

GOMOS Daily Report 18-APR-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	21APR2004 10:30:05
Data source version	GOMOS/4.02
Start time of products	18-APR-2004 (18APR2004 00:00:00)
Stop time of products	19-APR-2004 (19APR2004 00:00:00)
Store outputs flag	1
Nb of level 1b prods	50
Nb of prods with errors	1

2. Summary of products arrived in PCF

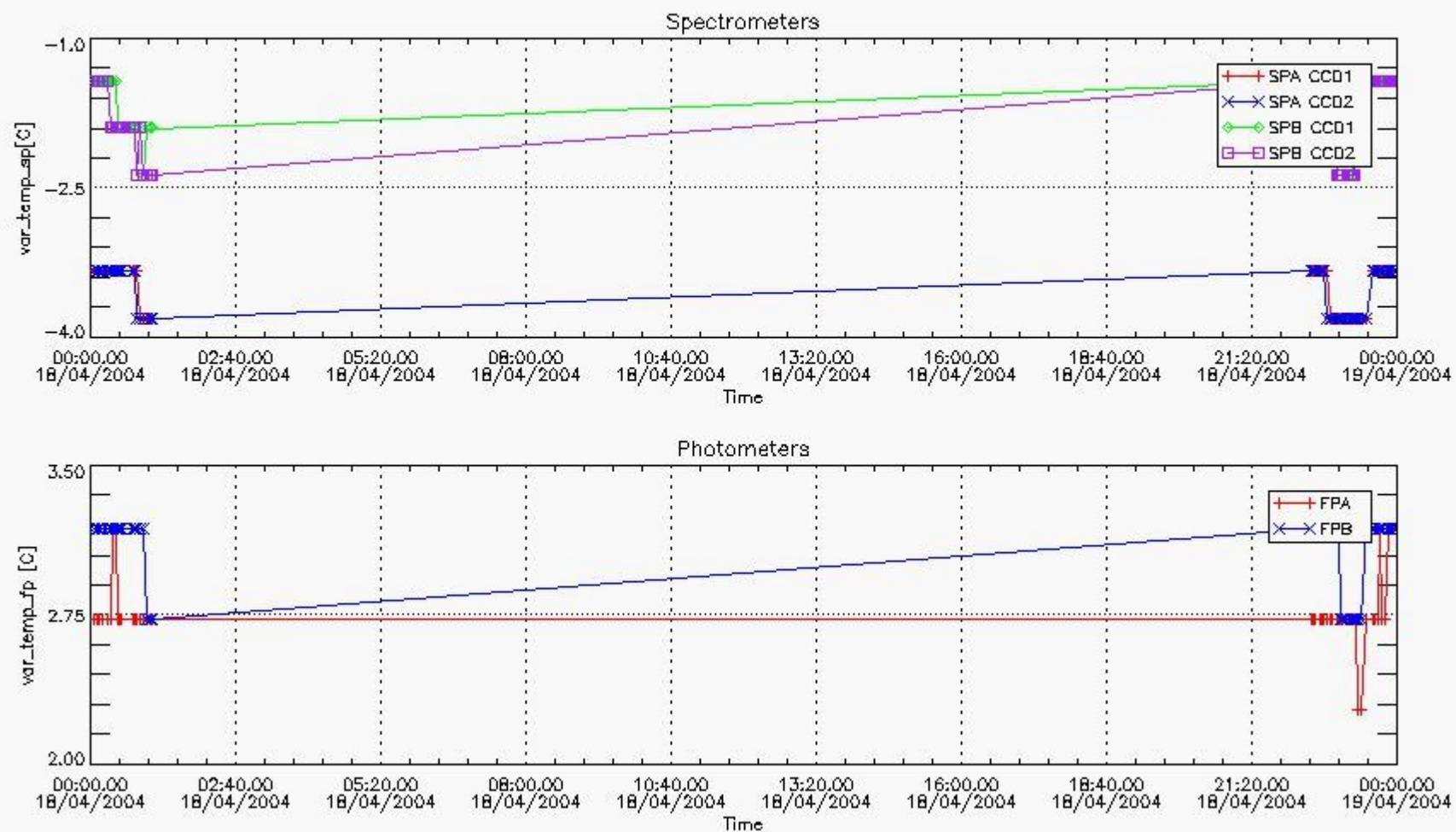
[2.1 Level 0 products arrived in PCF \(see template \[here\]\(#\)\)](#)

[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_1PNPDE20040418_000437_000000632026_00073_11149_0021.N1	18-APR-2004 00:04:37	Dark	63.000	61	8Eps Peg	2.1000	3900.0	126	11149	No
GOM_TRA_1PNPDE20040418_000708_000000492026_00073_11149_0022.N1	18-APR-2004 00:07:08	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	11149	No
GOM_TRA_1PNPDE20040418_000953_000000532026_00073_11149_0023.N1	18-APR-2004 00:09:53	Dark	53.000	154	22Bet Aqr	2.8990	5700.0	106	11149	No
GOM_TRA_1PNPDE20040418_001241_000001562026_00073_11149_0024.N1	18-APR-2004 00:12:41	Dark	155.50	11	53Alp Aql	0.76500	8000.0	311	11149	No
GOM_TRA_1PNPDE20040418_001844_000000452026_00073_11149_0025.N1	18-APR-2004 00:18:44	Dark	45.000	63	Bet Gru	2.1500	2800.0	90	11149	No
GOM_TRA_1PNPDE20040418_002233_000000402026_00073_11149_0026.N1	18-APR-2004 00:22:33	Dark	40.000	148	Alp Tuc	2.8780	4100.0	80	11149	No
GOM_TRA_1PNPDE20040418_002429_000000442026_00074_11150_0027.N1	18-APR-2004 00:24:29	Dark	44.000	45	Alp Pav	1.9400	26000.	88	11150	No
GOM_TRA_1PNPDE20040418_002753_000000762026_00074_11150_0028.N1	18-APR-2004 00:27:53	Dark	75.500	57	34Sig Sgr	2.0660	26000.	151	11150	No
GOM_TRA_1PNPDE20040418_003025_000000662026_00074_11150_0029.N1	18-APR-2004 00:30:25	Dark	65.500	38	20Eps Sgr	1.8360	11000.	131	11150	No
GOM_TRA_1PNPDE20040418_003234_000000582026_00074_11150_0030.N1	18-APR-2004 00:32:34	Dark	58.000	178	lot1Sco	3.0220	6550.0	116	11150	No
GOM_TRA_1PNPDE20040418_003410_000000702026_00074_11150_0031.N1	18-APR-2004 00:34:10	Dark	70.000	25	35Lam Sco	1.6200	28000.	140	11150	No
GOM_TRA_1PNPDE20040418_004651_000000882026_00074_11150_0000.N1	18-APR-2004 00:46:51	Dark	87.500	97	8Bet1Sco	2.5610	30000.	175	11150	No
GOM_TRA_1PNPDE20040418_004931_000000552026_00074_11150_0001.N1	18-APR-2004 00:49:31	Dark	55.000	122	9Alp2Lib	2.7470	9700.0	110	11150	No
GOM_TRA_1PNPDE20040418_005130_000000452026_00074_11150_0002.N1	18-APR-2004 00:51:30	Bright	45.000	15	67Alp Vir	0.97600	28000.	90	11150	No
GOM_TRA_1PNPDE20040418_005435_000000382026_00074_11150_0003.N1	18-APR-2004 00:54:35	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	11150	No
GOM_TRA_1PNPDE20040418_005815_000000422026_00074_11150_0004.N1	18-APR-2004 00:58:15	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	11150	No
GOM_TRA_1PNPDE20040418_010121_000000402026_00074_11150_0005.N1	18-APR-2004 01:01:21	Bright	39.500	96	68Del Leo	2.5600	9300.0	79	11150	No
GOM_TRA_1PNPDE20040418_010617_000000402026_00074_11150_0006.N1	18-APR-2004 01:06:17	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	11150	No
GOM_TRA_1PNPDE20040418_010755_000000402026_00074_11150_0007.N1	18-APR-2004 01:07:55	Bright	39.500	174	52Psi UMa	3.0040	4400.0	79	11150	No
GOM_TRA_1PNPDE20040418_222607_000000412026_00087_11163_0000.N1	18-APR-2004 22:26:07	Dark	41.000	20	Bet Cru	1.2530	30000.	82	11163	Yes
GOM_TRA_1PNPDE20040418_222824_000000402026_00087_11163_0001.N1	18-APR-2004 22:28:24	Dark	39.500	95	Zet Cen	2.5450	26000.	79	11163	No
GOM_TRA_1PNPDE20040418_223023_000000882026_00087_11163_0002.N1	18-APR-2004 22:30:23	Dark	87.500	16	21Alp Sco	1.0200	3000.0	175	11163	No
GOM_TRA_1PNPDE20040418_223443_000000862026_00087_11163_0003.N1	18-APR-2004 22:34:43	Dark	85.500	97	8Bet1Sco	2.5610	30000.	171	11163	No
GOM_TRA_1PNPDE20040418_223719_000000622026_00087_11163_0004.N1	18-APR-2004 22:37:19	Dark	62.000	122	9Alp2Lib	2.7470	9700.0	124	11163	No
GOM_TRA_1PNPDE20040418_223921_000000442026_00087_11163_0005.N1	18-APR-2004 22:39:21	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	11163	No
GOM_TRA_1PNPDE20040418_224223_000000392026_00087_11163_0006.N1	18-APR-2004 22:42:23	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	11163	No
GOM_TRA_1PNPDE20040418_224603_000000392026_00087_11163_0007.N1	18-APR-2004 22:46:03	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	11163	No
GOM_TRA_1PNPDE20040418_224914_000000382026_00087_11163_0008.N1	18-APR-2004 22:49:14	Bright	37.500	96	68Del Leo	2.5600	9300.0	75	11163	No
GOM_TRA_1PNPDE20040418_225403_000000382026_00087_11163_0009.N1	18-APR-2004 22:54:03	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	11163	No
GOM_TRA_1PNPDE20040418_225547_000000382026_00087_11163_0010.N1	18-APR-2004 22:55:47	Bright	37.500	174	52Psi UMa	3.0040	4400.0	75	11163	No
GOM_TRA_1PNPDE20040418_225804_000000382026_00087_11163_0011.N1	18-APR-2004 22:58:04	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	11163	No
GOM_TRA_1PNPDE20040418_230031_000000352026_00087_11163_0012.N1	18-APR-2004 23:00:31	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	11163	No
GOM_TRA_1PNPDE20040418_230524_000000412026_00087_11163_0013.N1	18-APR-2004 23:05:24	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	11163	No
GOM_TRA_1PNPDE20040418_230829_000000362026_00087_11163_0014.N1	18-APR-2004 23:08:29	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	11163	No
GOM_TRA_1PNPDE20040418_231032_000000622026_00087_11163_0015.N1	18-APR-2004 23:10:32	Bright	61.500	130	23Bet Dra	2.7990	5800.0	123	11163	No
GOM_TRA_1PNPDE20040418_231224_000000652026_00087_11163_0016.N1	18-APR-2004 23:12:24	Bright	64.500	69	33Gam Dra	2.2310	3800.0	129	11163	No
GOM_TRA_1PNPDE20040418_231535_000000422026_00087_11163_0017.N1	18-APR-2004 23:15:35	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	11163	No
GOM_TRA_1PNPDE20040418_231723_000000392026_00087_11163_0018.N1	18-APR-2004 23:17:23	Bright	38.500	68	18Alp Cas	2.2250	4500.0	77	11163	No
GOM_TRA_1PNPDE20040418_232102_000001362026_00087_11163_0019.N1	18-APR-2004 23:21:02	Bright	135.50	5	3Alp Lyr	0.033000	11000.	271	11163	No
GOM_TRA_1PNPDE20040418_232525_000000642026_00087_11163_0020.N1	18-APR-2004 23:25:25	Dark	64.000	92	53Eps Cyg	2.5000	4500.0	128	11163	No
GOM_TRA_1PNPDE20040418_233310_000000632026_00087_11163_0021.N1	18-APR-2004 23:33:10	Dark	62.500	61	8Eps Peg	2.1000	3900.0	125	11163	No
GOM_TRA_1PNPDE20040418_233537_000000492026_00087_11163_0022.N1	18-APR-2004 23:35:37	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	11163	No
GOM_TRA_1PNPDE20040418_233827_000000562026_00087_11163_0023.N1	18-APR-2004 23:38:27	Dark	56.000	154	22Bet Aqr	2.8990	5700.0	112	11163	No
GOM_TRA_1PNPDE20040418_234046_000000492026_00087_11163_0024.N1	18-APR-2004 23:40:46	Dark	49.000	142	49Del Cap	2.8500	8900.0	98	11163	No
GOM_TRA_1PNPDE20040418_234222_000000452026_00087_11163_0025.N1	18-APR-2004 23:42:22	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	11163	No
GOM_TRA_1PNPDE20040418_234712_000000452026_00087_11163_0026.N1	18-APR-2004 23:47:12	Dark	44.500	63	Bet Gru	2.1500	2800.0	89	11163	No
GOM_TRA_1PNPDE20040418_235100_000000442026_00087_11163_0027.N1	18-APR-2004 23:51:00	Dark	43.500	148	Alp Tuc	2.8780	4100.0	87	11163	No
GOM_TRA_1PNPDE20040418_235300_000000422026_00088_11164_0028.N1	18-APR-2004 23:53:00	Dark	41.500	45	Alp Pav	1.9400	26000.	83	11164	No
GOM_TRA_1PNPDE20040418_235644_000000792026_00088_11164_0029.N1	18-APR-2004 23:56:44	Dark	78.500	57	34Sig Sgr	2.0660	26000.	157	11164	No
GOM_TRA_1PNPDE20040418_235908_000000762026_00088_11164_0030.N1	18-APR-2004 23:59:08	Dark	75.500	38	20Eps Sgr	1.8360	11000.	151	11164	No

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



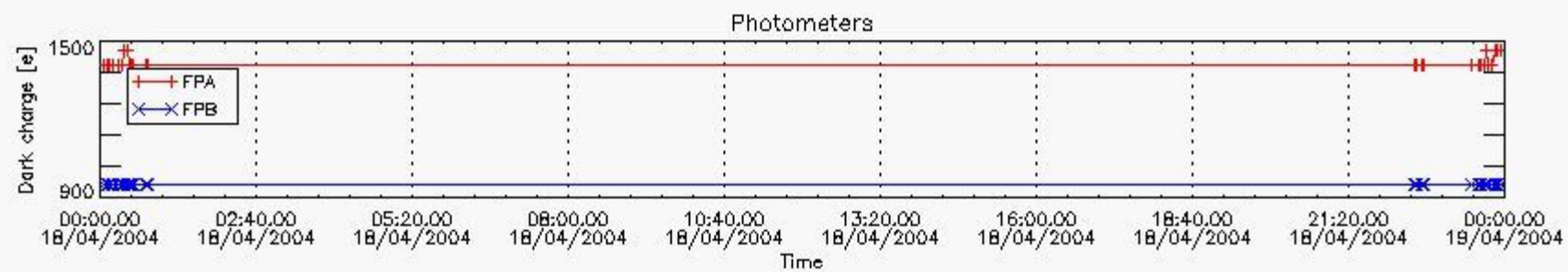
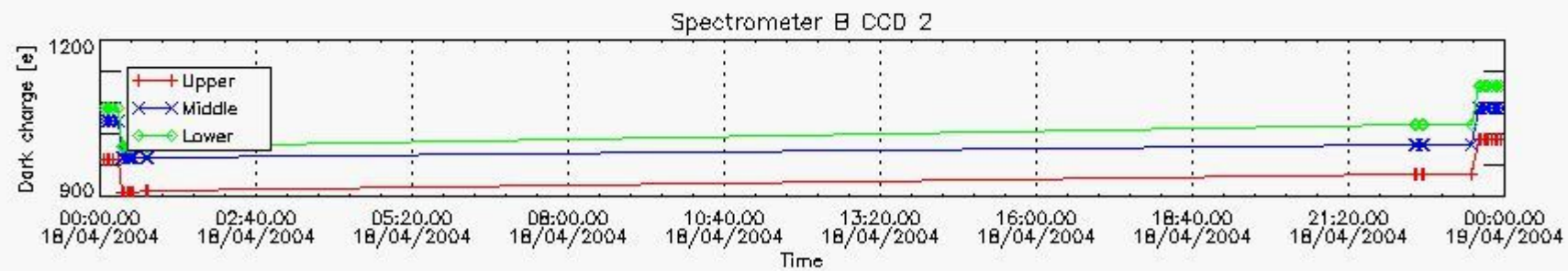
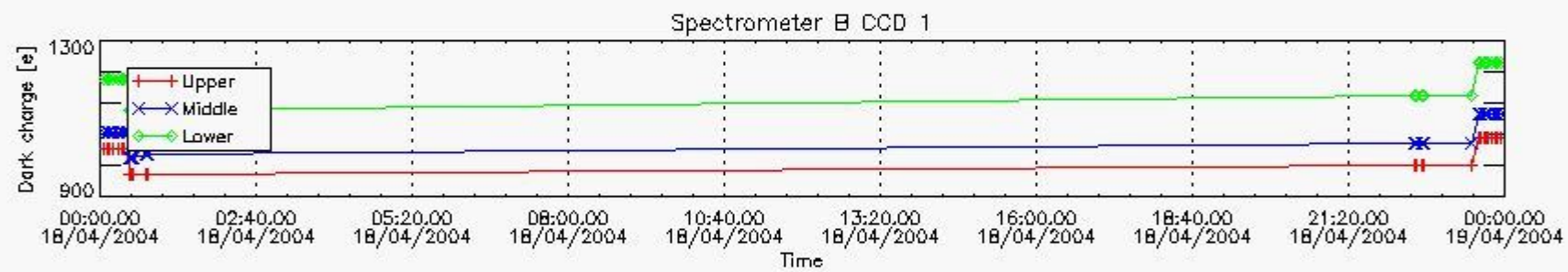
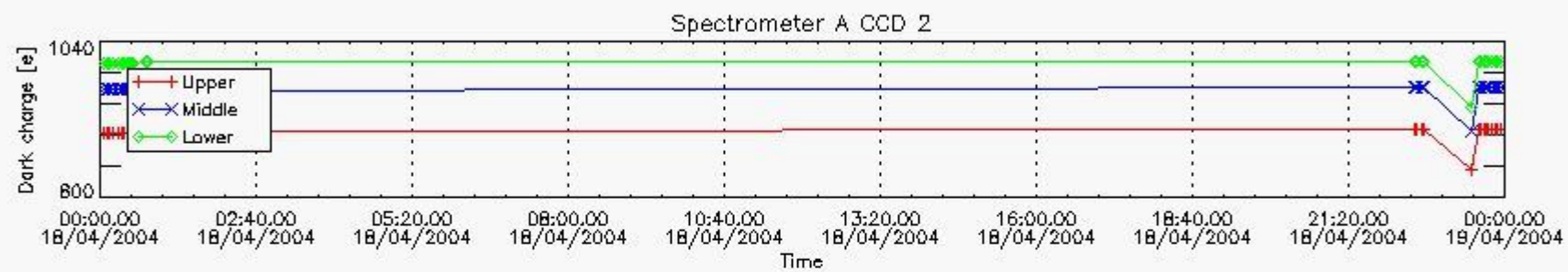
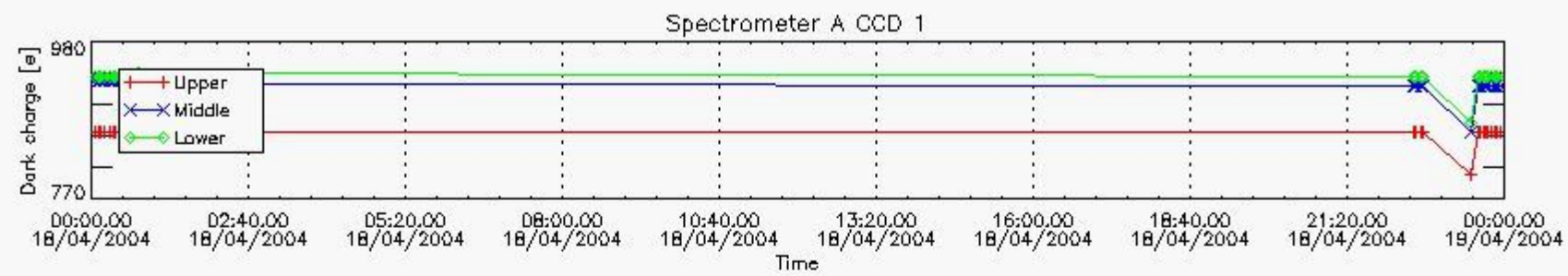
4. Overview of dark signal processing per product

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

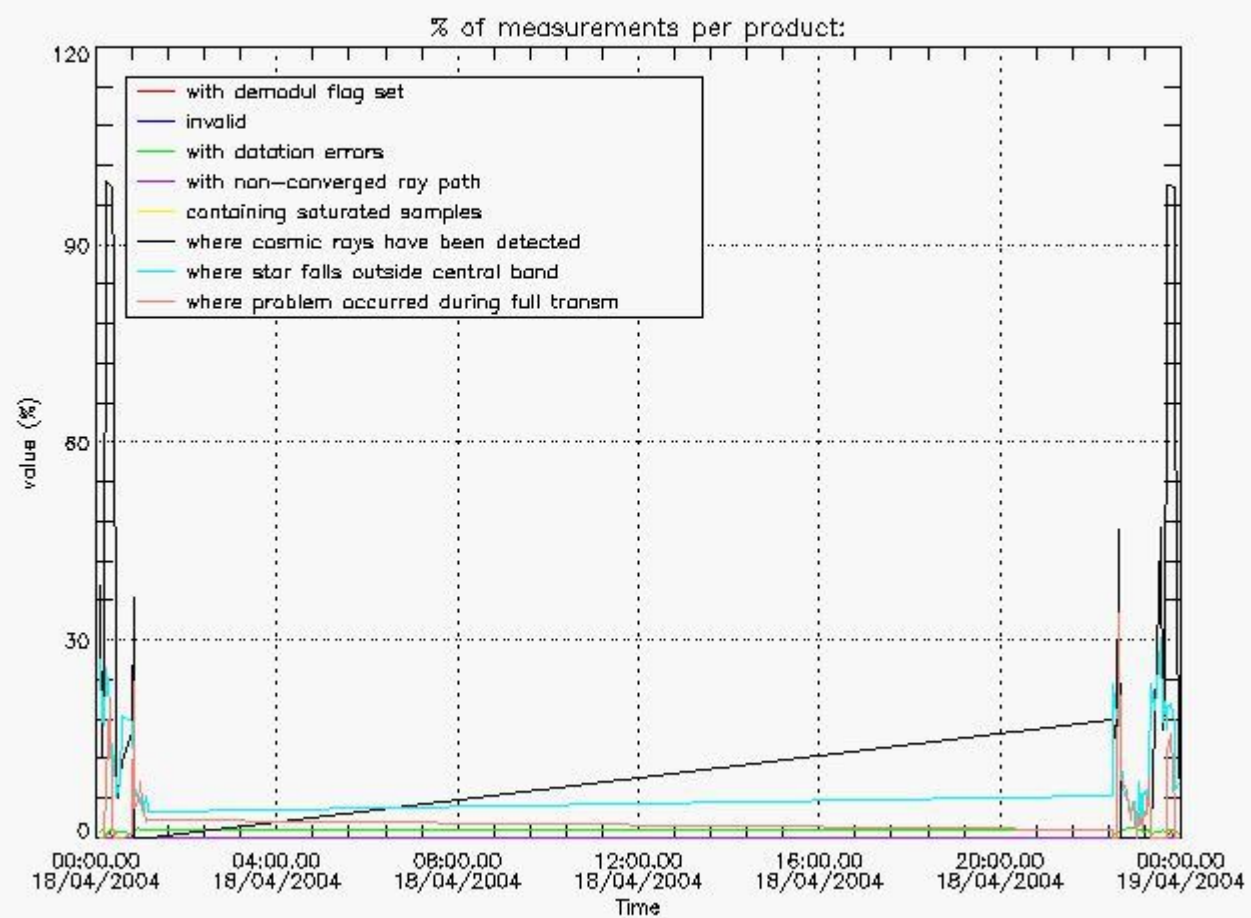


5. Demodulation flag and quality information monitoring

5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	22.4490 %
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



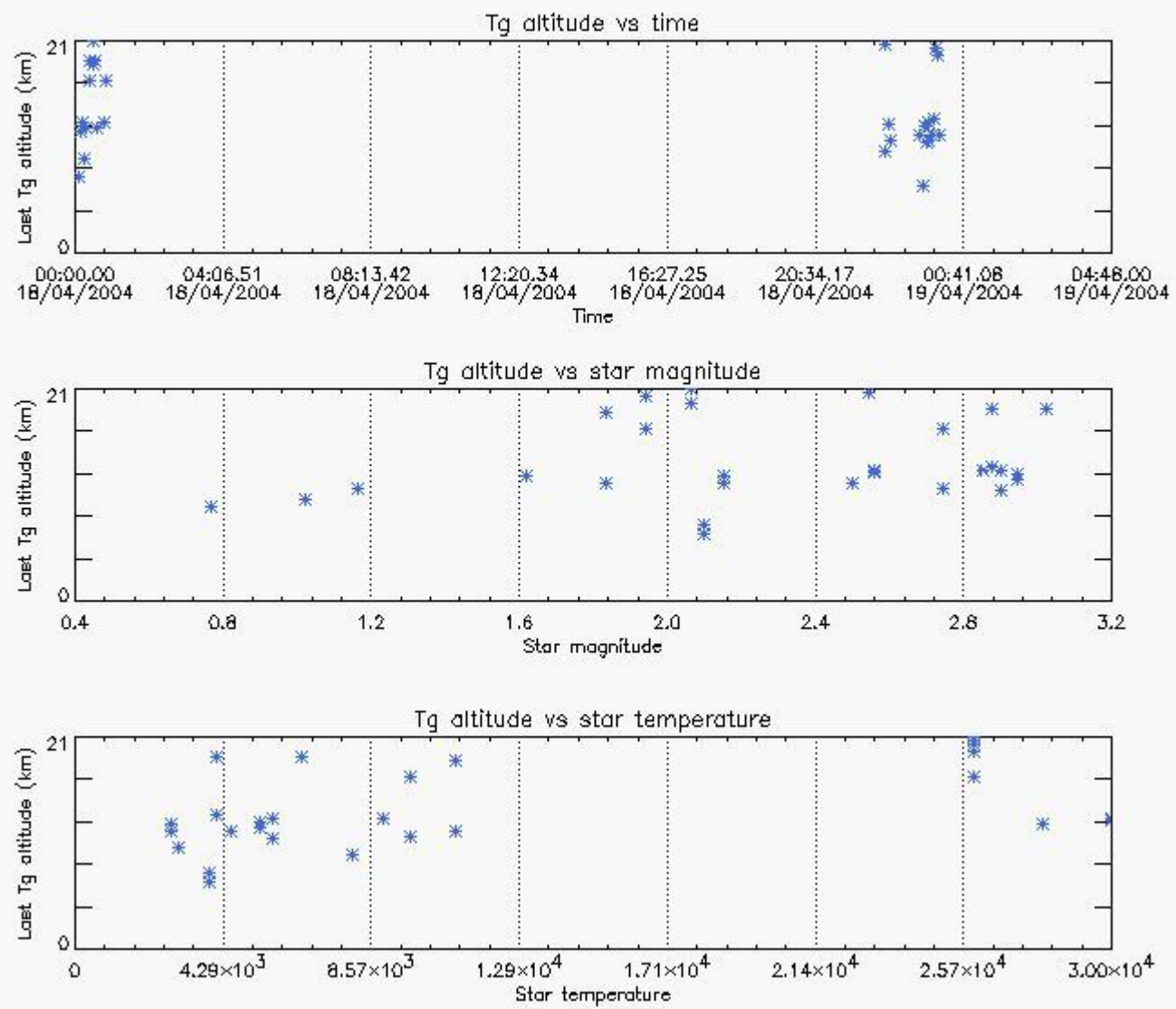
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT
Mean:	13.864	20.447
St. deviation:	4.0731	3.3154
Maximum:	20.972	27.242
Minimum:	6.5814	10.307
Number of data:	28.000	21.000

6.2 Plot for DARK limb products

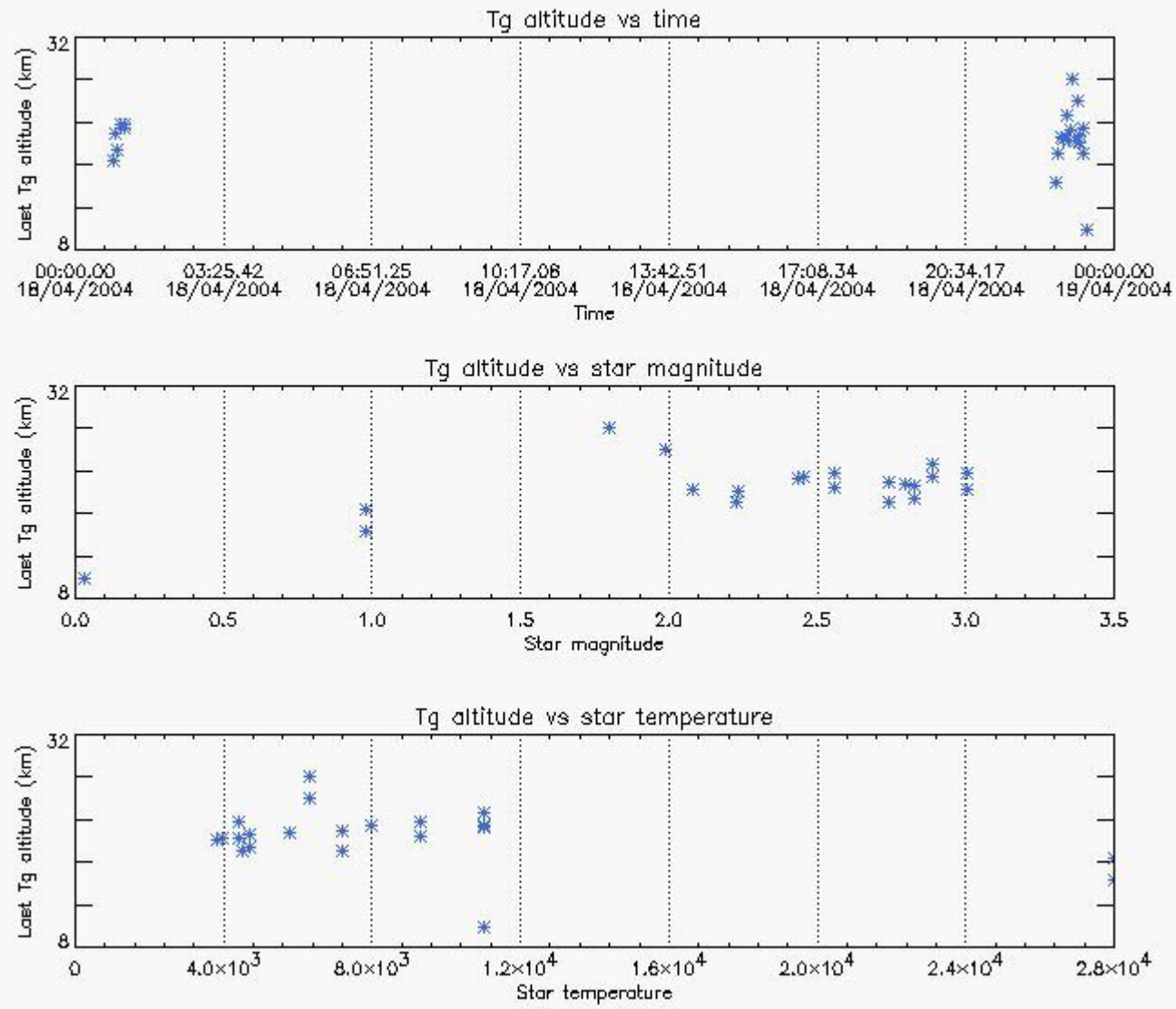
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



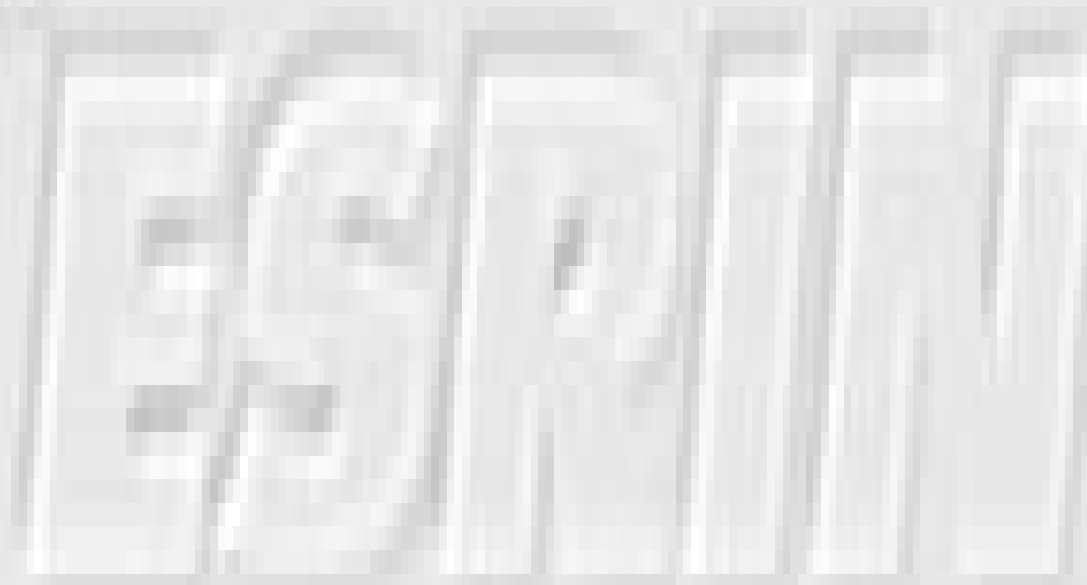
Tangent altitude at which the star is lost



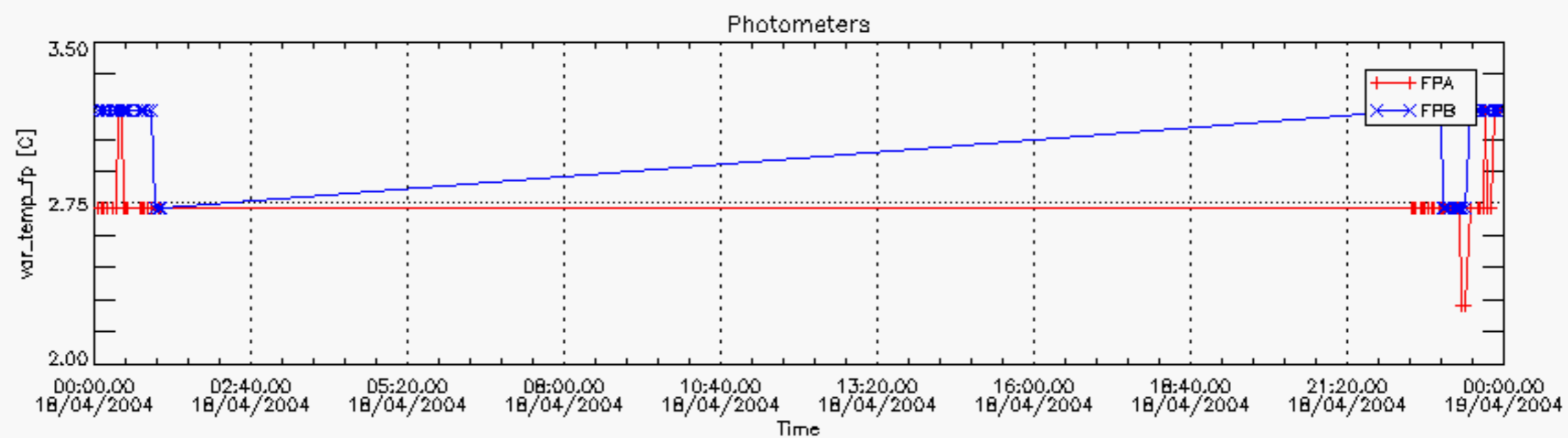
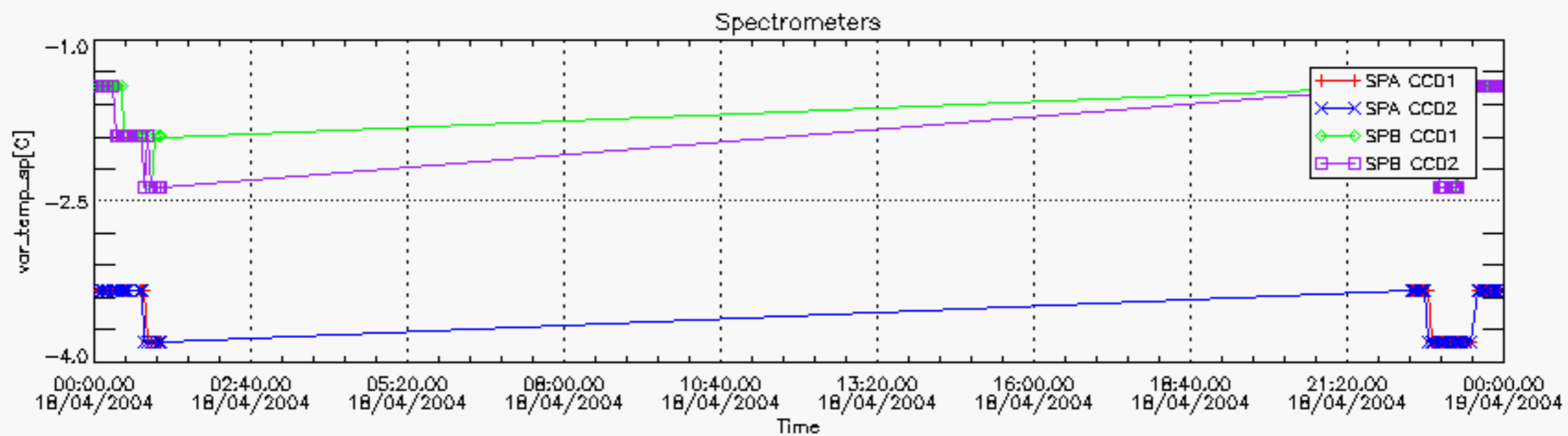
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

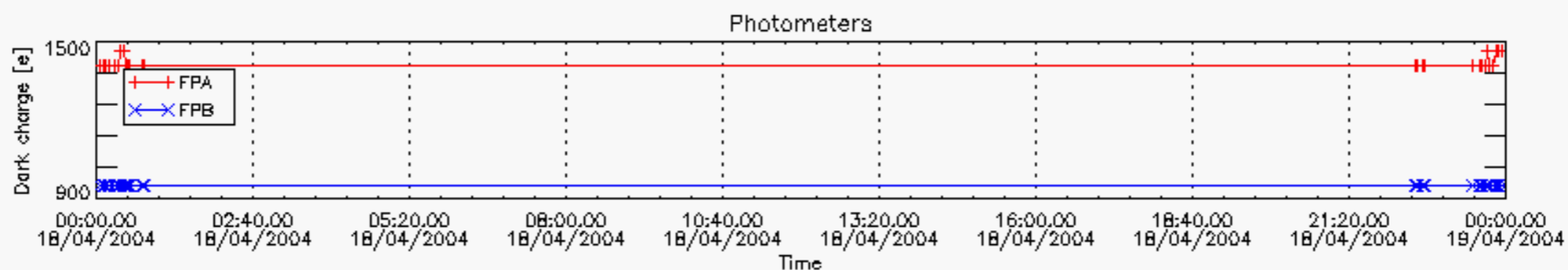
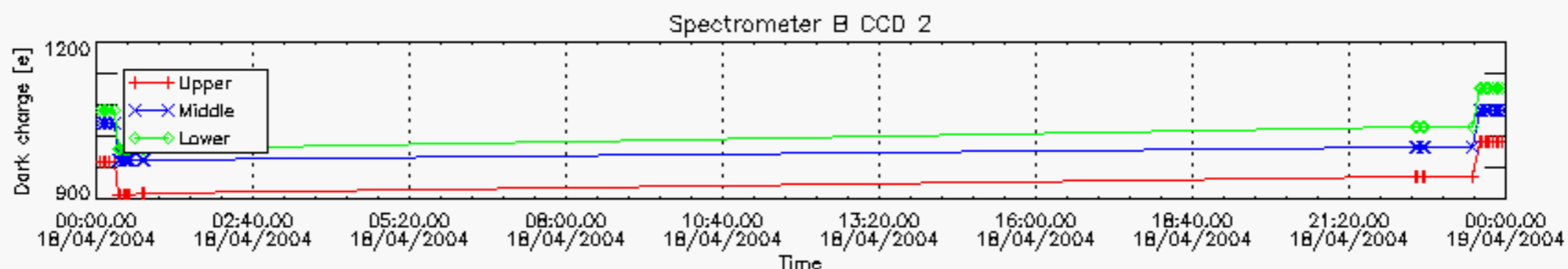
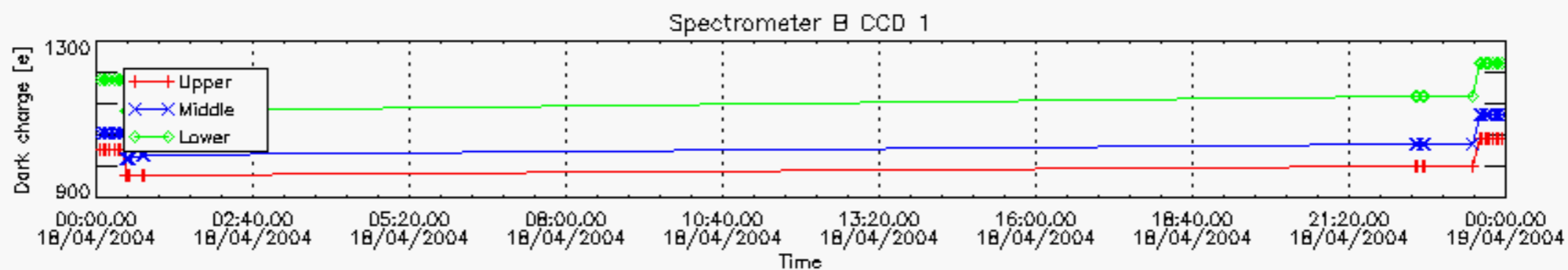
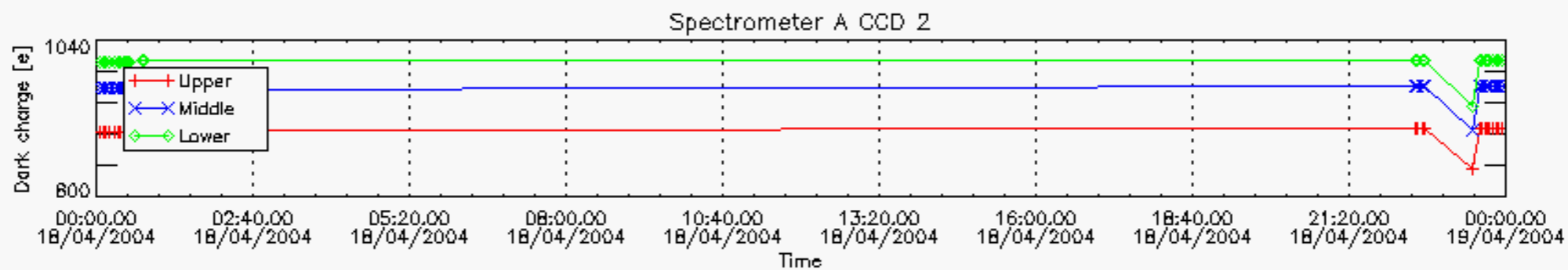
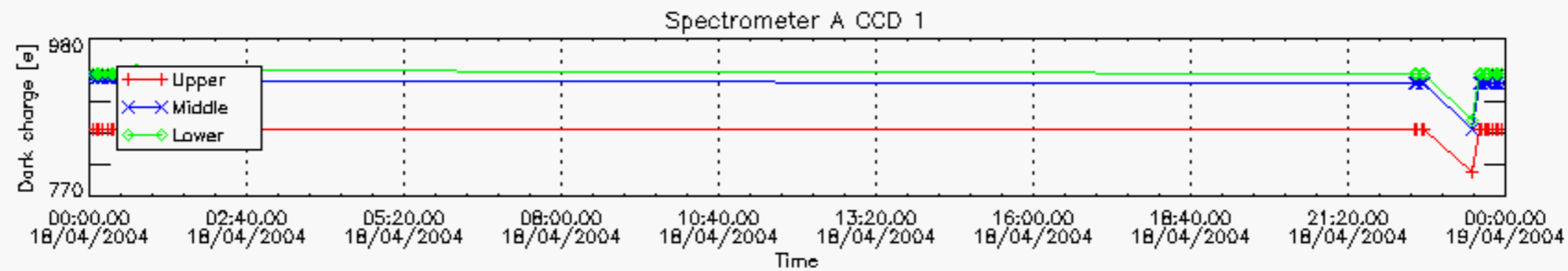
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: 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.

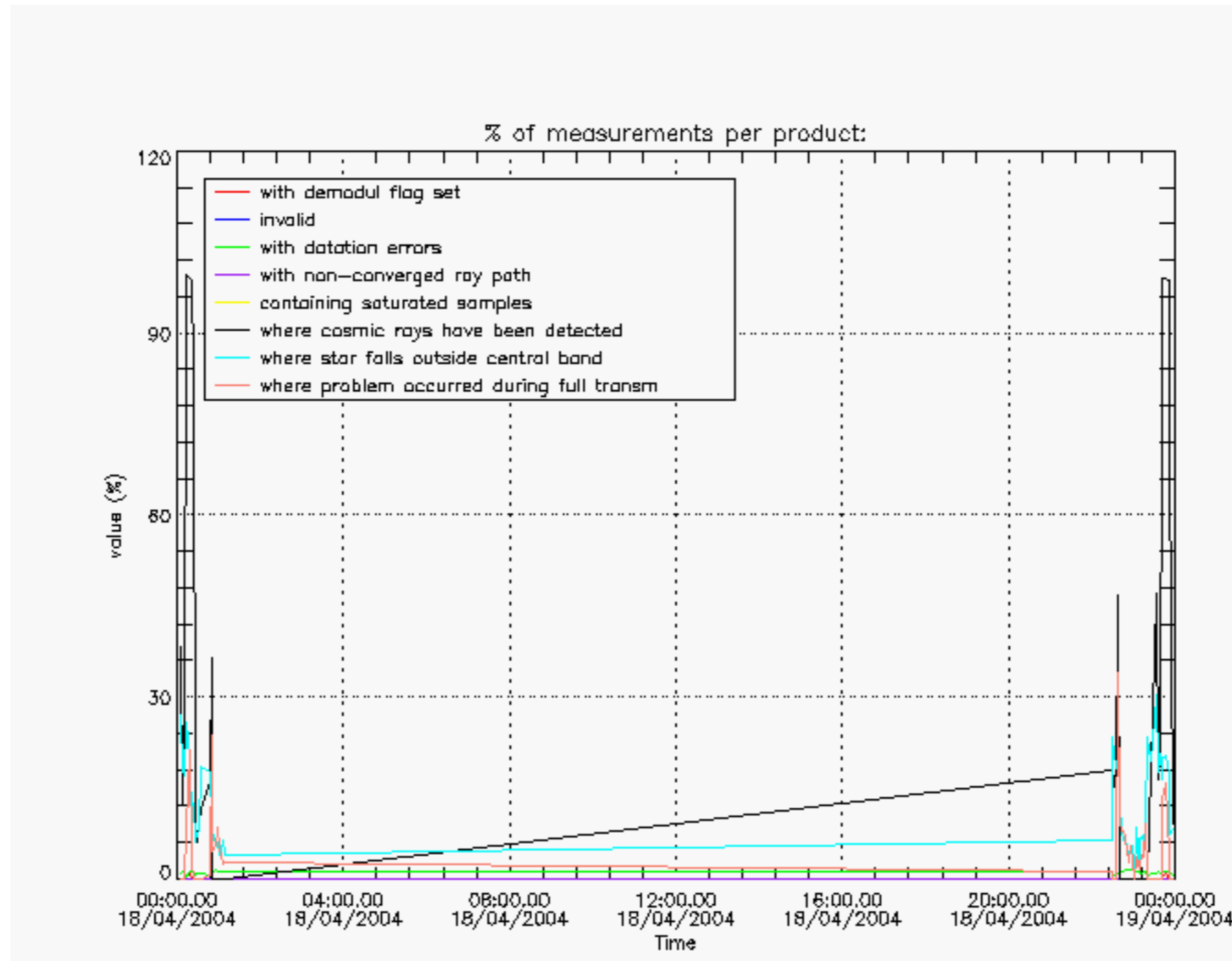
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1462.5	1448.6	1461.4	1447.3
St. deviation:	5.3317	6.0026	7.3134	8.0713
Maximum:	1499.0	1488.0	1511.0	1494.0
Minimum:	1448.0	1440.0	1450.0	1423.0
Number of data:	41200.	41200.	25150.	25150.



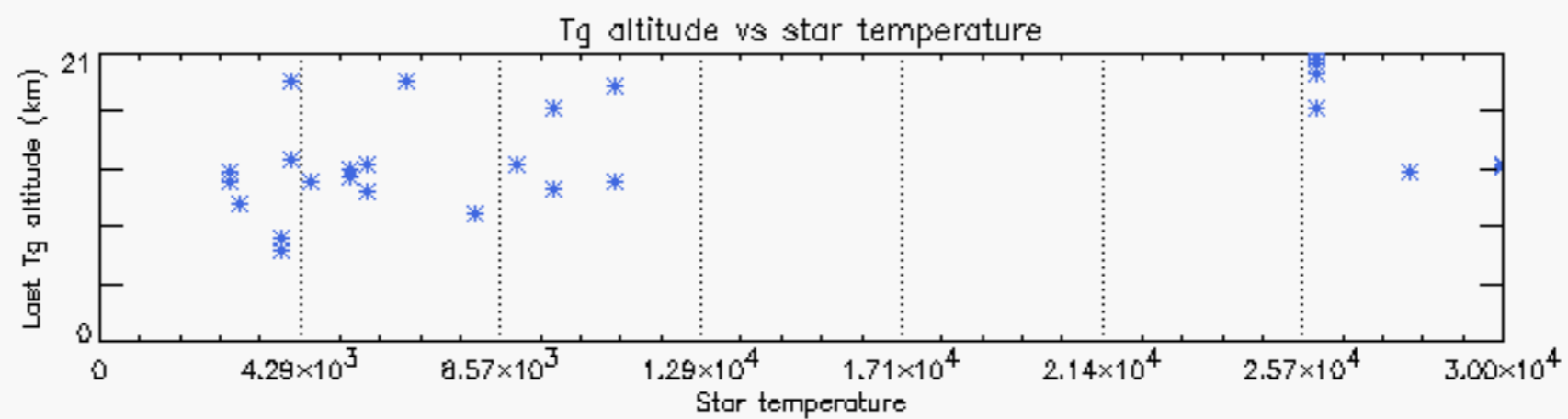
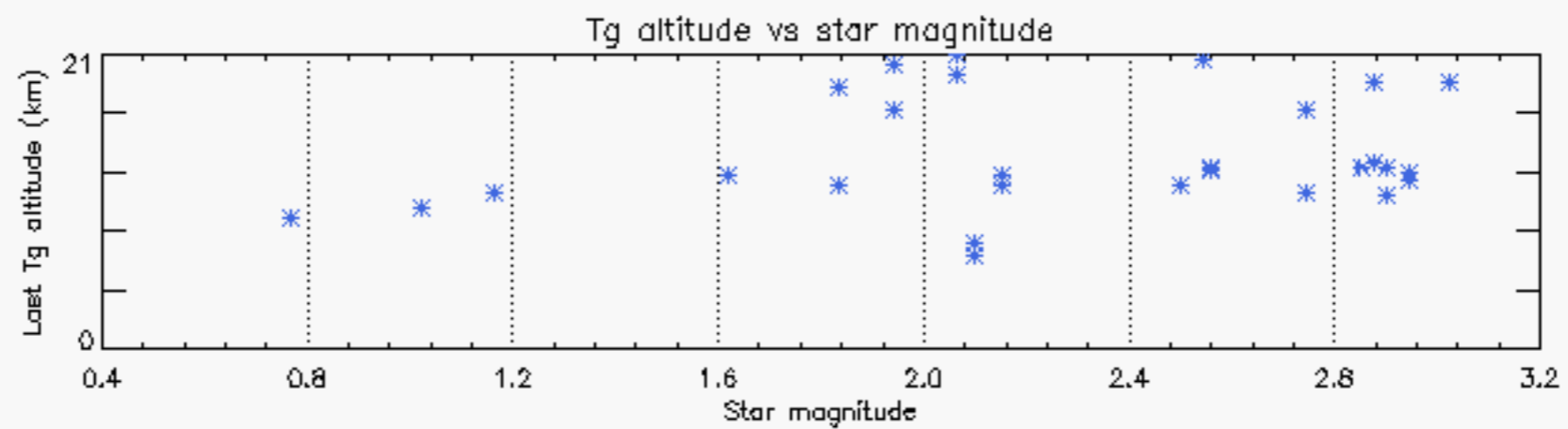
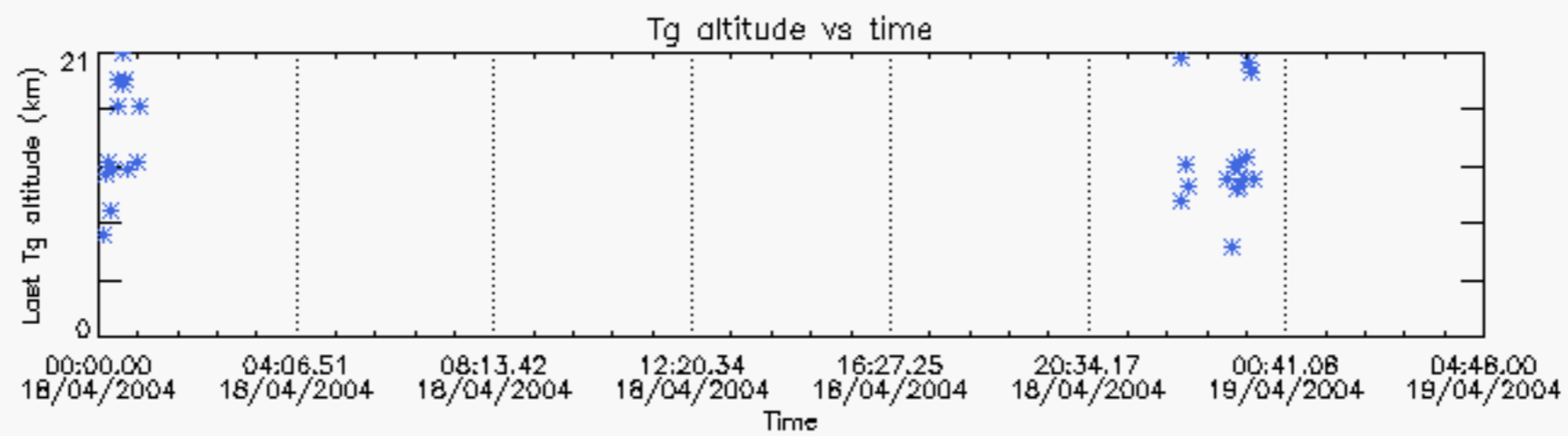




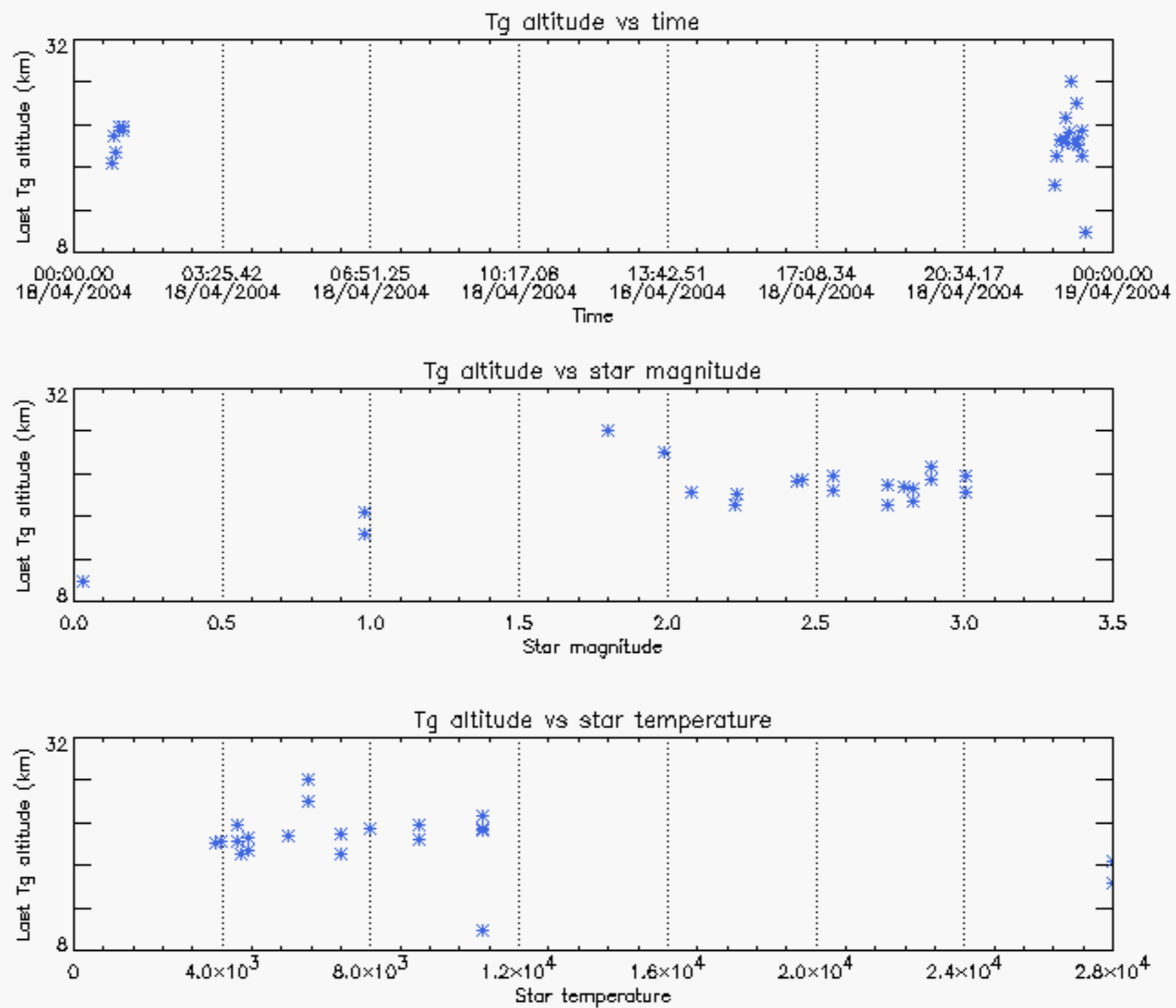




Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



/data4_2/GOMOS/level0/GOM_NL__0PNPDE20040401_012141_000060872025_00332_10907_0118.N1

1;	-4605.9;	01-APR-2004	01:21:41;	Dark	;	50.5;	169;	46Gam	Hya	;	2.99;	4700;	occ;	101;	0;	10907
2;	-4448.9;	01-APR-2004	01:24:18;	Dark	;	48.0;	163;	7Del	Crv	;	2.94;	11000;	occ;	96;	0;	10907
3;	-4349.5;	01-APR-2004	01:25:57;	Dark	;	63.5;	15;	67Alp	Vir	;	0.98;	28000;	occ;	127;	0;	10907
4;	-4154.5;	01-APR-2004	01:29:12;	Bright	;	45.5;	121;	29Gam	Vir	;	2.74;	7200;	occ;	91;	0;	10907
5;	-3877.5;	01-APR-2004	01:33:49;	Bright	;	40.5;	62;	94Bet	Leo	;	2.14;	9700;	occ;	81;	0;	10907
6;	-3781.2;	01-APR-2004	01:35:26;	Bright	;	38.5;	96;	68Del	Leo	;	2.56;	9300;	occ;	77;	0;	10907
7;	-3678.3;	01-APR-2004	01:37:09;	Bright	;	38.0;	166;	17Eps	Leo	;	2.98;	6000;	occ;	76;	0;	10907
8;	-3559.4;	01-APR-2004	01:39:08;	Bright	;	67.5;	111;	8Eta	Boo	;	2.68;	6000;	occ;	135;	0;	10907
9;	-3371.6;	01-APR-2004	01:42:15;	Bright	;	37.0;	174;	52Psi	UMa	;	3.00;	4400;	occ;	74;	0;	10907
10;	-3190.2;	01-APR-2004	01:45:17;	Bright	;	37.5;	87;	64Gam	UMa	;	2.43;	11000;	occ;	75;	0;	10907
11;	-3080.2;	01-APR-2004	01:47:07;	Bright	;	36.0;	36;	50Alp	UMa	;	1.80;	6300;	occ;	72;	0;	10907
12;	-2704.1;	01-APR-2004	01:53:23;	Bright	;	45.0;	60;	7Bet	UMi	;	2.08;	3950;	occ;	90;	0;	10907
13;	-2598.5;	01-APR-2004	01:55:08;	Bright	;	36.5;	49;	1Alp	UMi	;	1.99;	6300;	occ;	73;	0;	10907
14;	-2198.5;	01-APR-2004	02:01:48;	Bright	;	36.5;	76;	27Gam	Cas	;	2.30;	30000;	occ;	73;	0;	10907
15;	-2119.4;	01-APR-2004	02:03:08;	Bright	;	39.5;	68;	18Alp	Cas	;	2.22;	4500;	occ;	79;	0;	10907
16;	-1838.4;	01-APR-2004	02:07:49;	Bright	;	46.5;	144;	18Del	Cyg	;	2.86;	11000;	occ;	93;	0;	10907
17;	-1724.3;	01-APR-2004	02:09:43;	Bright	;	45.0;	66;	37Gam	Cyg	;	2.21;	5900;	occ;	90;	0;	10907
18;	-1602.9;	01-APR-2004	02:11:44;	Bright	;	43.5;	92;	53Eps	Cyg	;	2.50;	4500;	occ;	87;	0;	10907
19;	-1211.6;	01-APR-2004	02:18:15;	Dark	;	49.5;	61;	8Eps	Peg	;	2.10;	3900;	occ;	99;	0;	10907
20;	-992.6;	01-APR-2004	02:21:54;	Dark	;	72.0;	11;	53Alp	Aql	;	0.76;	8000;	occ;	144;	0;	10907
21;	-779.1;	01-APR-2004	02:25:28;	Dark	;	43.0;	142;	49Del	Cap	;	2.85;	8900;	occ;	86;	0;	10907
22;	-443.0;	01-APR-2004	02:31:04;	Dark	;	38.5;	172;	Gam	Gru	;	3.00;	13100;	occ;	77;	0;	10907
23;	-308.6;	01-APR-2004	02:33:18;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	10907
24;	-46.9;	01-APR-2004	02:37:40;	Dark	;	41.5;	45;	Alp	Pav	;	1.94;	26000;	occ;	83;	0;	10907
25;	69.2;	01-APR-2004	02:39:36;	Dark	;	63.5;	116;	19Del	Sgr	;	2.70;	4100;	occ;	127;	0;	10908
26;	300.8;	01-APR-2004	02:43:28;	Dark	;	58.0;	40;	The	Sco	;	1.86;	7100;	occ;	116;	0;	10908
27;	404.0;	01-APR-2004	02:45:11;	Dark	;	47.0;	43;	Alp	TrA	;	1.91;	4250;	occ;	94;	0;	10908
28;	518.1;	01-APR-2004	02:47:05;	Dark	;	41.5;	134;	Bet	TrA	;	2.81;	6600;	occ;	83;	0;	10908
29;	675.2;	01-APR-2004	02:49:42;	Dark	;	54.5;	4;	Alp1Cen		;	-0.01;	5800;	occ;	109;	0;	10908
30;	842.8;	01-APR-2004	02:52:30;	Dark	;	121.0;	16;	21Alp	Sco	;	1.02;	3000;	occ;	242;	0;	10908
31;	1101.7;	01-APR-2004	02:56:49;	Dark	;	53.5;	54;	5The	Cen	;	2.06;	4500;	occ;	107;	0;	10908
32;	1430.1;	01-APR-2004	03:02:17;	Dark	;	52.0;	169;	46Gam	Hya	;	2.99;	4700;	occ;	104;	0;	10908

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1;	-4350.3;	01-APR-2004	11:29:32;	Dark	;	59.0;	15;	67Alp	Vir	;	0.98;	28000;	occ;	118;	0;	10913
2;	-4155.5;	01-APR-2004	11:32:47;	Bright	;	45.5;	121;	29Gam	Vir	;	2.74;	7200;	occ;	91;	0;	10913
3;	-3877.5;	01-APR-2004	11:37:25;	Bright	;	39.0;	62;	94Bet	Leo	;	2.14;	9700;	occ;	78;	0;	10913
4;	-3780.2;	01-APR-2004	11:39:02;	Bright	;	38.0;	96;	68Del	Leo	;	2.56;	9300;	occ;	76;	0;	10913
5;	-3675.9;	01-APR-2004	11:40:47;	Bright	;	38.5;	166;	17Eps	Leo	;	2.98;	6000;	occ;	77;	0;	10913
6;	-3567.0;	01-APR-2004	11:42:35;	Bright	;	67.5;	111;	8Eta	Boo	;	2.68;	6000;	occ;	135;	0;	10913
7;	-3371.8;	01-APR-2004	11:45:51;	Bright	;	37.5;	174;	52Psi	UMa	;	3.00;	4400;	occ;	75;	0;	10913
8;	-3191.5;	01-APR-2004	11:48:51;	Bright	;	38.5;	87;	64Gam	UMa	;	2.43;	11000;	occ;	77;	0;	10913
9;	-3080.1;	01-APR-2004	11:50:42;	Bright	;	39.5;	36;	50Alp	UMa	;	1.80;	6300;	occ;	79;	0;	10913
10;	-2703.5;	01-APR-2004	11:56:59;	Bright	;	42.0;	60;	7Bet	UMi	;	2.08;	3950;	occ;	84;	0;	10913
11;	-2597.4;	01-APR-2004	11:58:45;	Bright	;	36.0;	49;	1Alp	UMi	;	1.99;	6300;	occ;	72;	0;	10913
12;	-2197.2;	01-APR-2004	12:05:25;	Bright	;	36.0;	76;	27Gam	Cas	;	2.30;	30000;	occ;	72;	0;	10913
13;	-2117.2;	01-APR-2004	12:06:45;	Bright	;	35.0;	68;	18Alp	Cas	;	2.22;	4500;	occ;	70;	0;	10913
14;	-1839.6;	01-APR-2004	12:11:23;	Bright	;	47.5;	144;	18Del	Cyg	;	2.86;	11000;	occ;	95;	0;	10913
15;	-1724.7;	01-APR-2004	12:13:18;	Bright	;	46.5;	66;	37Gam	Cyg	;	2.21;	5900;	occ;	93;	0;	10913
16;	-1602.9;	01-APR-2004	12:15:20;	Bright	;	44.5;	92;	53Eps	Cyg	;	2.50;	4500;	occ;	89;	0;	10913
17;	-1207.7;	01-APR-2004	12:21:55;	Dark	;	49.5;	61;	8Eps	Peg	;	2.10;	3900;	occ;	99;	0;	10913
18;	-987.3;	01-APR-2004	12:25:35;	Dark	;	65.5;	11;	53Alp	Aql	;	0.76;	8000;	occ;	131;	0;	10913
19;	-777.3;	01-APR-2004	12:29:05;	Dark	;	41.5;	142;	49Del	Cap	;	2.85;	8900;	occ;	83;	0;	10913
20;	-441.2;	01-APR-2004	12:34:41;	Dark	;	39.0;	172;	Gam	Gru	;	3.00;	13100;	occ;	78;	0;	10913
21;	-296.3;	01-APR-2004	12:37:06;	Dark	;	43.5;	31;	Alp	Gru	;	1.73;	15200;	occ;	87;	0;	10913
22;	-166.1;	01-APR-2004	12:39:16;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	10913
23;	-42.3;	01-APR-2004	12:41:20;	Dark	;	45.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	90;	0;	10913
24;	77.2;	01-APR-2004	12:43:20;	Dark	;	61.5;	116;	19Del	Sgr	;	2.70;	4100;	occ;	123;	0;	10914
25;	288.8;	01-APR-2004	12:46:51;	Dark	;	56.0;	85;	Kap	Sco	;	2.41;	28000;	occ;	112;	0;	10914
26;	409.6;	01-APR-2004	12:48:52;	Dark	;	39.0;	43;	Alp	TrA	;	1.91;	4250;	occ;	78;	0;	10914
27;	521.5;	01-APR-2004	12:50:44;	Dark	;	40.0;	134;	Bet	TrA	;	2.81;	6600;	occ;	80;	0;	10914
28;	679.2;	01-APR-2004	12:53:22;	Dark	;	55.0;	4;	Alp1Cen		;	-0.01;	5800;	occ;	110;	0;	10914
29;	813.2;	01-APR-2004	12:55:36;	Dark	;	46.0;	12;	Alp1Cru		;	0.77;	30000;	occ;	92;	0;	10914
30;	899.4;	01-APR-2004	12:57:02;	Dark	;	46.0;	26;	Gam	Cru	;	1.62;	2900;	occ;	92;	0;	10914
31;	1017.2;	01-APR-2004	12:59:00;	Dark	;	42.0;	64;	Gam	Cen	;	2.20;	10600;	occ;	84;	0;	10914
32;	1104.9;	01-APR-2004	13:00:27;	Dark	;	56.0;	54;	5The	Cen	;	2.06;	4500;	occ;	112;	0;	10914
33;	1255.2;	01-APR-2004	13:02:58;	Dark	;	149.5;	97;	8Bet1Sco		;	2.56;	30000;	occ;	299;	0;	10914
34;	1578.4;	01-APR-2004	13:08:21;	Dark	;	14.0;	100;	4Gam	Crv	;	2.58;	13100;	occ;	28;	0;	10914

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2;	-4350.3;	01-APR-2004	13:10:08;	Dark	;	68.0;	15;	67Alp Vir	;	0.98;	28000;occ;	136;	0;	10914
3;	-4155.5;	01-APR-2004	13:13:23;	Bright;		45.5;	121;	29Gam Vir	;	2.74;	7200;occ;	91;	0;	10914
4;	-3877.4;	01-APR-2004	13:18:01;	Bright;		39.5;	62;	94Bet Leo	;	2.14;	9700;occ;	79;	0;	10914
5;	-3780.3;	01-APR-2004	13:19:38;	Bright;		38.0;	96;	68Del Leo	;	2.56;	9300;occ;	76;	0;	10914
6;	-3675.7;	01-APR-2004	13:21:23;	Bright;		39.0;	166;	17Eps Leo	;	2.98;	6000;occ;	78;	0;	10914
7;	-3568.6;	01-APR-2004	13:23:10;	Bright;		63.5;	111;	8Eta Boo	;	2.68;	6000;occ;	127;	0;	10914
8;	-3371.9;	01-APR-2004	13:26:26;	Bright;		38.5;	174;	52Psi UMa	;	3.00;	4400;occ;	77;	0;	10914
9;	-3191.9;	01-APR-2004	13:29:26;	Bright;		40.0;	87;	64Gam UMa	;	2.43;	11000;occ;	80;	0;	10914
10;	-3080.2;	01-APR-2004	13:31:18;	Bright;		39.0;	36;	50Alp UMa	;	1.80;	6300;occ;	78;	0;	10914
11;	-2704.1;	01-APR-2004	13:37:34;	Bright;		41.5;	60;	7Bet UMi	;	2.08;	3950;occ;	83;	0;	10914
12;	-2597.1;	01-APR-2004	13:39:21;	Bright;		37.5;	49;	1Alp UMi	;	1.99;	6300;occ;	75;	0;	10914
13;	-2196.8;	01-APR-2004	13:46:02;	Bright;		35.0;	76;	27Gam Cas	;	2.30;	30000;occ;	70;	0;	10914
14;	-2116.5;	01-APR-2004	13:47:22;	Bright;		35.0;	68;	18Alp Cas	;	2.22;	4500;occ;	70;	0;	10914
15;	-1840.0;	01-APR-2004	13:51:58;	Bright;		47.5;	144;	18Del Cyg	;	2.86;	11000;occ;	95;	0;	10914
16;	-1724.5;	01-APR-2004	13:53:54;	Bright;		46.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	92;	0;	10914
17;	-1602.8;	01-APR-2004	13:55:56;	Bright;		47.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	94;	0;	10914
18;	-1207.2;	01-APR-2004	14:02:31;	Dark	;	48.5;	61;	8Eps Peg	;	2.10;	3900;occ;	97;	0;	10914
19;	-986.9;	01-APR-2004	14:06:11;	Dark	;	63.0;	11;	53Alp Aql	;	0.76;	8000;occ;	126;	0;	10914
20;	-776.5;	01-APR-2004	14:09:42;	Dark	;	43.5;	142;	49Del Cap	;	2.85;	8900;occ;	87;	0;	10914
21;	-440.8;	01-APR-2004	14:15:18;	Dark	;	40.0;	172;	Gam Gru	;	3.00;	13100;occ;	80;	0;	10914
22;	-296.1;	01-APR-2004	14:17:42;	Dark	;	42.0;	31;	Alp Gru	;	1.73;	15200;occ;	84;	0;	10914
23;	-165.8;	01-APR-2004	14:19:53;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	10914
24;	-41.7;	01-APR-2004	14:21:57;	Dark	;	39.5;	45;	Alp Pav	;	1.94;	26000;occ;	79;	0;	10914
25;	78.9;	01-APR-2004	14:23:57;	Dark	;	67.5;	116;	19Del Sgr	;	2.70;	4100;occ;	135;	0;	10915
26;	290.1;	01-APR-2004	14:27:28;	Dark	;	53.5;	85;	Kap Sco	;	2.41;	28000;occ;	107;	0;	10915
27;	410.0;	01-APR-2004	14:29:28;	Dark	;	41.0;	43;	Alp TrA	;	1.91;	4250;occ;	82;	0;	10915
28;	522.1;	01-APR-2004	14:31:20;	Dark	;	40.0;	134;	Bet TrA	;	2.81;	6600;occ;	80;	0;	10915
29;	679.0;	01-APR-2004	14:33:57;	Dark	;	49.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	99;	0;	10915
30;	813.4;	01-APR-2004	14:36:12;	Dark	;	39.0;	12;	Alp1Cru	;	0.77;	30000;occ;	78;	0;	10915
31;	899.7;	01-APR-2004	14:37:38;	Dark	;	46.0;	26;	Gam Cru	;	1.62;	2900;occ;	92;	0;	10915
32;	1017.6;	01-APR-2004	14:39:36;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;	10915
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2;	-4350.2;	01-APR-2004	03:06:33;	Dark	;	66.5;	15;	67Alp Vir	;	0.98;	28000;occ;	133;	0;	10908
3;	-4155.4;	01-APR-2004	03:09:48;	Bright;		45.5;	121;	29Gam Vir	;	2.74;	7200;occ;	91;	0;	10908
4;	-3877.7;	01-APR-2004	03:14:25;	Bright;		40.5;	62;	94Bet Leo	;	2.14;	9700;occ;	81;	0;	10908
5;	-3781.3;	01-APR-2004	03:16:02;	Bright;		39.0;	96;	68Del Leo	;	2.56;	9300;occ;	78;	0;	10908
6;	-3677.6;	01-APR-2004	03:17:45;	Bright;		37.5;	166;	17Eps Leo	;	2.98;	6000;occ;	75;	0;	10908
7;	-3561.1;	01-APR-2004	03:19:42;	Bright;		67.5;	111;	8Eta Boo	;	2.68;	6000;occ;	135;	0;	10908
8;	-3371.1;	01-APR-2004	03:22:52;	Bright;		37.0;	174;	52Psi UMa	;	3.00;	4400;occ;	74;	0;	10908
9;	-3190.5;	01-APR-2004	03:25:52;	Bright;		39.5;	87;	64Gam UMa	;	2.43;	11000;occ;	79;	0;	10908
10;	-3081.0;	01-APR-2004	03:27:42;	Bright;		37.5;	36;	50Alp UMa	;	1.80;	6300;occ;	75;	0;	10908
11;	-2702.2;	01-APR-2004	03:34:01;	Bright;		41.5;	60;	7Bet UMi	;	2.08;	3950;occ;	83;	0;	10908
12;	-2597.8;	01-APR-2004	03:35:45;	Bright;		38.5;	49;	1Alp UMi	;	1.99;	6300;occ;	77;	0;	10908
13;	-2198.5;	01-APR-2004	03:42:24;	Bright;		36.0;	76;	27Gam Cas	;	2.30;	30000;occ;	72;	0;	10908
14;	-2118.5;	01-APR-2004	03:43:44;	Bright;		36.0;	68;	18Alp Cas	;	2.22;	4500;occ;	72;	0;	10908
15;	-1838.8;	01-APR-2004	03:48:24;	Bright;		47.0;	144;	18Del Cyg	;	2.86;	11000;occ;	94;	0;	10908
16;	-1724.7;	01-APR-2004	03:50:18;	Bright;		46.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	92;	0;	10908
17;	-1602.9;	01-APR-2004	03:52:20;	Bright;		41.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	83;	0;	10908
18;	-1209.0;	01-APR-2004	03:58:54;	Dark	;	49.0;	61;	8Eps Peg	;	2.10;	3900;occ;	98;	0;	10908
19;	-991.8;	01-APR-2004	04:02:31;	Dark	;	67.5;	11;	53Alp Aql	;	0.76;	8000;occ;	135;	0;	10908
20;	-779.3;	01-APR-2004	04:06:04;	Dark	;	42.0;	142;	49Del Cap	;	2.85;	8900;occ;	84;	0;	10908
21;	-442.8;	01-APR-2004	04:11:40;	Dark	;	41.0;	172;	Gam Gru	;	3.00;	13100;occ;	82;	0;	10908
22;	-307.8;	01-APR-2004	04:13:55;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	10908
23;	-46.5;	01-APR-2004	04:18:16;	Dark	;	42.5;	45;	Alp Pav	;	1.94;	26000;occ;	85;	0;	10908
24;	70.2;	01-APR-2004	04:20:13;	Dark	;	65.0;	116;	19Del Sgr	;	2.70;	4100;occ;	130;	0;	10909
25;	302.0;	01-APR-2004	04:24:05;	Dark	;	53.5;	40;	The Sco	;	1.86;	7100;occ;	107;	0;	10909
26;	406.8;	01-APR-2004	04:25:50;	Dark	;	45.0;	43;	Alp TrA	;	1.91;	4250;occ;	90;	0;	10909
27;	518.4;	01-APR-2004	04:27:41;	Dark	;	42.0;	134;	Bet TrA	;	2.81;	6600;occ;	84;	0;	10909
28;	676.7;	01-APR-2004	04:30:20;	Dark	;	46.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	93;	0;	10909
29;	844.1;	01-APR-2004	04:33:07;	Dark	;	108.5;	16;	21Alp Sco	;	1.02;	3000;occ;	217;	0;	10909
30;	1102.1;	01-APR-2004	04:37:25;	Dark	;	54.5;	54;	5The Cen	;	2.06;	4500;occ;	109;	0;	10909
31;	1430.3;	01-APR-2004	04:42:53;	Dark	;	50.5;	169;	46Gam Hya	;	2.99;	4700;occ;	101;	0;	10909
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2;-4527.4; 21-APR-2004 00:54:13; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;11193
3;-4342.3; 21-APR-2004 00:57:18; Bright; 46.0; 15; 67Alp Vir ; 0.98; 28000;occ; 92; 0;11193

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4;	-4158.7;	21-APR-2004	01:00:22;	Bright;	39.5;	121;	29Gam	Vir	;	2.74;	7200;occ;	79;	0;	11193	
5;	-3944.1;	21-APR-2004	01:03:57;	Bright;	40.5;	138;	47Eps	Vir	;	2.83;	4700;occ;	81;	0;	11193	
6;	-3767.8;	21-APR-2004	01:06:53;	Bright;	44.0;	111;	8Eta	Boo	;	2.68;	6000;occ;	88;	0;	11193	
7;	-3466.4;	21-APR-2004	01:11:54;	Bright;	38.5;	152;	12Alp2	CVn	;	2.89;	11000;occ;	77;	0;	11193	
8;	-3350.4;	21-APR-2004	01:13:50;	Bright;	39.0;	174;	52Psi	UMa	;	3.00;	4400;occ;	78;	0;	11193	
9;	-3218.7;	21-APR-2004	01:16:02;	Bright;	38.0;	87;	64Gam	UMa	;	2.43;	11000;occ;	76;	0;	11193	
10;	-3068.8;	21-APR-2004	01:18:32;	Bright;	40.5;	36;	50Alp	UMa	;	1.80;	6300;occ;	81;	0;	11193	
11;	-2786.9;	21-APR-2004	01:23:14;	Bright;	41.0;	60;	7Bet	UMi	;	2.08;	3950;occ;	82;	0;	11193	
12;	-2390.7;	21-APR-2004	01:29:50;	Bright;	65.0;	69;	33Gam	Dra	;	2.23;	3800;occ;	130;	0;	11193	
13;	-2174.4;	21-APR-2004	01:33:26;	Bright;	41.5;	89;	5Alp	Cep	;	2.45;	8000;occ;	83;	0;	11193	
14;	-2084.6;	21-APR-2004	01:34:56;	Bright;	37.5;	74;	11Bet	Cas	;	2.27;	6600;occ;	75;	0;	11193	
15;	-1868.7;	21-APR-2004	01:38:32;	Bright;	137.0;	5;	3Alp	Lyr	;	0.03;	11000;occ;	274;	0;	11193	
16;	-1575.1;	21-APR-2004	01:43:26;	Dark	;	69.5;	92;	53Eps	Cyg	;	2.50;	4500;occ;	139;	0;	11193
17;	-1304.6;	21-APR-2004	01:47:56;	Dark	;	48.0;	90;	54Alp	Peg	;	2.49;	11000;occ;	96;	0;	11193
18;	-1097.7;	21-APR-2004	01:51:23;	Dark	;	53.0;	61;	8Eps	Peg	;	2.10;	3900;occ;	106;	0;	11193
19;	-951.0;	21-APR-2004	01:53:50;	Dark	;	51.0;	162;	34Alp	Aqr	;	2.94;	5350;occ;	102;	0;	11193
20;	-772.9;	21-APR-2004	01:56:48;	Dark	;	54.5;	154;	22Bet	Aqr	;	2.90;	5700;occ;	109;	0;	11193
21;	-554.1;	21-APR-2004	02:00:27;	Dark	;	49.5;	18;	24Alp	PsA	;	1.17;	9700;occ;	99;	0;	11193
22;	-310.5;	21-APR-2004	02:04:30;	Dark	;	59.5;	0;			;	0.00;	0;occ;	119;	0;	11193
23;	-35.3;	21-APR-2004	02:09:06;	Dark	;	39.5;	148;	Alp	Tuc	;	2.88;	4100;occ;	79;	0;	11193
24;	95.2;	21-APR-2004	02:11:16;	Dark	;	43.0;	45;	Alp	Pav	;	1.94;	26000;occ;	86;	0;	11194
25;	362.3;	21-APR-2004	02:15:43;	Dark	;	82.0;	57;	34Sig	Sgr	;	2.07;	26000;occ;	164;	0;	11194
26;	523.7;	21-APR-2004	02:18:24;	Dark	;	42.0;	43;	Alp	TrA	;	1.91;	4250;occ;	84;	0;	11194
27;	613.8;	21-APR-2004	02:19:55;	Dark	;	60.5;	40;	The	Sco	;	1.86;	7100;occ;	121;	0;	11194
28;	789.4;	21-APR-2004	02:22:50;	Dark	;	44.5;	4;	Alp1	Cen	;	-0.01;	5800;occ;	89;	0;	11194
29;	905.6;	21-APR-2004	02:24:46;	Dark	;	43.0;	20;	Bet	Cru	;	1.25;	30000;occ;	86;	0;	11194
30;	1083.2;	21-APR-2004	02:27:44;	Dark	;	40.0;	64;	Gam	Cen	;	2.20;	10600;occ;	80;	0;	11194
31;	1216.3;	21-APR-2004	02:29:57;	Dark	;	48.0;	54;	5The	Cen	;	2.06;	4500;occ;	96;	0;	11194
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2;	-4342.3;	21-APR-2004	02:37:54;	Bright;	46.0;	15;	67Alp	Vir	;	0.98;	28000;occ;	92;	0;	11194	
3;	-4160.4;	21-APR-2004	02:40:56;	Bright;	41.0;	121;	29Gam	Vir	;	2.74;	7200;occ;	82;	0;	11194	
4;	-3944.1;	21-APR-2004	02:44:33;	Bright;	40.5;	138;	47Eps	Vir	;	2.83;	4700;occ;	81;	0;	11194	
5;	-3768.1;	21-APR-2004	02:47:29;	Bright;	44.0;	111;	8Eta	Boo	;	2.68;	6000;occ;	88;	0;	11194	
6;	-3466.6;	21-APR-2004	02:52:30;	Bright;	39.0;	152;	12Alp2	CVn	;	2.89;	11000;occ;	78;	0;	11194	
7;	-3350.0;	21-APR-2004	02:54:27;	Bright;	38.5;	174;	52Psi	UMa	;	3.00;	4400;occ;	77;	0;	11194	
8;	-3220.5;	21-APR-2004	02:56:36;	Bright;	40.0;	87;	64Gam	UMa	;	2.43;	11000;occ;	80;	0;	11194	
9;	-3068.7;	21-APR-2004	02:59:08;	Bright;	40.5;	36;	50Alp	UMa	;	1.80;	6300;occ;	81;	0;	11194	
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11;	-2391.8;	21-APR-2004	03:10:25;	Bright;	64.0;	69;	33Gam	Dra	;	2.23;	3800;occ;	128;	0;	11194	
12;	-2174.8;	21-APR-2004	03:14:02;	Bright;	43.0;	89;	5Alp	Cep	;	2.45;	8000;occ;	86;	0;	11194	
13;	-2083.6;	21-APR-2004	03:15:33;	Bright;	37.5;	74;	11Bet	Cas	;	2.27;	6600;occ;	75;	0;	11194	
14;	-1869.6;	21-APR-2004	03:19:07;	Bright;	136.0;	5;	3Alp	Lyr	;	0.03;	11000;occ;	272;	0;	11194	
15;	-1575.5;	21-APR-2004	03:24:01;	Dark	;	69.0;	92;	53Eps	Cyg	;	2.50;	4500;occ;	138;	0;	11194
16;	-1301.9;	21-APR-2004	03:28:35;	Dark	;	43.0;	90;	54Alp	Peg	;	2.49;	11000;occ;	86;	0;	11194
17;	-1097.1;	21-APR-2004	03:32:00;	Dark	;	58.5;	61;	8Eps	Peg	;	2.10;	3900;occ;	117;	0;	11194
18;	-950.3;	21-APR-2004	03:34:26;	Dark	;	52.5;	162;	34Alp	Aqr	;	2.94;	5350;occ;	105;	0;	11194
19;	-772.3;	21-APR-2004	03:37:24;	Dark	;	56.5;	154;	22Bet	Aqr	;	2.90;	5700;occ;	113;	0;	11194
20;	-552.0;	21-APR-2004	03:41:05;	Dark	;	46.5;	18;	24Alp	PsA	;	1.17;	9700;occ;	93;	0;	11194
21;	-308.1;	21-APR-2004	03:45:09;	Dark	;	59.5;	0;			;	0.00;	0;occ;	119;	0;	11194
22;	-34.8;	21-APR-2004	03:49:42;	Dark	;	42.0;	148;	Alp	Tuc	;	2.88;	4100;occ;	84;	0;	11194
23;	96.3;	21-APR-2004	03:51:53;	Dark	;	42.0;	45;	Alp	Pav	;	1.94;	26000;occ;	84;	0;	11195
24;	293.6;	21-APR-2004	03:55:10;	Dark	;	68.5;	103;	38Zet	Sgr	;	2.60;	9700;occ;	137;	0;	11195
25;	492.2;	21-APR-2004	03:58:29;	Dark	;	73.5;	38;	20Eps	Sgr	;	1.84;	11000;occ;	147;	0;	11195
26;	615.4;	21-APR-2004	04:00:32;	Dark	;	59.0;	40;	The	Sco	;	1.86;	7100;occ;	118;	0;	11195
27;	790.1;	21-APR-2004	04:03:27;	Dark	;	45.0;	4;	Alp1	Cen	;	-0.01;	5800;occ;	90;	0;	11195
28;	906.5;	21-APR-2004	04:05:23;	Dark	;	42.0;	20;	Bet	Cru	;	1.25;	30000;occ;	84;	0;	11195
29;	987.4;	21-APR-2004	04:06:44;	Dark	;	44.5;	78;	Alp	Lup	;	2.30;	28000;occ;	89;	0;	11195
30;	1084.3;	21-APR-2004	04:08:21;	Dark	;	38.5;	64;	Gam	Cen	;	2.20;	10600;occ;	77;	0;	11195
31;	1349.4;	21-APR-2004	04:12:46;	Dark	;	71.0;	80;	7Del	Sco	;	2.32;	30000;occ;	142;	0;	11195
32;	1512.0;	21-APR-2004	04:15:29;	Dark	;	43.5;	106;	9Bet	Crv	;	2.65;	5600;occ;	87;	0;	11195
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2;	-4157.5;	21-APR-2004	04:21:35;	Bright;	37.0;	121;	29Gam	Vir	;	2.74;	7200;occ;	74;	0;	11195	
3;	-3942.8;	21-APR-2004	04:25:10;	Bright;	38.5;	138;	47Eps	Vir	;	2.83;	4700;occ;	77;	0;	11195	
4;	-3768.5;	21-APR-2004	04:28:04;	Bright;	45.0;	111;	8Eta	Boo	;	2.68;	6000;occ;	90;	0;	11195	
5;	-3466.1;	21-APR-2004	04:33:07;	Bright;	37.5;	152;	12Alp2	CVn	;	2.89;	11000;occ;	75;	0;	11195	

6;	-3348.7;	21-APR-2004 04:35:04;	Bright;	38.0;	174;	52Psi UMa	;	3.00;	4400;	occ;	76;	0;	11195	
7;	-3217.6;	21-APR-2004 04:37:15;	Bright;	37.5;	87;	64Gam UMa	;	2.43;	11000;	occ;	75;	0;	11195	
8;	-3067.5;	21-APR-2004 04:39:45;	Bright;	39.0;	36;	50Alp UMa	;	1.80;	6300;	occ;	78;	0;	11195	
9;	-2786.8;	21-APR-2004 04:44:26;	Bright;	38.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	77;	0;	11195	
10;	-2594.2;	21-APR-2004 04:47:39;	Bright;	37.0;	49;	1Alp UMi	;	1.99;	6300;	occ;	74;	0;	11195	
11;	-2392.9;	21-APR-2004 04:51:00;	Bright;	65.5;	69;	33Gam Dra	;	2.23;	3800;	occ;	131;	0;	11195	
12;	-2174.8;	21-APR-2004 04:54:38;	Bright;	42.0;	89;	5Alp Cep	;	2.45;	8000;	occ;	84;	0;	11195	
13;	-2083.9;	21-APR-2004 04:56:09;	Bright;	52.0;	74;	11Bet Cas	;	2.27;	6600;	occ;	104;	0;	11195	
14;	-1870.9;	21-APR-2004 04:59:42;	Bright;	143.0;	5;	3Alp Lyr	;	0.03;	11000;	occ;	286;	0;	11195	
15;	-1576.0;	21-APR-2004 05:04:37;	Dark	;	70.5;	92;	53Eps Cyg	;	2.50;	4500;	occ;	141;	0;	11195
16;	-1301.7;	21-APR-2004 05:09:11;	Dark	;	46.5;	90;	54Alp Peg	;	2.49;	11000;	occ;	93;	0;	11195
17;	-1097.0;	21-APR-2004 05:12:36;	Dark	;	59.0;	61;	8Eps Peg	;	2.10;	3900;	occ;	118;	0;	11195
18;	-949.8;	21-APR-2004 05:15:03;	Dark	;	50.0;	162;	34Alp Aqr	;	2.94;	5350;	occ;	100;	0;	11195
19;	-774.2;	21-APR-2004 05:17:59;	Dark	;	58.0;	154;	22Bet Aqr	;	2.90;	5700;	occ;	116;	0;	11195
20;	-550.6;	21-APR-2004 05:21:42;	Dark	;	44.0;	18;	24Alp PsA	;	1.17;	9700;	occ;	88;	0;	11195
21;	-305.5;	21-APR-2004 05:25:47;	Dark	;	59.5;	0;	;	;	0.00;	0;	occ;	119;	0;	11195
22;	-35.2;	21-APR-2004 05:30:18;	Dark	;	42.5;	148;	Alp Tuc	;	2.88;	4100;	occ;	85;	0;	11195
23;	97.0;	21-APR-2004 05:32:30;	Dark	;	40.5;	45;	Alp Pav	;	1.94;	26000;	occ;	81;	0;	11196
24;	295.3;	21-APR-2004 05:35:48;	Dark	;	68.5;	103;	38Zet Sgr	;	2.60;	9700;	occ;	137;	0;	11196
25;	493.3;	21-APR-2004 05:39:06;	Dark	;	73.0;	38;	20Eps Sgr	;	1.84;	11000;	occ;	146;	0;	11196
26;	616.7;	21-APR-2004 05:41:10;	Dark	;	58.0;	40;	The Sco	;	1.86;	7100;	occ;	116;	0;	11196
27;	790.9;	21-APR-2004 05:44:04;	Dark	;	47.5;	4;	Alp1Cen	;	-0.01;	5800;	occ;	95;	0;	11196
28;	907.0;	21-APR-2004 05:46:00;	Dark	;	42.0;	20;	Bet Cru	;	1.25;	30000;	occ;	84;	0;	11196
29;	987.9;	21-APR-2004 05:47:21;	Dark	;	41.0;	78;	Alp Lup	;	2.30;	28000;	occ;	82;	0;	11196
30;	1085.0;	21-APR-2004 05:48:58;	Dark	;	40.0;	64;	Gam Cen	;	2.20;	10600;	occ;	80;	0;	11196
31;	1349.7;	21-APR-2004 05:53:22;	Dark	;	74.5;	80;	7Del Sco	;	2.32;	30000;	occ;	149;	0;	11196
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2;	-3942.4;	21-APR-2004 07:46:22;	Bright;	39.0;	138;	47Eps Vir	;	2.83;	4700;	occ;	78;	0;	11197	
3;	-3768.6;	21-APR-2004 07:49:16;	Bright;	44.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	88;	0;	11197	
4;	-3466.0;	21-APR-2004 07:54:19;	Bright;	38.5;	152;	12Alp2CVn	;	2.89;	11000;	occ;	77;	0;	11197	
5;	-3347.7;	21-APR-2004 07:56:17;	Bright;	37.0;	174;	52Psi UMa	;	3.00;	4400;	occ;	74;	0;	11197	
6;	-3216.9;	21-APR-2004 07:58:28;	Bright;	35.0;	87;	64Gam UMa	;	2.43;	11000;	occ;	70;	0;	11197	
7;	-3066.5;	21-APR-2004 08:00:58;	Bright;	37.5;	36;	50Alp UMa	;	1.80;	6300;	occ;	75;	0;	11197	
8;	-2786.9;	21-APR-2004 08:05:38;	Bright;	36.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	72;	0;	11197	
9;	-2593.5;	21-APR-2004 08:08:51;	Bright;	37.5;	49;	1Alp UMi	;	1.99;	6300;	occ;	75;	0;	11197	
10;	-2395.5;	21-APR-2004 08:12:09;	Bright;	67.0;	69;	33Gam Dra	;	2.23;	3800;	occ;	134;	0;	11197	
11;	-2174.3;	21-APR-2004 08:15:50;	Bright;	41.5;	89;	5Alp Cep	;	2.45;	8000;	occ;	83;	0;	11197	
12;	-2082.9;	21-APR-2004 08:17:22;	Bright;	35.0;	74;	11Bet Cas	;	2.27;	6600;	occ;	70;	0;	11197	
13;	-1873.0;	21-APR-2004 08:20:52;	Bright;	175.0;	5;	3Alp Lyr	;	0.03;	11000;	occ;	350;	0;	11197	
14;	-1575.7;	21-APR-2004 08:25:49;	Dark	;	74.0;	92;	53Eps Cyg	;	2.50;	4500;	occ;	148;	0;	11197
15;	-1300.2;	21-APR-2004 08:30:24;	Dark	;	43.0;	90;	54Alp Peg	;	2.49;	11000;	occ;	86;	0;	11197
16;	-1095.2;	21-APR-2004 08:33:50;	Dark	;	57.5;	61;	8Eps Peg	;	2.10;	3900;	occ;	115;	0;	11197
17;	-947.4;	21-APR-2004 08:36:17;	Dark	;	49.0;	162;	34Alp Aqr	;	2.94;	5350;	occ;	98;	0;	11197
18;	-769.7;	21-APR-2004 08:39:15;	Dark	;	55.0;	154;	22Bet Aqr	;	2.90;	5700;	occ;	110;	0;	11197
19;	-549.5;	21-APR-2004 08:42:55;	Dark	;	47.0;	18;	24Alp PsA	;	1.17;	9700;	occ;	94;	0;	11197
20;	-300.4;	21-APR-2004 08:47:04;	Dark	;	59.5;	0;	;	;	0.00;	0;	occ;	119;	0;	11197
21;	-33.6;	21-APR-2004 08:51:31;	Dark	;	38.5;	148;	Alp Tuc	;	2.88;	4100;	occ;	77;	0;	11197
22;	98.3;	21-APR-2004 08:53:43;	Dark	;	40.5;	45;	Alp Pav	;	1.94;	26000;	occ;	81;	0;	11198
23;	298.8;	21-APR-2004 08:57:03;	Dark	;	71.0;	103;	38Zet Sgr	;	2.60;	9700;	occ;	142;	0;	11198
24;	496.9;	21-APR-2004 09:00:22;	Dark	;	68.0;	38;	20Eps Sgr	;	1.84;	11000;	occ;	136;	0;	11198
25;	619.3;	21-APR-2004 09:02:24;	Dark	;	59.0;	40;	The Sco	;	1.86;	7100;	occ;	118;	0;	11198
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 33; 648.4; 30-APR-2004 17:43:07; Dark ; 90.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 180; 0;11332
 34; 831.4; 30-APR-2004 17:46:10; Dark ; 50.5; 4; Alp1Cen ;-0.01; 5800;occ; 101; 0;11332
 35; 923.3; 30-APR-2004 17:47:42; Dark ; 39.5; 20; Bet Cru ; 1.25; 30000;occ; 79; 0;11332

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1;-4951.5; 30-APR-2004 17:50:23; Dark ; 37.5; 95; Zet Cen ; 2.55; 26000;occ; 75; 0;11332
 2;-4772.2; 30-APR-2004 17:53:23; Dark ; 80.0; 16; 21Alp Sco ; 1.02; 3000;occ; 160; 0;11332
 3;-4637.4; 30-APR-2004 17:55:37; Dark ; 64.5; 80; 7Del Sco ; 2.32; 30000;occ; 129; 0;11332
 4;-4447.0; 30-APR-2004 17:58:48; Bright; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;11332
 5;-4309.9; 30-APR-2004 18:01:05; Bright; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;11332
 6;-4140.9; 30-APR-2004 18:03:54; Bright; 37.0; 121; 29Gam Vir ; 2.74; 7200;occ; 74; 0;11332
 7;-3941.5; 30-APR-2004 18:07:13; Bright; 36.5; 138; 47Eps Vir ; 2.83; 4700;occ; 73; 0;11332
 8;-3803.9; 30-APR-2004 18:09:31; Bright; 46.0; 111; 8Eta Boo ; 2.68; 6000;occ; 92; 0;11332
 9;-3582.2; 30-APR-2004 18:13:13; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;11332
 10;-3477.7; 30-APR-2004 18:14:57; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;11332

11	-3309.2	30-APR-2004	18:17:46	Bright	38.5	174	52Psi UMa	3.00	4400	occ	77	0	11332
12	-3204.4	30-APR-2004	18:19:30	Bright	36.5	87	64Gam UMa	2.43	11000	occ	73	0	11332
13	-3120.1	30-APR-2004	18:20:55	Bright	37.5	82	48Bet UMa	2.37	10600	occ	75	0	11332
14	-3041.5	30-APR-2004	18:22:13	Bright	39.5	36	50Alp UMa	1.80	6300	occ	79	0	11332
15	-2818.3	30-APR-2004	18:25:57	Bright	37.0	60	7Bet UMi	2.08	3950	occ	74	0	11332
16	-2592.5	30-APR-2004	18:29:42	Bright	38.0	49	1Alp UMi	1.99	6300	occ	76	0	11332
17	-2209.4	30-APR-2004	18:36:05	Bright	42.5	89	5Alp Cep	2.45	8000	occ	85	0	11332
18	-2112.9	30-APR-2004	18:37:42	Bright	35.0	76	27Gam Cas	2.30	30000	occ	70	0	11332
19	-2036.7	30-APR-2004	18:38:58	Bright	35.0	68	18Alp Cas	2.22	4500	occ	70	0	11332
20	-1897.7	30-APR-2004	18:41:17	Bright	63.5	19	50Alp Cyg	1.25	10500	occ	127	0	11332
21	-1780.8	30-APR-2004	18:43:14	Bright	72.0	66	37Gam Cyg	2.21	5900	occ	144	0	11332
22	-1564.4	30-APR-2004	18:46:50	Dark	83.0	92	53Eps Cyg	2.50	4500	occ	166	0	11332
23	-1262.9	30-APR-2004	18:51:52	Dark	45.0	90	54Alp Peg	2.49	11000	occ	90	0	11332
24	-1004.3	30-APR-2004	18:56:11	Dark	66.5	61	8Eps Peg	2.10	3900	occ	133	0	11332
25	-793.5	30-APR-2004	18:59:41	Dark	44.5	52	16Bet Cet	2.04	4500	occ	89	0	11332
26	-635.3	30-APR-2004	19:02:19	Dark	65.5	154	22Bet Aqr	2.90	5700	occ	131	0	11332
27	-493.9	30-APR-2004	19:04:41	Dark	49.0	18	24Alp PsA	1.17	9700	occ	98	0	11332
28	-366.1	30-APR-2004	19:06:49	Dark	59.5	0		0.00	0	occ	119	0	11332
29	-238.7	30-APR-2004	19:08:56	Dark	43.0	172	Gam Gru	3.00	13100	occ	86	0	11332
30	-148.0	30-APR-2004	19:10:27	Dark	41.0	31	Alp Gru	1.73	15200	occ	82	0	11332
31	8.7	30-APR-2004	19:13:04	Dark	44.0	148	Alp Tuc	2.88	4100	occ	88	0	11333
32	180.5	30-APR-2004	19:15:55	Dark	41.5	45	Alp Pav	1.94	26000	occ	83	0	11333
33	649.5	30-APR-2004	19:23:44	Dark	92.0	57	34Sig Sgr	2.07	26000	occ	184	0	11333
34	831.6	30-APR-2004	19:26:46	Dark	51.0	4	Alp1Cen	-0.01	5800	occ	102	0	11333
35	923.4	30-APR-2004	19:28:18	Dark	40.0	20	Bet Cru	1.25	30000	occ	80	0	11333
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1	-4610.9	30-APR-2004	01:10:04	Dark	63.0	80	7Del Sco	2.32	30000	occ	126	58	11322
2	-4448.5	30-APR-2004	01:12:47	Bright	45.0	122	9Alp2Lib	2.75	9700	occ	90	0	11322
3	-4309.2	30-APR-2004	01:15:06	Bright	51.5	104	27Bet Lib	2.61	13100	occ	103	0	11322
4	-4143.5	30-APR-2004	01:17:52	Bright	38.5	121	29Gam Vir	2.74	7200	occ	77	0	11322
5	-3943.6	30-APR-2004	01:21:12	Bright	38.5	138	47Eps Vir	2.83	4700	occ	77	0	11322
6	-3803.0	30-APR-2004	01:23:32	Bright	41.5	111	8Eta Boo	2.68	6000	occ	83	0	11322
7	-3578.1	30-APR-2004	01:27:17	Bright	50.5	83		2.38	11000	occ	101	0	11322
8	-3478.8	30-APR-2004	01:28:57	Bright	37.0	152	12Alp2CVn	2.89	11000	occ	74	0	11322
9	-3397.0	30-APR-2004	01:30:18	Bright	43.0	180	27Gam Boo	3.04	8000	occ	86	0	11322
10	-3264.9	30-APR-2004	01:32:30	Bright	39.5	39	85Eta UMa	1.85	24000	occ	79	0	11322
11	-3185.8	30-APR-2004	01:33:50	Bright	35.5	55	79Zet UMa	2.06	10200	occ	71	0	11322
12	-3044.7	30-APR-2004	01:36:11	Bright	40.0	36	50Alp UMa	1.80	6300	occ	80	0	11322
13	-2817.8	30-APR-2004	01:39:58	Bright	41.0	60	7Bet UMi	2.08	3950	occ	82	0	11322
14	-2593.4	30-APR-2004	01:43:42	Bright	36.5	49	1Alp UMi	1.99	6300	occ	73	0	11322
15	-2038.5	30-APR-2004	01:52:57	Bright	35.5	68	18Alp Cas	2.22	4500	occ	71	0	11322
16	-1893.4	30-APR-2004	01:55:22	Bright	58.5	19	50Alp Cyg	1.25	10500	occ	117	0	11322
17	-1776.8	30-APR-2004	01:57:19	Bright	74.5	66	37Gam Cyg	2.21	5900	occ	149	0	11322
18	-1564.3	30-APR-2004	02:00:51	Dark	84.5	92	53Eps Cyg	2.50	4500	occ	169	0	11322
19	-1266.2	30-APR-2004	02:05:49	Dark	45.5	90	54Alp Peg	2.49	11000	occ	91	0	11322
20	-1012.0	30-APR-2004	02:10:03	Dark	70.5	61	8Eps Peg	2.10	3900	occ	141	0	11322
21	-794.5	30-APR-2004	02:13:41	Dark	43.0	52	16Bet Cet	2.04	4500	occ	86	0	11322
22	-646.3	30-APR-2004	02:16:09	Dark	65.0	154	22Bet Aqr	2.90	5700	occ	130	0	11322
23	-500.4	30-APR-2004	02:18:35	Dark	46.0	18	24Alp PsA	1.17	9700	occ	92	0	11322
24	-371.8	30-APR-2004	02:20:44	Dark	59.5	0		0.00	0	occ	119	0	11322
25	-154.9	30-APR-2004	02:24:21	Dark	42.5	31	Alp Gru	1.73	15200	occ	85	0	11322
26	4.6	30-APR-2004	02:27:00	Dark	40.5	148	Alp Tuc	2.88	4100	occ	81	0	11323
27	171.3	30-APR-2004	02:29:47	Dark	44.0	45	Alp Pav	1.94	26000	occ	88	0	11323
28	569.9	30-APR-2004	02:36:25	Dark	53.0	43	Alp TrA	1.91	4250	occ	106	0	11323
29	675.7	30-APR-2004	02:38:11	Dark	70.0	38	20Eps Sgr	1.84	11000	occ	140	0	11323
30	827.7	30-APR-2004	02:40:43	Dark	47.0	4	Alp1Cen	-0.01	5800	occ	94	0	11323
31	922.2	30-APR-2004	02:42:18	Dark	45.0	20	Bet Cru	1.25	30000	occ	90	0	11323
32	1030.6	30-APR-2004	02:44:06	Dark	44.0	78	Alp Lup	2.30	28000	occ	88	0	11323
33	1126.2	30-APR-2004	02:45:42	Dark	41.5	81	Eta Cen	2.36	28000	occ	83	0	11323
34	1259.8	30-APR-2004	02:47:55	Dark	74.0	16	21Alp Sco	1.02	3000	occ	148	0	11323
35	1396.8	30-APR-2004	02:50:12	Dark	67.5	80	7Del Sco	2.32	30000	occ	135	0	11323
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1	-4448.3	30-APR-2004	02:53:23	Bright	45.0	122	9Alp2Lib	2.75	9700	occ	90	0	11323
2	-4308.8	30-APR-2004	02:55:43	Bright	50.0	104	27Bet Lib	2.61	13100	occ	100	0	11323
3	-4143.4	30-APR-2004	02:58:28	Bright	38.0	121	29Gam Vir	2.74	7200	occ	76	0	11323
4	-3943.5	30-APR-2004	03:01:48	Bright	38.0	138	47Eps Vir	2.83	4700	occ	76	0	11323
5	-3802.8	30-APR-2004	03:04:09	Bright	40.5	111	8Eta Boo	2.68	6000	occ	81	0	11323
6	-3578.1	30-APR-2004	03:07:53	Bright	46.0	83		2.38	11000	occ	92	0	11323

7;	-3478.9;	30-APR-2004 03:09:32;	Bright;	38.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	76;	0;	11323	
8;	-3397.3;	30-APR-2004 03:10:54;	Bright;	40.5;	180;	27Gam Boo	;	3.04;	8000;occ;	81;	0;	11323	
9;	-3265.6;	30-APR-2004 03:13:06;	Bright;	39.0;	39;	85Eta UMa	;	1.85;	24000;occ;	78;	0;	11323	
10;	-3185.9;	30-APR-2004 03:14:25;	Bright;	38.5;	55;	79Zet UMa	;	2.06;	10200;occ;	77;	0;	11323	
11;	-3046.3;	30-APR-2004 03:16:45;	Bright;	41.0;	36;	50Alp UMa	;	1.80;	6300;occ;	82;	0;	11323	
12;	-2818.0;	30-APR-2004 03:20:33;	Bright;	41.0;	60;	7Bet UMi	;	2.08;	3950;occ;	82;	0;	11323	
13;	-2595.7;	30-APR-2004 03:24:16;	Bright;	41.5;	49;	1Alp UMi	;	1.99;	6300;occ;	83;	0;	11323	
14;	-2039.1;	30-APR-2004 03:33:32;	Bright;	37.0;	68;	18Alp Cas	;	2.22;	4500;occ;	74;	0;	11323	
15;	-1894.0;	30-APR-2004 03:35:57;	Bright;	61.0;	19;	50Alp Cyg	;	1.25;	10500;occ;	122;	0;	11323	
16;	-1777.6;	30-APR-2004 03:37:54;	Bright;	79.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	158;	0;	11323	
17;	-1564.5;	30-APR-2004 03:41:27;	Dark	;	83.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	166;	0;	11323
18;	-1268.6;	30-APR-2004 03:46:23;	Dark	;	49.0;	90;	54Alp Peg	;	2.49;	11000;occ;	98;	0;	11323
19;	-1011.6;	30-APR-2004 03:50:40;	Dark	;	67.0;	61;	8Eps Peg	;	2.10;	3900;occ;	134;	0;	11323
20;	-794.6;	30-APR-2004 03:54:17;	Dark	;	46.0;	52;	16Bet Cet	;	2.04;	4500;occ;	92;	0;	11323
21;	-646.1;	30-APR-2004 03:56:45;	Dark	;	60.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	121;	0;	11323
22;	-499.3;	30-APR-2004 03:59:12;	Dark	;	51.0;	18;	24Alp PsA	;	1.17;	9700;occ;	102;	0;	11323
23;	-371.3;	30-APR-2004 04:01:20;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	11323
24;	-246.5;	30-APR-2004 04:03:25;	Dark	;	43.0;	172;	Gam Gru	;	3.00;	13100;occ;	86;	0;	11323
25;	-154.3;	30-APR-2004 04:04:57;	Dark	;	43.0;	31;	Alp Gru	;	1.73;	15200;occ;	86;	0;	11323
26;	4.3;	30-APR-2004 04:07:36;	Dark	;	40.0;	148;	Alp Tuc	;	2.88;	4100;occ;	80;	0;	11324
27;	175.1;	30-APR-2004 04:10:26;	Dark	;	42.0;	45;	Alp Pav	;	1.94;	26000;occ;	84;	0;	11324
28;	573.4;	30-APR-2004 04:17:05;	Dark	;	40.0;	43;	Alp TrA	;	1.91;	4250;occ;	80;	0;	11324
29;	676.5;	30-APR-2004 04:18:48;	Dark	;	75.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	151;	0;	11324
30;	829.3;	30-APR-2004 04:21:21;	Dark	;	46.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	92;	0;	11324
31;	922.5;	30-APR-2004 04:22:54;	Dark	;	42.5;	20;	Bet Cru	;	1.25;	30000;occ;	85;	0;	11324
32;	1034.2;	30-APR-2004 04:24:46;	Dark	;	40.5;	78;	Alp Lup	;	2.30;	28000;occ;	81;	0;	11324
33;	1126.8;	30-APR-2004 04:26:18;	Dark	;	39.5;	81;	Eta Cen	;	2.36;	28000;occ;	79;	0;	11324
34;	1260.4;	30-APR-2004 04:28:32;	Dark	;	78.0;	16;	21Alp Sco	;	1.02;	3000;occ;	156;	0;	11324
35;	1396.6;	30-APR-2004 04:30:48;	Dark	;	62.0;	80;	7Del Sco	;	2.32;	30000;occ;	124;	0;	11324
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1;	-4447.7;	30-APR-2004 04:34:00;	Bright;	45.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	90;	0;	11324	
2;	-4308.9;	30-APR-2004 04:36:18;	Bright;	51.0;	104;	27Bet Lib	;	2.61;	13100;occ;	102;	0;	11324	
3;	-4141.9;	30-APR-2004 04:39:05;	Bright;	37.0;	121;	29Gam Vir	;	2.74;	7200;occ;	74;	0;	11324	
4;	-3941.9;	30-APR-2004 04:42:25;	Bright;	36.5;	138;	47Eps Vir	;	2.83;	4700;occ;	73;	0;	11324	
5;	-3802.3;	30-APR-2004 04:44:45;	Bright;	39.0;	111;	8Eta Boo	;	2.68;	6000;occ;	78;	0;	11324	
6;	-3577.9;	30-APR-2004 04:48:29;	Bright;	47.5;	83;		;	2.38;	11000;occ;	95;	0;	11324	
7;	-3477.7;	30-APR-2004 04:50:10;	Bright;	37.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	74;	0;	11324	
8;	-3398.3;	30-APR-2004 04:51:29;	Bright;	42.0;	180;	27Gam Boo	;	3.04;	8000;occ;	84;	0;	11324	
9;	-3265.0;	30-APR-2004 04:53:42;	Bright;	37.5;	39;	85Eta UMa	;	1.85;	24000;occ;	75;	0;	11324	
10;	-3186.2;	30-APR-2004 04:55:01;	Bright;	36.0;	55;	79Zet UMa	;	2.06;	10200;occ;	72;	0;	11324	
11;	-3043.0;	30-APR-2004 04:57:24;	Bright;	40.5;	36;	50Alp UMa	;	1.80;	6300;occ;	81;	0;	11324	
12;	-2816.9;	30-APR-2004 05:01:10;	Bright;	41.0;	60;	7Bet UMi	;	2.08;	3950;occ;	82;	0;	11324	
13;	-2593.3;	30-APR-2004 05:04:54;	Bright;	38.5;	49;	1Alp UMi	;	1.99;	6300;occ;	77;	0;	11324	
14;	-2038.0;	30-APR-2004 05:14:09;	Bright;	37.0;	68;	18Alp Cas	;	2.22;	4500;occ;	74;	0;	11324	
15;	-1894.6;	30-APR-2004 05:16:33;	Bright;	59.0;	19;	50Alp Cyg	;	1.25;	10500;occ;	118;	0;	11324	
16;	-1777.9;	30-APR-2004 05:18:29;	Bright;	73.5;	66;	37Gam Cyg	;	2.21;	5900;occ;	147;	0;	11324	
17;	-1564.8;	30-APR-2004 05:22:03;	Dark	;	82.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	164;	0;	11324
18;	-1265.5;	30-APR-2004 05:27:02;	Dark	;	44.5;	90;	54Alp Peg	;	2.49;	11000;occ;	89;	0;	11324
19;	-1010.9;	30-APR-2004 05:31:16;	Dark	;	71.5;	61;	8Eps Peg	;	2.10;	3900;occ;	143;	0;	11324
20;	-795.0;	30-APR-2004 05:34:52;	Dark	;	47.0;	52;	16Bet Cet	;	2.04;	4500;occ;	94;	0;	11324
21;	-644.9;	30-APR-2004 05:37:22;	Dark	;	66.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	132;	0;	11324
22;	-498.3;	30-APR-2004 05:39:49;	Dark	;	50.0;	18;	24Alp PsA	;	1.17;	9700;occ;	100;	0;	11324
23;	-370.8;	30-APR-2004 05:41:57;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	11324
24;	-244.9;	30-APR-2004 05:44:02;	Dark	;	46.0;	172;	Gam Gru	;	3.00;	13100;occ;	92;	0;	11324
25;	-152.8;	30-APR-2004 05:45:35;	Dark	;	44.0;	31;	Alp Gru	;	1.73;	15200;occ;	88;	0;	11324
26;	5.4;	30-APR-2004 05:48:13;	Dark	;	48.0;	148;	Alp Tuc	;	2.88;	4100;occ;	96;	0;	11325
27;	175.4;	30-APR-2004 05:51:03;	Dark	;	42.5;	45;	Alp Pav	;	1.94;	26000;occ;	85;	0;	11325
28;	633.9;	30-APR-2004 05:58:41;	Dark	;	97.5;	57;	34Sig Sgr	;	2.07;	26000;occ;	195;	0;	11325
29;	829.7;	30-APR-2004 06:01:57;	Dark	;	50.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	101;	0;	11325
30;	923.0;	30-APR-2004 06:03:30;	Dark	;	48.5;	20;	Bet Cru	;	1.25;	30000;occ;	97;	0;	11325
31;	1034.7;	30-APR-2004 06:05:22;	Dark	;	41.0;	78;	Alp Lup	;	2.30;	28000;occ;	82;	0;	11325
32;	1127.3;	30-APR-2004 06:06:55;	Dark	;	42.0;	81;	Eta Cen	;	2.36;	28000;occ;	84;	0;	11325
33;	1260.8;	30-APR-2004 06:09:08;	Dark	;	73.5;	16;	21Alp Sco	;	1.02;	3000;occ;	147;	0;	11325
34;	1397.2;	30-APR-2004 06:11:25;	Dark	;	62.5;	80;	7Del Sco	;	2.32;	30000;occ;	125;	0;	11325
35;	1588.7;	30-APR-2004 06:14:36;	Bright;	29.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	59;	0;	11325	