

GOMOS Daily Report 09-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	11AUG2004 06:54:09
Data source version	GOMOS/4.02
Start time of products	QDS_YESTERDAY(/START)-1D (09AUG2004 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (10AUG2004 00:00:00)

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

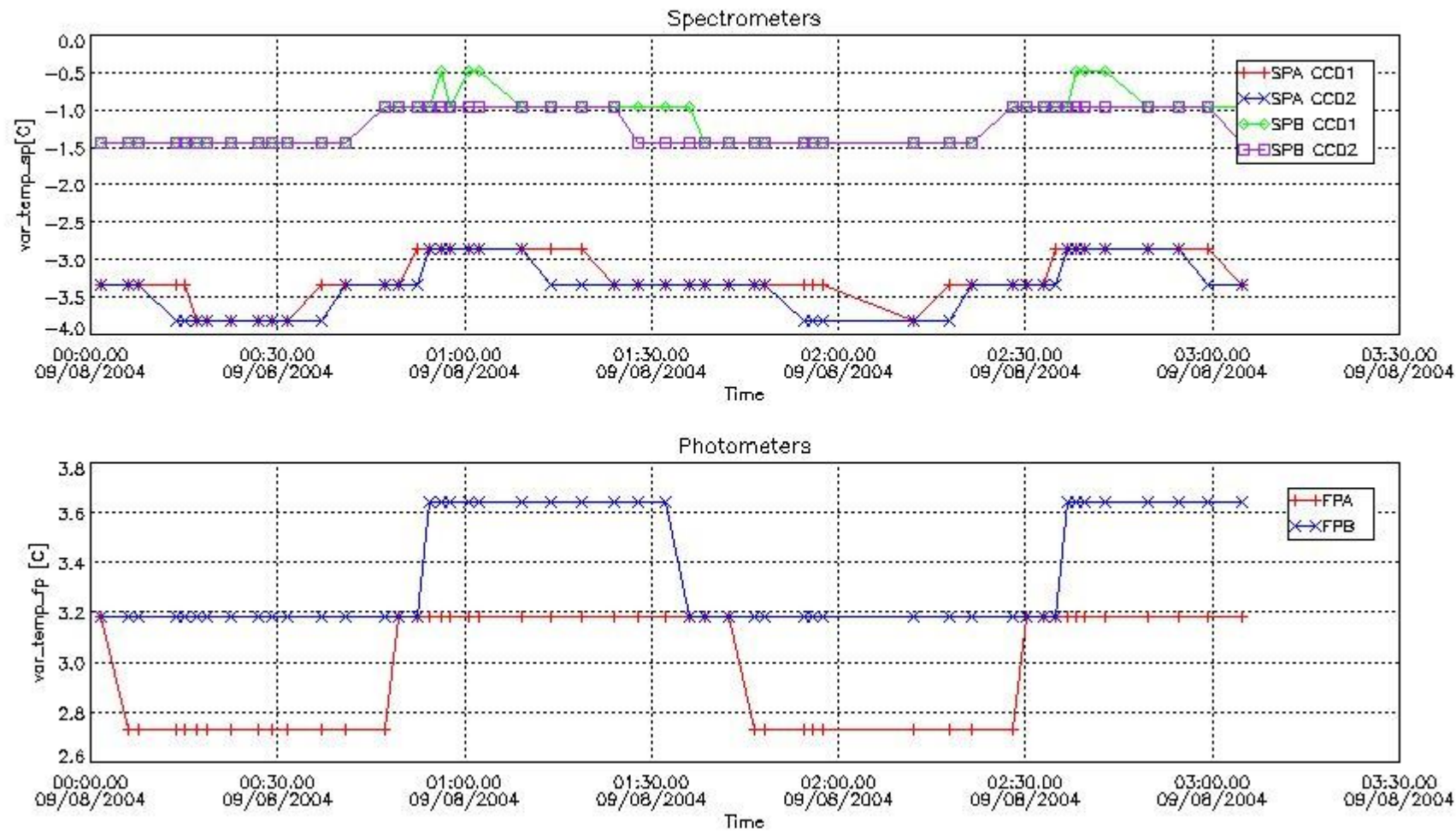
2. Summary of products arrived in PCF (Product Control Facility)

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_1PNPDE20040809_000144_000000482029_00188_12767_0011.N1	09-AUG-2004 00:01:44	Bright	48.000	154	22Bet Aqr	2.8990	5700.0	96	12767	No
GOM_TRA_1PNPDE20040809_000556_000000392029_00188_12767_0012.N1	09-AUG-2004 00:05:56	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	12767	No
GOM_TRA_1PNPDE20040809_000734_000000392029_00188_12767_0013.N1	09-AUG-2004 00:07:34	Bright	38.500	168	17Zet Aql	2.9860	11000.	77	12767	No
GOM_TRA_1PNPDE20040809_001347_000000402029_00188_12767_0014.N1	09-AUG-2004 00:13:47	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	12767	No
GOM_TRA_1PNPDE20040809_001512_000000422029_00188_12767_0015.N1	09-AUG-2004 00:15:12	Bright	41.500	66	37Gam Cyg	2.2080	5900.0	83	12767	No
GOM_TRA_1PNPDE20040809_001659_000000432029_00188_12767_0016.N1	09-AUG-2004 00:16:59	Bright	42.500	19	50Alp Cyg	1.2460	10500.	85	12767	No
GOM_TRA_1PNPDE20040809_001841_000000402029_00188_12767_0017.N1	09-AUG-2004 00:18:41	Bright	40.000	69	33Gam Dra	2.2310	3800.0	80	12767	No
GOM_TRA_1PNPDE20040809_002225_000000412029_00188_12767_0018.N1	09-AUG-2004 00:22:25	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	12767	No
GOM_TRA_1PNPDE20040809_002659_000000352029_00188_12767_0019.N1	09-AUG-2004 00:26:59	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	12767	No
GOM_TRA_1PNPDE20040809_002858_000000382029_00188_12767_0020.N1	09-AUG-2004 00:28:58	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	12767	No
GOM_TRA_1PNPDE20040809_003132_000000522029_00188_12767_0021.N1	09-AUG-2004 00:31:32	Bright	52.000	110	37Del Cas	2.6780	8900.0	104	12767	No
GOM_TRA_1PNPDE20040809_003709_000000542029_00188_12767_0022.N1	09-AUG-2004 00:37:09	Bright	53.500	160	23Gam Per	2.9300	4700.0	107	12767	No
GOM_TRA_1PNPDE20040809_004047_000002552029_00188_12767_0023.N1	09-AUG-2004 00:40:47	Twilight	255.00	53	43Bet And	2.0480	3300.0	510	12767	No
GOM_TRA_1PNPDE20040809_004714_000000512029_00188_12767_0024.N1	09-AUG-2004 00:47:14	Twilight	51.000	28	12Bet Tau	1.6500	15200.	102	12767	No
GOM_TRA_1PNPDE20040809_004926_000000472029_00188_12767_0025.N1	09-AUG-2004 00:49:26	Twilight	46.500	176	23Zet Tau	3.0200	22000.	93	12767	No
GOM_TRA_1PNPDE20040809_005220_000000732029_00188_12767_0026.N1	09-AUG-2004 00:52:20	Twilight	73.000	13	87Alp Tau	0.86700	3800.0	146	12767	No
GOM_TRA_1PNPDE20040809_005415_000000492029_00188_12767_0027.N1	09-AUG-2004 00:54:15	Twilight	48.500	27	24Gam Ori	1.6360	26000.	97	12767	No
GOM_TRA_1PNPDE20040809_005611_000000462029_00188_12767_0028.N1	09-AUG-2004 00:56:11	Dark	45.500	30	46Eps Ori	1.6940	30000.	91	12767	No
GOM_TRA_1PNPDE20040809_005732_000000462029_00188_12767_0029.N1	09-AUG-2004 00:57:32	Dark	46.000	125	44Iot Ori	2.7700	30000.	92	12767	No
GOM_TRA_1PNPDE20040809_010047_000000402029_00188_12767_0000.N1	09-AUG-2004 01:00:47	Dark	40.000	179	24Omi2CMa	3.0320	24000.	80	12767	No
GOM_TRA_1PNPDE20040809_010215_000000442029_00188_12767_0001.N1	09-AUG-2004 01:02:15	Dark	43.500	23	21Eps CMa	1.5020	26000.	87	12767	No
GOM_TRA_1PNPDE20040809_010902_000000472029_00188_12767_0002.N1	09-AUG-2004 01:09:02	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	12767	No
GOM_TRA_1PNPDE20040809_011354_000000532029_00189_12768_0003.N1	09-AUG-2004 01:13:54	Dark	53.000	157	The1Eri	2.9060	9300.0	106	12768	No
GOM_TRA_1PNPDE20040809_011843_000000462029_00189_12768_0004.N1	09-AUG-2004 01:18:43	Dark	45.500	9	Alp Eri	0.45300	24000.	91	12768	No
GOM_TRA_1PNPDE20040809_012407_000000672029_00189_12768_0005.N1	09-AUG-2004 01:24:07	Twilight	66.500	84	Alp Phe	2.3970	4500.0	133	12768	No
GOM_TRA_1PNPDE20040809_012753_000000442029_00189_12768_0006.N1	09-AUG-2004 01:27:53	Twilight	43.500	45	Alp Pav	1.9400	26000.	87	12768	No
GOM_TRA_1PNPDE20040809_013220_000000642029_00189_12768_0007.N1	09-AUG-2004 01:32:20	Bright	64.000	18	24Alp PsA	1.1660	9700.0	128	12768	No
GOM_TRA_1PNPDE20040809_013608_000000412029_00189_12768_0008.N1	09-AUG-2004 01:36:08	Bright	40.500	103	38Zet Sgr	2.6000	9700.0	81	12768	No
GOM_TRA_1PNPDE20040809_013836_000000502029_00189_12768_0009.N1	09-AUG-2004 01:38:36	Bright	49.500	142	49Del Cap	2.8500	8900.0	99	12768	No
GOM_TRA_1PNPDE20040809_014220_000000492029_00189_12768_0010.N1	09-AUG-2004 01:42:20	Bright	48.500	154	22Bet Aqr	2.8990	5700.0	97	12768	No
GOM_TRA_1PNPDE20040809_014632_000000392029_00189_12768_0011.N1	09-AUG-2004 01:46:32	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	12768	No
GOM_TRA_1PNPDE20040809_014812_000000392029_00189_12768_0012.N1	09-AUG-2004 01:48:12	Bright	38.500	168	17Zet Aql	2.9860	11000.	77	12768	No
GOM_TRA_1PNPDE20040809_015423_000000402029_00189_12768_0013.N1	09-AUG-2004 01:54:23	Bright	40.000	92	53Eps Cyg	2.5000	4500.0	80	12768	No
GOM_TRA_1PNPDE20040809_015548_000000422029_00189_12768_0014.N1	09-AUG-2004 01:55:48	Bright	42.000	66	37Gam Cyg	2.2080	5900.0	84	12768	No
GOM_TRA_1PNPDE20040809_015734_000000422029_00189_12768_0015.N1	09-AUG-2004 01:57:34	Bright	42.000	19	50Alp Cyg	1.2460	10500.	84	12768	No
GOM_TRA_1PNPDE20040809_021208_000000512029_00189_12768_0000.N1	09-AUG-2004 02:12:08	Bright	51.000	110	37Del Cas	2.6780	8900.0	102	12768	No
GOM_TRA_1PNPDE20040809_021744_000000552029_00189_12768_0001.N1	09-AUG-2004 02:17:44	Bright	54.500	160	23Gam Per	2.9300	4700.0	109	12768	No
GOM_TRA_1PNPDE20040809_022121_000002552029_00189_12768_0002.N1	09-AUG-2004 02:21:21	Twilight	255.00	53	43Bet And	2.0480	3300.0	510	12768	No
GOM_TRA_1PNPDE20040809_022749_000000482029_00189_12768_0003.N1	09-AUG-2004 02:27:49	Twilight	48.000	28	12Bet Tau	1.6500	15200.	96	12768	No
GOM_TRA_1PNPDE20040809_023002_000000452029_00189_12768_0004.N1	09-AUG-2004 02:30:02	Twilight	44.500	176	23Zet Tau	3.0200	22000.	89	12768	No
GOM_TRA_1PNPDE20040809_023258_000000632029_00189_12768_0005.N1	09-AUG-2004 02:32:58	Twilight	62.500	13	87Alp Tau	0.86700	3800.0	125	12768	No
GOM_TRA_1PNPDE20040809_023451_000000512029_00189_12768_0006.N1	09-AUG-2004 02:34:51	Twilight	50.500	27	24Gam Ori	1.6360	26000.	101	12768	No
GOM_TRA_1PNPDE20040809_023647_000000462029_00189_12768_0007.N1	09-AUG-2004 02:36:47	Dark	46.000	30	46Eps Ori	1.6940	30000.	92	12768	No
GOM_TRA_1PNPDE20040809_023809_000000442029_00189_12768_0008.N1	09-AUG-2004 02:38:09	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	12768	No
GOM_TRA_1PNPDE20040809_023935_000000482029_00189_12768_0009.N1	09-AUG-2004 02:39:35	Dark	48.000	1	9Alp CMa	-1.4400	11000.	96	12768	No
GOM_TRA_1PNPDE20040809_024250_000000402029_00189_12768_0010.N1	09-AUG-2004 02:42:50	Dark	39.500	23	21Eps CMa	1.5020	26000.	79	12768	No
GOM_TRA_1PNPDE20040809_024939_000000482029_00189_12768_0011.N1	09-AUG-2004 02:49:39	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	12768	No
GOM_TRA_1PNPDE20040809_025431_000000532029_00190_12769_0012.N1	09-AUG-2004 02:54:31	Dark	52.500	157	The1Eri	2.9060	9300.0	105	12769	No
GOM_TRA_1PNPDE20040809_025921_000000462029_00190_12769_0013.N1	09-AUG-2004 02:59:21	Dark	46.000	9	Alp Eri	0.45300	24000.	92	12769	No

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



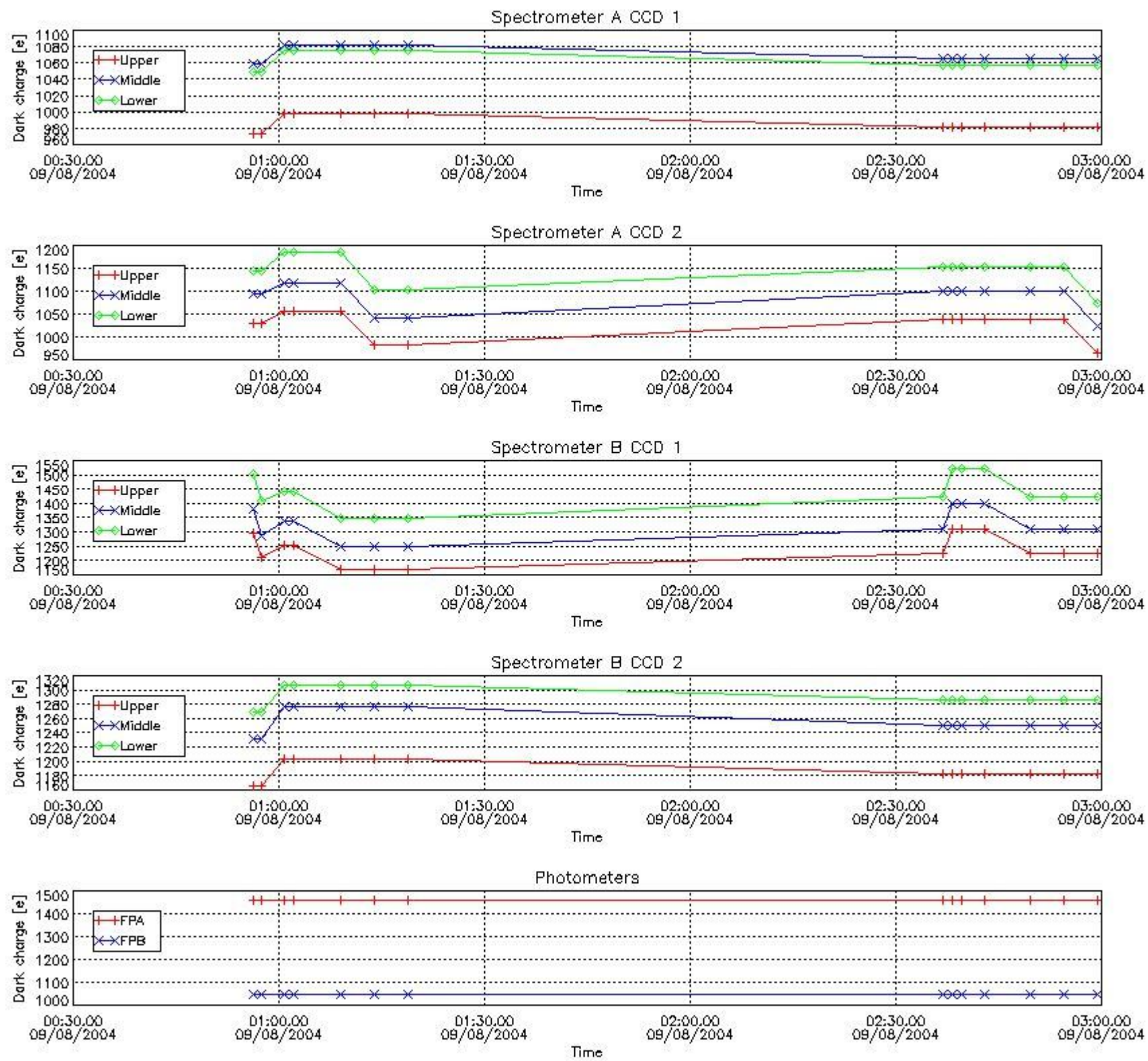
4. Overview of dark signal processing per product

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



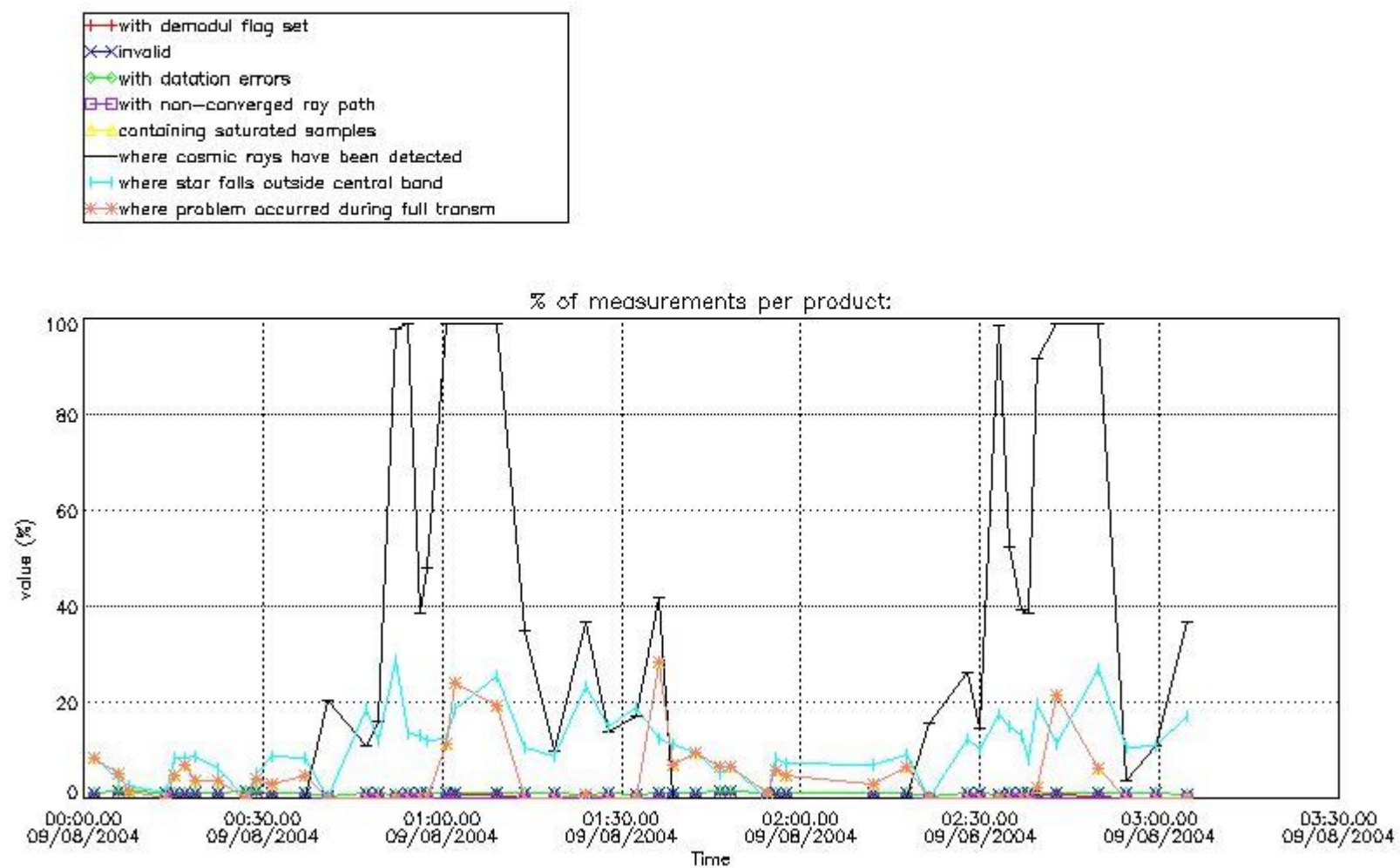
5. Demodulation flag and quality information monitoring

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.

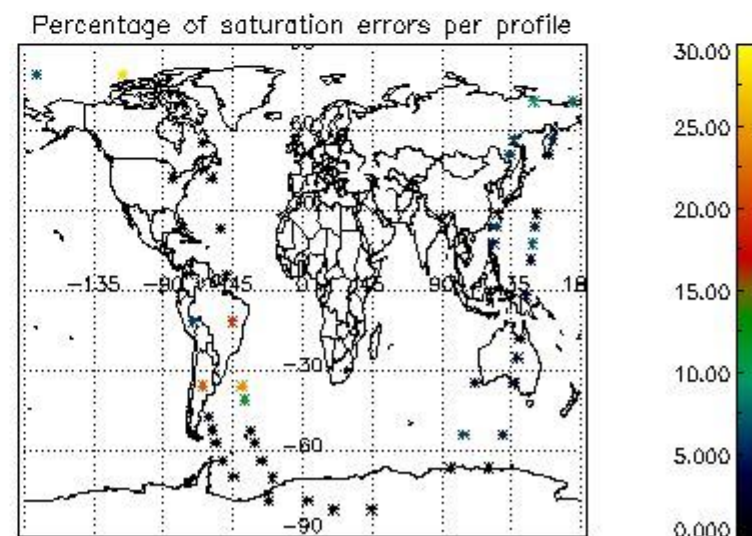
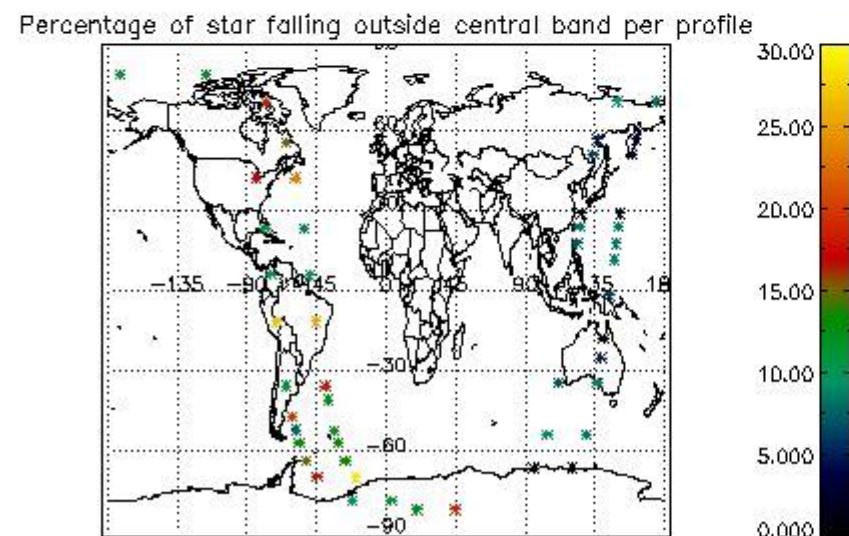
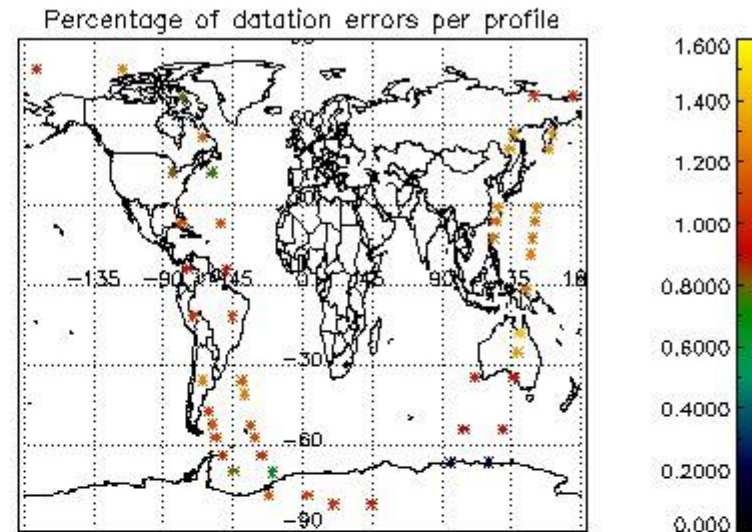
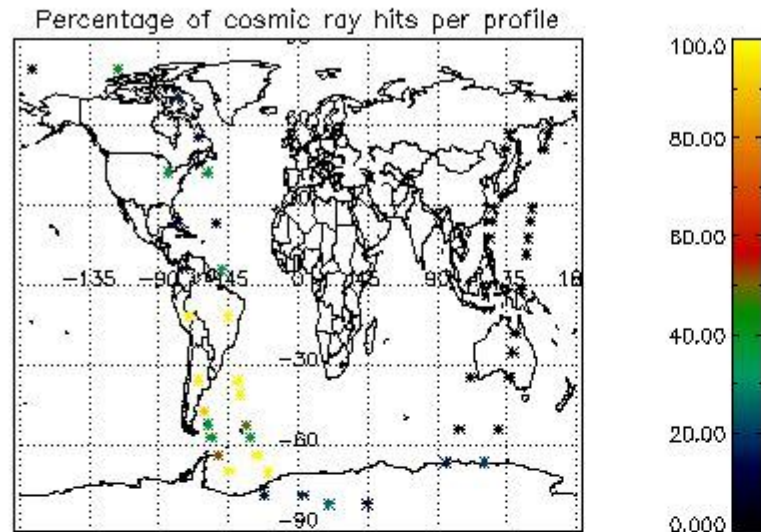
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	28.0000 %
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)



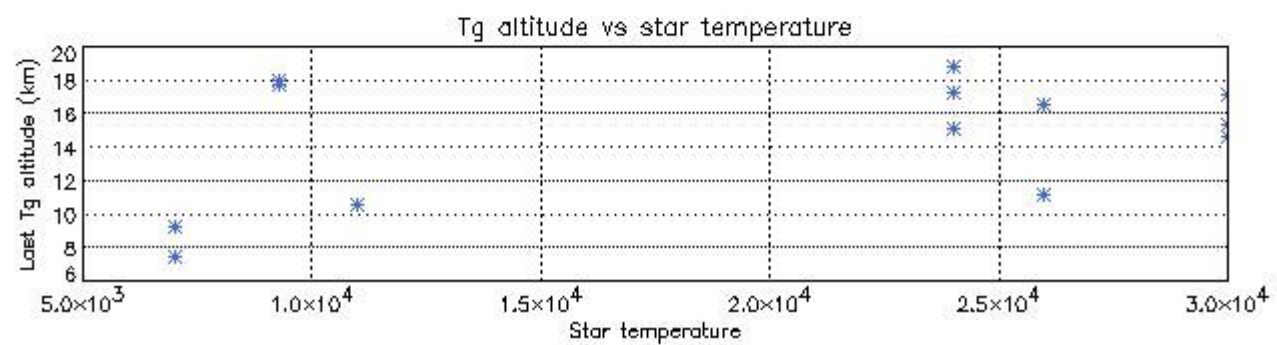
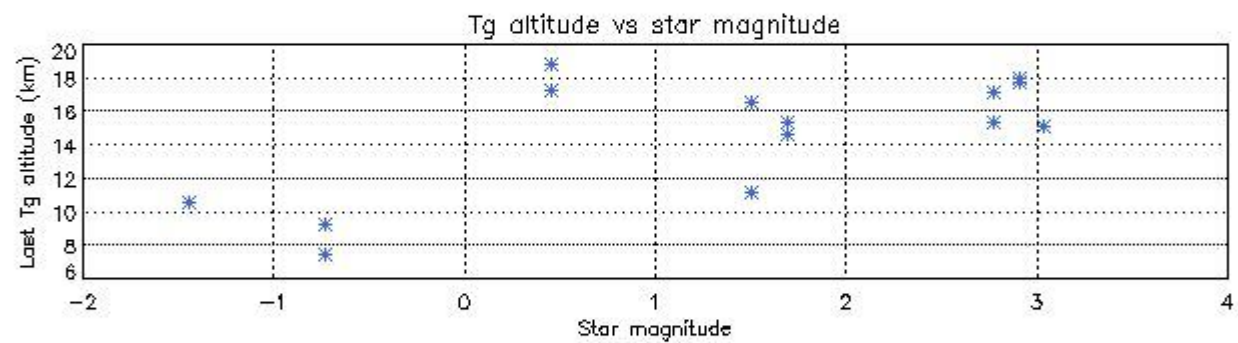
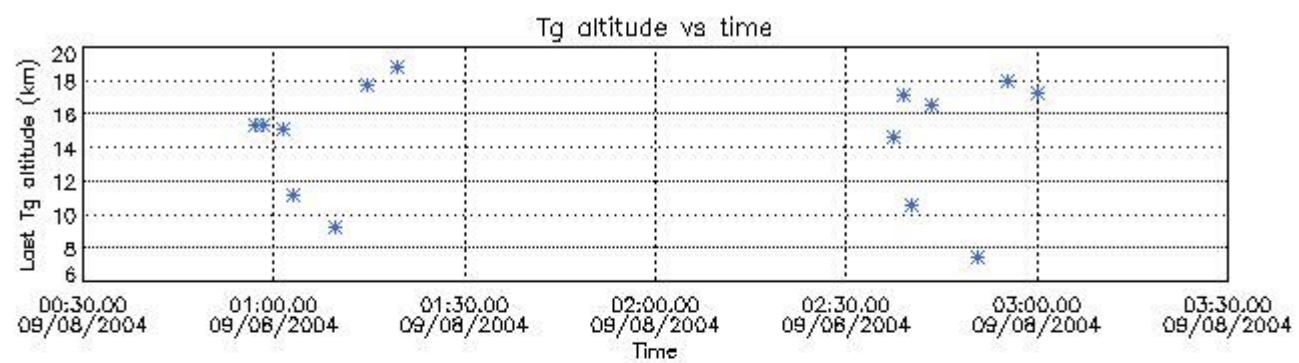
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.568	20.102	15.623
St. deviation:	3.5733	3.5008	7.2881
Maximum:	18.765	28.924	31.114
Minimum:	7.4653	11.590	7.2304
Number of data:	14.000	23.000	13.000

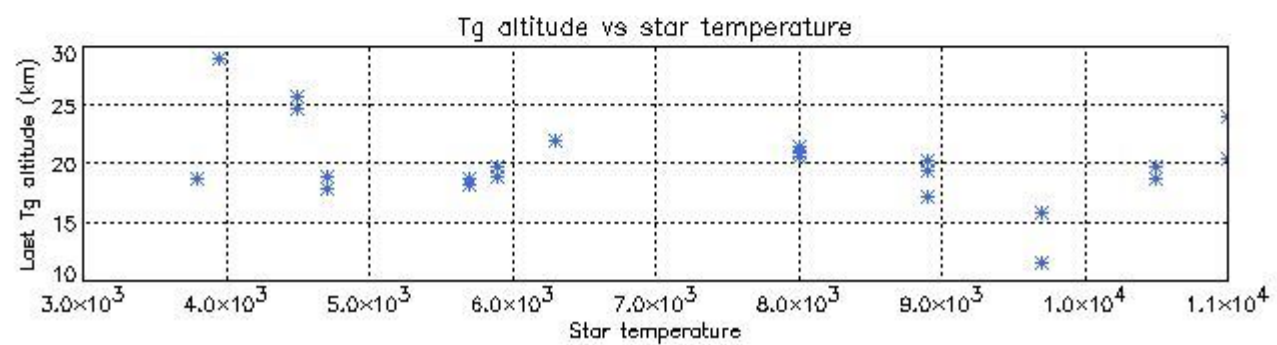
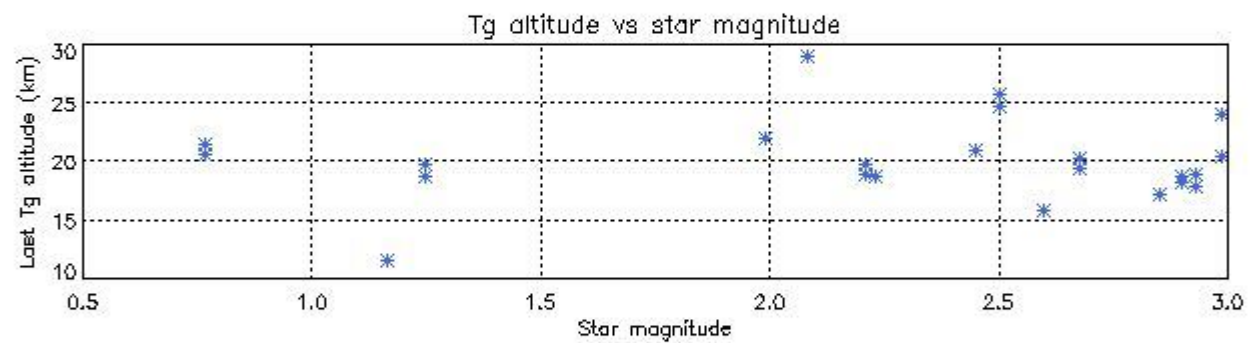
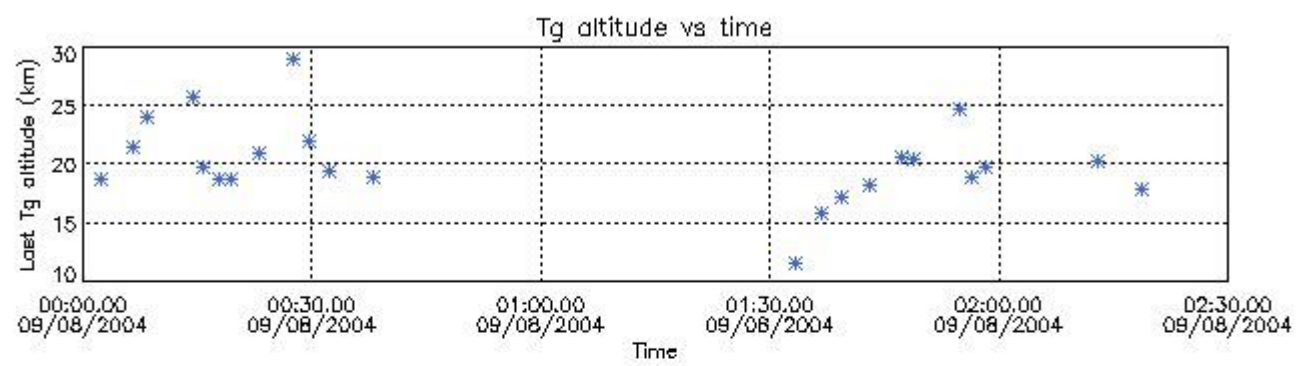
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



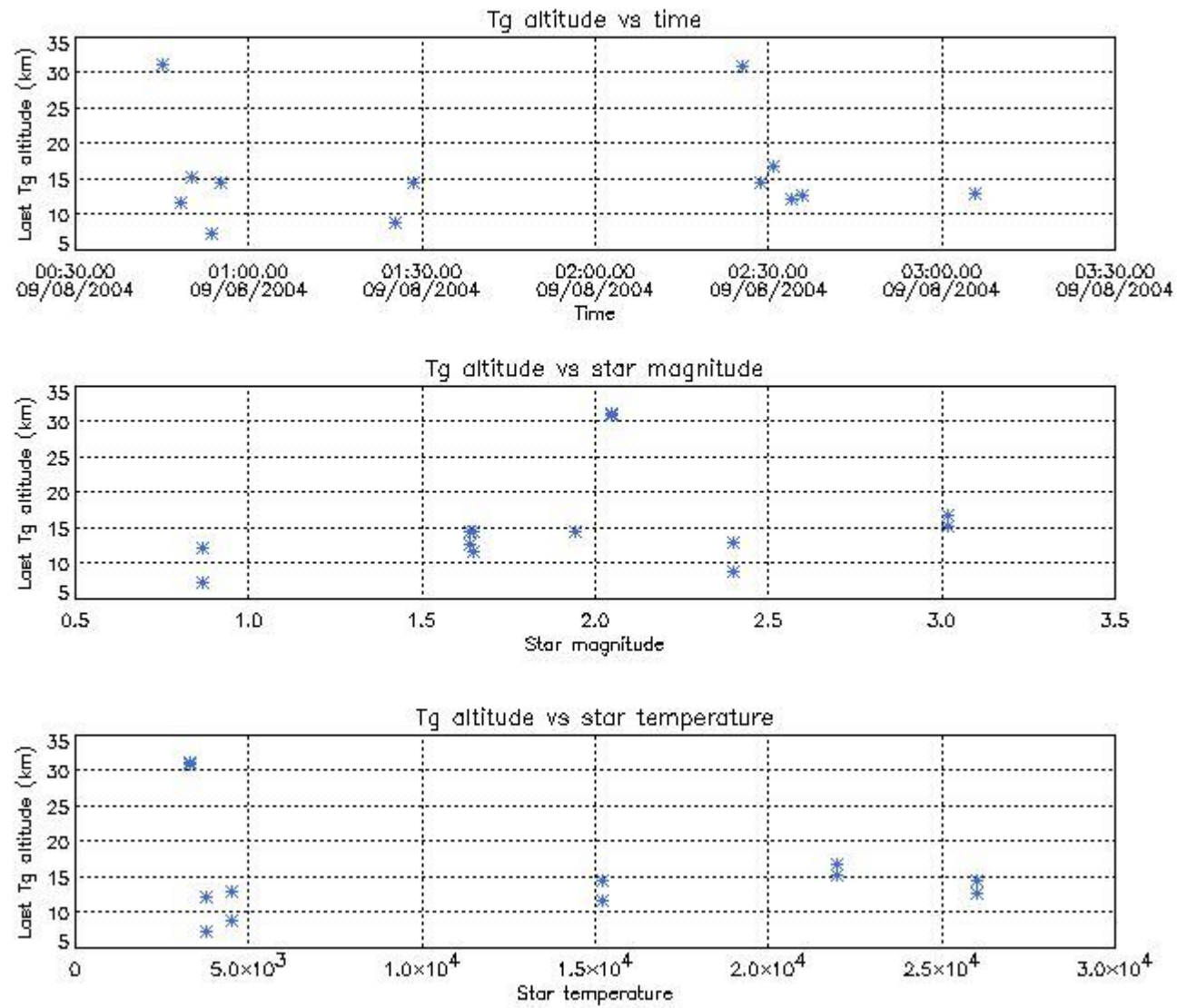
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

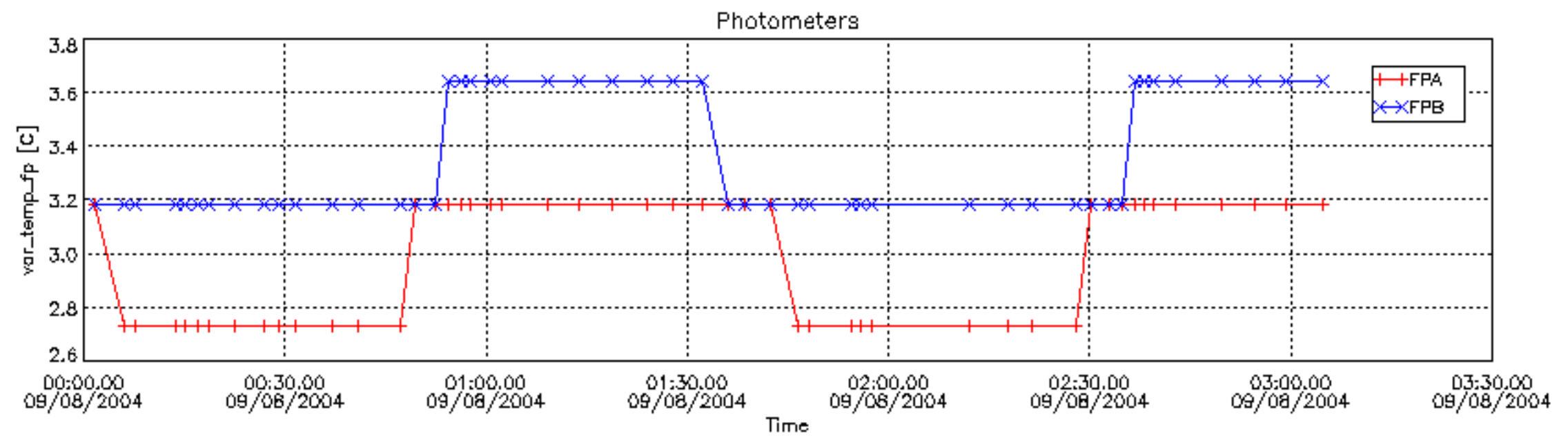
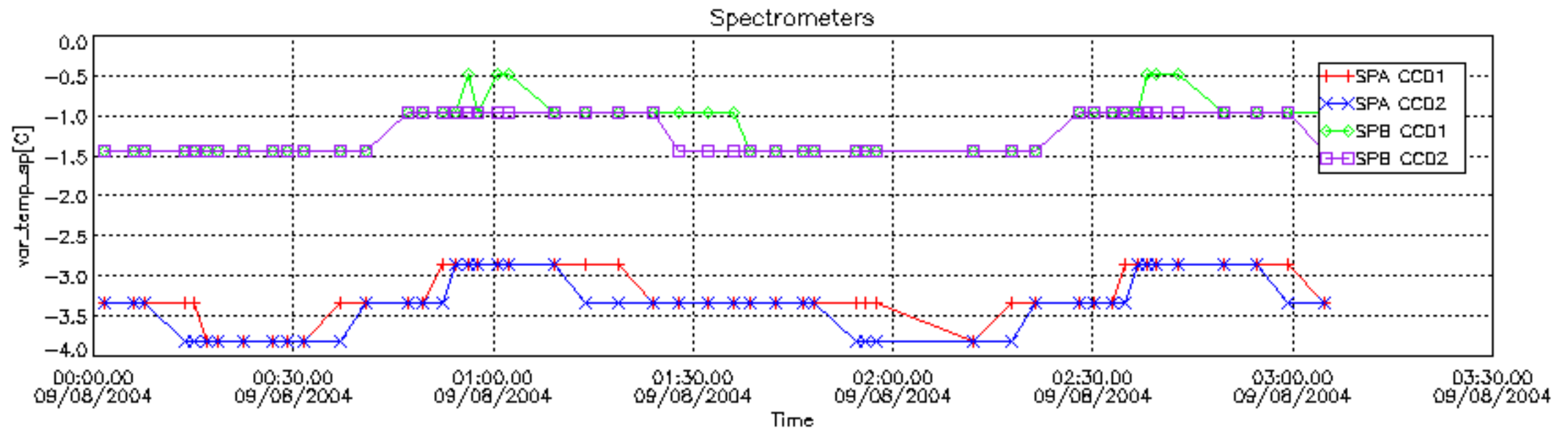
Tangent altitude at which the star is lost

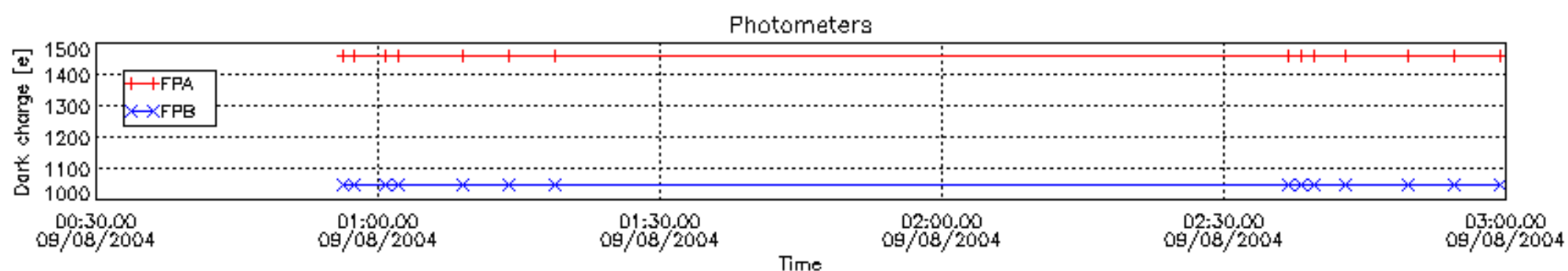
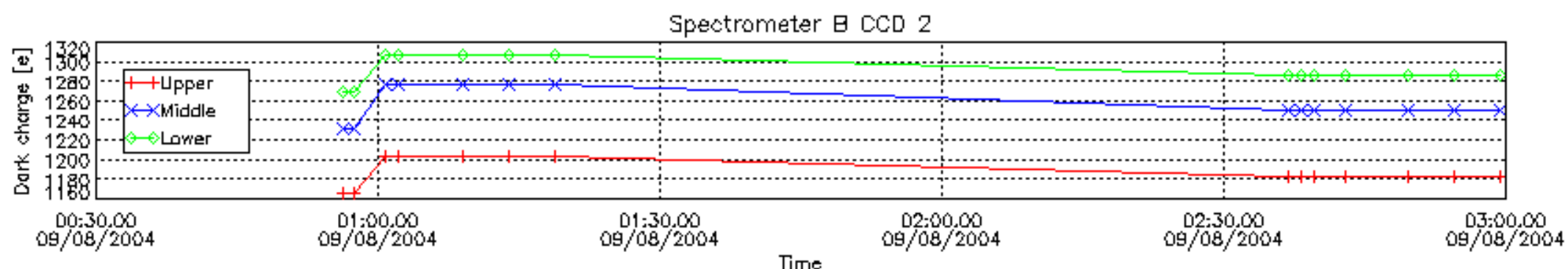
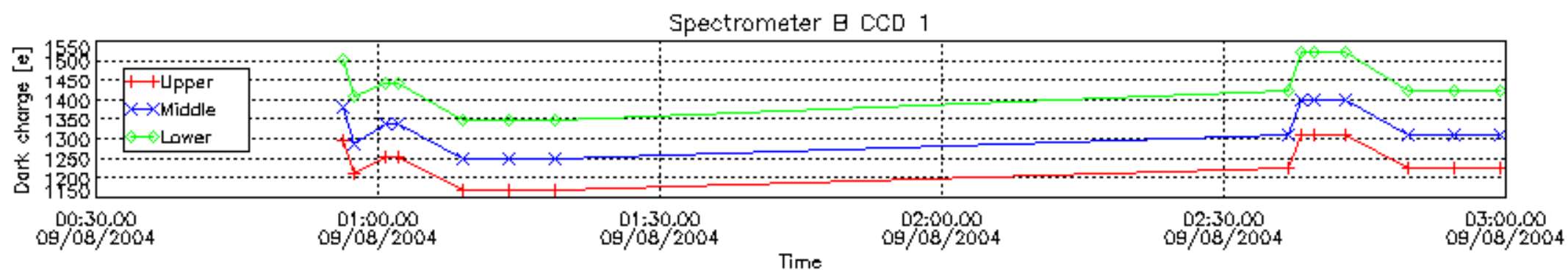
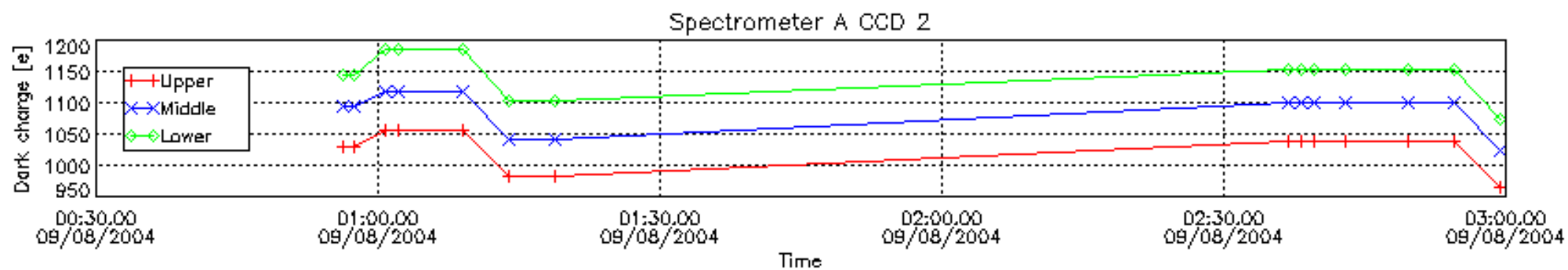
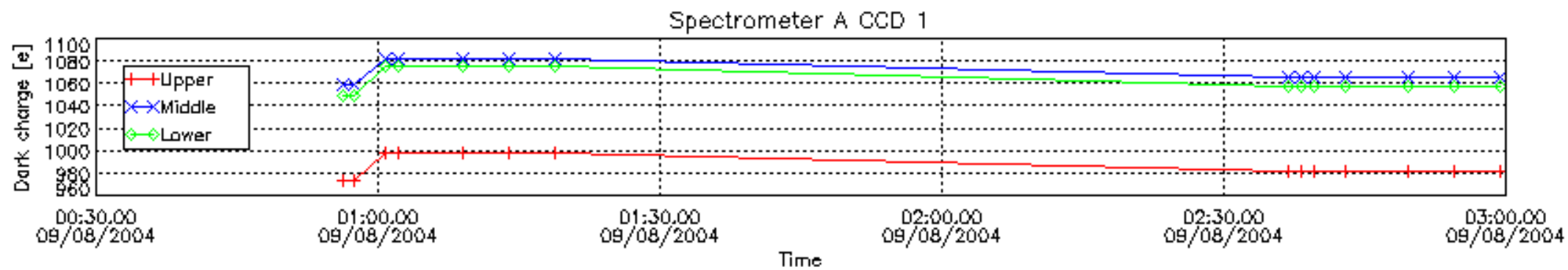


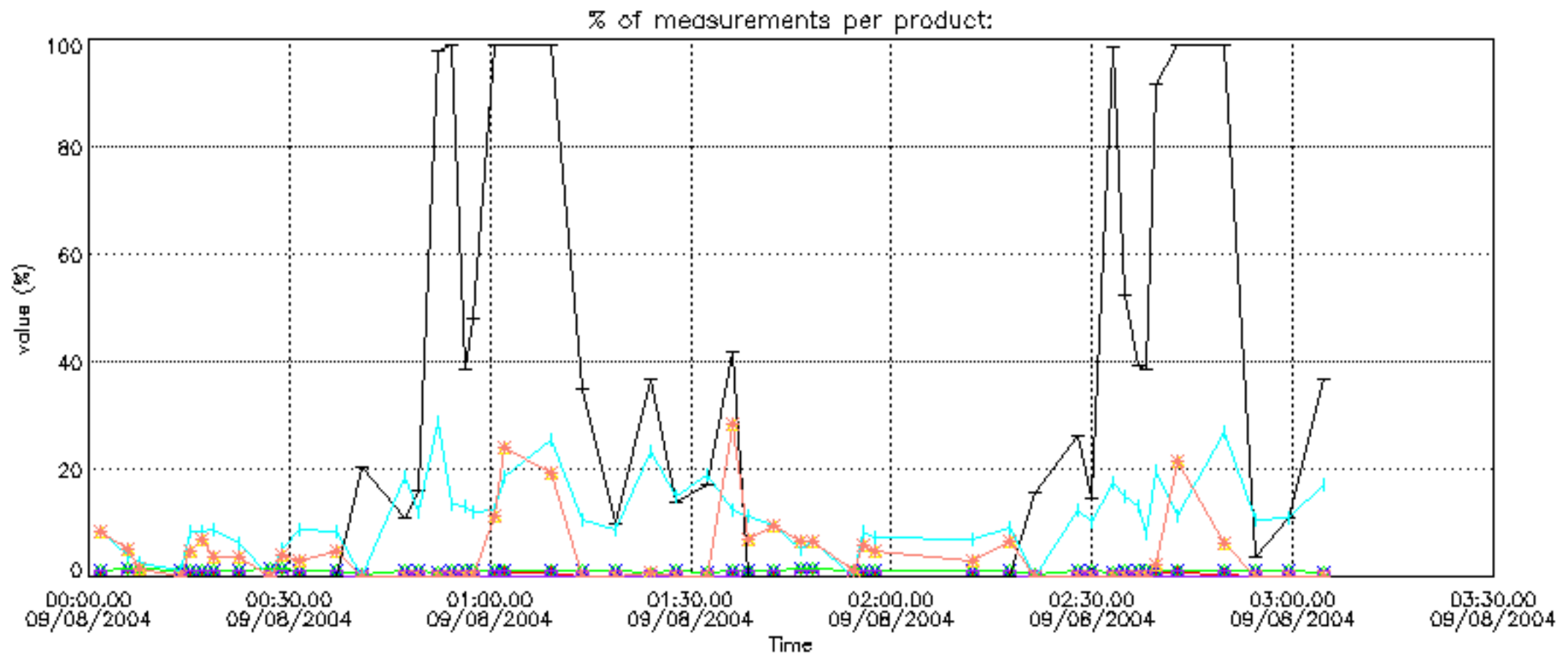
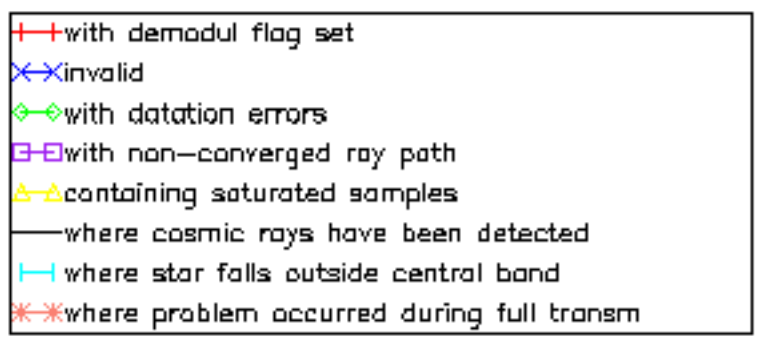
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

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.

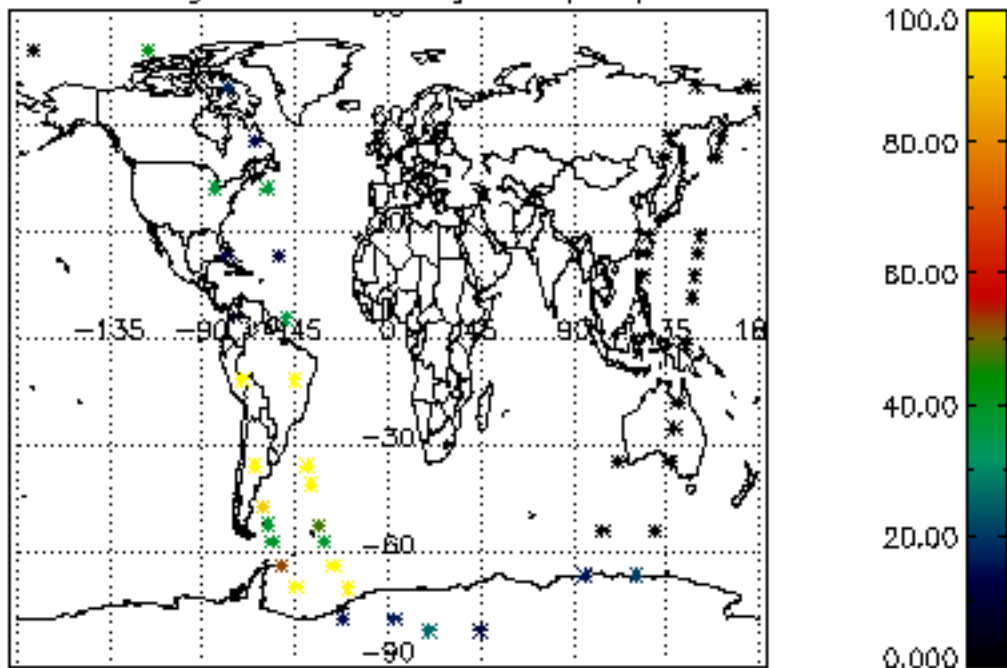
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1460.5	1446.5	1461.8	1447.7
St. deviation:	5.6838	6.8409	7.0122	7.4547
Maximum:	1500.0	1486.0	1507.0	1489.0
Minimum:	1455.0	1424.0	1436.0	1422.0
Number of data:	16500.	16500.	27000.	27000.



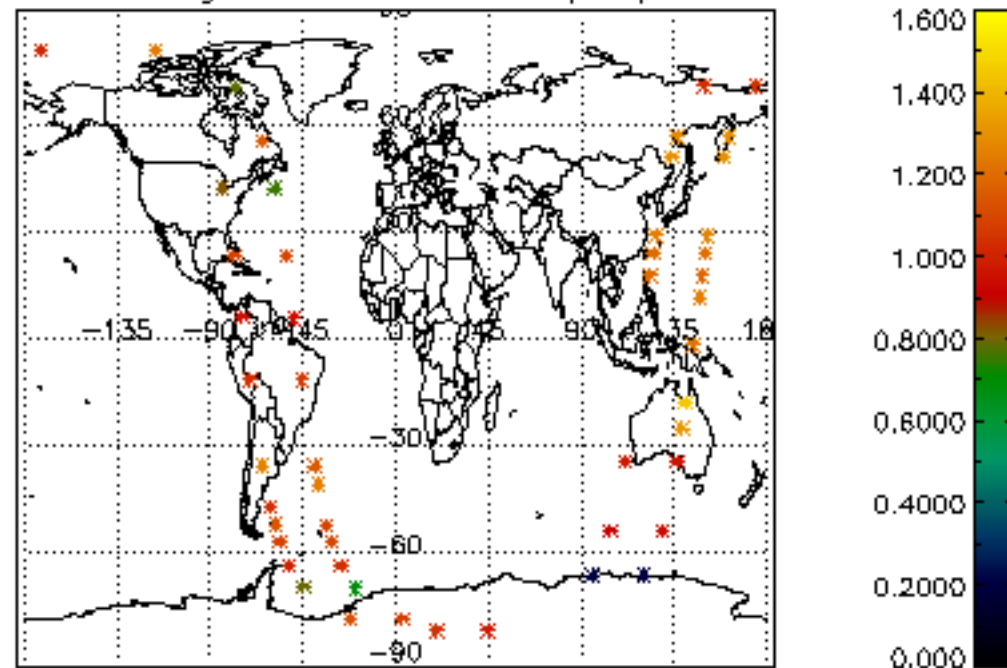




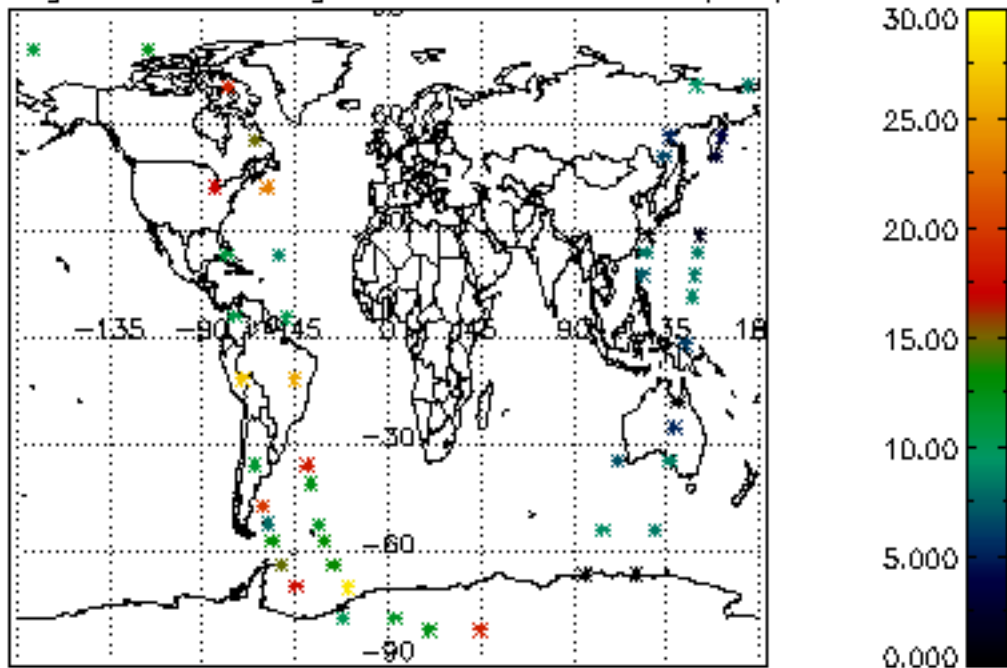
Percentage of cosmic ray hits per profile



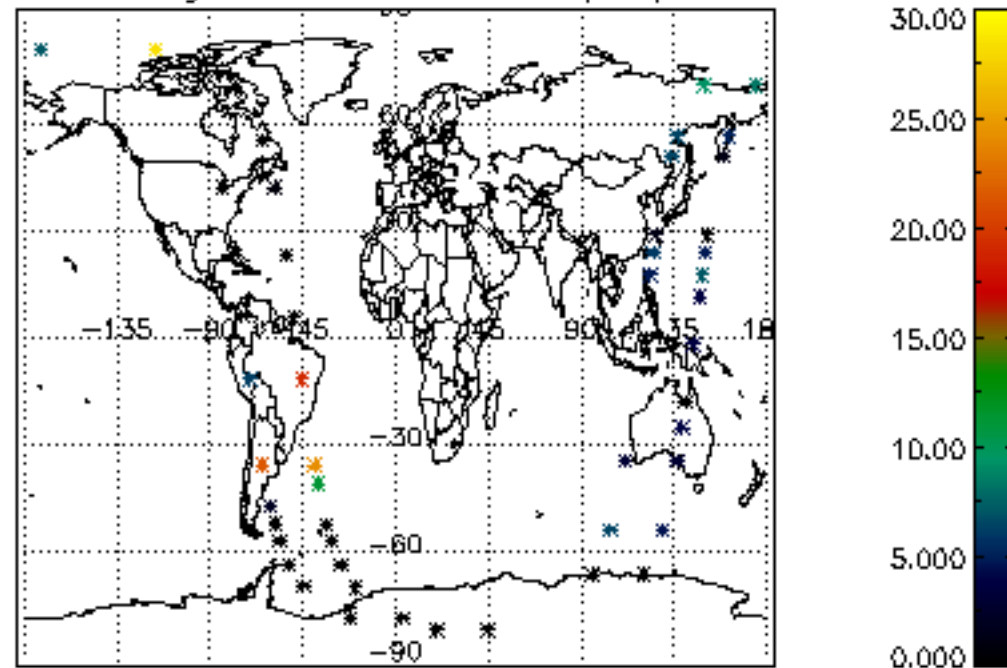
Percentage of datation errors per profile



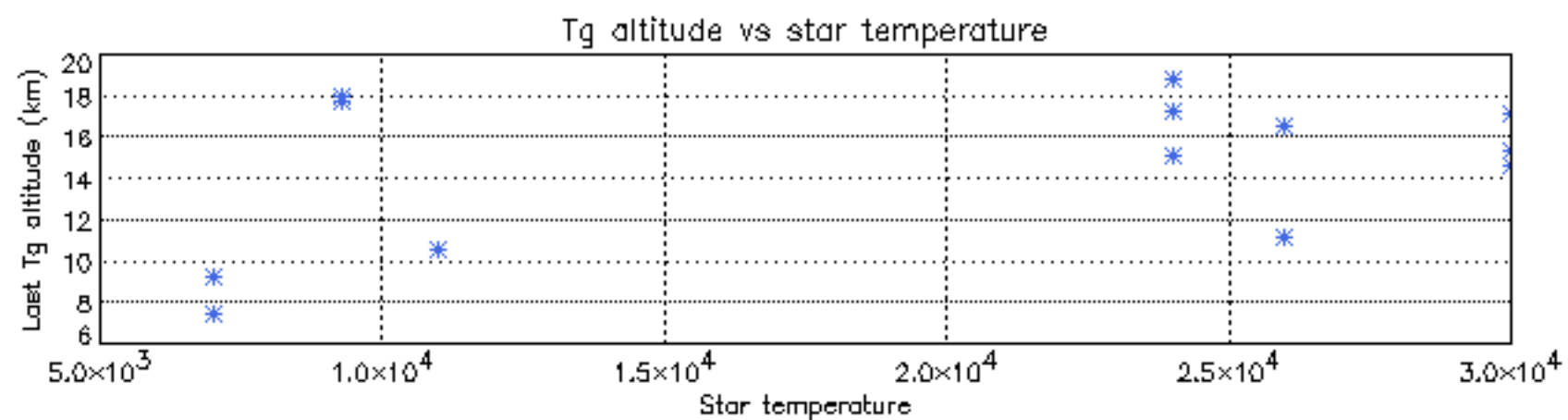
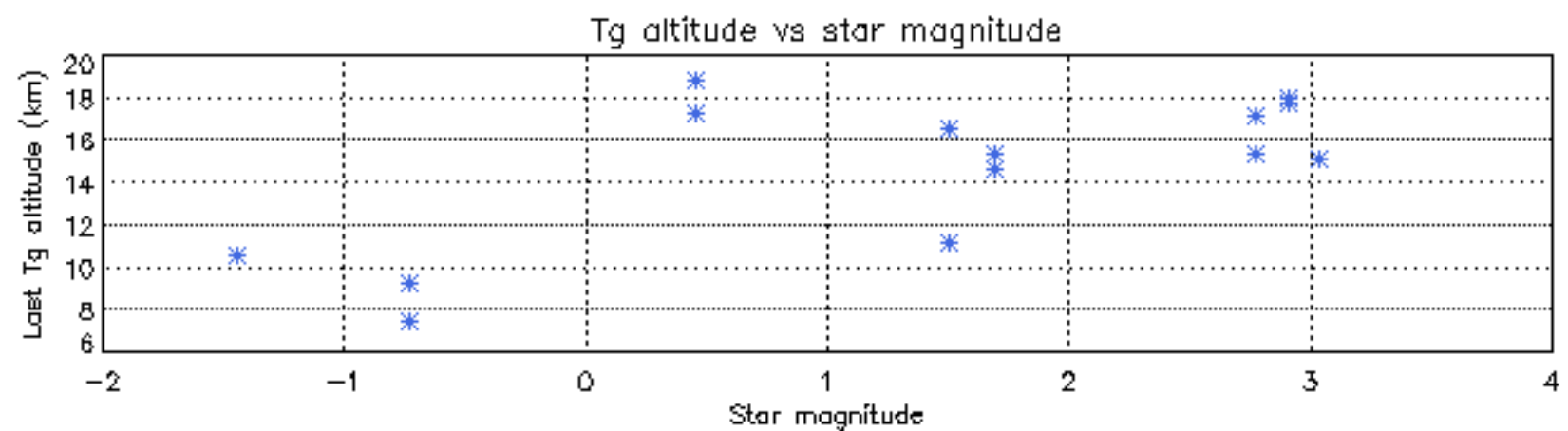
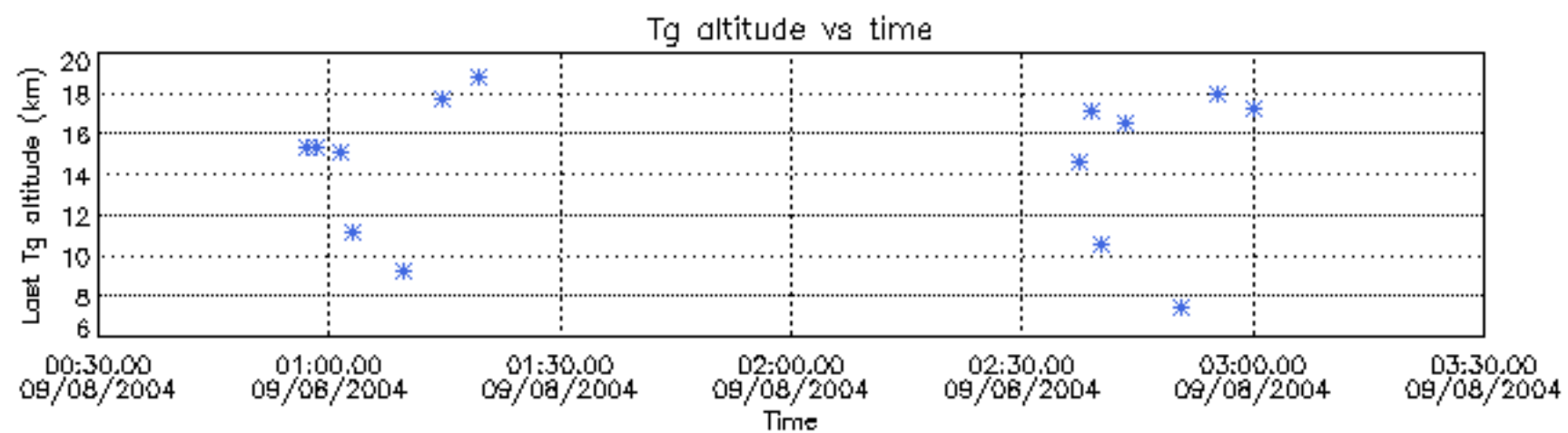
Percentage of star falling outside central band per profile



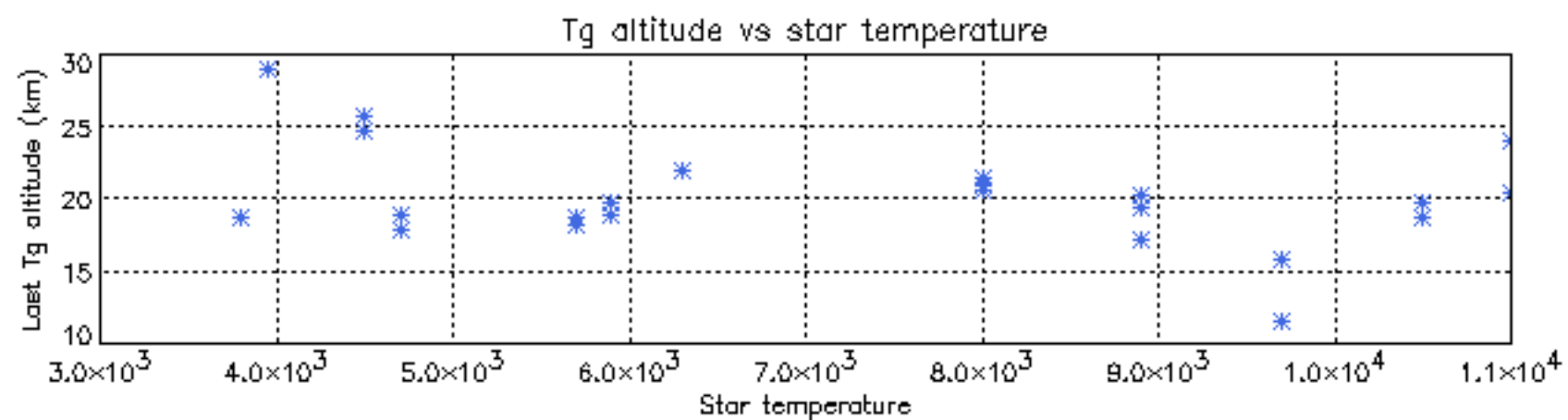
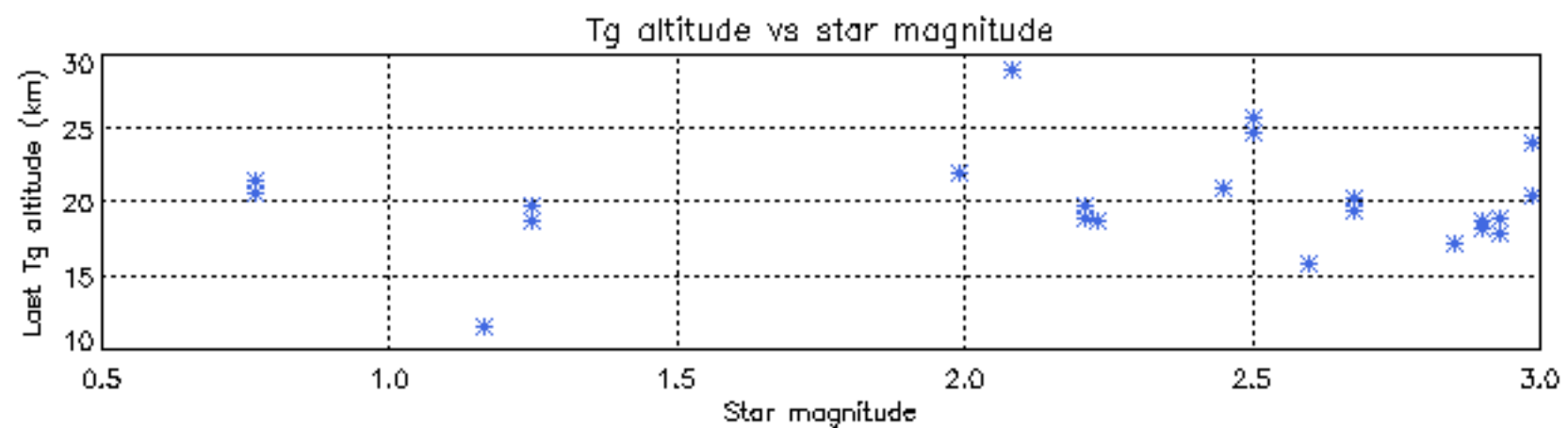
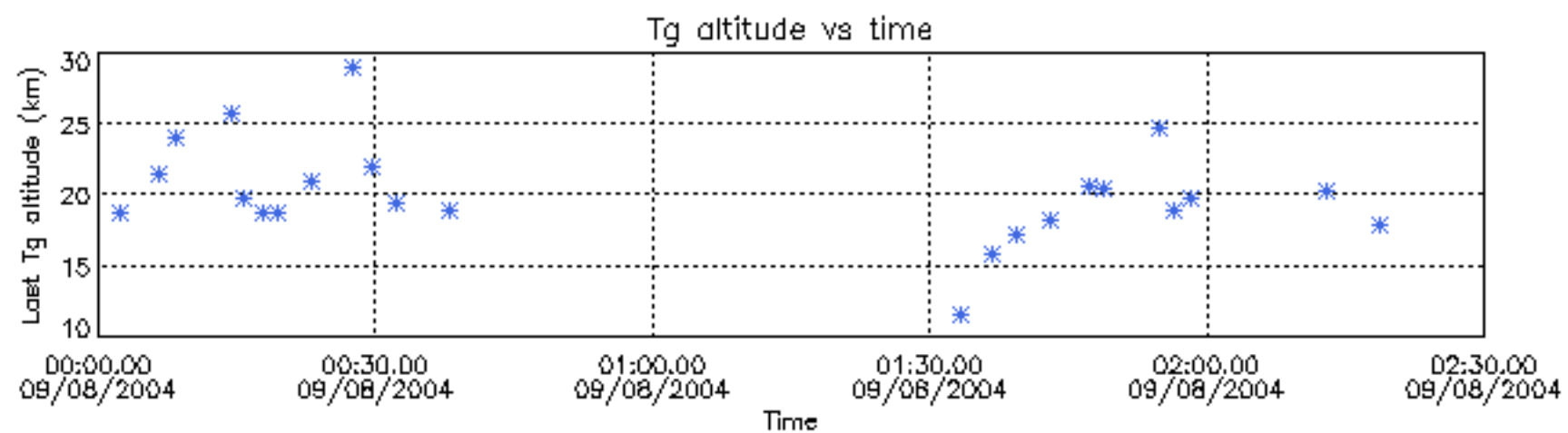
Percentage of saturation errors per profile



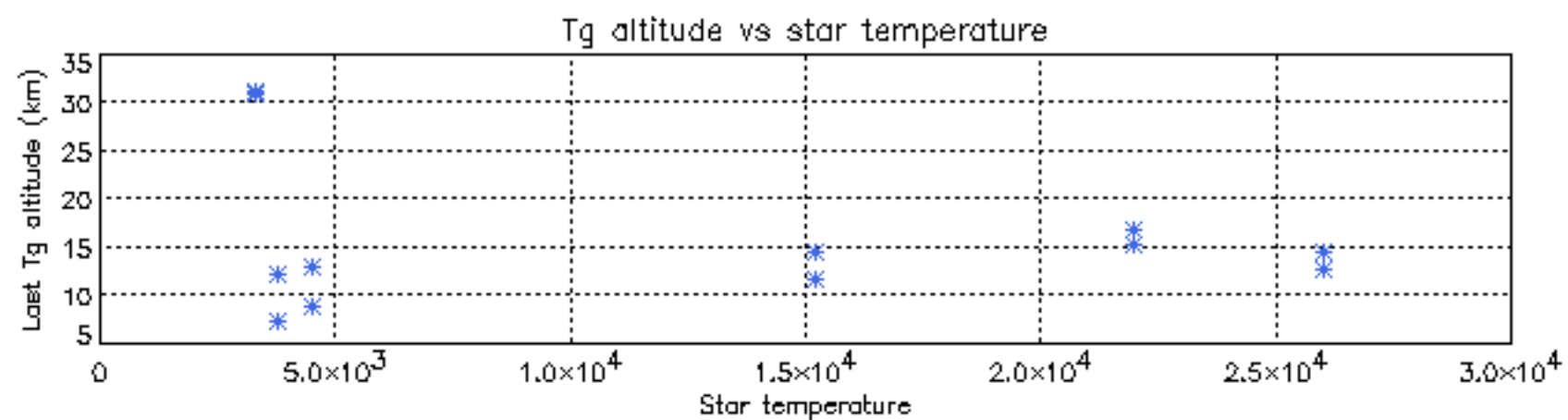
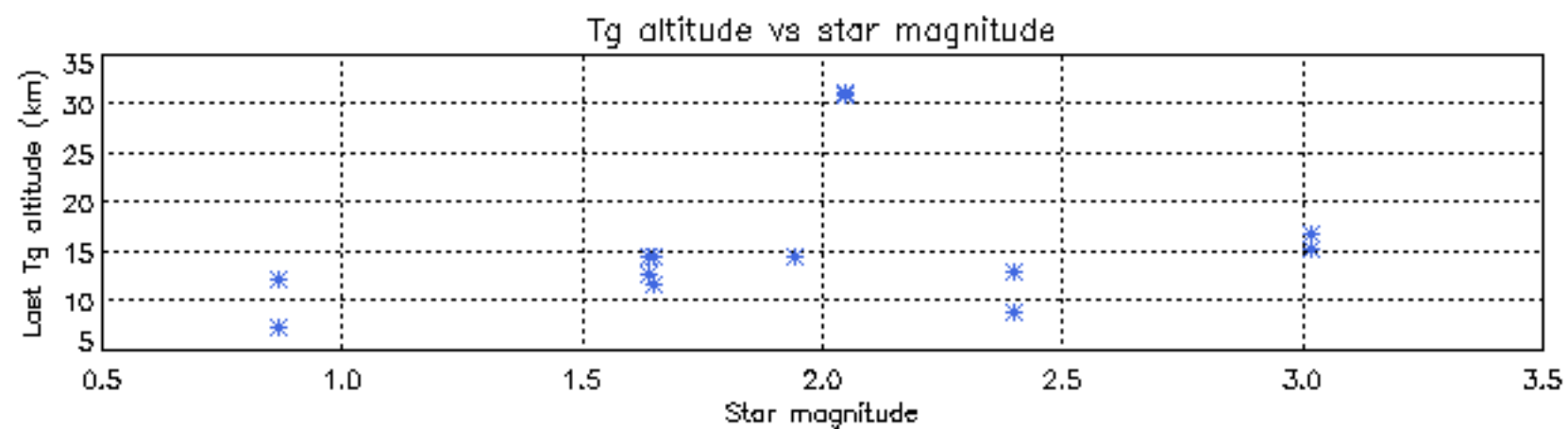
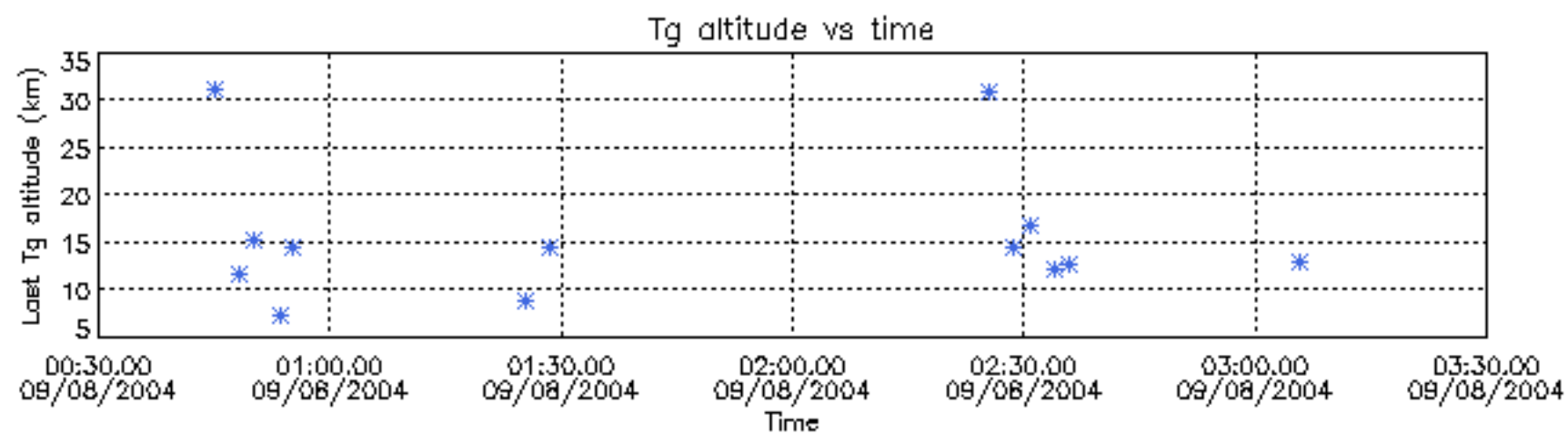
Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost




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16;-1119.8; 02-AUG-2004 09:36:45; Dark ; 41.0; 27; 24Gam Ori ; 1.64; 26000;occ; 82; 0;12672
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18; -924.0; 02-AUG-2004 09:40:01; Dark ; 41.0; 125; 44Iot Ori ; 2.77; 30000;occ; 82; 0;12672
19; -811.7; 02-AUG-2004 09:41:53; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;12672
20; -724.4; 02-AUG-2004 09:43:20; Dark ; 43.0; 101; 11Alp Lep ; 2.58; 7000;occ; 86; 0;12672
21; -566.9; 02-AUG-2004 09:45:58; Dark ; 59.5; 165; 34Gam Eri ; 2.95; 3200;occ; 119; 0;12672
22; -285.4; 02-AUG-2004 09:50:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12672
23; -2.0; 02-AUG-2004 09:55:23; Dark ; 47.5; 157; The1Eri ; 2.91; 9300;occ; 95; 0;12672
24; 322.3; 02-AUG-2004 10:00:47; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;12673
25; 430.5; 02-AUG-2004 10:02:35; Dark ; 37.5; 135; Bet Hyi ; 2.82; 5800;occ; 75; 0;12673
26; 616.8; 02-AUG-2004 10:05:41; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;12673
27; 727.0; 02-AUG-2004 10:07:32; Dark ; 44.5; 148; Alp Tuc ; 2.88; 4100;occ; 89; 0;12673
28; 862.1; 02-AUG-2004 10:09:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;12673
29; 1147.4; 02-AUG-2004 10:14:32; Dark ; 67.5; 18; 24Alp PsA ; 1.17; 9700;occ; 135; 0;12673
30; 1416.3; 02-AUG-2004 10:19:01; Dark ; 52.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 104; 0;12673
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3;-3890.5; 02-AUG-2004 10:31:10; Bright; 36.0; 168; 17Zet Aql ; 2.99; 11000;occ; 72; 0;12673
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5;-3347.4; 02-AUG-2004 10:40:13; Bright; 38.5; 144; 18Del Cyg ; 2.86; 11000;occ; 77; 0;12673
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7;-2991.8; 02-AUG-2004 10:46:09; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;12673
8;-2745.6; 02-AUG-2004 10:50:15; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;12673
9;-2596.7; 02-AUG-2004 10:52:44; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;12673
10;-2456.9; 02-AUG-2004 10:55:04; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;12673
11;-2068.0; 02-AUG-2004 11:01:32; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;12673
12;-1895.9; 02-AUG-2004 11:04:25; Bright; 88.5; 73; 57Gam1And ; 2.26; 13100;occ; 177; 0;12673
13;-1737.4; 02-AUG-2004 11:07:03; Dark ; 255.0; 53; 43Bet And ; 2.05; 3300;occ; 510; 0;12673
14;-1392.7; 02-AUG-2004 11:12:48; Dark ; 39.5; 176; 23Zet Tau ; 3.02; 22000;occ; 79; 0;12673
15;-1237.9; 02-AUG-2004 11:15:23; Dark ; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;12673
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17;-1003.9; 02-AUG-2004 11:19:17; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;12673
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19; -811.9; 02-AUG-2004 11:22:29; Dark ; 44.0; 1; 9Alp CMA ; -1.44; 11000;occ; 88; 0;12673
20; -724.2; 02-AUG-2004 11:23:56; Dark ; 43.0; 101; 11Alp Lep ; 2.58; 7000;occ; 86; 0;12673
21; -566.1; 02-AUG-2004 11:26:34; Dark ; 60.0; 165; 34Gam Eri ; 2.95; 3200;occ; 120; 0;12673
22; -284.7; 02-AUG-2004 11:31:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12673
23; -1.3; 02-AUG-2004 11:35:59; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;12673
24; 322.7; 02-AUG-2004 11:41:23; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;12674
25; 430.2; 02-AUG-2004 11:43:11; Dark ; 39.5; 135; Bet Hyi ; 2.82; 5800;occ; 79; 0;12674
26; 617.6; 02-AUG-2004 11:46:18; Dark ; 59.5; 84; Alp Phe ; 2.40; 4500;occ; 119; 0;12674
27; 727.3; 02-AUG-2004 11:48:08; Dark ; 48.0; 148; Alp Tuc ; 2.88; 4100;occ; 96; 0;12674
28; 862.6; 02-AUG-2004 11:50:23; Dark ; 59.5; 63; Bet Gru ; 2.15; 2800;occ; 119; 0;12674
29; 1147.7; 02-AUG-2004 11:55:08; Dark ; 69.5; 18; 24Alp PsA ; 1.17; 9700;occ; 139; 0;12674
30; 1416.0; 02-AUG-2004 11:59:36; Dark ; 44.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 88; 0;12674
31; 1570.4; 02-AUG-2004 12:02:11; Bright; 51.0; 142; 49Del Cap ; 2.85; 8900;occ; 102; 0;12674
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2;-3979.7; 02-AUG-2004 12:10:17; Bright; 38.5; 11; 53Alp Aql ; 0.76; 8000;occ; 77; 0;12674
3;-3890.5; 02-AUG-2004 12:11:46; Bright; 37.0; 168; 17Zet Aql ; 2.99; 11000;occ; 74; 0;12674
4;-3465.4; 02-AUG-2004 12:18:51; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;12674
5;-3347.7; 02-AUG-2004 12:20:49; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;12674
6;-3235.8; 02-AUG-2004 12:22:41; Bright; 40.0; 69; 33Gam Dra ; 2.23; 3800;occ; 80; 0;12674
7;-2991.9; 02-AUG-2004 12:26:44; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;12674
8;-2744.7; 02-AUG-2004 12:30:52; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;12674
9;-2596.9; 02-AUG-2004 12:33:19; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;12674

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

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Problem occurred when reading packet number 991!

Problem occurred when reading packet number 3241!

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 3;-3979.8; 02-AUG-2004 13:50:52; Bright; 38.5; 11; 53Alp Aql ; 0.76; 8000;occ; 77; 0;12675
 4;-3891.0; 02-AUG-2004 13:52:21; Bright; 36.5; 168; 17Zet Aql ; 2.99; 11000;occ; 73; 0;12675
 5;-3465.1; 02-AUG-2004 13:59:27; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;12675
 6;-3347.6; 02-AUG-2004 14:01:25; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;12675
 7;-3235.4; 02-AUG-2004 14:03:17; Bright; 41.0; 69; 33Gam Dra ; 2.23; 3800;occ; 82; 0;12675
 8;-2991.4; 02-AUG-2004 14:07:21; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;12675
 9;-2743.8; 02-AUG-2004 14:11:28; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;12675
 10;-2596.7; 02-AUG-2004 14:13:56; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;12675
 11;-2458.3; 02-AUG-2004 14:16:14; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;12675
 12;-2067.8; 02-AUG-2004 14:22:45; Bright; 316.0; 160; 23Gam Per ; 2.93; 4700;occ; 632; 547;12675
 13;-144771048.8; 01-JAN-2000 00:46:23; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 90;12675
 14;-144770922.2; 01-JAN-2000 00:48:30; Bright; 87.0; 73; 57Gam1And ; 2.26; 13100;occ; 174; 0;12675
 15;-144770764.8; 01-JAN-2000 00:51:07; Dark ; 255.0; 53; 43Bet And ; 2.05; 3300;occ; 510; 0;12675
 16;-144770416.9; 01-JAN-2000 00:56:55; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;12675
 17;-144770262.1; 01-JAN-2000 00:59:30; Dark ; 65.0; 13; 87Alp Tau ; 0.87; 3800;occ; 130; 0;12675
 18;-144770143.1; 01-JAN-2000 01:01:29; Dark ; 42.0; 27; 24Gam Ori ; 1.64; 26000;occ; 84; 0;12675
 19;-144770028.3; 01-JAN-2000 01:03:24; Dark ; 40.0; 30; 46Eps Ori ; 1.69; 30000;occ; 80; 0;12675
 20;-144769948.4; 01-JAN-2000 01:04:44; Dark ; 39.0; 125; 44Iot Ori ; 2.77; 30000;occ; 78; 0;12675
 21;-144769836.0; 01-JAN-2000 01:06:36; Dark ; 45.0; 1; 9Alp CMA ; -1.44; 11000;occ; 90; 0;12675
 22;-144769748.2; 01-JAN-2000 01:08:04; Dark ; 44.0; 101; 11Alp Lep ; 2.58; 7000;occ; 88; 0;12675
 23;-144769601.1; 01-JAN-2000 01:10:31; Dark ; 39.5; 177; 1Zet CMA ; 3.02; 26000;occ; 79; 0;12675
 24;-144769502.4; 01-JAN-2000 01:12:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;12675
 25;-144769231.6; 01-JAN-2000 01:16:41; Dark ; 51.0; 2; Alp Car ; -0.74; 7000;occ; 102; 0;12675
 26;-144769024.4; 01-JAN-2000 01:20:08; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;12675
 27;-144768701.3; 01-JAN-2000 01:25:31; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;12675
 28;-144768594.9; 01-JAN-2000 01:27:17; Dark ; 41.0; 135; Bet Hyi ; 2.82; 5800;occ; 82; 0;12675
 29;-144768406.0; 01-JAN-2000 01:30:26; Dark ; 65.0; 84; Alp Phe ; 2.40; 4500;occ; 130; 0;12675
 30;-144768297.3; 01-JAN-2000 01:32:15; Dark ; 45.5; 148; Alp Tuc ; 2.88; 4100;occ; 91; 0;12675
 31;-144768092.7; 01-JAN-2000 01:35:40; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 15;12675
 32;-144767876.1; 01-JAN-2000 01:39:16; Dark ; 68.0; 18; 24Alp PsA ; 1.17; 9700;occ; 136; 36;12675
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 2;-4465.4; 02-AUG-2004 15:23:23; Bright; 53.5; 142; 49Del Cap ; 2.85; 8900;occ; 107; 0;12676
 3;-4219.2; 02-AUG-2004 15:27:29; Bright; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;12676
 4;-3980.2; 02-AUG-2004 15:31:28; Bright; 39.5; 11; 53Alp Aql ; 0.76; 8000;occ; 79; 0;12676
 5;-3892.0; 02-AUG-2004 15:32:56; Bright; 38.0; 168; 17Zet Aql ; 2.99; 11000;occ; 76; 0;12676
 6;-3465.5; 02-AUG-2004 15:40:03; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;12676
 7;-3348.0; 02-AUG-2004 15:42:00; Bright; 36.0; 144; 18Del Cyg ; 2.86; 11000;occ; 72; 0;12676
 8;-3235.7; 02-AUG-2004 15:43:53; Bright; 38.0; 69; 33Gam Dra ; 2.23; 3800;occ; 76; 0;12676
 9;-2991.6; 02-AUG-2004 15:47:57; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;12676

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10;-2744.2; 02-AUG-2004 15:52:04; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;12676
11;-2597.0; 02-AUG-2004 15:54:31; Bright; 38.5; 49; 1Alp UMi ; 1.99; 6300;occ; 77; 0;12676
12;-2459.2; 02-AUG-2004 15:56:49; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;12676
13;-2068.1; 02-AUG-2004 16:03:20; Bright; 70.0; 160; 23Gam Per ; 2.93; 4700;occ; 140; 0;12676
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26; 2.1; 02-AUG-2004 16:37:50; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;12677
27; 324.7; 02-AUG-2004 16:43:13; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;12677
28; 430.4; 02-AUG-2004 16:44:59; Dark ; 41.5; 135; Bet Hyi ; 2.82; 5800;occ; 83; 0;12677
29; 620.5; 02-AUG-2004 16:48:09; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;12677
30; 728.2; 02-AUG-2004 16:49:56; Dark ; 43.0; 148; Alp Tuc ; 2.88; 4100;occ; 86; 0;12677
31; 931.9; 02-AUG-2004 16:53:20; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;12677
32; 1149.6; 02-AUG-2004 16:56:58; Dark ; 22.0; 18; 24Alp PsA ; 1.17; 9700;occ; 44; 0;12677
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5; 1151.1; 02-AUG-2004 21:58:47; Dark ; 68.5; 18; 24Alp PsA ; 1.17; 9700;occ; 137; 0;12680
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7; 1569.9; 02-AUG-2004 22:05:46; Bright; 52.5; 142; 49Del Cap ; 2.85; 8900;occ; 105; 0;12680
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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
/data4_2/GOMOS/level0/GOM_NL_0PNPDK20040823_124255_000057772029_00396_12975_0601.N1
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