

GOMOS Daily Report 10-JAN-2004

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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	11JAN2004 06:51:41
Data source version	<Any version>
Start time of products	10-JAN-2004 (10JAN2004 00:00:00)
Stop time of products	11-JAN-2004 (11JAN2004 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

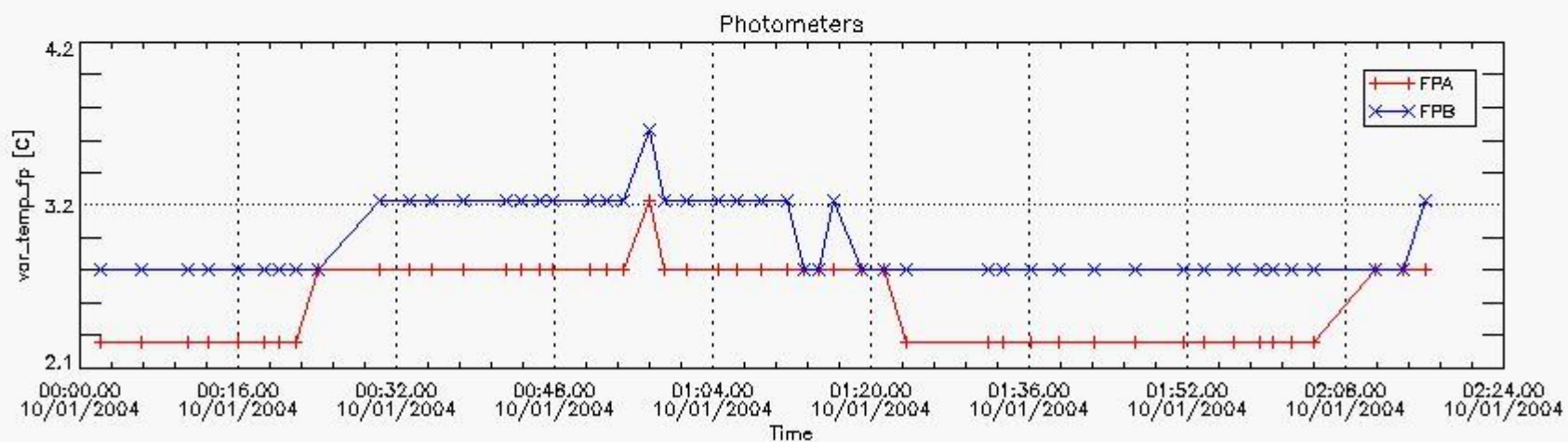
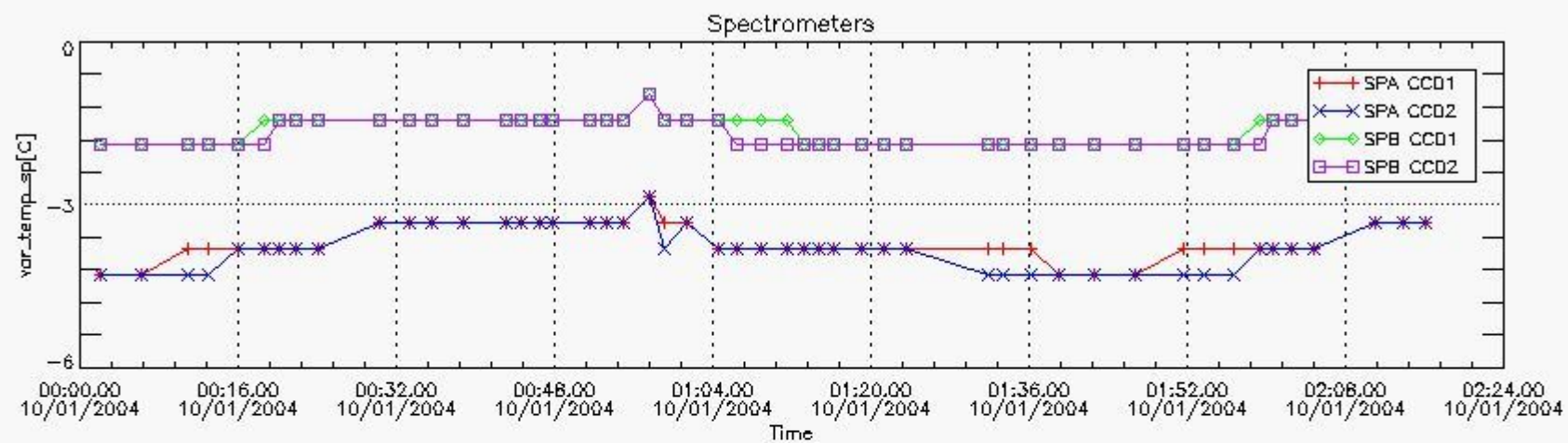
[2.1 Level 0 products arrived in PCF \(see template \[here\]\(#\)\)](#)

[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
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GOM_TRA_1PNPDE20040110_000202_000000362023_00159_09732_0017.N1	10-JAN-2004 00:02:02	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	9732	No
GOM_TRA_1PNPDE20040110_000611_000000752023_00159_09732_0018.N1	10-JAN-2004 00:06:11	Bright	75.000	152	12Alp2CVn	2.8900	11000.	150	9732	No
GOM_TRA_1PNPDE20040110_001057_000000522023_00159_09732_0019.N1	10-JAN-2004 00:10:57	Bright	51.500	83		2.3780	11000.	103	9732	No
GOM_TRA_1PNPDE20040110_001301_000000362023_00159_09732_0020.N1	10-JAN-2004 00:13:01	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	9732	No
GOM_TRA_1PNPDE20040110_001605_000000712023_00159_09732_0021.N1	10-JAN-2004 00:16:05	Bright	71.000	111	8Eta Boo	2.6800	6000.0	142	9732	No
GOM_TRA_1PNPDE20040110_001840_000000402023_00159_09732_0022.N1	10-JAN-2004 00:18:40	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	9732	No
GOM_TRA_1PNPDE20040110_002007_000000382023_00159_09732_0023.N1	10-JAN-2004 00:20:07	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	9732	No
GOM_TRA_1PNPDE20040110_002154_000000502023_00159_09732_0024.N1	10-JAN-2004 00:21:54	Dark	49.500	104	27Bet Lib	2.6140	13100.	99	9732	No
GOM_TRA_1PNPDE20040110_002408_000000482023_00159_09732_0025.N1	10-JAN-2004 00:24:08	Dark	47.500	80	7Del Sco	2.3160	30000.	95	9732	No
GOM_TRA_1PNPDE20040110_003021_000000812023_00159_09732_0026.N1	10-JAN-2004 00:30:21	Dark	80.500	15	67Alp Vir	0.97600	28000.	161	9732	No
GOM_TRA_1PNPDE20040110_003313_000000662023_00159_09732_0027.N1	10-JAN-2004 00:33:13	Dark	65.500	169	46Gam Hya	2.9910	4700.0	131	9732	No
GOM_TRA_1PNPDE20040110_003532_000000452023_00160_09733_0028.N1	10-JAN-2004 00:35:32	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	9733	No
GOM_TRA_1PNPDE20040110_003847_000000422023_00160_09733_0029.N1	10-JAN-2004 00:38:47	Dark	42.000	20	Bet Cru	1.2530	30000.	84	9733	No
GOM_TRA_1PNPDE20040110_004303_000000422023_00160_09733_0030.N1	10-JAN-2004 00:43:03	Dark	41.500	124	The Car	2.7640	30000.	83	9733	No
GOM_TRA_1PNPDE20040110_004438_000000432023_00160_09733_0031.N1	10-JAN-2004 00:44:38	Dark	42.500	29	Bet Car	1.6720	10200.	85	9733	No
GOM_TRA_1PNPDE20040110_004624_000000422023_00160_09733_0032.N1	10-JAN-2004 00:46:24	Dark	41.500	71	lot Car	2.2460	7700.0	83	9733	No
GOM_TRA_1PNPDE20040110_004746_000000492023_00160_09733_0033.N1	10-JAN-2004 00:47:46	Dark	48.500	41	Eps Car	1.8600	4100.0	97	9733	No
GOM_TRA_1PNPDE20040110_005136_000000492023_00160_09733_0034.N1	10-JAN-2004 00:51:36	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	9733	No
GOM_TRA_1PNPDE20040110_005314_000000472023_00160_09733_0035.N1	10-JAN-2004 00:53:14	Dark	47.000	70	Zet Pup	2.2460	39000.	94	9733	No
GOM_TRA_1PNPDE20040110_005503_000000502023_00160_09733_0036.N1	10-JAN-2004 00:55:03	Dark	50.000	117	Pi Pup	2.7060	3800.0	100	9733	No
GOM_TRA_1PNPDE20040110_005739_000000482023_00160_09733_0000.N1	10-JAN-2004 00:57:39	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	9733	Yes
GOM_TRA_1PNPDE20040110_005907_000000472023_00160_09733_0001.N1	10-JAN-2004 00:59:07	Dark	46.500	179	24Omi2CMa	3.0320	24000.	93	9733	No
GOM_TRA_1PNPDE20040110_010127_000000502023_00160_09733_0002.N1	10-JAN-2004 01:01:27	Dark	50.000	1	9Alp CMa	-1.4400	11000.	100	9733	No
GOM_TRA_1PNPDE20040110_010438_000000512023_00160_09733_0003.N1	10-JAN-2004 01:04:38	Dark	50.500	7	19Bet Ori	0.10000	14000.	101	9733	No
GOM_TRA_1PNPDE20040110_010623_000000452023_00160_09733_0004.N1	10-JAN-2004 01:06:23	Dark	44.500	30	46Eps Ori	1.6940	30000.	89	9733	No
GOM_TRA_1PNPDE20040110_010848_000000642023_00160_09733_0005.N1	10-JAN-2004 01:08:48	Dark	63.500	8	10Alp CMi	0.40000	6500.0	127	9733	No
GOM_TRA_1PNPDE20040110_011129_000000492023_00160_09733_0006.N1	10-JAN-2004 01:11:29	Dark	48.500	44	24Gam Gem	1.9280	11000.	97	9733	No
GOM_TRA_1PNPDE20040110_011310_000000462023_00160_09733_0007.N1	10-JAN-2004 01:13:10	Bright	45.500	151	13Mu Gem	2.8900	3000.0	91	9733	No
GOM_TRA_1PNPDE20040110_011446_000000392023_00160_09733_0008.N1	10-JAN-2004 01:14:46	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	9733	No
GOM_TRA_1PNPDE20040110_011613_000000402023_00160_09733_0009.N1	10-JAN-2004 01:16:13	Bright	39.500	114	3lot Aur	2.6930	4600.0	79	9733	No
GOM_TRA_1PNPDE20040110_011859_000000382023_00160_09733_0010.N1	10-JAN-2004 01:18:59	Bright	37.500	149	45Eps Per	2.8880	30000.	75	9733	No
GOM_TRA_1PNPDE20040110_012117_000000372023_00160_09733_0011.N1	10-JAN-2004 01:21:17	Bright	36.500	175	39Del Per	3.0100	19400.	73	9733	No
GOM_TRA_1PNPDE20040110_012333_000000392023_00160_09733_0012.N1	10-JAN-2004 01:23:33	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	9733	No
GOM_TRA_1PNPDE20040110_013155_000000372023_00160_09733_0013.N1	10-JAN-2004 01:31:55	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	9733	No
GOM_TRA_1PNPDE20040110_013324_000000502023_00160_09733_0014.N1	10-JAN-2004 01:33:24	Bright	50.000	36	50Alp UMa	1.8000	6300.0	100	9733	No
GOM_TRA_1PNPDE20040110_013606_000000422023_00160_09733_0015.N1	10-JAN-2004 01:36:06	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	9733	No
GOM_TRA_1PNPDE20040110_013905_000000522023_00160_09733_0016.N1	10-JAN-2004 01:39:05	Bright	51.500	32	77Eps UMa	1.7630	11000.	103	9733	No
GOM_TRA_1PNPDE20040110_014237_000000372023_00160_09733_0017.N1	10-JAN-2004 01:42:37	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	9733	No
GOM_TRA_1PNPDE20040110_014647_000000732023_00160_09733_0018.N1	10-JAN-2004 01:46:47	Bright	72.500	152	12Alp2CVn	2.8900	11000.	145	9733	No
GOM_TRA_1PNPDE20040110_015133_000000512023_00160_09733_0019.N1	10-JAN-2004 01:51:33	Bright	50.500	83		2.3780	11000.	101	9733	No
GOM_TRA_1PNPDE20040110_015338_000000352023_00160_09733_0020.N1	10-JAN-2004 01:53:38	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	9733	No
GOM_TRA_1PNPDE20040110_015642_000000762023_00160_09733_0021.N1	10-JAN-2004 01:56:42	Bright	76.000	111	8Eta Boo	2.6800	6000.0	152	9733	No
GOM_TRA_1PNPDE20040110_015916_000000402023_00160_09733_0022.N1	10-JAN-2004 01:59:16	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	9733	No
GOM_TRA_1PNPDE20040110_020043_000000522023_00160_09733_0023.N1	10-JAN-2004 02:00:43	Bright	52.000	98	13Zet Oph	2.5710	30000.	104	9733	No
GOM_TRA_1PNPDE20040110_020230_000000472023_00160_09733_0024.N1	10-JAN-2004 02:02:30	Dark	47.000	104	27Bet Lib	2.6140	13100.	94	9733	No
GOM_TRA_1PNPDE20040110_020445_000000432023_00160_09733_0025.N1	10-JAN-2004 02:04:45	Dark	42.500	80	7Del Sco	2.3160	30000.	85	9733	No
GOM_TRA_1PNPDE20040110_021059_000000902023_00160_09733_0026.N1	10-JAN-2004 02:10:59	Dark	90.000	15	67Alp Vir	0.97600	28000.	180	9733	No
GOM_TRA_1PNPDE20040110_021350_000000652023_00160_09733_0027.N1	10-JAN-2004 02:13:50	Dark	65.000	169	46Gam Hya	2.9910	4700.0	130	9733	No
GOM_TRA_1PNPDE20040110_021609_000000452023_00161_09734_0028.N1	10-JAN-2004 02:16:09	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	9734	No

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



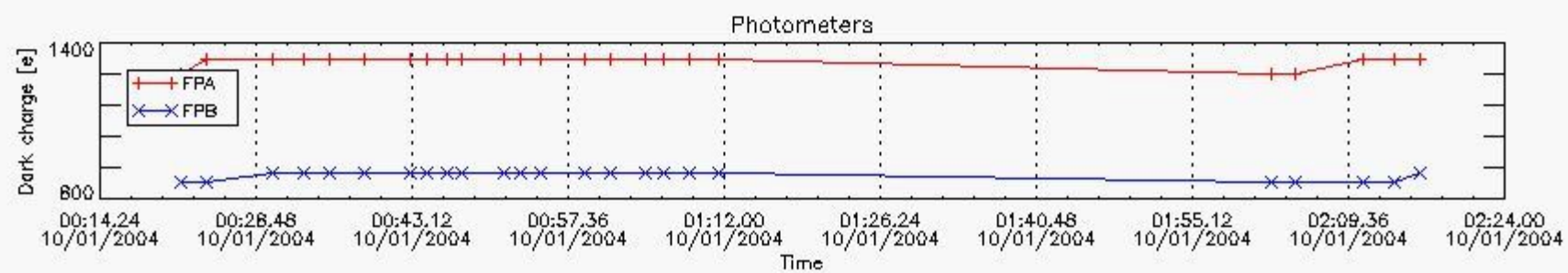
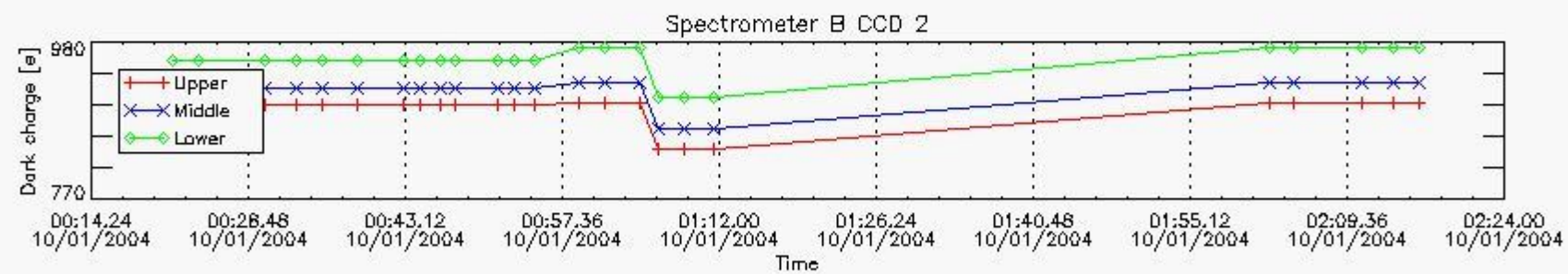
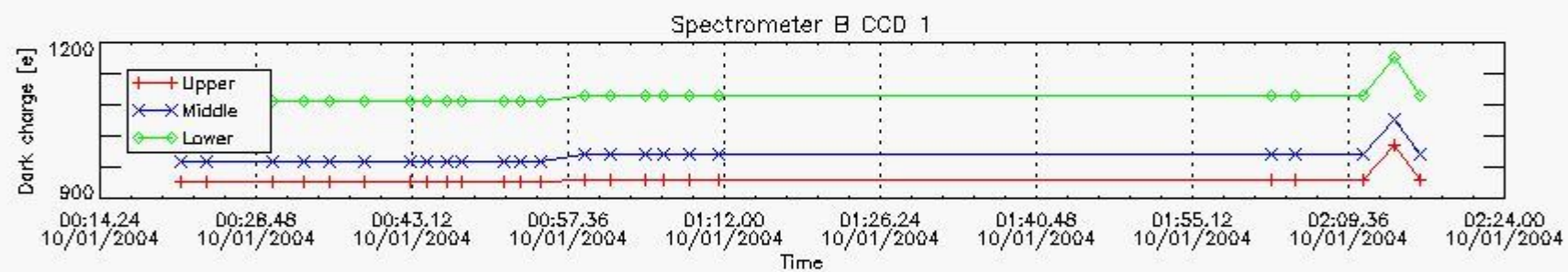
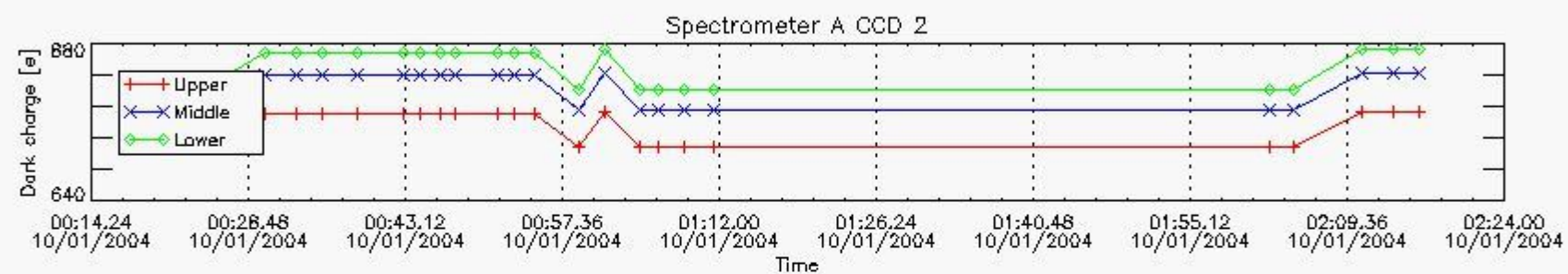
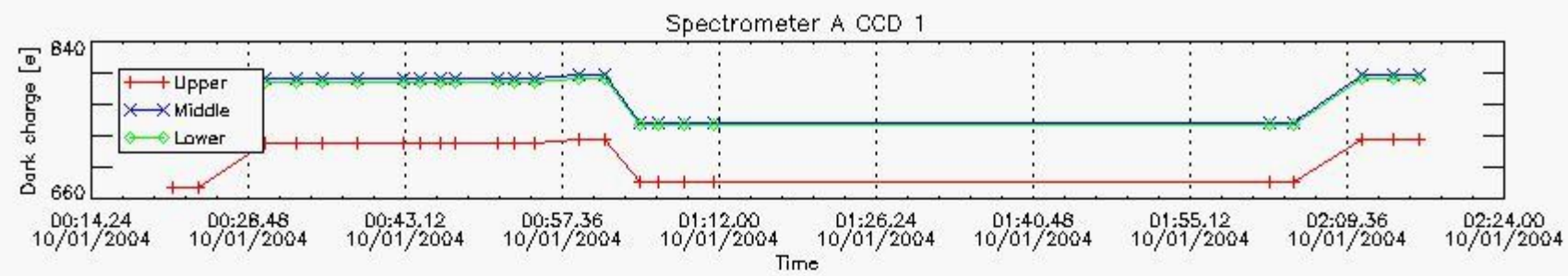
4. Overview of dark signal processing per product

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

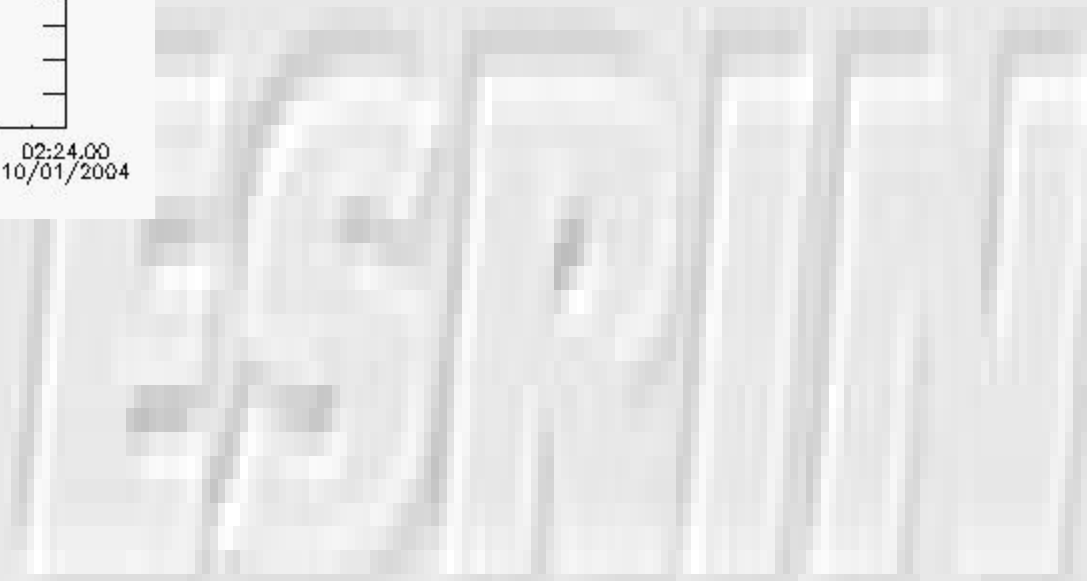
4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used



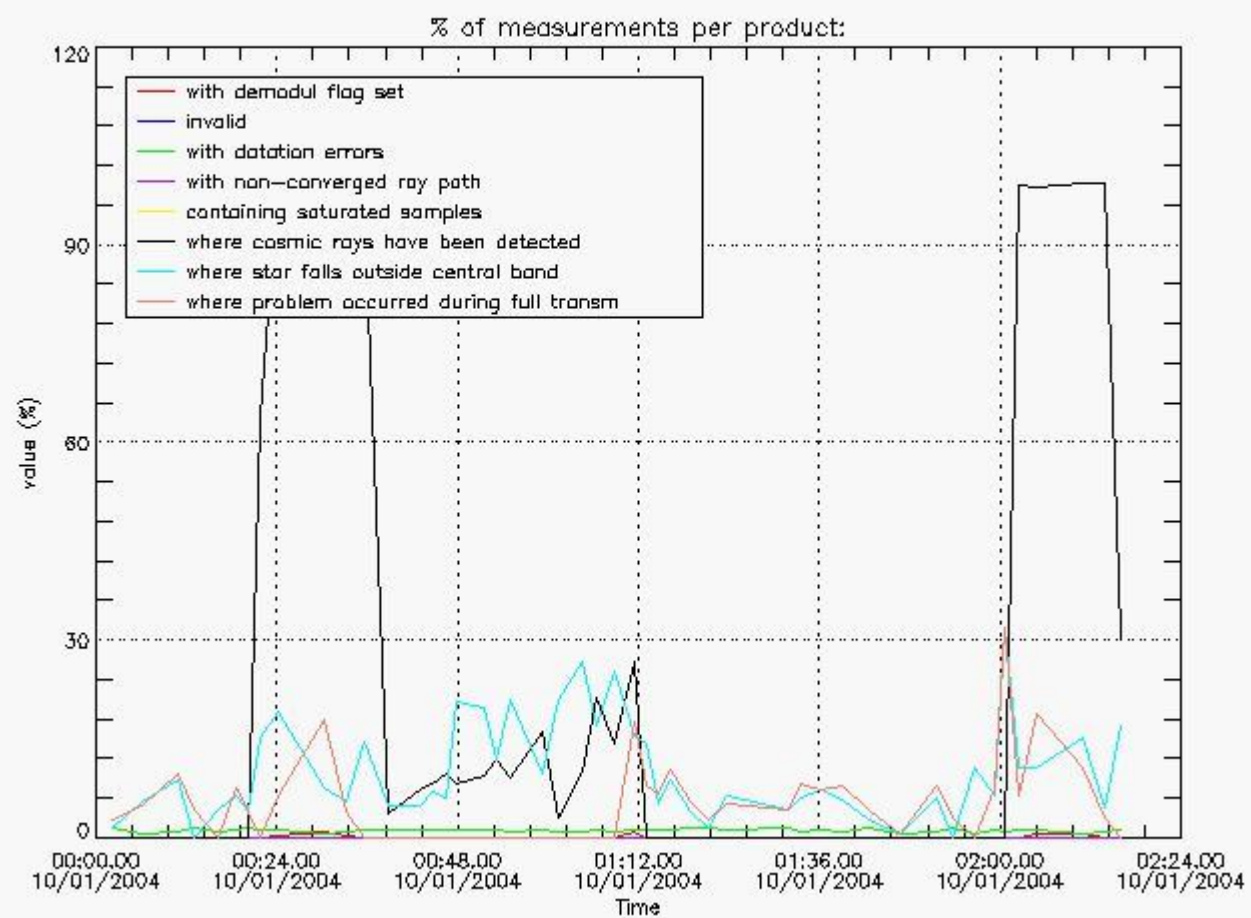
5. Demodulation flag and quality information monitoring

5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	20.8333 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %



5.2 Plot quality information per product



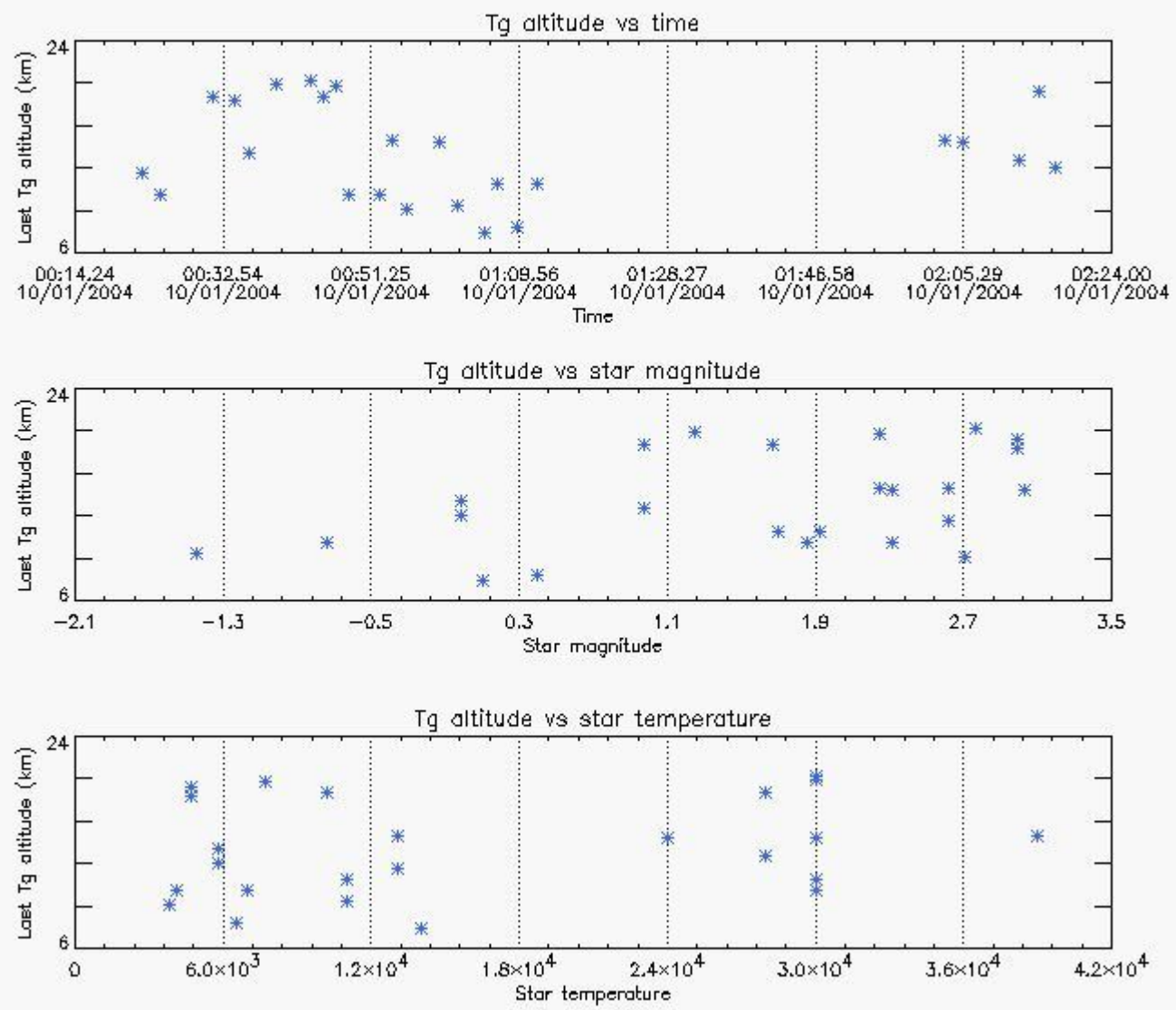
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT
Mean:	14.430	20.062
St. deviation:	4.0927	4.4058
Maximum:	20.618	26.258
Minimum:	7.6424	5.7763
Number of data:	24.000	24.000

6.2 Plot for DARK limb products

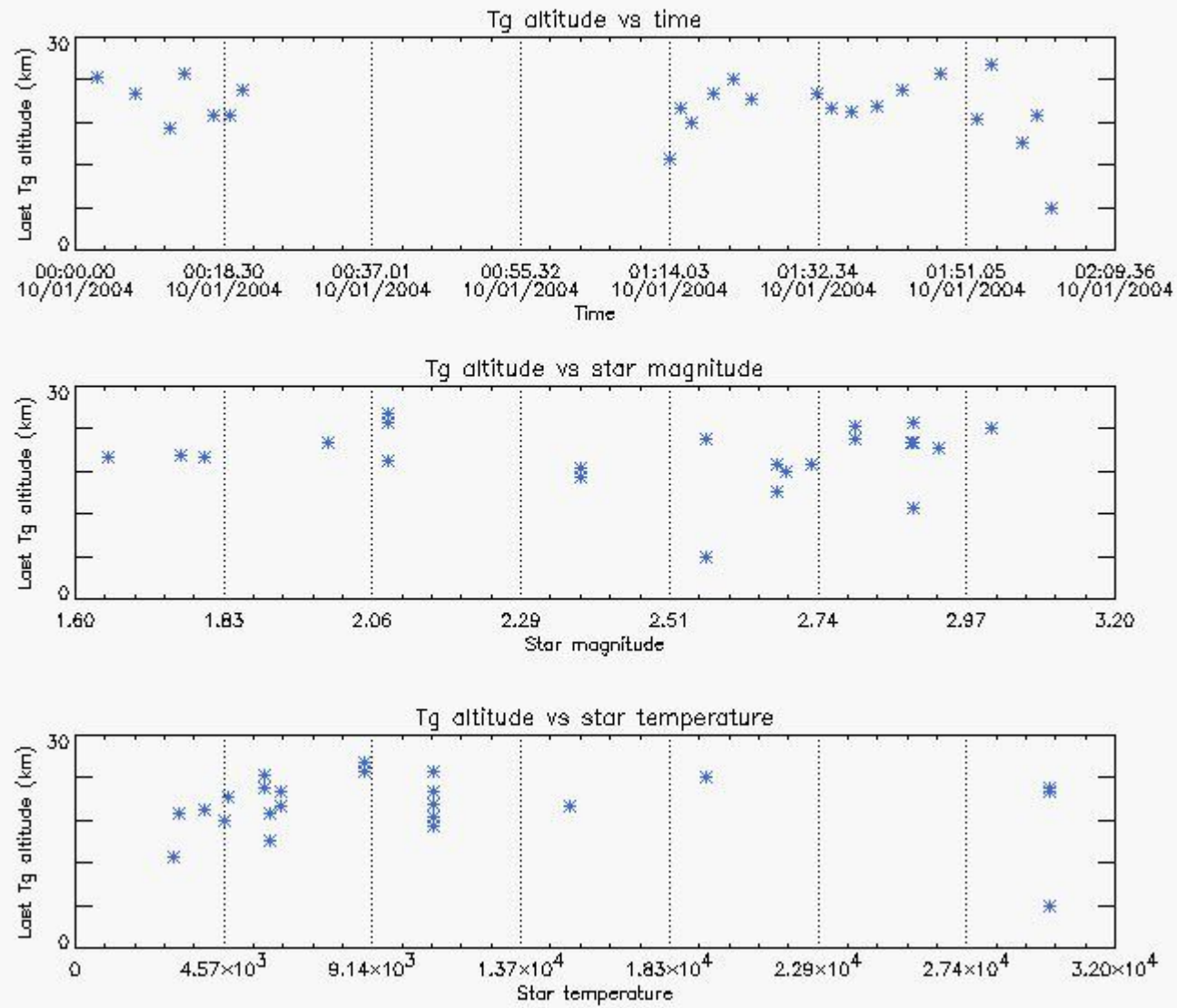
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



Tangent altitude at which the star is lost



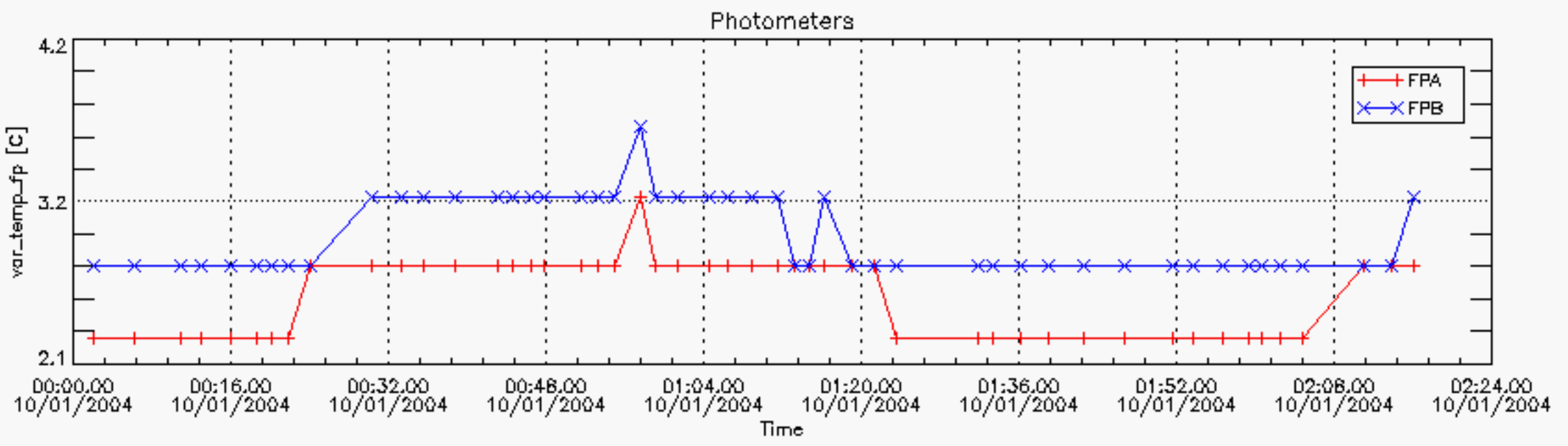
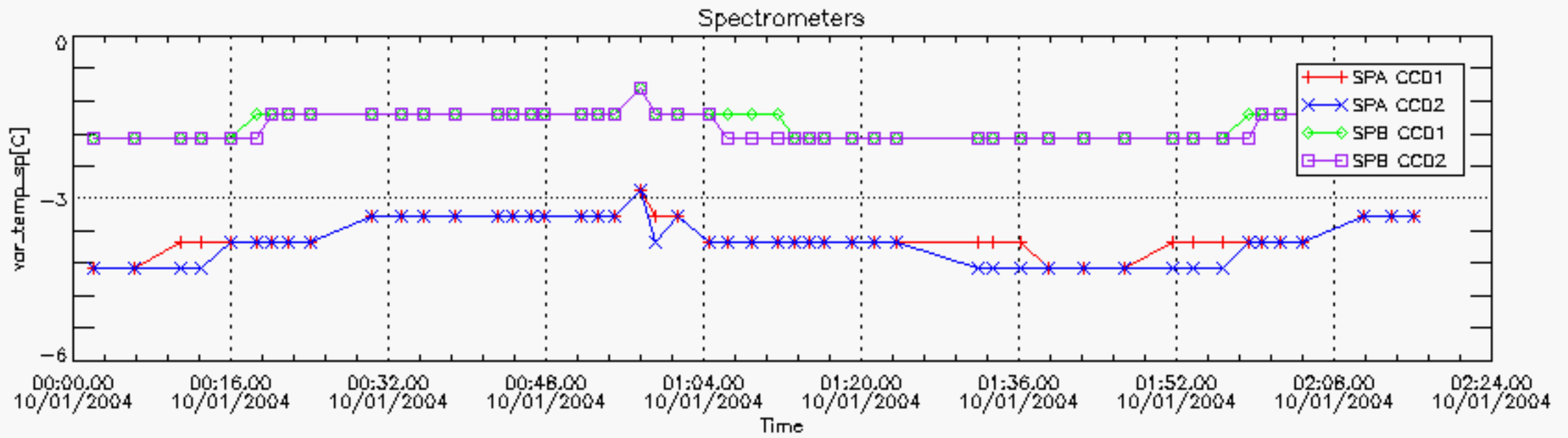
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

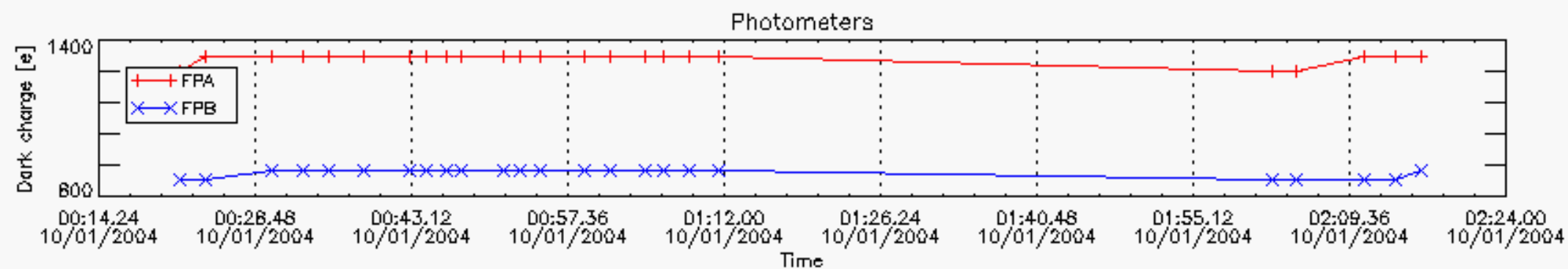
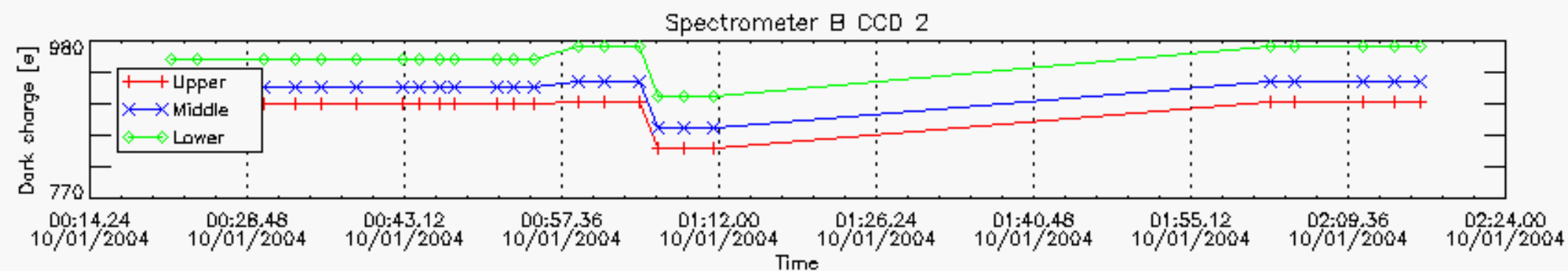
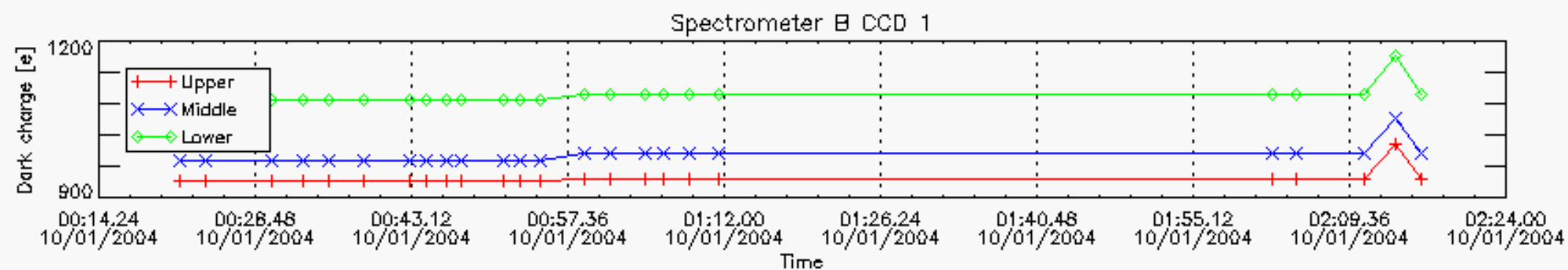
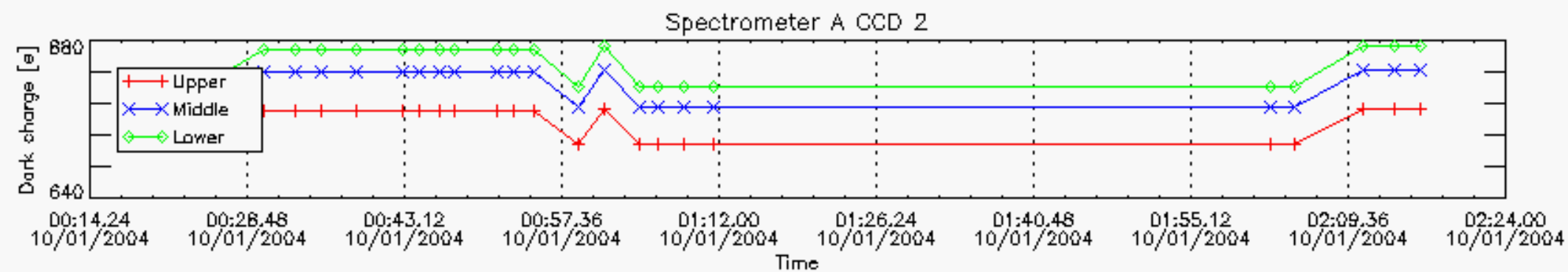
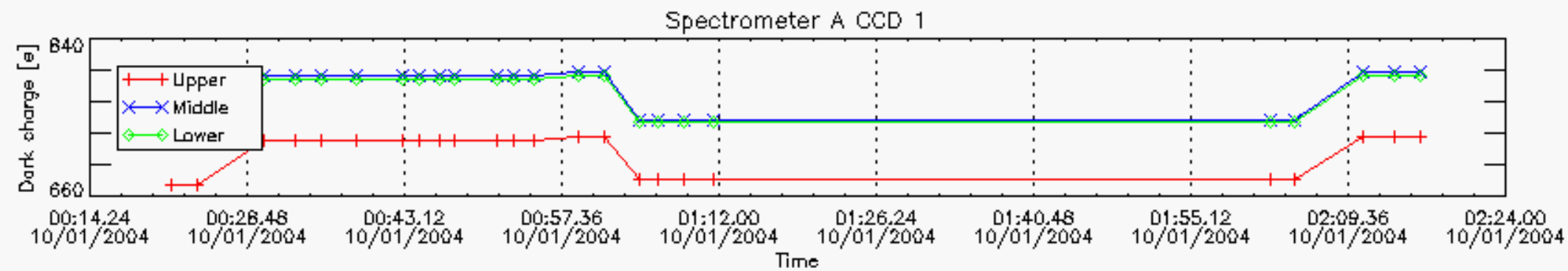
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: 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:	1461.6	1447.5	1460.5	1448.0
St. deviation:	4.7505	5.9917	7.5723	8.6697
Maximum:	1507.0	1551.0	1519.0	1515.0
Minimum:	1456.0	1426.0	1428.0	1408.0
Number of data:	32050.	32050.	29200.	29200.

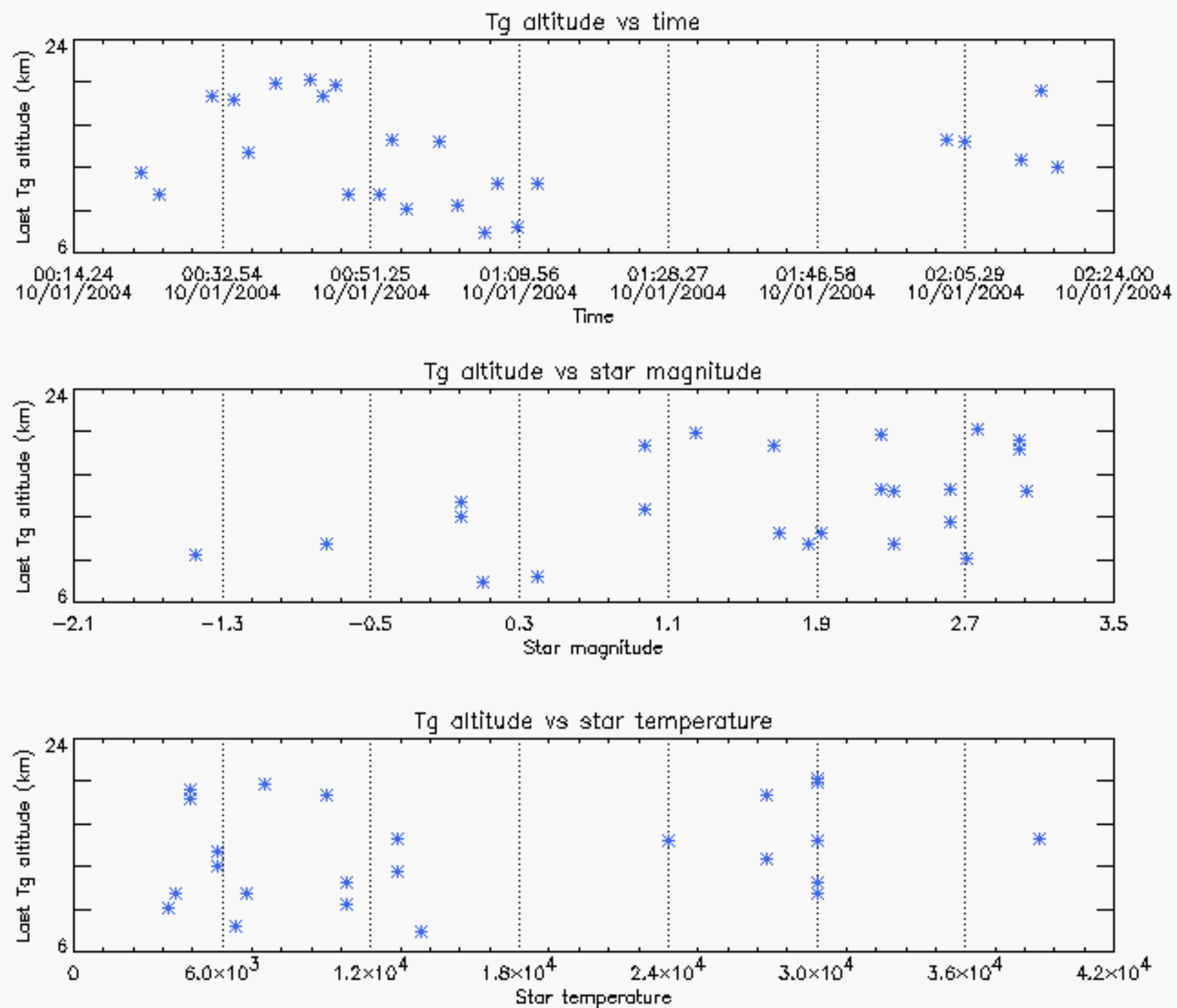




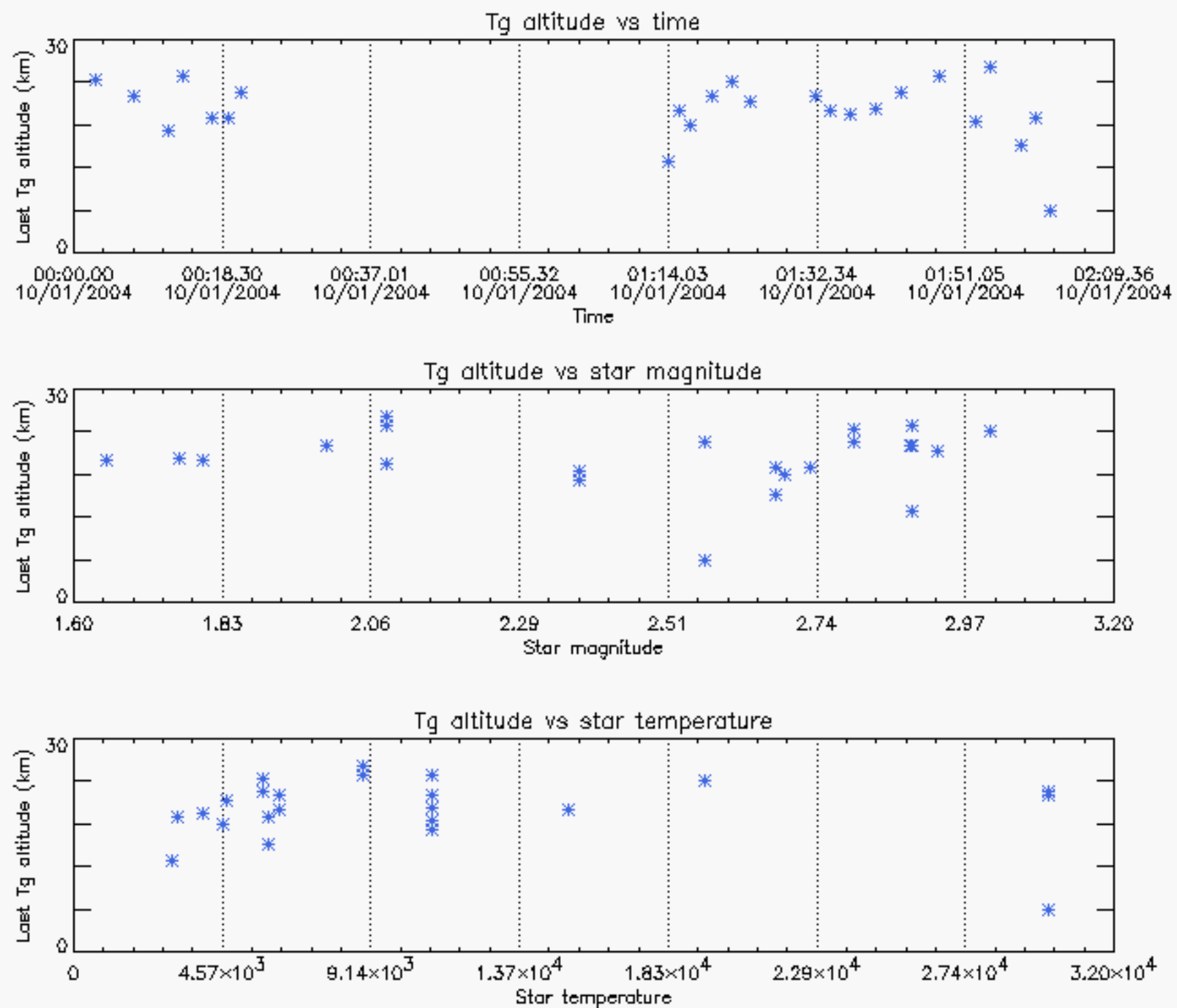




Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



/data4_2/GOMOS/level0/GOM_NL_0PNPDK20040101_054855_000060682023_00034_09607_0545.N1

1;	-4268.0;	01-JAN-2004	05:48:55;	Dark	;	45.5;	7;	19Bet Ori	;	0.10;	14000;occ;	91;	0;	9607
2;	-4156.2;	01-JAN-2004	05:50:47;	Dark	;	43.5;	30;	46Eps Ori	;	1.69;	30000;occ;	87;	0;	9607
3;	-3940.7;	01-JAN-2004	05:54:22;	Dark	;	82.0;	8;	10Alp CMI	;	0.40;	6500;occ;	164;	0;	9607
4;	-3806.3;	01-JAN-2004	05:56:37;	Dark	;	50.0;	44;	24Gam Gem	;	1.93;	11000;occ;	100;	0;	9607
5;	-3708.3;	01-JAN-2004	05:58:15;	Bright;	;	47.0;	151;	13Mu Gem	;	2.89;	3000;occ;	94;	0;	9607
6;	-3565.2;	01-JAN-2004	06:00:38;	Bright;	;	39.5;	114;	3Iot Aur	;	2.69;	4600;occ;	79;	0;	9607
7;	-3468.9;	01-JAN-2004	06:02:14;	Bright;	;	38.0;	107;	37The Aur	;	2.65;	11000;occ;	76;	0;	9607
8;	-3344.2;	01-JAN-2004	06:04:19;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;occ;	82;	0;	9607
9;	-3237.9;	01-JAN-2004	06:06:05;	Bright;	;	38.0;	35;	33Alp Per	;	1.79;	6250;occ;	76;	0;	9607
10;	-3161.0;	01-JAN-2004	06:07:22;	Bright;	;	38.0;	160;	23Gam Per	;	2.93;	4700;occ;	76;	0;	9607
11;	-2613.9;	01-JAN-2004	06:16:29;	Bright;	;	36.5;	49;	1Alp UMi	;	1.99;	6300;occ;	73;	0;	9607
12;	-2439.5;	01-JAN-2004	06:19:24;	Bright;	;	51.0;	36;	50Alp UMA	;	1.80;	6300;occ;	102;	0;	9607
13;	-2196.7;	01-JAN-2004	06:23:26;	Bright;	;	56.5;	87;	64Gam UMA	;	2.43;	11000;occ;	113;	0;	9607
14;	-2065.9;	01-JAN-2004	06:25:37;	Bright;	;	47.5;	55;	79Zet UMA	;	2.06;	10200;occ;	95;	0;	9607
15;	-1929.3;	01-JAN-2004	06:27:54;	Bright;	;	48.5;	39;	85Eta UMA	;	1.85;	24000;occ;	97;	0;	9607
16;	-1684.9;	01-JAN-2004	06:31:58;	Bright;	;	42.5;	180;	27Gam Boo	;	3.04;	8000;occ;	85;	0;	9607
17;	-1464.3;	01-JAN-2004	06:35:39;	Bright;	;	43.0;	83;		;	2.38;	11000;occ;	86;	0;	9607
18;	-1214.9;	01-JAN-2004	06:39:48;	Bright;	;	57.5;	111;	8Eta Boo	;	2.68;	6000;occ;	115;	0;	9607
19;	-1008.4;	01-JAN-2004	06:43:15;	Bright;	;	36.0;	120;	1Del Oph	;	2.73;	3200;occ;	72;	0;	9607
20;	-844.6;	01-JAN-2004	06:45:58;	Bright;	;	39.5;	104;	27Bet Lib	;	2.61;	13100;occ;	79;	0;	9607
21;	-685.5;	01-JAN-2004	06:48:37;	Dark	;	44.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	88;	0;	9607
22;	-483.7;	01-JAN-2004	06:51:59;	Dark	;	69.5;	15;	67Alp Vir	;	0.98;	28000;occ;	139;	0;	9607
23;	-282.4;	01-JAN-2004	06:55:21;	Dark	;	38.5;	109;	Bet Lup	;	2.68;	26000;occ;	77;	0;	9607
24;	-194.7;	01-JAN-2004	06:56:48;	Dark	;	41.5;	78;	Alp Lup	;	2.30;	28000;occ;	83;	0;	9607
25;	-106.2;	01-JAN-2004	06:58:17;	Dark	;	42.0;	95;	Zet Cen	;	2.55;	26000;occ;	84;	0;	9607
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27;	226.9;	01-JAN-2004	07:03:50;	Dark	;	51.5;	12;	Alp1Cru	;	0.77;	30000;occ;	103;	0;	9608
28;	398.9;	01-JAN-2004	07:06:42;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	9608
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36;	1431.6;	01-JAN-2004	07:23:55;	Dark	;	46.5;	179;	240mi2CMA	;	3.03;	24000;occ;	93;	0;	9608
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4;	-3806.5;	01-JAN-2004	07:37:12;	Dark	;	50.0;	44;	24Gam Gem	;	1.93;	11000;occ;	100;	0;	9608
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29; 16.3; 05-JAN-2004 14:57:26; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0; 9670
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31; 255.9; 05-JAN-2004 15:01:26; Dark ; 46.0; 12; Alp1Cru ; 0.77; 30000;occ; 92; 0; 9670
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33; 566.4; 05-JAN-2004 15:06:36; Dark ; 42.5; 29; Bet Car ; 1.67; 10200;occ; 85; 0; 9670
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3;	-4007.3;	06-JAN-2004	09:57:34;	Dark	;	50.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	100;	0;	9681
4;	-3828.0;	06-JAN-2004	10:00:33;	Dark	;	48.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	97;	0;	9681
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6;	-3643.6;	06-JAN-2004	10:03:37;	Bright;		40.0;	28;	12Bet Tau	;	1.65;	15200;	occ;	80;	0;	9681
7;	-3563.5;	06-JAN-2004	10:04:57;	Bright;		42.0;	114;	3Iot Aur	;	2.69;	4600;	occ;	84;	0;	9681
8;	-3406.2;	06-JAN-2004	10:07:35;	Bright;		35.5;	149;	45Eps Per	;	2.89;	30000;	occ;	71;	0;	9681
9;	-3268.3;	06-JAN-2004	10:09:53;	Bright;		36.5;	175;	39Del Per	;	3.01;	19400;	occ;	73;	0;	9681
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13;	-2357.2;	06-JAN-2004	10:25:04;	Bright;		44.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	89;	0;	9681
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15;	-2113.5;	06-JAN-2004	10:29:07;	Bright;		38.0;	119;	14Eta Dra	;	2.73;	4700;	occ;	76;	0;	9681
16;	-1977.9;	06-JAN-2004	10:31:23;	Bright;		37.5;	130;	23Bet Dra	;	2.80;	5800;	occ;	75;	0;	9681
17;	-1707.9;	06-JAN-2004	10:35:53;	Bright;		65.0;	152;	12Alp2CVn	;	2.89;	11000;	occ;	130;	0;	9681
18;	-1447.2;	06-JAN-2004	10:40:14;	Bright;		47.5;	83;		;	2.38;	11000;	occ;	95;	0;	9681
19;	-1317.9;	06-JAN-2004	10:42:23;	Bright;		35.0;	59;	55Alp Oph	;	2.08;	8900;	occ;	70;	0;	9681
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22;	-808.6;	06-JAN-2004	10:50:52;	Bright;		44.5;	104;	27Bet Lib	;	2.61;	13100;	occ;	89;	0;	9681
23;	-662.8;	06-JAN-2004	10:53:18;	Dark	;	46.0;	80;	7Del Sco	;	2.32;	30000;	occ;	92;	0;	9681
24;	-367.3;	06-JAN-2004	10:58:14;	Dark	;	76.0;	15;	67Alp Vir	;	0.98;	28000;	occ;	152;	0;	9681
25;	-216.3;	06-JAN-2004	11:00:44;	Dark	;	55.0;	54;	5The Cen	;	2.06;	4500;	occ;	110;	0;	9681
26;	18.7;	06-JAN-2004	11:04:40;	Dark	;	53.0;	4;	Alp1Cen	;	-0.01;	5800;	occ;	106;	0;	9682
27;	163.9;	06-JAN-2004	11:07:05;	Dark	;	46.0;	64;	Gam Cen	;	2.20;	10600;	occ;	92;	0;	9682
28;	265.0;	06-JAN-2004	11:08:46;	Dark	;	43.0;	12;	Alp1Cru	;	0.77;	30000;	occ;	86;	0;	9682
29;	420.5;	06-JAN-2004	11:11:21;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	9682
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33;	892.4;	06-JAN-2004	11:19:13;	Dark	;	58.5;	65;	Lam Vel	;	2.20;	4400;	occ;	117;	0;	9682
34;	995.0;	06-JAN-2004	11:20:56;	Dark	;	48.5;	2;	Alp Car	;	-0.74;	7000;	occ;	97;	0;	9682
35;	1080.3;	06-JAN-2004	11:22:21;	Dark	;	47.5;	70;	Zet Pup	;	2.25;	39000;	occ;	95;	0;	9682
36;	1193.0;	06-JAN-2004	11:24:14;	Dark	;	52.0;	117;	Pi Pup	;	2.71;	3800;	occ;	104;	0;	9682
37;	1355.1;	06-JAN-2004	11:26:56;	Dark	;	47.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	94;	0;	9682
38;	1447.1;	06-JAN-2004	11:28:28;	Dark	;	42.0;	179;	240mi2CMA	;	3.03;	24000;	occ;	84;	0;	9682

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3;	-4588.7;	06-JAN-2004	16:30:16;	Dark	;	47.0;	179;	240mi2CMA	;	3.03;	24000;	occ;	94;	0;	9685
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6;	-4152.9;	06-JAN-2004	16:37:32;	Dark	;	48.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	97;	0;	9685
7;	-3981.0;	06-JAN-2004	16:40:24;	Dark	;	64.5;	8;	10Alp CMi	;	0.40;	6500;	occ;	129;	0;	9685
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13;	-3267.1;	06-JAN-2004	16:52:17;	Bright;		36.5;	175;	39Del Per	;	3.01;	19400;	occ;	73;	0;	9685
14;	-3133.8;	06-JAN-2004	16:54:31;	Bright;		37.0;	160;	23Gam Per	;	2.93;	4700;	occ;	74;	0;	9685
15;	-2614.1;	06-JAN-2004	17:03:10;	Bright;		37.5;	49;	1Alp UMi	;	1.99;	6300;	occ;	75;	0;	9685
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27;	-661.5;	06-JAN-2004	17:35:43;	Dark	;	43.5;	80;	7Del Sco	;	2.32;	30000;	occ;	87;	0;	9685
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31; 580.2; 08-JAN-2004 06:49:35; Dark ; 40.5; 29; Bet Car ; 1.67; 10200;occ; 81; 0; 9708
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33; 765.4; 08-JAN-2004 06:52:40; Dark ; 49.0; 41; Eps Car ; 1.86; 4100;occ; 98; 0; 9708
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35; 1092.6; 08-JAN-2004 06:58:07; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0; 9708
36; 1204.5; 08-JAN-2004 06:59:59; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0; 9708
37; 1364.6; 08-JAN-2004 07:02:39; Dark ; 47.0; 23; 21Eps CMa ; 1.50; 26000;occ; 94; 0; 9708
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13;-2358.0; 08-JAN-2004 07:41:13; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0; 9708
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3;	-4829.7;	08-JAN-2004	18:44:12;	Dark	;	41.5;	117;	Pi Pup	;	2.71;	3800;	occ;	83;	0;	9715
4;	-4670.1;	08-JAN-2004	18:46:52;	Dark	;	47.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	94;	0;	9715
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7;	-4253.0;	08-JAN-2004	18:53:49;	Dark	;	52.0;	7;	19Bet Ori	;	0.10;	14000;	occ;	104;	0;	9715
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14;	-3461.0;	08-JAN-2004	19:07:01;	Bright	;	51.0;	24;	66Alp Gem	;	1.58;	10200;	occ;	102;	0;	9715
15;	-3357.2;	08-JAN-2004	19:08:45;	Bright	;	41.0;	42;	34Bet Aur	;	1.90;	10200;	occ;	82;	0;	9715
16;	-3257.5;	08-JAN-2004	19:10:25;	Bright	;	37.0;	175;	39Del Per	;	3.01;	19400;	occ;	74;	0;	9715
17;	-3122.3;	08-JAN-2004	19:12:40;	Bright	;	37.5;	160;	23Gam Per	;	2.93;	4700;	occ;	75;	0;	9715
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19;	-2512.0;	08-JAN-2004	19:22:50;	Bright	;	46.0;	36;	50Alp UMa	;	1.80;	6300;	occ;	92;	0;	9715
20;	-2359.9;	08-JAN-2004	19:25:22;	Bright	;	41.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	82;	0;	9715
21;	-2174.1;	08-JAN-2004	19:28:28;	Bright	;	50.5;	32;	77Eps UMa	;	1.76;	11000;	occ;	101;	0;	9715
22;	-1972.9;	08-JAN-2004	19:31:49;	Bright	;	38.0;	130;	23Bet Dra	;	2.80;	5800;	occ;	76;	0;	9715
23;	-1716.4;	08-JAN-2004	19:36:06;	Bright	;	72.5;	152;	12Alp2CVn	;	2.89;	11000;	occ;	145;	0;	9715
24;	-1440.2;	08-JAN-2004	19:40:42;	Bright	;	51.0;	83;		;	2.38;	11000;	occ;	102;	0;	9715
25;	-1313.8;	08-JAN-2004	19:42:48;	Bright	;	36.5;	59;	55Alp Oph	;	2.08;	8900;	occ;	73;	0;	9715
26;	-1142.3;	08-JAN-2004	19:45:40;	Bright	;	73.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	146;	0;	9715
27;	-978.7;	08-JAN-2004	19:48:23;	Bright	;	39.0;	120;	1Del Oph	;	2.73;	3200;	occ;	78;	0;	9715
28;	-789.1;	08-JAN-2004	19:51:33;	Dark	;	46.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	92;	0;	9715
29;	-650.4;	08-JAN-2004	19:53:52;	Dark	;	46.5;	80;	7Del Sco	;	2.32;	30000;	occ;	93;	0;	9715
30;	-305.3;	08-JAN-2004	19:59:37;	Dark	;	82.5;	15;	67Alp Vir	;	0.98;	28000;	occ;	165;	0;	9715
31;	-140.9;	08-JAN-2004	20:02:21;	Dark	;	44.0;	78;	Alp Lup	;	2.30;	28000;	occ;	88;	0;	9715
32;	34.3;	08-JAN-2004	20:05:16;	Dark	;	53.0;	4;	Alp1Cen	;	-0.01;	5800;	occ;	106;	0;	9716
33;	225.4;	08-JAN-2004	20:08:27;	Dark	;	42.5;	20;	Bet Cru	;	1.25;	30000;	occ;	85;	0;	9716
34;	362.4;	08-JAN-2004	20:10:44;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	9716
35;	483.3;	08-JAN-2004	20:12:45;	Dark	;	39.0;	124;	The Car	;	2.76;	30000;	occ;	78;	0;	9716
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37;	683.8;	08-JAN-2004	20:16:06;	Dark	;	41.5;	71;	Iot Car	;	2.25;	7700;	occ;	83;	0;	9716
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3;	-4829.1;	08-JAN-2004	20:24:49;	Dark	;	47.5;	117;	Pi Pup	;	2.71;	3800;	occ;	95;	0;	9716
4;	-4669.5;	08-JAN-2004	20:27:28;	Dark	;	49.5;	23;	21Eps CMa	;	1.50;	26000;	occ;	99;	0;	9716
5;	-4581.5;	08-JAN-2004	20:28:56;	Dark	;	44.5;	179;	240mi2CMa	;	3.03;	24000;	occ;	89;	0;	9716
6;	-4442.7;	08-JAN-2004	20:31:15;	Dark	;	48.5;	1;	9Alp CMa	;	-1.44;	11000;	occ;	97;	0;	9716
7;	-4252.2;	08-JAN-2004	20:34:26;	Dark	;	49.5;	7;	19Bet Ori	;	0.10;	14000;	occ;	99;	0;	9716
8;	-4147.0;	08-JAN-2004	20:36:11;	Dark	;	44.0;	30;	46Eps Ori	;	1.69;	30000;	occ;	88;	0;	9716
9;	-3994.7;	08-JAN-2004	20:38:43;	Dark	;	64.5;	8;	10Alp CMi	;	0.40;	6500;	occ;	129;	0;	9716
10;	-3835.4;	08-JAN-2004	20:41:22;	Dark	;	47.0;	44;	24Gam Gem	;	1.93;	11000;	occ;	94;	0;	9716
11;	-3734.7;	08-JAN-2004	20:43:03;	Bright	;	44.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	88;	0;	9716
12;	-3641.7;	08-JAN-2004	20:44:36;	Bright	;	37.5;	28;	12Bet Tau	;	1.65;	15200;	occ;	75;	0;	9716
13;	-3556.3;	08-JAN-2004	20:46:02;	Bright	;	38.0;	114;	3Iot Aur	;	2.69;	4600;	occ;	76;	0;	9716
14;	-3461.9;	08-JAN-2004	20:47:36;	Bright	;	48.5;	24;	66Alp Gem	;	1.58;	10200;	occ;	97;	0;	9716
15;	-3357.0;	08-JAN-2004	20:49:21;	Bright	;	38.5;	42;	34Bet Aur	;	1.90;	10200;	occ;	77;	0;	9716
16;	-3257.1;	08-JAN-2004	20:51:01;	Bright	;	37.0;	175;	39Del Per	;	3.01;	19400;	occ;	74;	0;	9716
17;	-3121.8;	08-JAN-2004	20:53:16;	Bright	;	38.5;	160;	23Gam Per	;	2.93;	4700;	occ;	77;	0;	9716
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8;-3550.6; 11-JAN-2004 07:27:04; Bright; 39.0; 114; 3Iot Aur ; 2.69; 4600;occ; 78; 0; 9751
9;-3360.7; 11-JAN-2004 07:30:14; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0; 9751
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12;-2612.7; 11-JAN-2004 07:42:42; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0; 9751
13;-2507.4; 11-JAN-2004 07:44:27; Bright; 56.0; 82; 48Bet UMa ; 2.37; 10600;occ; 112; 0; 9751
14;-2364.0; 11-JAN-2004 07:46:51; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0; 9751
15;-2193.9; 11-JAN-2004 07:49:41; Bright; 52.0; 32; 77Eps UMa ; 1.76; 11000;occ; 104; 0; 9751
16;-1968.4; 11-JAN-2004 07:53:26; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0; 9751
17;-1788.0; 11-JAN-2004 07:56:27; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0; 9751
18;-1683.5; 11-JAN-2004 07:58:11; Bright; 49.0; 180; 27Gam Boo ; 3.04; 8000;occ; 98; 0; 9751
19;-1431.6; 11-JAN-2004 08:02:23; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0; 9751
20;-1307.0; 11-JAN-2004 08:04:28; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0; 9751
21;-1111.1; 11-JAN-2004 08:07:44; Bright; 78.5; 111; 8Eta Boo ; 2.68; 6000;occ; 157; 0; 9751
22;-878.9; 11-JAN-2004 08:11:36; Bright; 37.0; 98; 13Zet Oph ; 2.57; 30000;occ; 74; 0; 9751
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26;-119.7; 11-JAN-2004 08:24:15; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0; 9751
27; 247.1; 11-JAN-2004 08:30:22; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0; 9752
28; 342.4; 11-JAN-2004 08:31:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0; 9752
29; 501.4; 11-JAN-2004 08:34:36; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0; 9752
30; 594.8; 11-JAN-2004 08:36:10; Dark ; 39.5; 29; Bet Car ; 1.67; 10200;occ; 79; 0; 9752
31; 701.3; 11-JAN-2004 08:37:56; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0; 9752
32; 782.6; 11-JAN-2004 08:39:17; Dark ; 53.0; 41; Eps Car ; 1.86; 4100;occ; 106; 0; 9752
33; 1010.7; 11-JAN-2004 08:43:05; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0; 9752
34; 1110.4; 11-JAN-2004 08:44:45; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0; 9752
35; 1217.8; 11-JAN-2004 08:46:33; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0; 9752
36; 1375.0; 11-JAN-2004 08:49:10; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0; 9752
37; 1461.6; 11-JAN-2004 08:50:36; Dark ; 42.0; 179; 240mi2CMA ; 3.03; 24000;occ; 84; 0; 9752
38; 1598.7; 11-JAN-2004 08:52:53; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0; 9752

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2;	-4437.2;	11-JAN-2004	10:33:29;	Dark	;	51.5;	1;	9Alp CMA	;	-1.44;	11000;occ;	103;	0;	9753
3;	-4244.9;	11-JAN-2004	10:36:42;	Dark	;	52.0;	7;	19Bet Ori	;	0.10;	14000;occ;	104;	0;	9753
4;	-4141.3;	11-JAN-2004	10:38:25;	Dark	;	40.5;	30;	46Eps Ori	;	1.69;	30000;occ;	81;	0;	9753
5;	-4006.3;	11-JAN-2004	10:40:40;	Dark	;	58.5;	8;	10Alp CMi	;	0.40;	6500;occ;	117;	0;	9753
6;	-3840.9;	11-JAN-2004	10:43:26;	Dark	;	46.0;	44;	24Gam Gem	;	1.93;	11000;occ;	92;	0;	9753
7;	-3739.5;	11-JAN-2004	10:45:07;	Bright;		42.0;	151;	13Mu Gem	;	2.89;	3000;occ;	84;	0;	9753
8;	-3639.1;	11-JAN-2004	10:46:47;	Bright;		39.0;	28;	12Bet Tau	;	1.65;	15200;occ;	78;	0;	9753
9;	-3550.4;	11-JAN-2004	10:48:16;	Bright;		38.0;	114;	3Iot Aur	;	2.69;	4600;occ;	76;	0;	9753
10;	-3361.3;	11-JAN-2004	10:51:25;	Bright;		39.0;	42;	34Bet Aur	;	1.90;	10200;occ;	78;	0;	9753
11;	-3243.7;	11-JAN-2004	10:53:23;	Bright;		37.0;	175;	39Del Per	;	3.01;	19400;occ;	74;	0;	9753
12;	-3105.7;	11-JAN-2004	10:55:41;	Bright;		36.5;	160;	23Gam Per	;	2.93;	4700;occ;	73;	0;	9753
13;	-2613.1;	11-JAN-2004	11:03:53;	Bright;		38.0;	49;	1Alp UMi	;	1.99;	6300;occ;	76;	0;	9753
14;	-2509.2;	11-JAN-2004	11:05:37;	Bright;		53.0;	82;	48Bet UMA	;	2.37;	10600;occ;	106;	0;	9753
15;	-2364.3;	11-JAN-2004	11:08:02;	Bright;		40.0;	60;	7Bet UMi	;	2.08;	3950;occ;	80;	0;	9753
16;	-2194.7;	11-JAN-2004	11:10:52;	Bright;		53.0;	32;	77Eps UMa	;	1.76;	11000;occ;	106;	0;	9753
17;	-1968.1;	11-JAN-2004	11:14:38;	Bright;		35.5;	130;	23Bet Dra	;	2.80;	5800;occ;	71;	0;	9753
18;	-1787.9;	11-JAN-2004	11:17:39;	Bright;		35.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	71;	0;	9753
19;	-1683.2;	11-JAN-2004	11:19:23;	Bright;		49.0;	180;	27Gam Boo	;	3.04;	8000;occ;	98;	0;	9753
20;	-1430.4;	11-JAN-2004	11:23:36;	Bright;		54.5;	83;		;	2.38;	11000;occ;	109;	0;	9753
21;	-1307.1;	11-JAN-2004	11:25:39;	Bright;		35.5;	59;	55Alp Oph	;	2.08;	8900;occ;	71;	0;	9753
22;	-1108.5;	11-JAN-2004	11:28:58;	Bright;		78.5;	111;	8Eta Boo	;	2.68;	6000;occ;	157;	0;	9753
23;	-878.6;	11-JAN-2004	11:32:48;	Bright;		52.0;	98;	13Zet Oph	;	2.57;	30000;occ;	104;	0;	9753
24;	-611.5;	11-JAN-2004	11:37:15;	Dark	;	46.0;	16;	21Alp Sco	;	1.02;	3000;occ;	92;	0;	9753
25;	-306.1;	11-JAN-2004	11:42:20;	Dark	;	38.5;	131;	Gam Lup	;	2.80;	26000;occ;	77;	0;	9753
26;	-209.2;	11-JAN-2004	11:43:57;	Dark	;	41.0;	109;	Bet Lup	;	2.68;	26000;occ;	82;	0;	9753
27;	-118.7;	11-JAN-2004	11:45:28;	Dark	;	40.5;	78;	Alp Lup	;	2.30;	28000;occ;	81;	0;	9753
28;	247.8;	11-JAN-2004	11:51:34;	Dark	;	42.5;	20;	Bet Cru	;	1.25;	30000;occ;	85;	0;	9754
29;	344.4;	11-JAN-2004	11:53:11;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	9754
30;	502.5;	11-JAN-2004	11:55:49;	Dark	;	40.5;	124;	The Car	;	2.76;	30000;occ;	81;	0;	9754
31;	595.6;	11-JAN-2004	11:57:22;	Dark	;	39.5;	29;	Bet Car	;	1.67;	10200;occ;	79;	0;	9754
32;	701.7;	11-JAN-2004	11:59:08;	Dark	;	50.0;	71;	Iot Car	;	2.25;	7700;occ;	100;	0;	9754
33;	782.9;	11-JAN-2004	12:00:29;	Dark	;	51.0;	41;	Eps Car	;	1.86;	4100;occ;	102;	0;	9754
34;	1010.6;	11-JAN-2004	12:04:17;	Dark	;	46.0;	2;	Alp Car	;	-0.74;	7000;occ;	92;	0;	9754
35;	1111.4;	11-JAN-2004	12:05:58;	Dark	;	42.0;	70;	Zet Pup	;	2.25;	39000;occ;	84;	0;	9754
36;	1217.7;	11-JAN-2004	12:07:44;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;	9754
37;	1375.0;	11-JAN-2004	12:10:21;	Dark	;	43.0;	23;	21Eps CMA	;	1.50;	26000;occ;	86;	0;	9754
38;	1461.4;	11-JAN-2004	12:11:48;	Dark	;	43.0;	179;	240mi2CMA	;	3.03;	24000;occ;	86;	0;	9754

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3;	-4573.6;	11-JAN-2004	17:13:37;	Dark	;	41.5;	179;	240mi2CMA	;	3.03;	24000;occ;	83;	0;	9757
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5;	-4244.8;	11-JAN-2004	17:19:05;	Dark	;	48.0;	7;	19Bet Ori	;	0.10;	14000;occ;	96;	0;	9757
6;	-4141.4;	11-JAN-2004	17:20:49;	Dark	;	43.5;	30;	46Eps Ori	;	1.69;	30000;occ;	87;	0;	9757
7;	-4007.3;	11-JAN-2004	17:23:03;	Dark	;	60.0;	8;	10Alp CMi	;	0.40;	6500;occ;	120;	0;	9757
8;	-3842.0;	11-JAN-2004	17:25:48;	Dark	;	44.0;	44;	24Gam Gem	;	1.93;	11000;occ;	88;	0;	9757
9;	-3740.1;	11-JAN-2004	17:27:30;	Bright;		43.5;	151;	13Mu Gem	;	2.89;	3000;occ;	87;	0;	9757
10;	-3639.6;	11-JAN-2004	17:29:11;	Bright;		39.0;	28;	12Bet Tau	;	1.65;	15200;occ;	78;	0;	9757
11;	-3549.8;	11-JAN-2004	17:30:40;	Bright;		38.5;	114;	3Iot Aur	;	2.69;	4600;occ;	77;	0;	9757
12;	-3361.7;	11-JAN-2004	17:33:48;	Bright;		37.5;	42;	34Bet Aur	;	1.90;	10200;occ;	75;	0;	9757
13;	-3242.3;	11-JAN-2004	17:35:48;	Bright;		37.5;	175;	39Del Per	;	3.01;	19400;occ;	75;	0;	9757
14;	-3103.8;	11-JAN-2004	17:38:06;	Bright;		37.0;	160;	23Gam Per	;	2.93;	4700;occ;	74;	0;	9757
15;	-2612.7;	11-JAN-2004	17:46:18;	Bright;		39.0;	49;	1Alp UMi	;	1.99;	6300;occ;	78;	0;	9757
16;	-2512.9;	11-JAN-2004	17:47:57;	Bright;		55.0;	82;	48Bet UMA	;	2.37;	10600;occ;	110;	0;	9757
17;	-2364.7;	11-JAN-2004	17:50:26;	Bright;		36.0;	60;	7Bet UMi	;	2.08;	3950;occ;	72;	0;	9757
18;	-2197.4;	11-JAN-2004	17:53:13;	Bright;		53.0;	32;	77Eps UMa	;	1.76;	11000;occ;	106;	0;	9757
19;	-1967.8;	11-JAN-2004	17:57:02;	Bright;		37.0;	130;	23Bet Dra	;	2.80;	5800;occ;	74;	0;	9757
20;	-1786.7;	11-JAN-2004	18:00:04;	Bright;		38.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	76;	0;	9757
21;	-1683.7;	11-JAN-2004	18:01:47;	Bright;		49.5;	180;	27Gam Boo	;	3.04;	8000;occ;	99;	0;	9757
22;	-1430.0;	11-JAN-2004	18:06:00;	Bright;		54.0;	83;		;	2.38;	11000;occ;	108;	0;	9757
23;	-1305.9;	11-JAN-2004	18:08:04;	Bright;		34.0;	59;	55Alp Oph	;	2.08;	8900;occ;	68;	0;	9757
24;	-1105.4;	11-JAN-2004	18:11:25;	Dark	;	84.5;	111;	8Eta Boo	;	2.68;	6000;occ;	169;	0;	9757
25;	-877.1;	11-JAN-2004	18:15:13;	Bright;		52.0;	98;	13Zet Oph	;	2.57;	30000;occ;	104;	0;	9757
26;	-762.4;	11-JAN-2004	18:17:08;	Dark	;	48.0;	104;	27Bet Lib	;	2.61;	13100;occ;	96;	0;	9757
27;	-610.1;	11-JAN-2004	18:19:40;	Dark	;	52.0;	16;	21Alp Sco	;	1.02;	3000;occ;	104;	0;	9757
28;	-304.3;	11-JAN-2004	18:24:46;	Dark	;	39.5;	131;	Gam Lup	;	2.80;	26000;occ;	79;	0;	9757

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 33; 348.1; 11-JAN-2004 18:35:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0; 9758
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 36; 703.7; 11-JAN-2004 18:41:34; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0; 9758
 37; 784.4; 11-JAN-2004 18:42:55; Dark ; 48.5; 41; Eps Car ; 1.86; 4100;occ; 97; 0; 9758
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 34; 1253.9; 21-JAN-2004 08:32:43; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0; 9895
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 37; 1618.9; 21-JAN-2004 08:38:48; Dark ; 46.0; 1; 9Alp CMa ; -1.44; 11000;occ; 92; 0; 9895
 38; 1770.7; 21-JAN-2004 08:41:20; Dark ; 10.5; 56; 53Kap Ori ; 2.07; 30000;occ; 21; 0; 9895

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4;	-3850.6;	21-JAN-2004	08:48:14;	Dark	;	47.5;	44;	24Gam Gem	;	1.93;	11000;occ;	95;	0;	9895
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9;	-2924.7;	21-JAN-2004	09:03:40;	Bright;	251.0;	51;	41Gam1Leo	;	2.01;	4500;occ;	502;	2;	9895	
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11;	-2389.0;	21-JAN-2004	09:12:36;	Bright;	42.5;	60;	7Bet UMi	;	2.08;	3950;occ;	85;	0;	9895	
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13;	-2120.5;	21-JAN-2004	09:17:05;	Bright;	40.5;	119;	14Eta Dra	;	2.73;	4700;occ;	81;	2;	9895	
14;	-2025.7;	21-JAN-2004	09:18:39;	Bright;	58.0;	39;	85Eta UMA	;	1.85;	24000;occ;	116;	1;	9895	
15;	-1758.7;	21-JAN-2004	09:23:06;	Bright;	36.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	73;	1;	9895	
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17;	-1384.8;	21-JAN-2004	09:29:20;	Bright;	66.0;	83;		;	2.38;	11000;occ;	132;	0;	9895	
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22;	-230.3;	21-JAN-2004	09:48:35;	Dark	;	42.0;	131;	Gam Lup	;	2.80;	26000;occ;	84;	1;	9895
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24;	-25.2;	21-JAN-2004	09:52:00;	Dark	;	44.5;	78;	Alp Lup	;	2.30;	28000;occ;	89;	0;	9895
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26;	300.0;	21-JAN-2004	09:57:25;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	3;	9896
27;	458.7;	21-JAN-2004	10:00:04;	Dark	;	47.0;	99;	Del Cen	;	2.58;	26000;occ;	94;	1;	9896
28;	639.2;	21-JAN-2004	10:03:04;	Dark	;	48.0;	29;	Bet Car	;	1.67;	10200;occ;	96;	1;	9896
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31;	1033.6;	21-JAN-2004	10:09:39;	Dark	;	52.0;	2;	Alp Car	;	-0.74;	7000;occ;	104;	0;	9896
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2;	-4132.2;	21-JAN-2004	10:24:09;	Dark	;	44.5;	33;	50Zet Ori	;	1.77;	30000;occ;	89;	0;	9896
3;	-3987.8;	21-JAN-2004	10:26:33;	Dark	;	52.0;	14;	58Alp Ori	;	0.87;	3000;occ;	104;	1;	9896
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24;	-25.0;	21-JAN-2004	11:32:36;	Dark	;	44.0;	78;	Alp Lup	;	2.30;	28000;occ;	88;	0;	9896
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