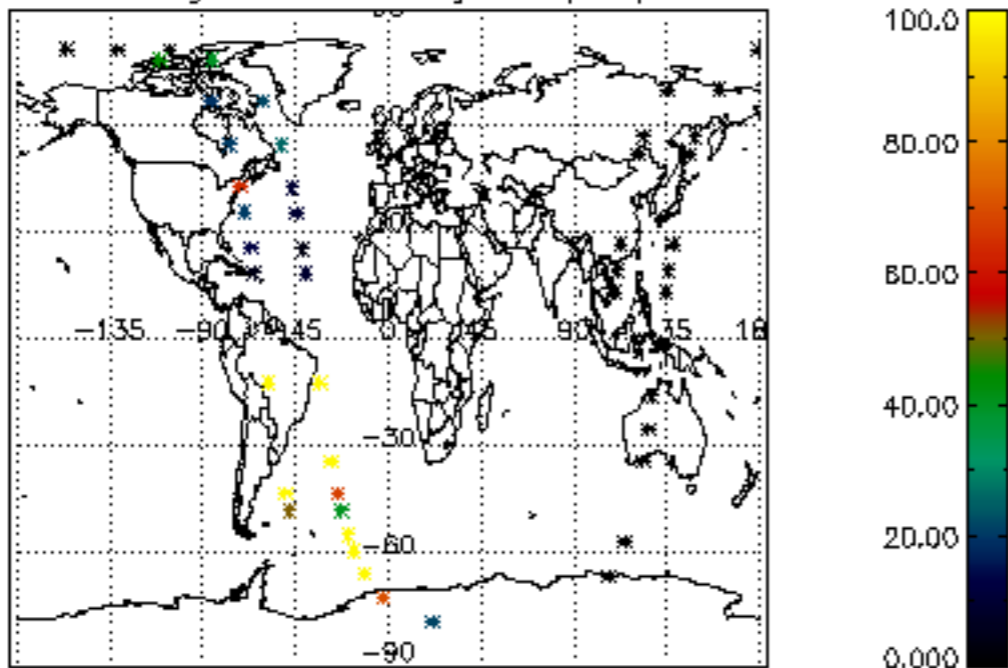
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1460.3	1446.2	1461.6	1446.8
St. deviation:	4.8536	6.0224	6.4950	7.3690
Maximum:	1498.0	1491.0	1521.0	1499.0
Minimum:	1443.0	1438.0	1448.0	1435.0
Number of data:	17750.	17750.	34050.	34050.



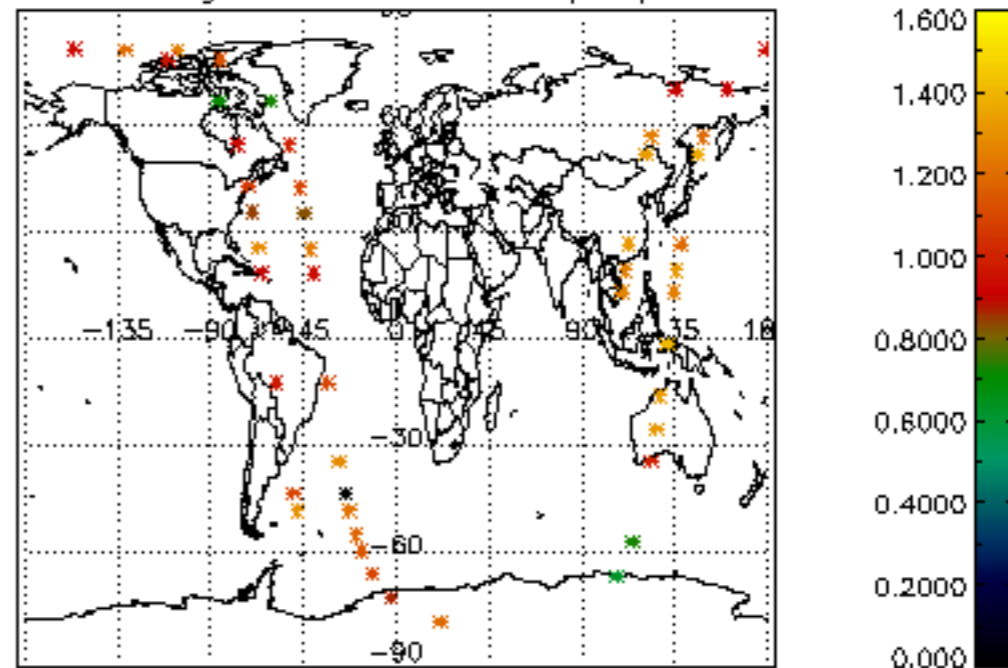




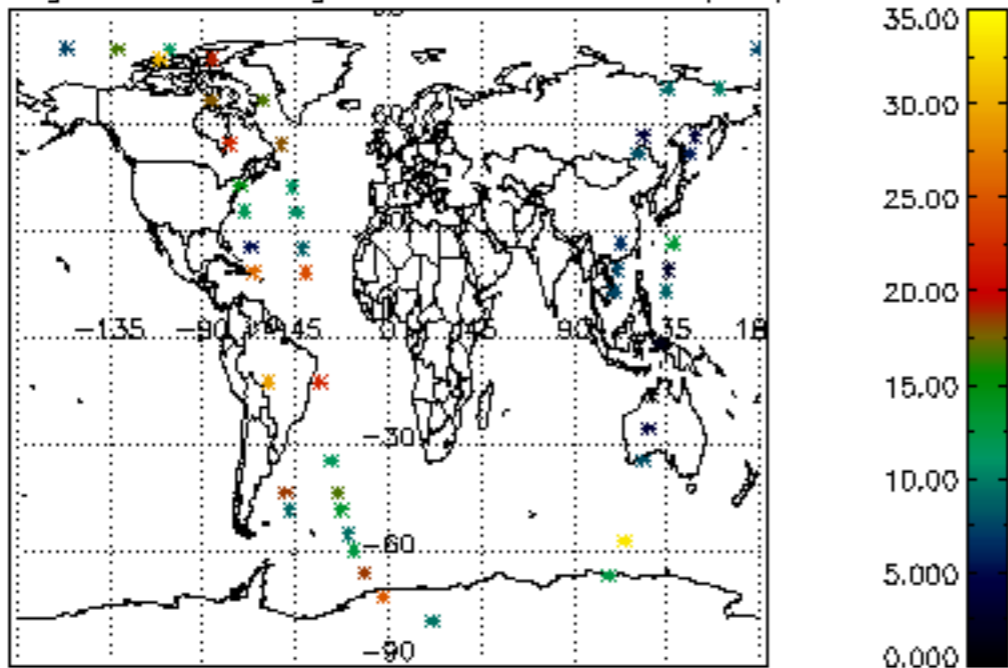
Percentage of cosmic ray hits per profile



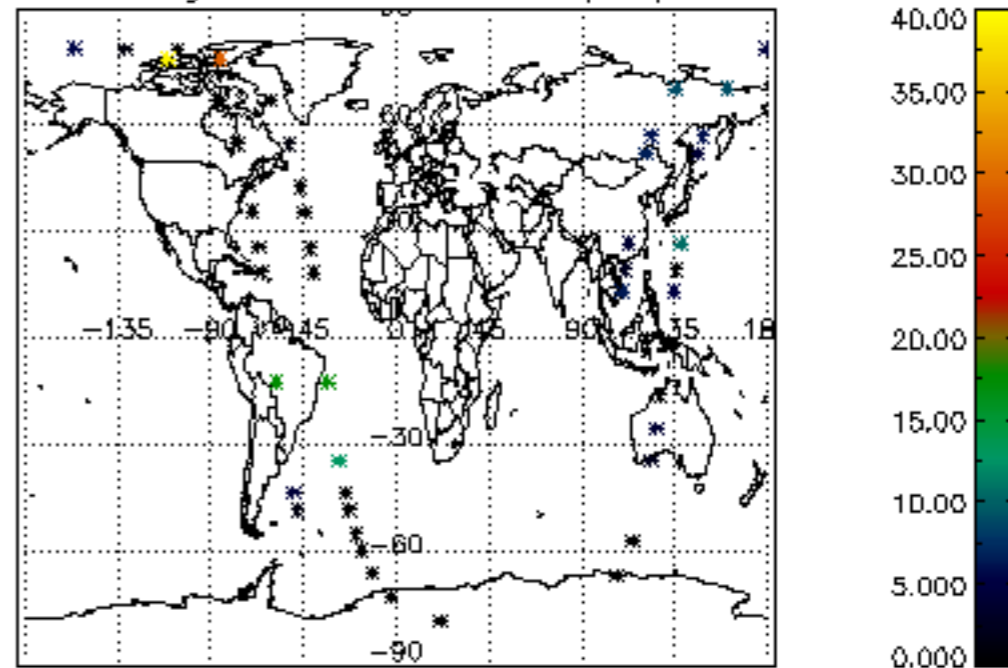
Percentage of datation errors per profile



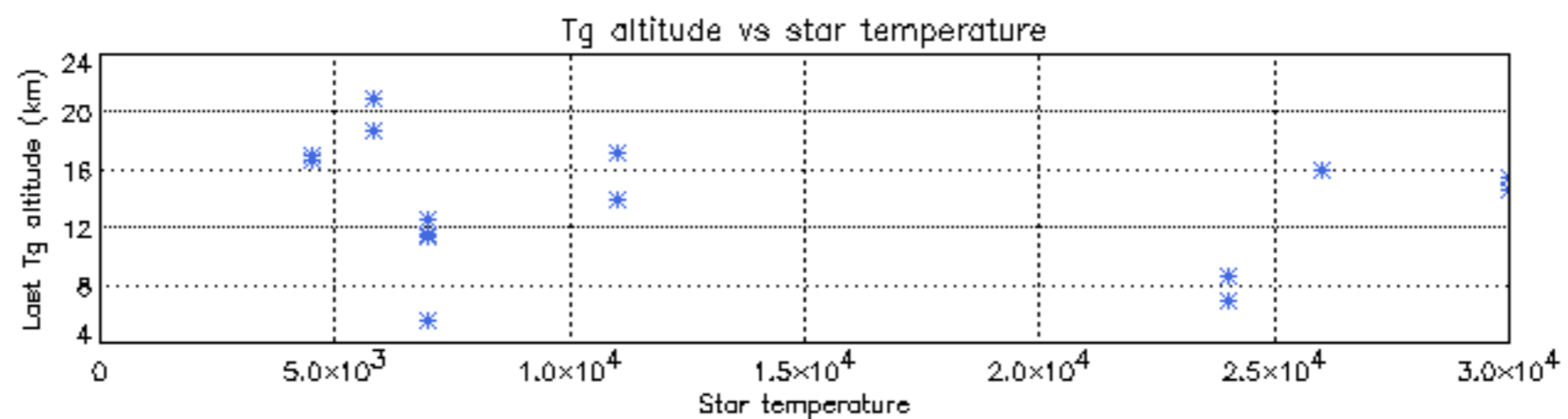
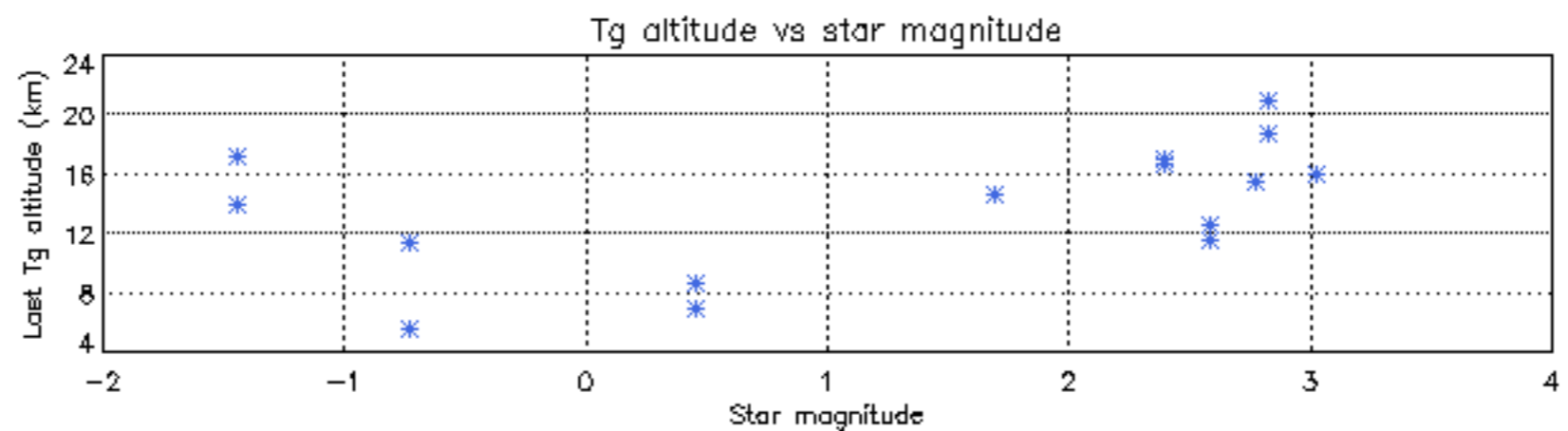
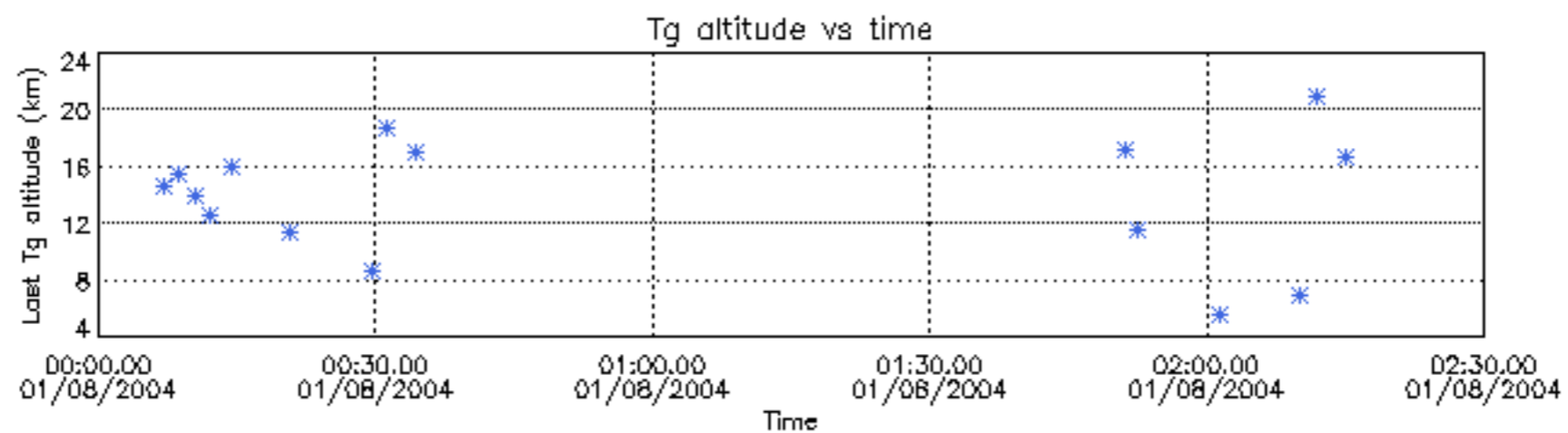
Percentage of star falling outside central band per profile



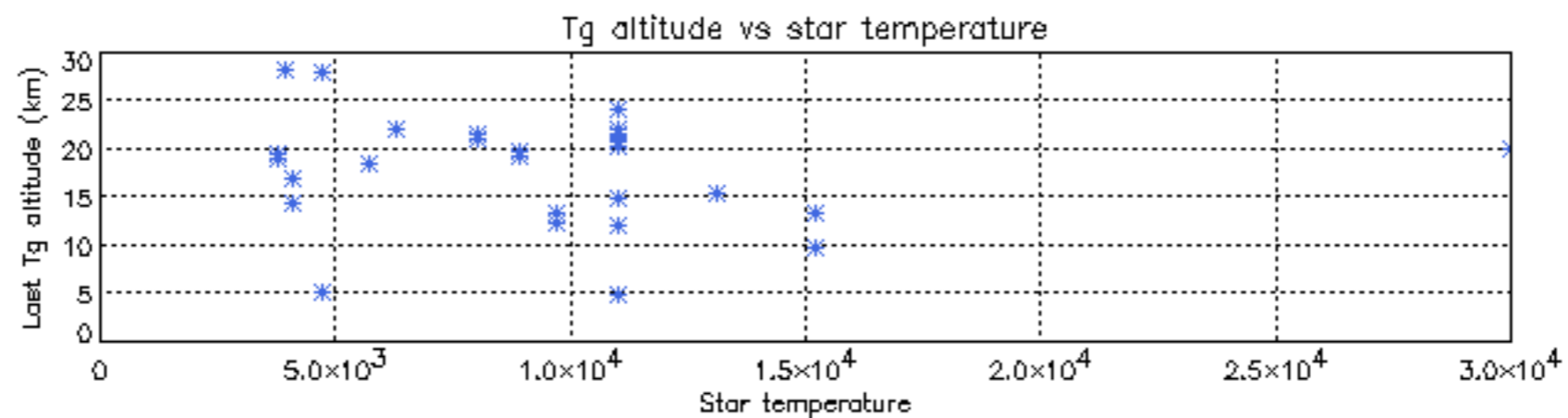
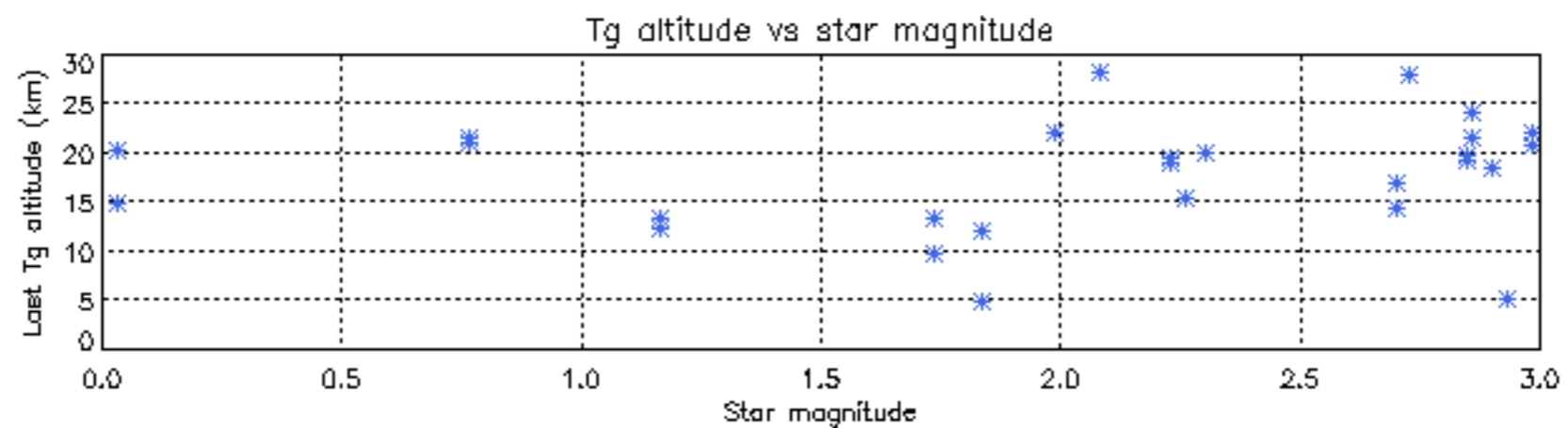
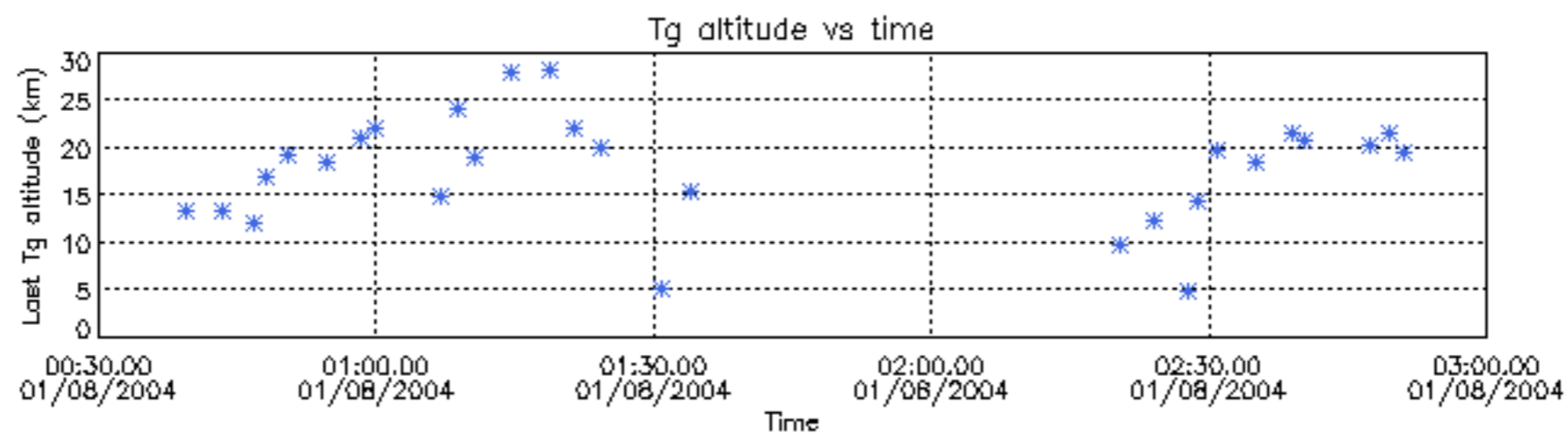
Percentage of saturation errors per profile



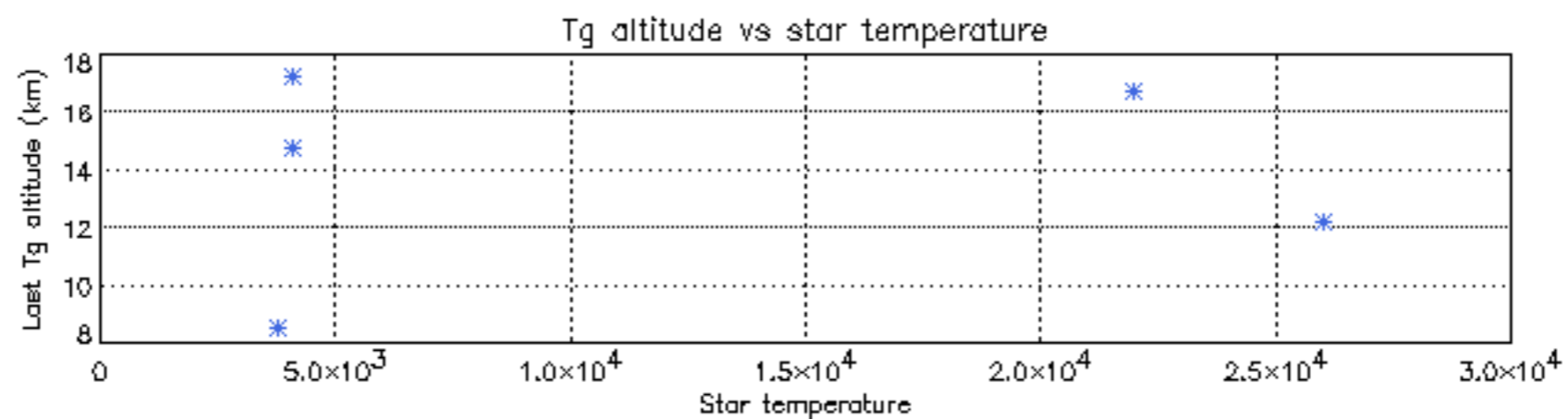
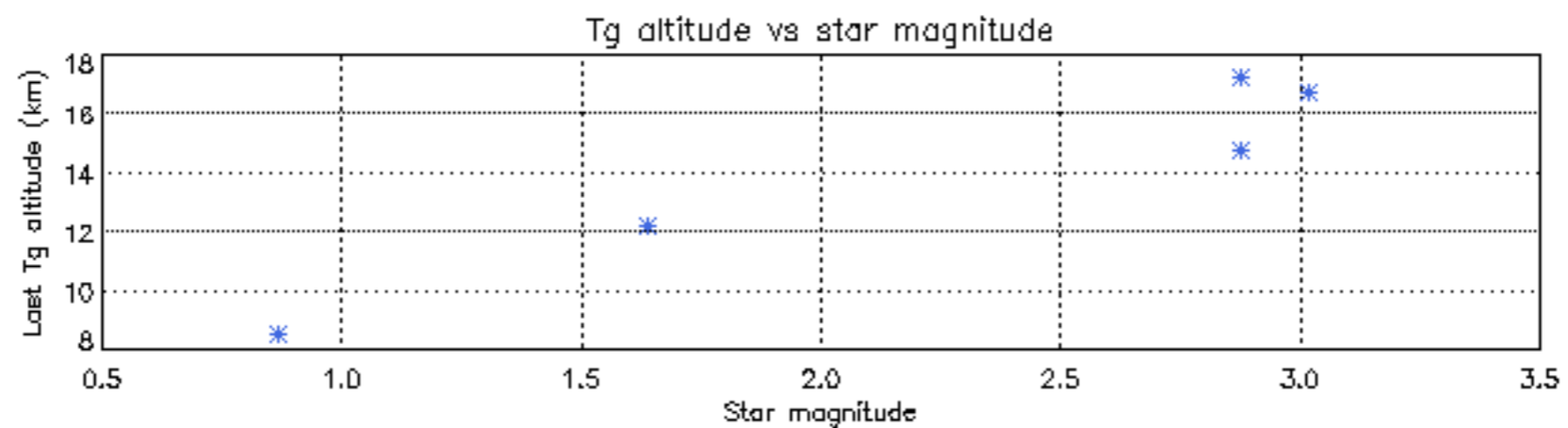
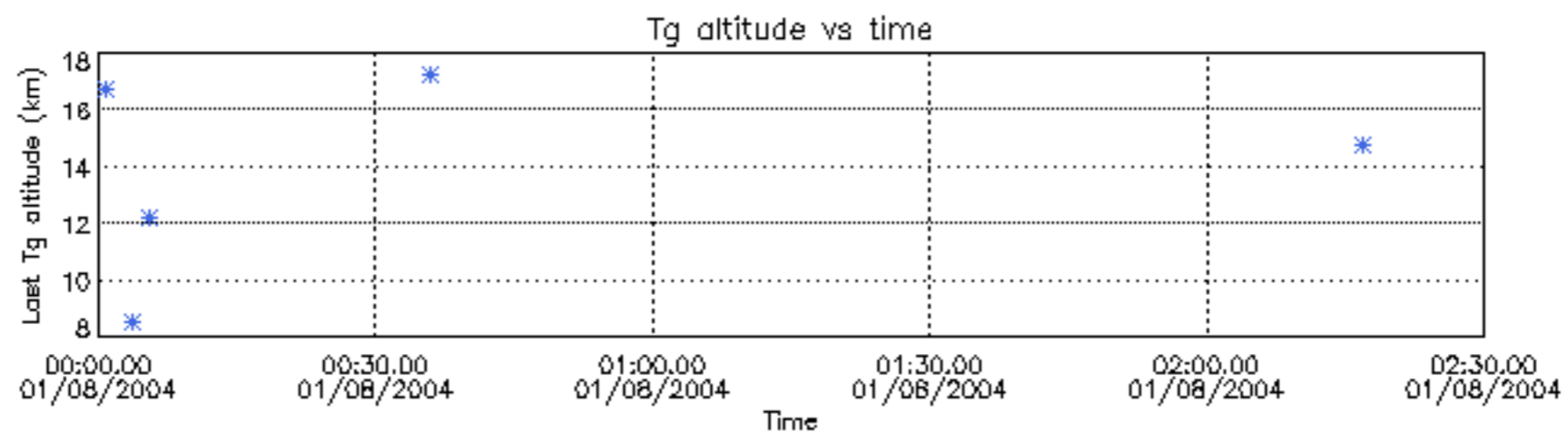
Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



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2;	-579.9;	01-AUG-2004	00:13:46;	Dark	;	39.0;	177;	1Zet CMA	;	3.02;	26000;	occ;	78;	0;	12652
3;	-481.8;	01-AUG-2004	00:15:24;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	12652
4;	-209.3;	01-AUG-2004	00:19:57;	Dark	;	45.5;	2;	Alp Car	;	-0.74;	7000;	occ;	91;	0;	12652
5;	307.4;	01-AUG-2004	00:28:34;	Dark	;	53.5;	9;	Alp Eri	;	0.45;	24000;	occ;	107;	0;	12653
6;	424.1;	01-AUG-2004	00:30:30;	Dark	;	40.5;	135;	Bet Hyi	;	2.82;	5800;	occ;	81;	0;	12653
7;	592.4;	01-AUG-2004	00:33:19;	Dark	;	60.5;	84;	Alp Phe	;	2.40;	4500;	occ;	121;	0;	12653
8;	715.4;	01-AUG-2004	00:35:22;	Dark	;	45.5;	148;	Alp Tuc	;	2.88;	4100;	occ;	91;	0;	12653
9;	919.0;	01-AUG-2004	00:38:45;	Dark	;	50.0;	31;	Alp Gru	;	1.73;	15200;	occ;	100;	0;	12653
10;	1133.7;	01-AUG-2004	00:42:20;	Dark	;	68.5;	18;	24Alp PsA	;	1.17;	9700;	occ;	137;	0;	12653
11;	1359.9;	01-AUG-2004	00:46:06;	Dark	;	44.5;	38;	20Eps Sgr	;	1.84;	11000;	occ;	89;	0;	12653
12;	1438.3;	01-AUG-2004	00:47:24;	Bright	;	40.0;	116;	19Del Sgr	;	2.70;	4100;	occ;	80;	0;	12653
13;	1568.6;	01-AUG-2004	00:49:35;	Bright	;	54.0;	142;	49Del Cap	;	2.85;	8900;	occ;	108;	0;	12653
14;	1820.8;	01-AUG-2004	00:53:47;	Bright	;	55.0;	154;	22Bet Aqr	;	2.90;	5700;	occ;	110;	0;	12653
15;	2054.5;	01-AUG-2004	00:57:41;	Bright	;	42.0;	11;	53Alp Aql	;	0.76;	8000;	occ;	84;	0;	12653
16;	2143.6;	01-AUG-2004	00:59:10;	Bright	;	36.5;	168;	17Zet Aql	;	2.99;	11000;	occ;	73;	0;	12653
17;	2567.4;	01-AUG-2004	01:06:14;	Bright	;	42.0;	5;	3Alp Lyr	;	0.03;	11000;	occ;	84;	0;	12653
18;	2691.7;	01-AUG-2004	01:08:18;	Bright	;	38.0;	144;	18Del Cyg	;	2.86;	11000;	occ;	76;	0;	12653
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20;	3036.2;	01-AUG-2004	01:14:02;	Bright	;	35.5;	119;	14Eta Dra	;	2.73;	4700;	occ;	71;	0;	12653
21;	3282.9;	01-AUG-2004	01:18:09;	Bright	;	37.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	75;	0;	12653
22;	3438.2;	01-AUG-2004	01:20:44;	Bright	;	38.0;	49;	1Alp UMi	;	1.99;	6300;	occ;	76;	0;	12653
23;	3592.9;	01-AUG-2004	01:23:19;	Bright	;	50.5;	76;	27Gam Cas	;	2.30;	30000;	occ;	101;	0;	12653
24;	3976.0;	01-AUG-2004	01:29:42;	Bright	;	68.5;	160;	23Gam Per	;	2.93;	4700;	occ;	137;	0;	12653
25;	4152.2;	01-AUG-2004	01:32:38;	Bright	;	80.5;	73;	57Gam1And	;	2.26;	13100;	occ;	161;	0;	12653
26;	4318.6;	01-AUG-2004	01:35:25;	Dark	;	255.0;	53;	43Bet And	;	2.05;	3300;	occ;	510;	0;	12653
27;	4637.6;	01-AUG-2004	01:40:44;	Dark	;	44.0;	176;	23Zet Tau	;	3.02;	22000;	occ;	88;	0;	12653
28;	4790.3;	01-AUG-2004	01:43:16;	Dark	;	64.0;	13;	87Alp Tau	;	0.87;	3800;	occ;	128;	0;	12653
29;	4910.1;	01-AUG-2004	01:45:16;	Dark	;	45.5;	27;	24Gam Ori	;	1.64;	26000;	occ;	91;	0;	12653
30;	5023.7;	01-AUG-2004	01:47:10;	Dark	;	44.0;	30;	46Eps Ori	;	1.69;	30000;	occ;	88;	0;	12653
31;	5101.6;	01-AUG-2004	01:48:28;	Dark	;	43.5;	125;	44Iot Ori	;	2.77;	30000;	occ;	87;	0;	12653

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4;	-481.6;	01-AUG-2004	01:56:00;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	12653
5;	-209.2;	01-AUG-2004	02:00:33;	Dark	;	51.0;	2;	Alp Car	;	-0.74;	7000;	occ;	102;	0;	12653
6;	308.2;	01-AUG-2004	02:09:10;	Dark	;	55.5;	9;	Alp Eri	;	0.45;	24000;	occ;	111;	0;	12654
7;	424.4;	01-AUG-2004	02:11:06;	Dark	;	39.0;	135;	Bet Hyi	;	2.82;	5800;	occ;	78;	0;	12654
8;	595.1;	01-AUG-2004	02:13:57;	Dark	;	59.0;	84;	Alp Phe	;	2.40;	4500;	occ;	118;	0;	12654
9;	715.9;	01-AUG-2004	02:15:58;	Dark	;	47.5;	148;	Alp Tuc	;	2.88;	4100;	occ;	95;	0;	12654
10;	919.1;	01-AUG-2004	02:19:21;	Dark	;	54.0;	31;	Alp Gru	;	1.73;	15200;	occ;	108;	0;	12654
11;	1134.0;	01-AUG-2004	02:22:56;	Dark	;	70.0;	18;	24Alp PsA	;	1.17;	9700;	occ;	140;	0;	12654
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13;	1438.4;	01-AUG-2004	02:28:00;	Bright	;	42.0;	116;	19Del Sgr	;	2.70;	4100;	occ;	84;	0;	12654
14;	1568.7;	01-AUG-2004	02:30:11;	Bright	;	53.5;	142;	49Del Cap	;	2.85;	8900;	occ;	107;	0;	12654
15;	1820.2;	01-AUG-2004	02:34:22;	Bright	;	55.5;	154;	22Bet Aqr	;	2.90;	5700;	occ;	111;	0;	12654
16;	2056.3;	01-AUG-2004	02:38:18;	Bright	;	40.0;	11;	53Alp Aql	;	0.76;	8000;	occ;	80;	0;	12654
17;	2143.4;	01-AUG-2004	02:39:45;	Bright	;	37.5;	168;	17Zet Aql	;	2.99;	11000;	occ;	75;	0;	12654
18;	2568.1;	01-AUG-2004	02:46:50;	Bright	;	38.0;	5;	3Alp Lyr	;	0.03;	11000;	occ;	76;	0;	12654
19;	2691.0;	01-AUG-2004	02:48:53;	Bright	;	40.0;	144;	18Del Cyg	;	2.86;	11000;	occ;	80;	0;	12654
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21;	3036.9;	01-AUG-2004	02:54:39;	Bright	;	39.0;	119;	14Eta Dra	;	2.73;	4700;	occ;	78;	0;	12654
22;	3285.0;	01-AUG-2004	02:58:47;	Bright	;	35.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	70;	0;	12654
23;	3438.9;	01-AUG-2004	03:01:21;	Bright	;	34.5;	49;	1Alp UMi	;	1.99;	6300;	occ;	69;	0;	12654

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2;	-2060.9;	01-AUG-2004	03:10:17;	Bright	;	49.5;	160;	23Gam Per	;	2.93;	4700;	occ;	99;	0;	12654
3;	-1884.6;	01-AUG-2004	03:13:13;	Bright	;	86.0;	73;	57Gam1And	;	2.26;	13100;	occ;	172;	0;	12654
4;	-1718.4;	01-AUG-2004	03:16:00;	Dark	;	255.0;	53;	43Bet And	;	2.05;	3300;	occ;	510;	0;	12654
5;	-1397.5;	01-AUG-2004	03:21:21;	Dark	;	44.0;	176;	23Zet Tau	;	3.02;	22000;	occ;	88;	0;	12654
6;	-1245.2;	01-AUG-2004	03:23:53;	Dark	;	58.0;	13;	87Alp Tau	;	0.87;	3800;	occ;	116;	0;	12654
7;	-1125.6;	01-AUG-2004	03:25:52;	Dark	;	44.5;	27;	24Gam Ori	;	1.64;	26000;	occ;	89;	0;	12654
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9;	-932.1;	01-AUG-2004	03:29:06;	Dark	;	42.0;	125;	44Iot Ori	;	2.77;	30000;	occ;	84;	0;	12654
10;	-813.7;	01-AUG-2004	03:31:04;	Dark	;	40.0;	1;	9Alp CMA	;	-1.44;	11000;	occ;	80;	0;	12654
11;	-732.2;	01-AUG-2004	03:32:26;	Dark	;	44.0;	101;	11Alp Lep	;	2.58;	7000;	occ;	88;	0;	12654

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12; -580.1; 01-AUG-2004 03:34:58; Dark ; 38.0; 177; 1Zet CMA ; 3.02; 26000;occ; 76; 0;12654
13; -481.4; 01-AUG-2004 03:36:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12654
14; -209.7; 01-AUG-2004 03:41:08; Dark ; 51.0; 2; Alp Car ;-0.74; 7000;occ; 102; 0;12654
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16; 422.9; 01-AUG-2004 03:51:41; Dark ; 41.5; 135; Bet Hyi ; 2.82; 5800;occ; 83; 0;12655
17; 594.5; 01-AUG-2004 03:54:32; Dark ; 63.0; 84; Alp Phe ; 2.40; 4500;occ; 126; 0;12655
18; 719.2; 01-AUG-2004 03:56:37; Dark ; 44.5; 148; Alp Tuc ; 2.88; 4100;occ; 89; 0;12655
19; 911.3; 01-AUG-2004 03:59:49; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;12655
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22; 1438.8; 01-AUG-2004 04:08:37; Bright; 41.5; 116; 19Del Sgr ; 2.70; 4100;occ; 83; 0;12655
23; 1568.2; 01-AUG-2004 04:10:46; Bright; 54.5; 142; 49Del Cap ; 2.85; 8900;occ; 109; 0;12655
24; 1817.6; 01-AUG-2004 04:14:56; Bright; 57.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 115; 0;12655
25; 2057.2; 01-AUG-2004 04:18:55; Bright; 39.0; 11; 53Alp Aql ; 0.76; 8000;occ; 78; 0;12655
26; 2143.9; 01-AUG-2004 04:20:22; Bright; 37.0; 168; 17Zet Aql ; 2.99; 11000;occ; 74; 0;12655
27; 2569.1; 01-AUG-2004 04:27:27; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;12655
28; 2691.5; 01-AUG-2004 04:29:29; Bright; 39.0; 144; 18Del Cyg ; 2.86; 11000;occ; 78; 0;12655
29; 2796.1; 01-AUG-2004 04:31:14; Bright; 37.5; 69; 33Gam Dra ; 2.23; 3800;occ; 75; 0;12655
30; 3037.5; 01-AUG-2004 04:35:15; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;12655
31; 3286.3; 01-AUG-2004 04:39:24; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;12655
32; 3439.3; 01-AUG-2004 04:41:57; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;12655
33; 3591.4; 01-AUG-2004 04:44:29; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;12655
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3; -1884.9; 01-AUG-2004 04:53:49; Bright; 87.5; 73; 57Gam1And ; 2.26; 13100;occ; 175; 0;12655
4; -1719.4; 01-AUG-2004 04:56:35; Dark ; 255.0; 53; 43Bet And ; 2.05; 3300;occ; 510; 0;12655
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9; -931.7; 01-AUG-2004 05:09:42; Dark ; 42.0; 125; 44Iot Ori ; 2.77; 30000;occ; 84; 0;12655
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12; -579.5; 01-AUG-2004 05:15:34; Dark ; 39.0; 177; 1Zet CMA ; 3.02; 26000;occ; 78; 0;12655
13; -481.2; 01-AUG-2004 05:17:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12655
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33; 3439.7; 01-AUG-2004 06:22:34; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;12656
34; 3590.4; 01-AUG-2004 06:25:04; Bright; 51.0; 76; 27Gam Cas ; 2.30; 30000;occ; 102; 0;12656
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21; -567.9; 02-AUG-2004 08:05:21; Dark ; 54.5; 165; 34Gam Eri ; 2.95; 3200;occ; 109; 0;12671
22; -286.1; 02-AUG-2004 08:10:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12671
23; -3.0; 02-AUG-2004 08:14:46; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;12671
24; 321.8; 02-AUG-2004 08:20:11; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;12672
25; 430.3; 02-AUG-2004 08:21:59; Dark ; 38.5; 135; Bet Hyi ; 2.82; 5800;occ; 77; 0;12672
26; 615.2; 02-AUG-2004 08:25:04; Dark ; 69.5; 84; Alp Phe ; 2.40; 4500;occ; 139; 0;12672
27; 726.9; 02-AUG-2004 08:26:56; Dark ; 42.0; 148; Alp Tuc ; 2.88; 4100;occ; 84; 0;12672
28; 861.3; 02-AUG-2004 08:29:10; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;12672
29; 1146.2; 02-AUG-2004 08:33:55; Dark ; 69.5; 18; 24Alp PsA ; 1.17; 9700;occ; 139; 0;12672
30; 1416.2; 02-AUG-2004 08:38:25; Dark ; 52.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 104; 0;12672
31; 1569.8; 02-AUG-2004 08:40:59; Bright; 54.0; 142; 49Del Cap ; 2.85; 8900;occ; 108; 0;12672
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2; -3979.2; 02-AUG-2004 08:49:05; Bright; 40.0; 11; 53Alp Aql ; 0.76; 8000;occ; 80; 0;12672
3; -3890.4; 02-AUG-2004 08:50:34; Bright; 37.0; 168; 17Zet Aql ; 2.99; 11000;occ; 74; 0;12672
4; -3465.1; 02-AUG-2004 08:57:40; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;12672
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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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
31; 1570.5; 02-AUG-2004 10:21:35; Bright; 52.5; 142; 49Del Cap ; 2.85; 8900;occ; 105; 0;12673
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2;-3979.4; 02-AUG-2004 10:29:41; Bright; 39.5; 11; 53Alp Aql ; 0.76; 8000;occ; 79; 0;12673
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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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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10;-2457.8; 02-AUG-2004 12:35:39; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;12674
 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!

1;-4465.9; 02-AUG-2004 13:42:46; Bright; 52.5; 142; 49Del Cap ; 2.85; 8900;occ; 105; 0;12675
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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
 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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1;-4620.6; 02-AUG-2004 15:20:48; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;12676
 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
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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
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19; -953.5; 23-AUG-2004 12:00:19; Dark ; 62.5; 27; 24Gam Ori ; 1.64; 26000;occ; 125; 0;12974
20; -837.5; 23-AUG-2004 12:02:15; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;12974
21; -726.0; 23-AUG-2004 12:04:07; Dark ; 55.0; 1; 9Alp CMA ; -1.44; 11000;occ; 110; 0;12974
22; -632.5; 23-AUG-2004 12:05:40; Dark ; 75.5; 7; 19Bet Ori ; 0.10; 14000;occ; 151; 0;12974
23; -423.7; 23-AUG-2004 12:09:09; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;12974
24; -313.0; 23-AUG-2004 12:11:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12974
25; -140.1; 23-AUG-2004 12:13:53; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;12974
26; 340.9; 23-AUG-2004 12:21:54; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;12975
27; 527.8; 23-AUG-2004 12:25:01; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;12975
28; 833.0; 23-AUG-2004 12:30:06; Dark ; 43.0; 148; Alp Tuc ; 2.88; 4100;occ; 86; 0;12975
29; 971.1; 23-AUG-2004 12:32:24; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;12975
30; 1050.7; 23-AUG-2004 12:33:43; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;12975
31; 1291.9; 23-AUG-2004 12:37:45; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;12975
32; 1602.7; 23-AUG-2004 12:42:55; Dark ; 10.5; 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