

GOMOS Daily Report 29-APR-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	30APR2004 08:53:12
Data source version	GOMOS/4.02
Start time of products	29-APR-2004 (29APR2004 00:00:00)
Stop time of products	30-APR-2004 (30APR2004 00:00:00)

Store outputs flag	1
Nb of level 1b prods	48
Nb of prods with errors	1

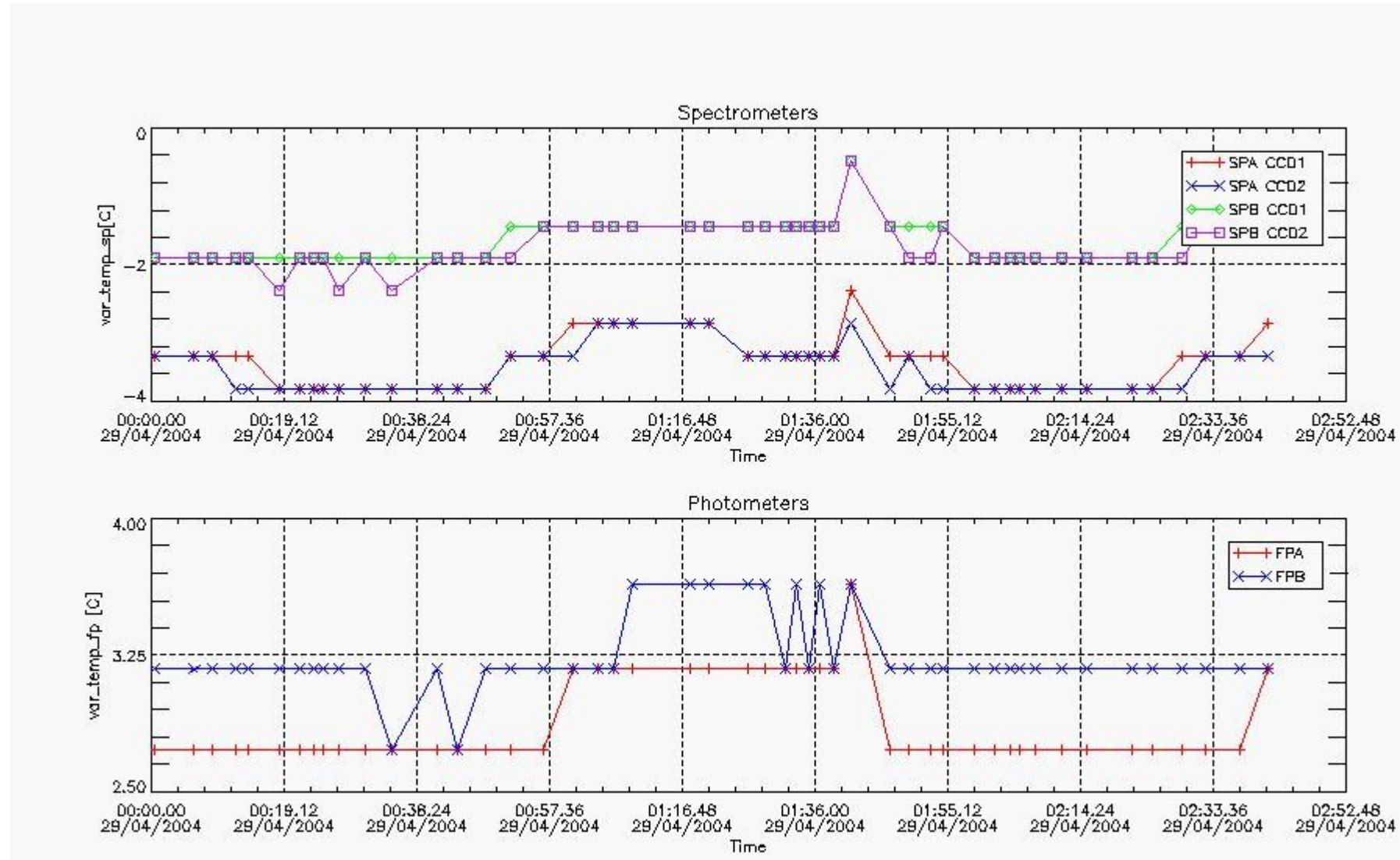
2. Summary of products arrived in PCF

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
GOM_TRA_1PNPDE20040429_000029_000000672026_00231_11307_0000.N1	29-APR-2004 00:00:29	Bright	67.000	80	7Del Sco	2.3160	30000.	134	11307	No
GOM_TRA_1PNPDE20040429_000609_000000512026_00231_11307_0001.N1	29-APR-2004 00:06:09	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	11307	No
GOM_TRA_1PNPDE20040429_000851_000000382026_00231_11307_0002.N1	29-APR-2004 00:08:51	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	11307	No
GOM_TRA_1PNPDE20040429_001212_000000382026_00231_11307_0003.N1	29-APR-2004 00:12:12	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	11307	No
GOM_TRA_1PNPDE20040429_001355_000000382026_00231_11307_0004.N1	29-APR-2004 00:13:55	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	11307	No
GOM_TRA_1PNPDE20040429_001828_000000492026_00231_11307_0005.N1	29-APR-2004 00:18:28	Bright	48.500	83		2.3780	11000.	97	11307	No
GOM_TRA_1PNPDE20040429_002126_000000442026_00231_11307_0006.N1	29-APR-2004 00:21:26	Bright	43.500	180	27Gam Boo	3.0400	8000.0	87	11307	No
GOM_TRA_1PNPDE20040429_002335_000000412026_00231_11307_0007.N1	29-APR-2004 00:23:35	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	11307	No
GOM_TRA_1PNPDE20040429_002453_000000392026_00231_11307_0008.N1	29-APR-2004 00:24:53	Bright	39.000	55	79Zet UMa	2.0600	10200.	78	11307	No
GOM_TRA_1PNPDE20040429_002709_000000392026_00231_11307_0009.N1	29-APR-2004 00:27:09	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	11307	No
GOM_TRA_1PNPDE20040429_003102_000000412026_00231_11307_0010.N1	29-APR-2004 00:31:02	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	11307	No
GOM_TRA_1PNPDE20040429_003441_000000372026_00231_11307_0011.N1	29-APR-2004 00:34:41	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	11307	No
GOM_TRA_1PNPDE20040429_004114_000000432026_00231_11307_0012.N1	29-APR-2004 00:41:14	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	11307	No
GOM_TRA_1PNPDE20040429_004418_000001512026_00231_11307_0013.N1	29-APR-2004 00:44:18	Bright	151.00	5	3Alp Lyr	0.033000	11000.	302	11307	No
GOM_TRA_1PNPDE20040429_004824_000000772026_00231_11307_0014.N1	29-APR-2004 00:48:24	Twilight	76.500	66	37Gam Cyg	2.2080	5900.0	153	11307	No
GOM_TRA_1PNPDE20040429_005151_000000702026_00231_11307_0015.N1	29-APR-2004 00:51:51	Twilight	70.000	92	53Eps Cyg	2.5000	4500.0	140	11307	No
GOM_TRA_1PNPDE20040429_005643_000000492026_00231_11307_0016.N1	29-APR-2004 00:56:43	Twilight	48.500	90	54Alp Peg	2.4870	11000.	97	11307	No
GOM_TRA_1PNPDE20040429_010053_000000672026_00231_11307_0017.N1	29-APR-2004 01:00:53	Dark	67.000	61	8Eps Peg	2.1000	3900.0	134	11307	No
GOM_TRA_1PNPDE20040429_010440_000000462026_00231_11307_0018.N1	29-APR-2004 01:04:40	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	11307	No
GOM_TRA_1PNPDE20040429_010653_000000642026_00231_11307_0019.N1	29-APR-2004 01:06:53	Dark	63.500	154	22Bet Aqr	2.8990	5700.0	127	11307	No
GOM_TRA_1PNPDE20040429_010927_000000482026_00231_11307_0020.N1	29-APR-2004 01:09:27	Dark	47.500	18	24Alp PsA	1.1660	9700.0	95	11307	No
GOM_TRA_1PNPDE20040429_011756_000000462026_00232_11308_0021.N1	29-APR-2004 01:17:56	Dark	45.500	148	Alp Tuc	2.8780	4100.0	91	11308	No
GOM_TRA_1PNPDE20040429_012040_000000452026_00232_11308_0022.N1	29-APR-2004 01:20:40	Dark	45.000	45	Alp Pav	1.9400	26000.	90	11308	No
GOM_TRA_1PNPDE20040429_012612_000000762026_00232_11308_0023.N1	29-APR-2004 01:26:12	Dark	76.000	103	38Zet Sgr	2.6000	9700.0	152	11308	No
GOM_TRA_1PNPDE20040429_012852_000000692026_00232_11308_0024.N1	29-APR-2004 01:28:52	Dark	68.500	38	20Eps Sgr	1.8360	11000.	137	11308	No
GOM_TRA_1PNPDE20040429_013141_000000532026_00232_11308_0025.N1	29-APR-2004 01:31:41	Twilight	53.000	4	Alp1Cen	-0.010000	5800.0	106	11308	No
GOM_TRA_1PNPDE20040429_013318_000000412026_00232_11308_0026.N1	29-APR-2004 01:33:18	Twilight	40.500	20	Bet Cru	1.2530	30000.	81	11308	No
GOM_TRA_1PNPDE20040429_013504_000000432026_00232_11308_0027.N1	29-APR-2004 01:35:04	Bright	42.500	78	Alp Lup	2.3040	28000.	85	11308	No
GOM_TRA_1PNPDE20040429_013637_000000432026_00232_11308_0028.N1	29-APR-2004 01:36:37	Bright	42.500	81	Eta Cen	2.3560	28000.	85	11308	No
GOM_TRA_1PNPDE20040429_013848_000000742026_00232_11308_0029.N1	29-APR-2004 01:38:48	Bright	74.000	16	21Alp Sco	1.0200	3000.0	148	11308	No
GOM_TRA_1PNPDE20040429_014108_000000642026_00232_11308_0000.N1	29-APR-2004 01:41:08	Bright	63.500	80	7Del Sco	2.3160	30000.	127	11308	Yes
GOM_TRA_1PNPDE20040429_014645_000000522026_00232_11308_0001.N1	29-APR-2004 01:46:45	Bright	51.500	104	27Bet Lib	2.6140	13100.	103	11308	No
GOM_TRA_1PNPDE20040429_014928_000000382026_00232_11308_0002.N1	29-APR-2004 01:49:28	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	11308	No
GOM_TRA_1PNPDE20040429_015248_000000392026_00232_11308_0003.N1	29-APR-2004 01:52:48	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	11308	No
GOM_TRA_1PNPDE20040429_015431_000000382026_00232_11308_0004.N1	29-APR-2004 01:54:31	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	11308	No
GOM_TRA_1PNPDE20040429_015903_000000472026_00232_11308_0005.N1	29-APR-2004 01:59:03	Bright	47.000	83		2.3780	11000.	94	11308	No
GOM_TRA_1PNPDE20040429_020202_000000422026_00232_11308_0006.N1	29-APR-2004 02:02:02	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	11308	No
GOM_TRA_1PNPDE20040429_020410_000000422026_00232_11308_0007.N1	29-APR-2004 02:04:10	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	11308	No
GOM_TRA_1PNPDE20040429_020529_000000372026_00232_11308_0008.N1	29-APR-2004 02:05:29	Bright	36.500	55	79Zet UMa	2.0600	10200.	73	11308	No
GOM_TRA_1PNPDE20040429_020745_000000382026_00232_11308_0009.N1	29-APR-2004 02:07:45	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	11308	No
GOM_TRA_1PNPDE20040429_021138_000000412026_00232_11308_0010.N1	29-APR-2004 02:11:38	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	11308	No
GOM_TRA_1PNPDE20040429_021518_000000382026_00232_11308_0011.N1	29-APR-2004 02:15:18	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	11308	No
GOM_TRA_1PNPDE20040429_022149_000000432026_00232_11308_0012.N1	29-APR-2004 02:21:49	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	11308	No
GOM_TRA_1PNPDE20040429_022452_000001692026_00232_11308_0013.N1	29-APR-2004 02:24:52	Bright	168.50	5	3Alp Lyr	0.033000	11000.	337	11308	No
GOM_TRA_1PNPDE20040429_022900_000000812026_00232_11308_0014.N1	29-APR-2004 02:29:00	Twilight	80.500	66	37Gam Cyg	2.2080	5900.0	161	11308	No
GOM_TRA_1PNPDE20040429_023227_000000702026_00232_11308_0015.N1	29-APR-2004 02:32:27	Twilight	70.000	92	53Eps Cyg	2.5000	4500.0	140	11308	No
GOM_TRA_1PNPDE20040429_023721_000000482026_00232_11308_0016.N1	29-APR-2004 02:37:21	Twilight	48.000	90	54Alp Peg	2.4870	11000.	96	11308	No
GOM_TRA_1PNPDE20040429_024130_000000682026_00232_11308_0017.N1	29-APR-2004 02:41:30	Dark	67.500	61	8Eps Peg	2.1000	3900.0	135	11308	No

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



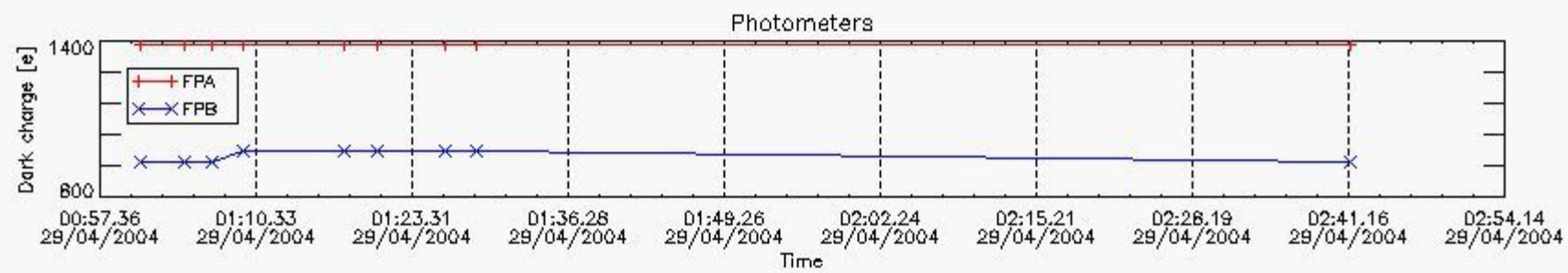
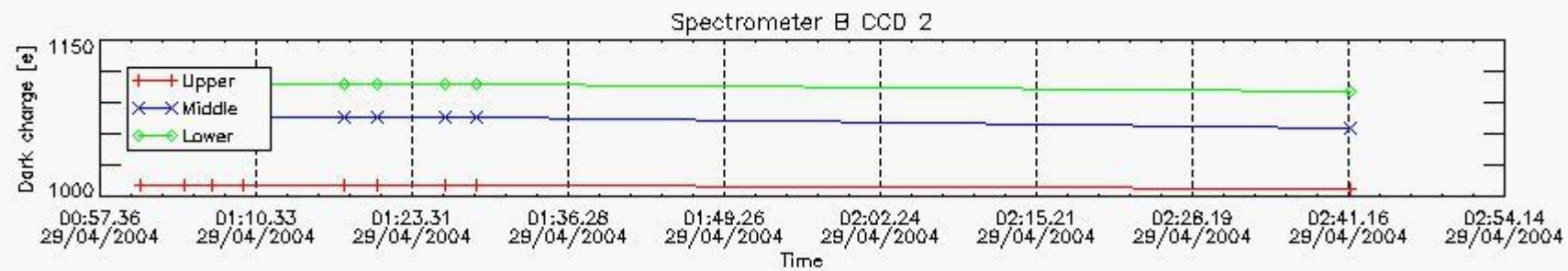
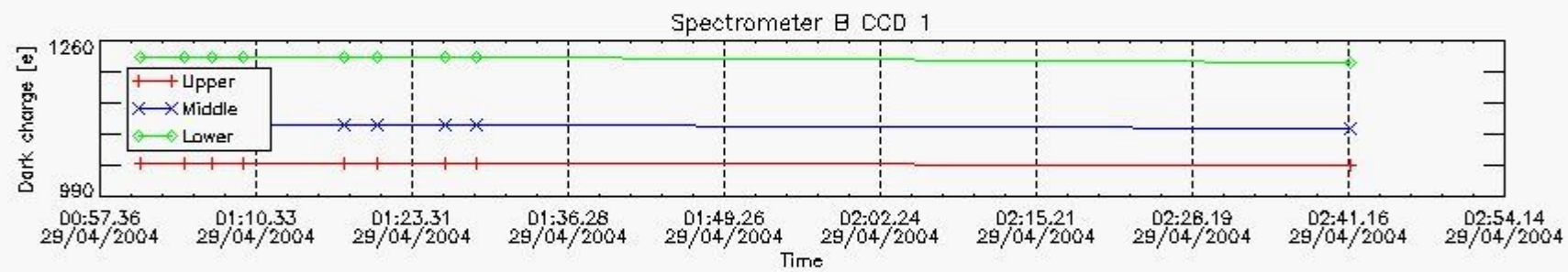
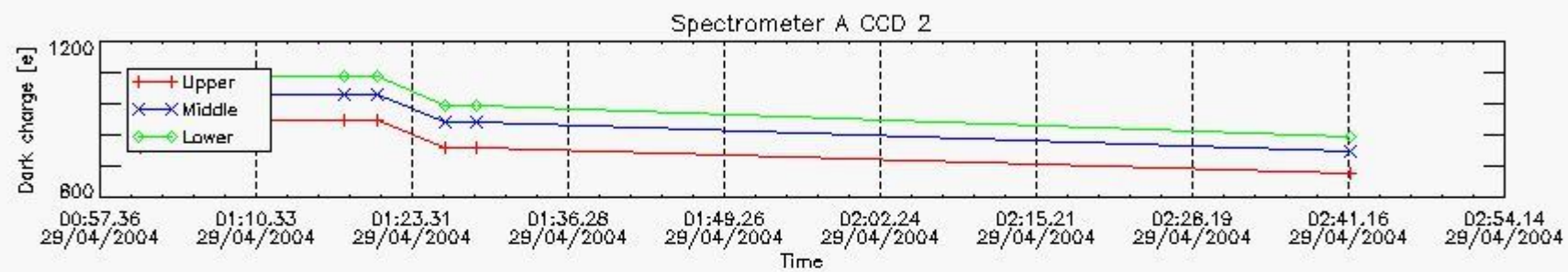
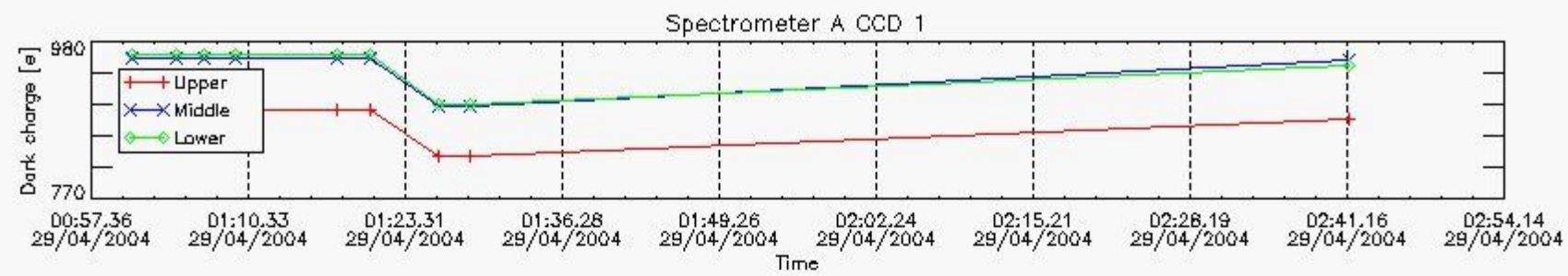
4. Overview of dark signal processing per product

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



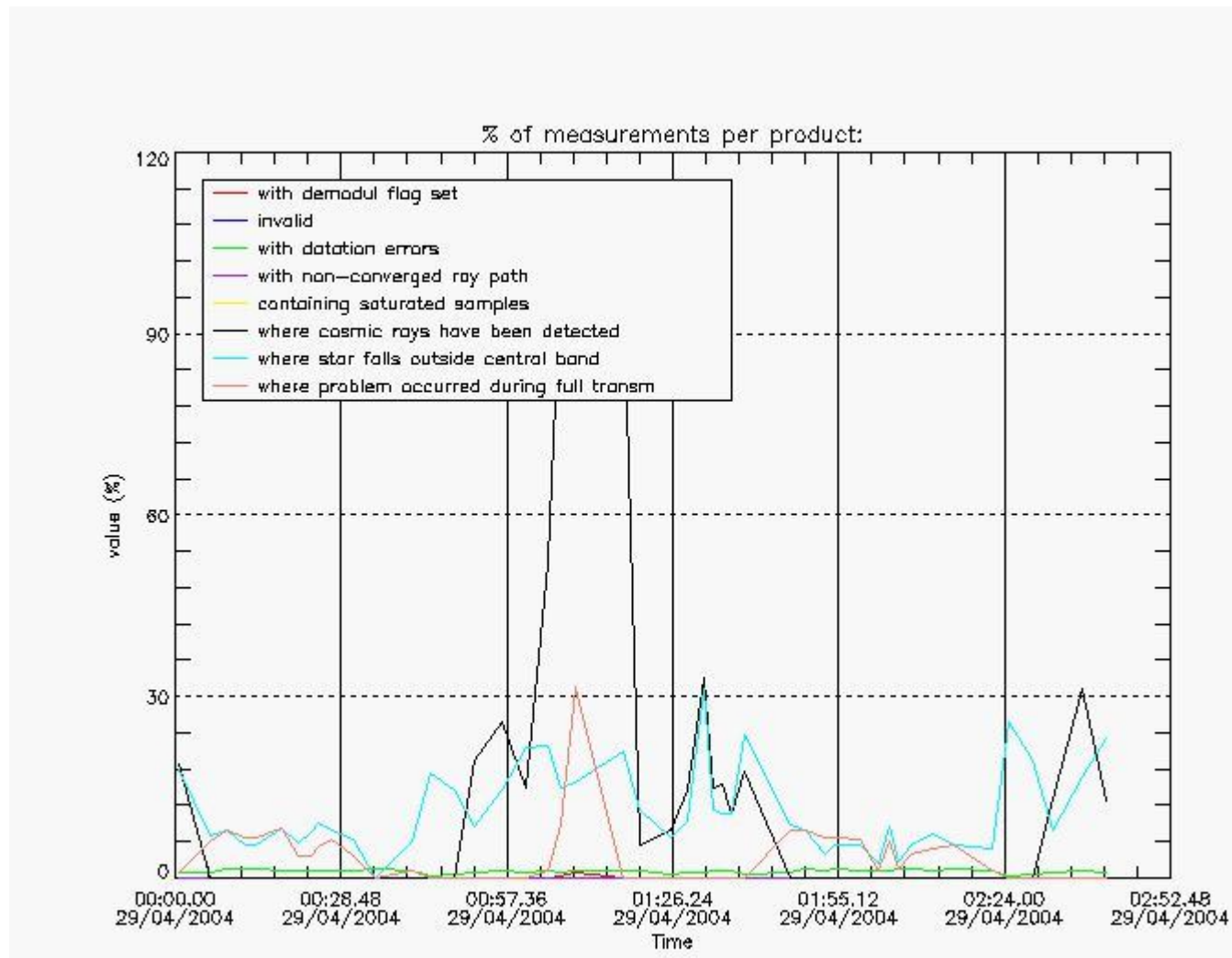
5. Demodulation flag and quality information monitoring

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.

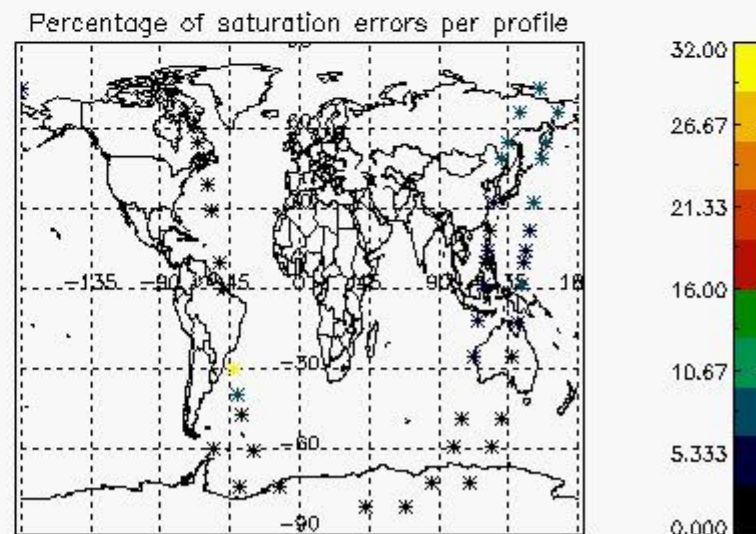
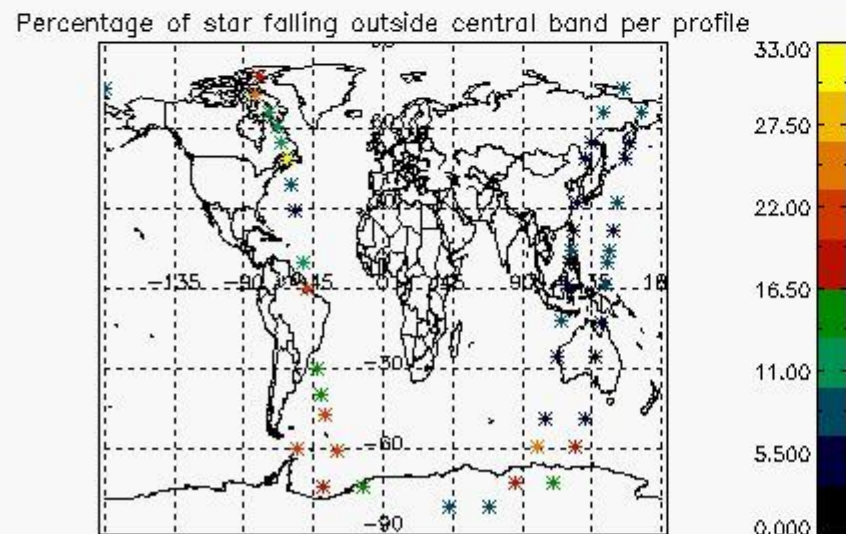
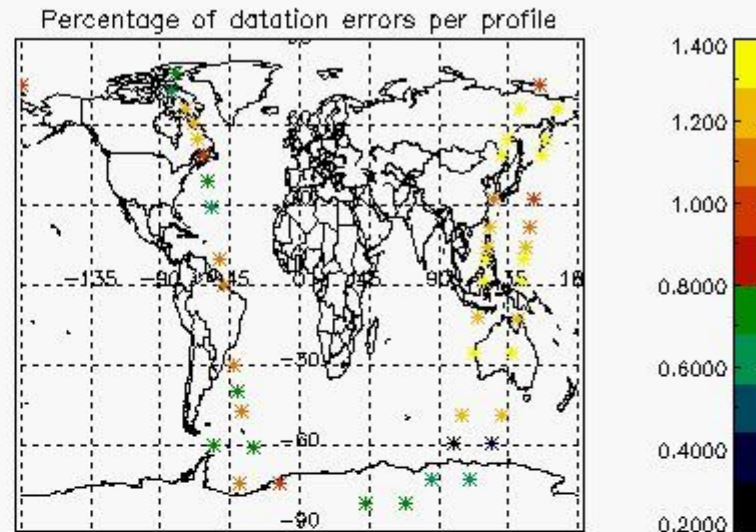
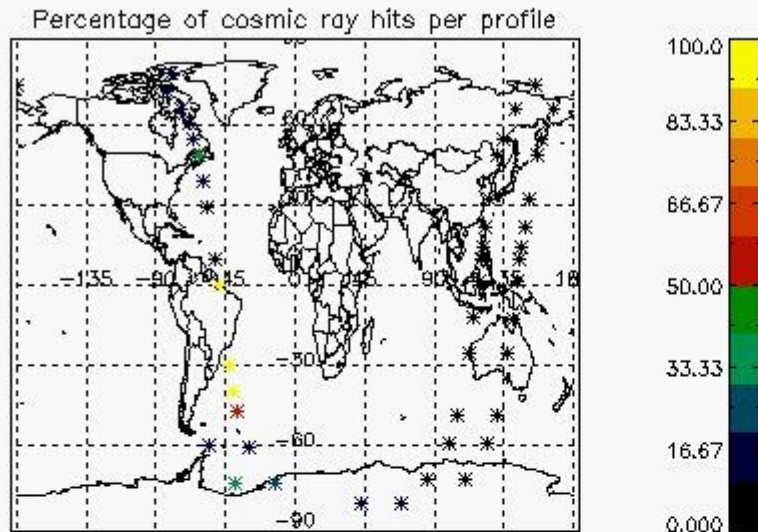
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	8.51064 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



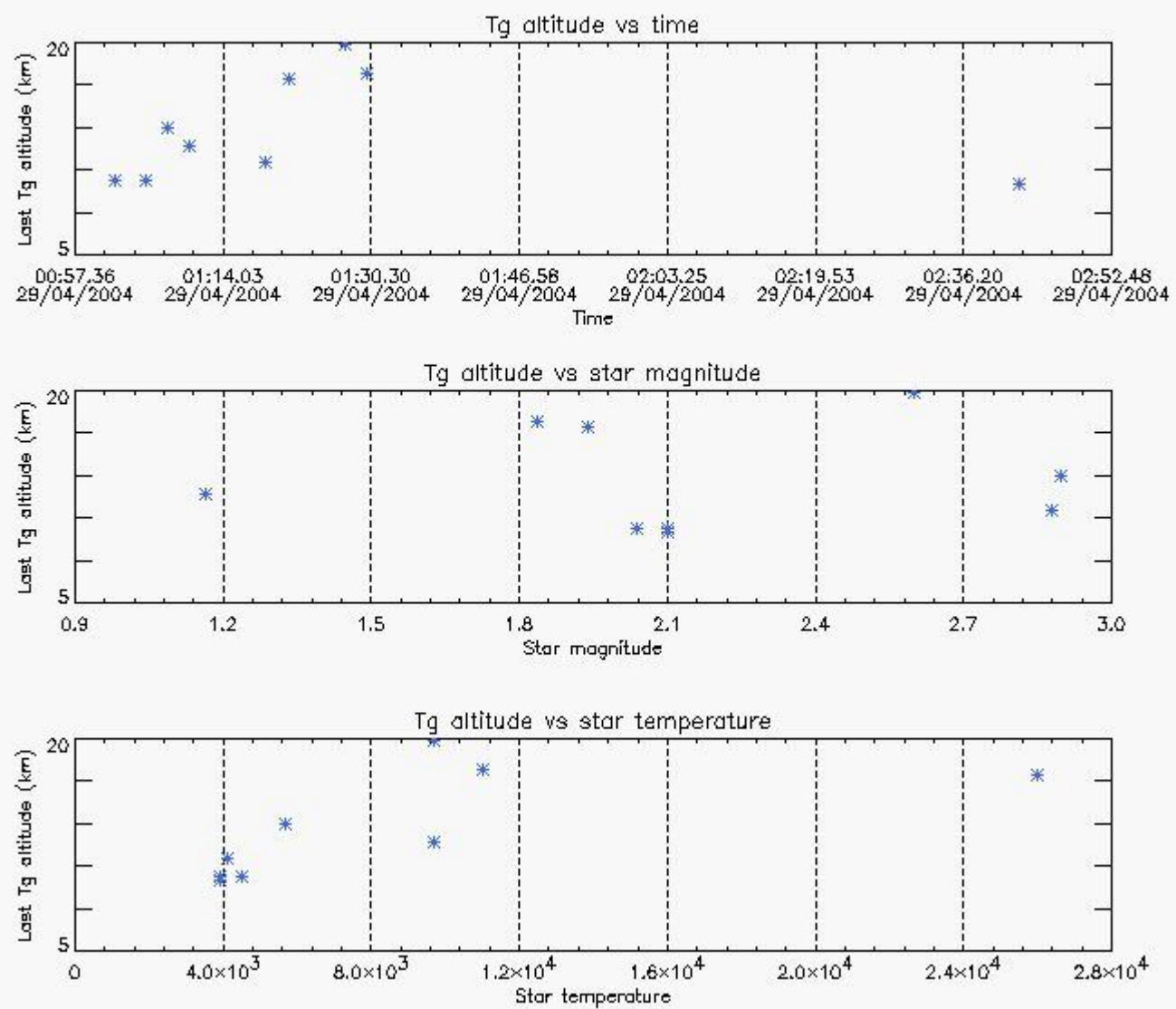
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.775	19.714	13.645
St. deviation:	3.7331	4.0516	4.3988
Maximum:	19.860	29.938	18.079
Minimum:	9.9988	9.7297	4.6592
Number of data:	9.0000	30.000	8.0000

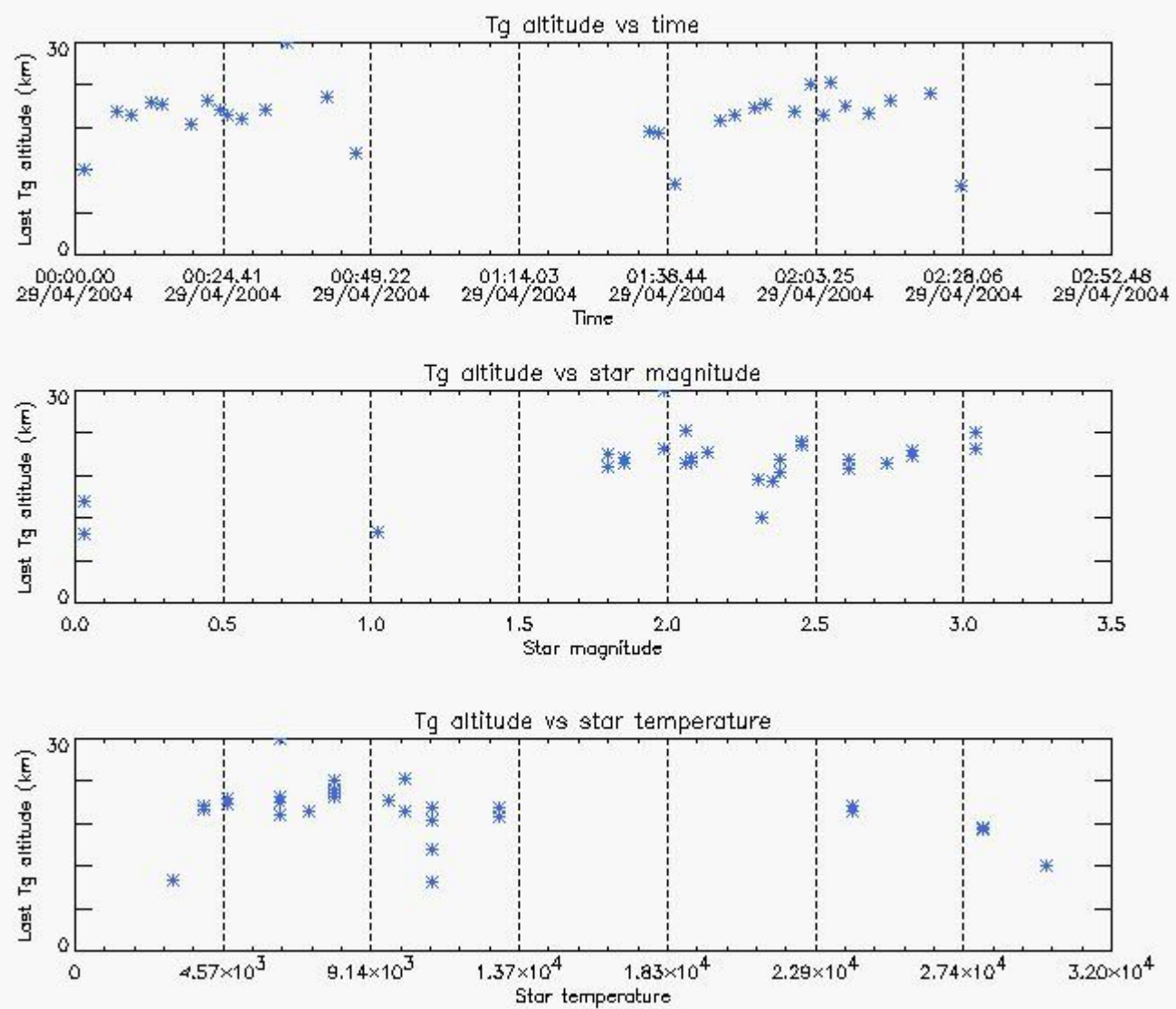
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



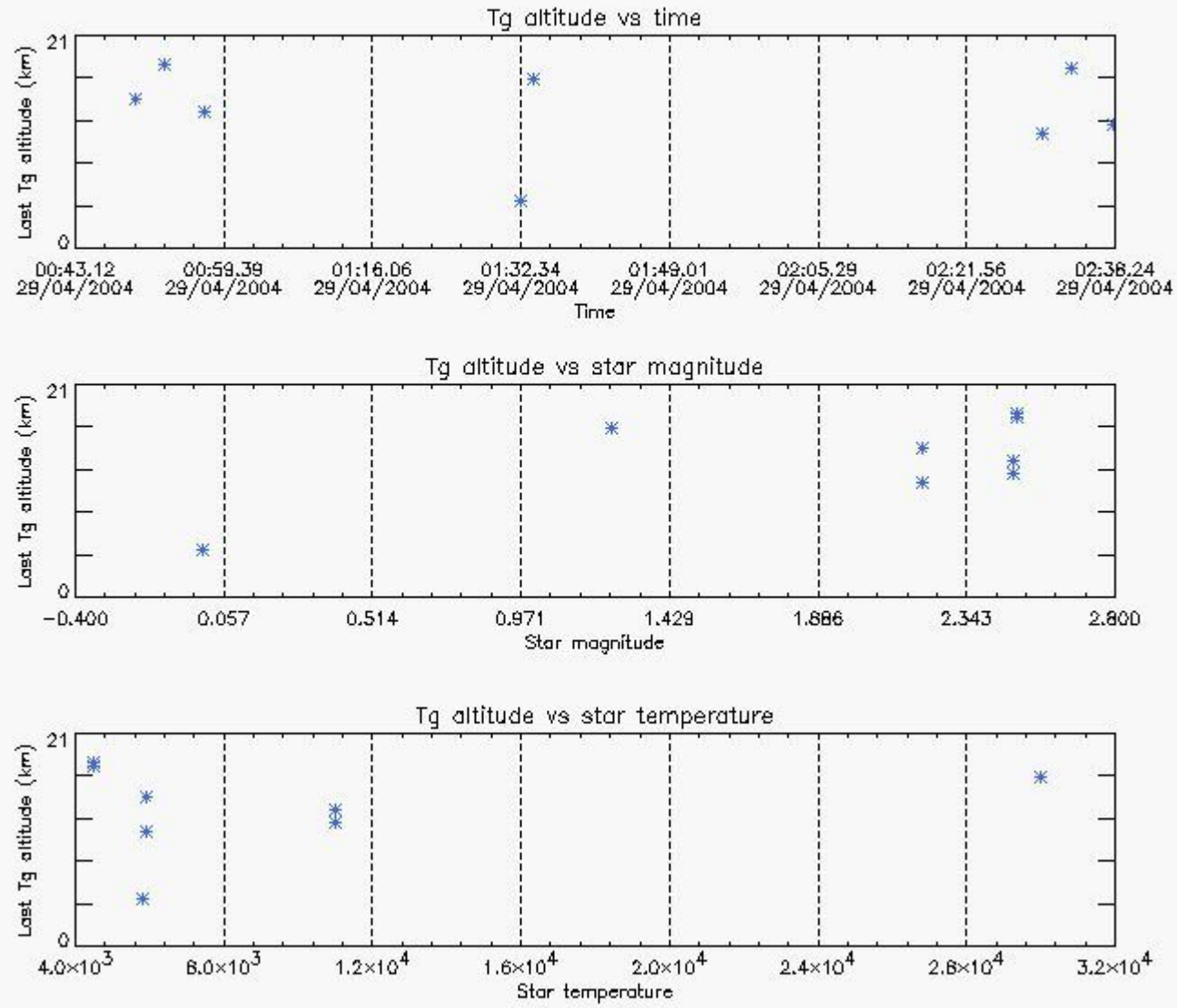
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

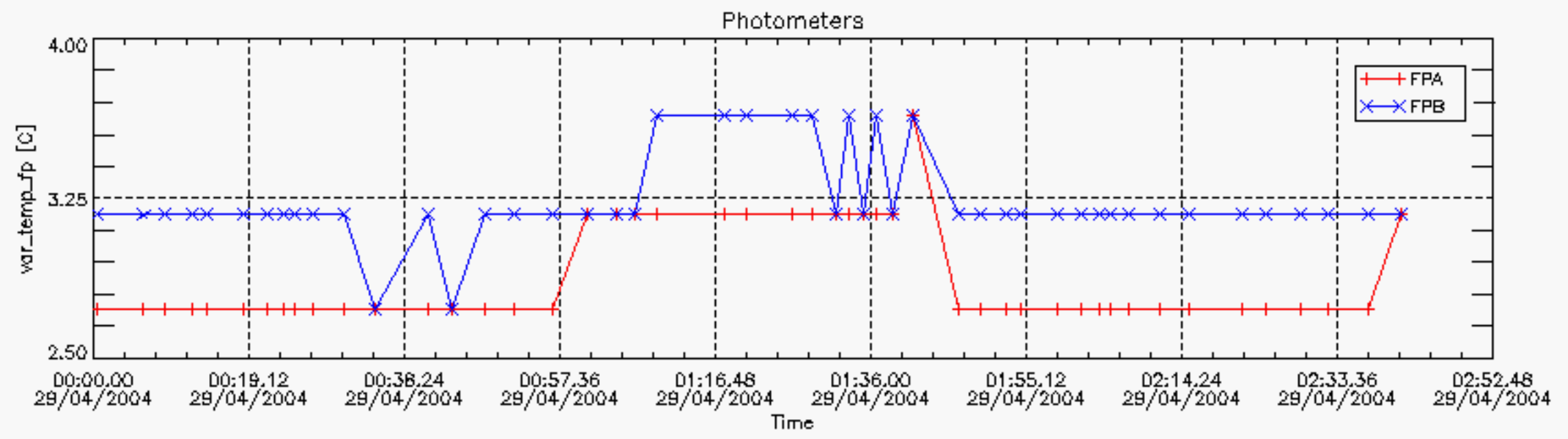
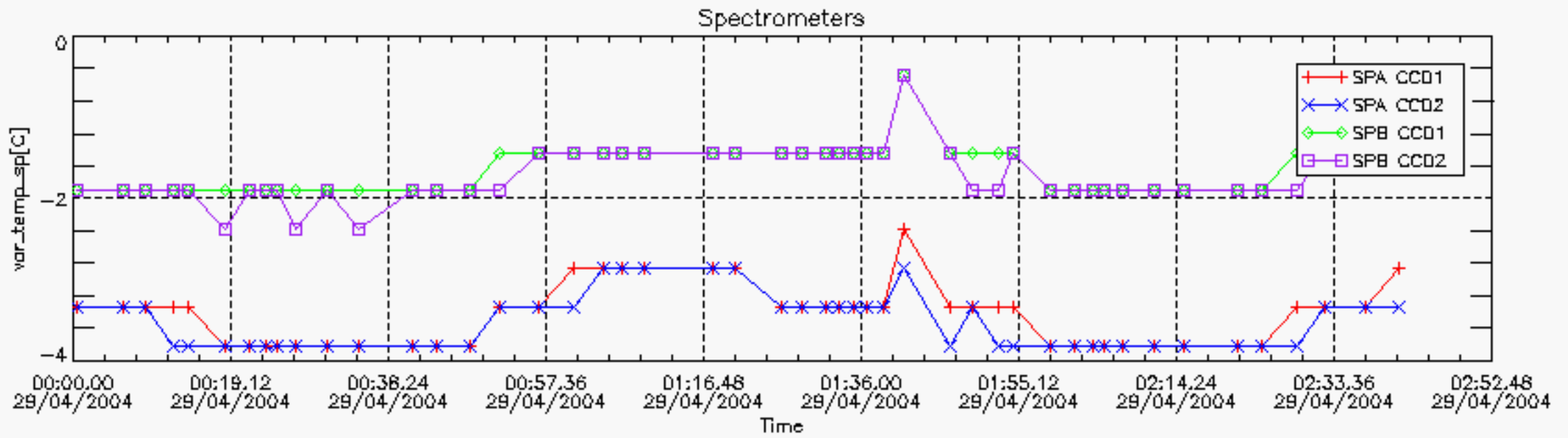
Tangent altitude at which the star is lost

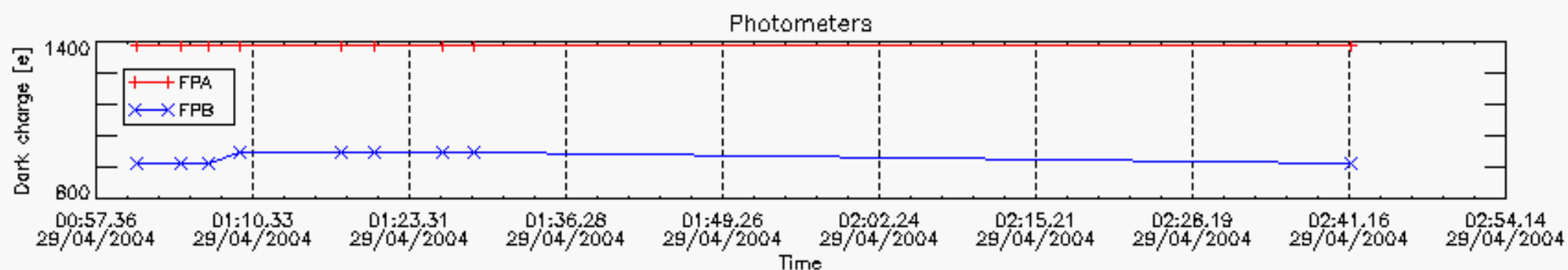
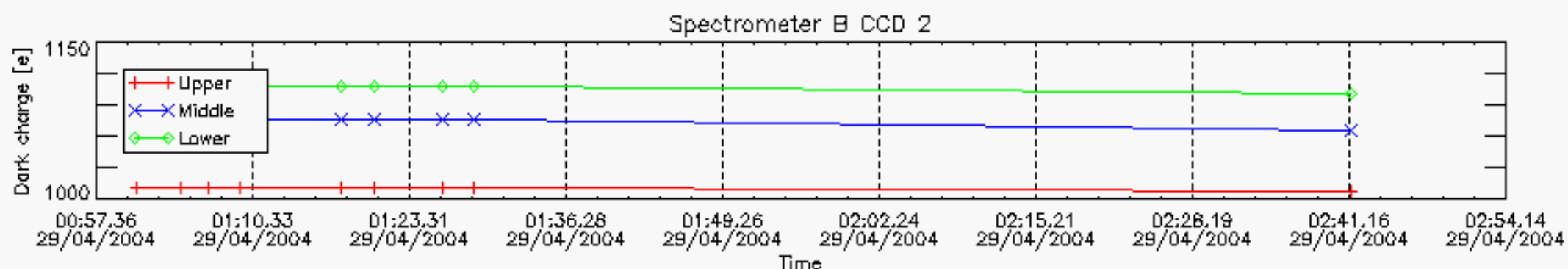
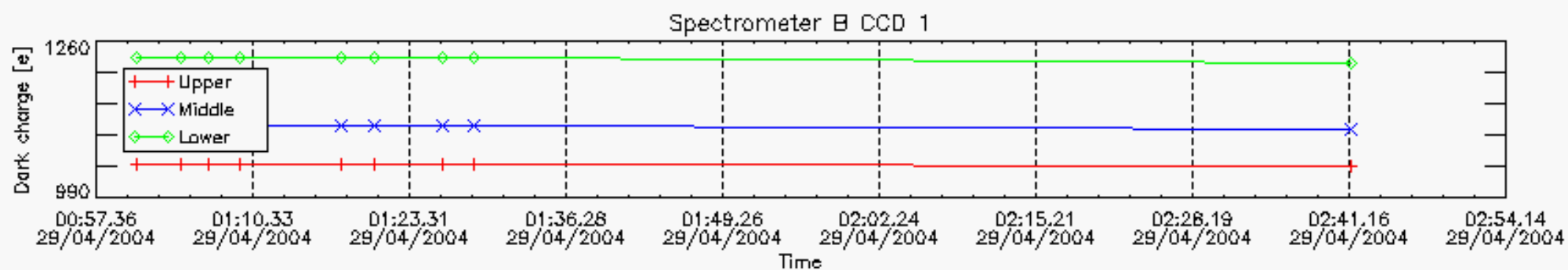
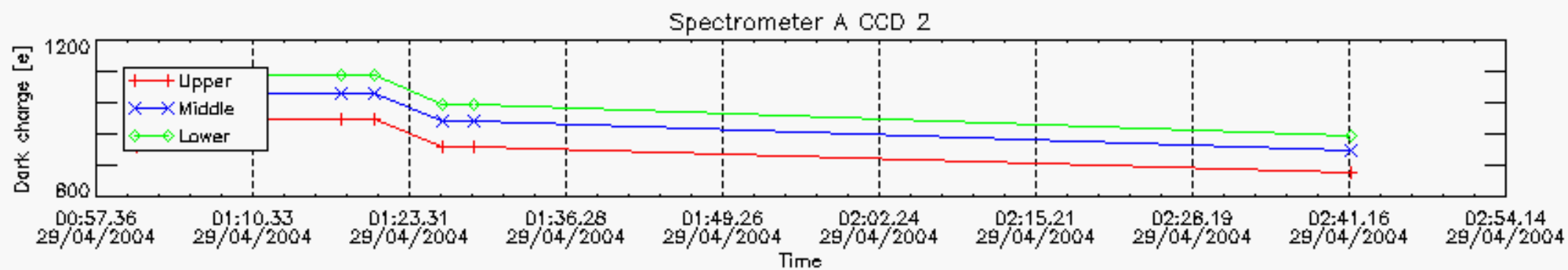
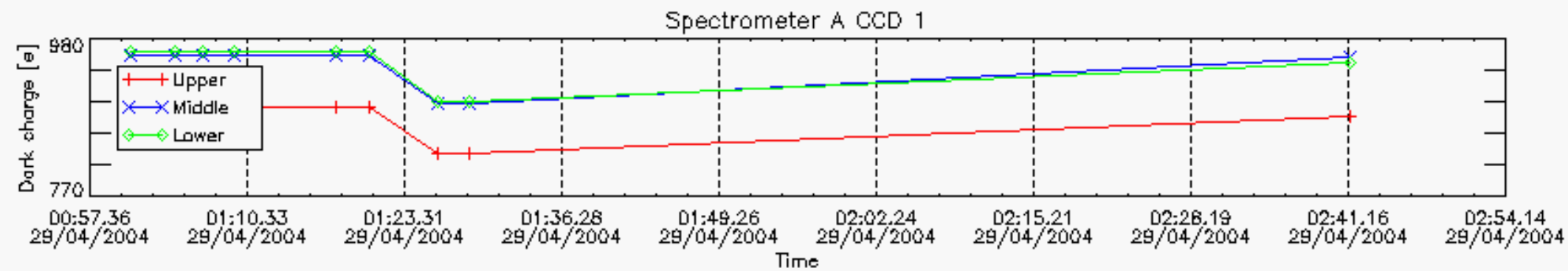


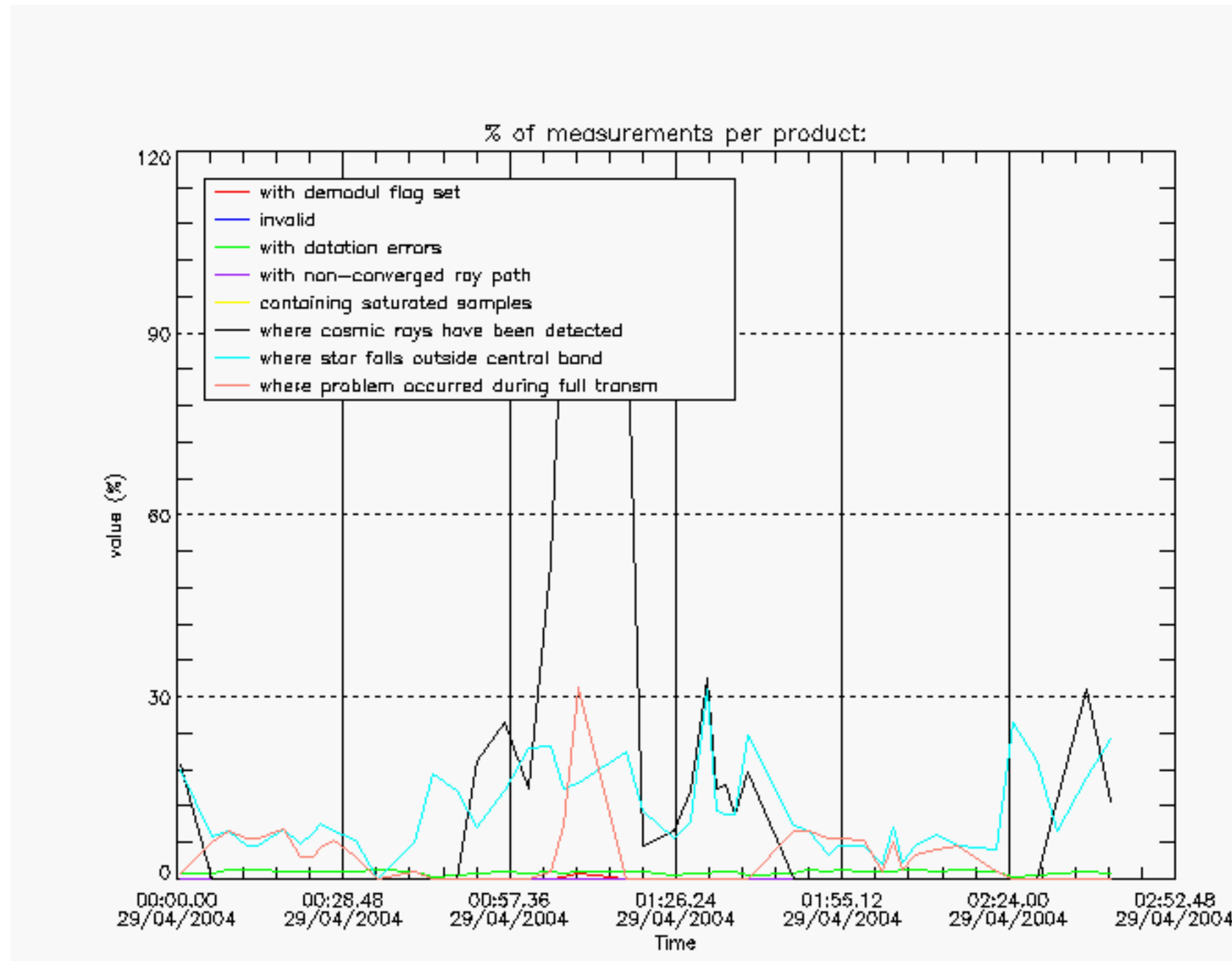
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

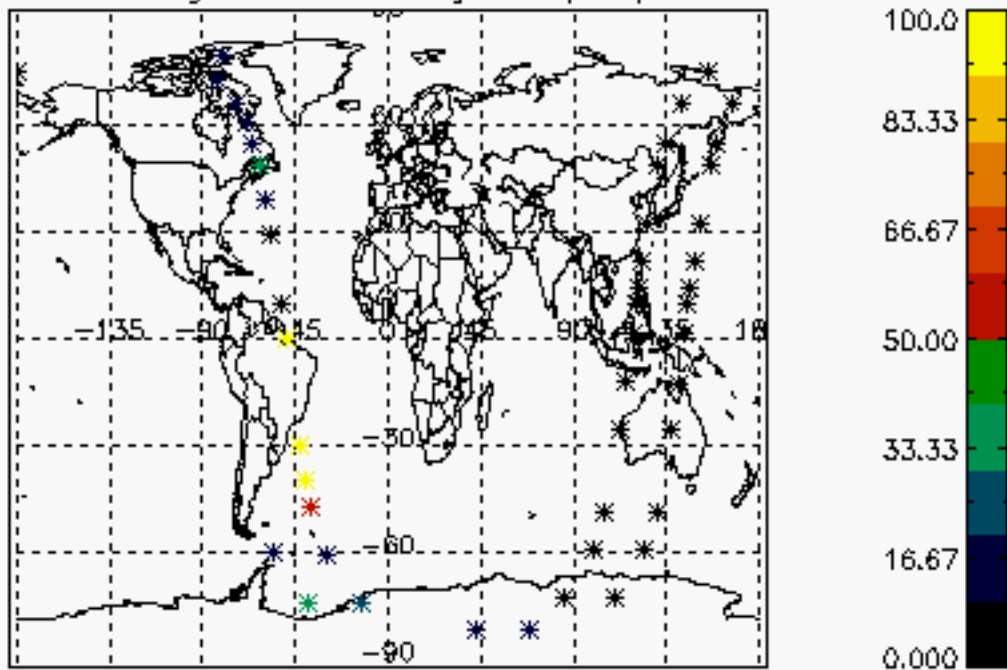
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1462.2	1449.1	1461.8	1447.4
St. deviation:	4.5446	4.9255	6.9271	7.5660
Maximum:	1490.0	1480.0	1515.0	1496.0
Minimum:	1450.0	1441.0	1451.0	1447.0
Number of data:	13100.	13100.	38350.	38350.



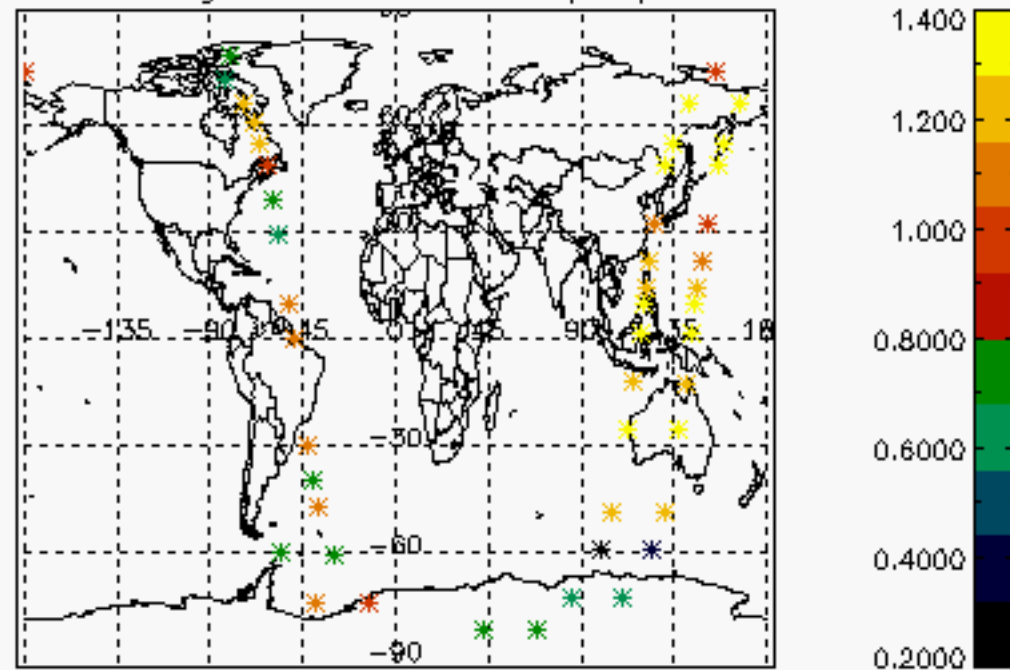




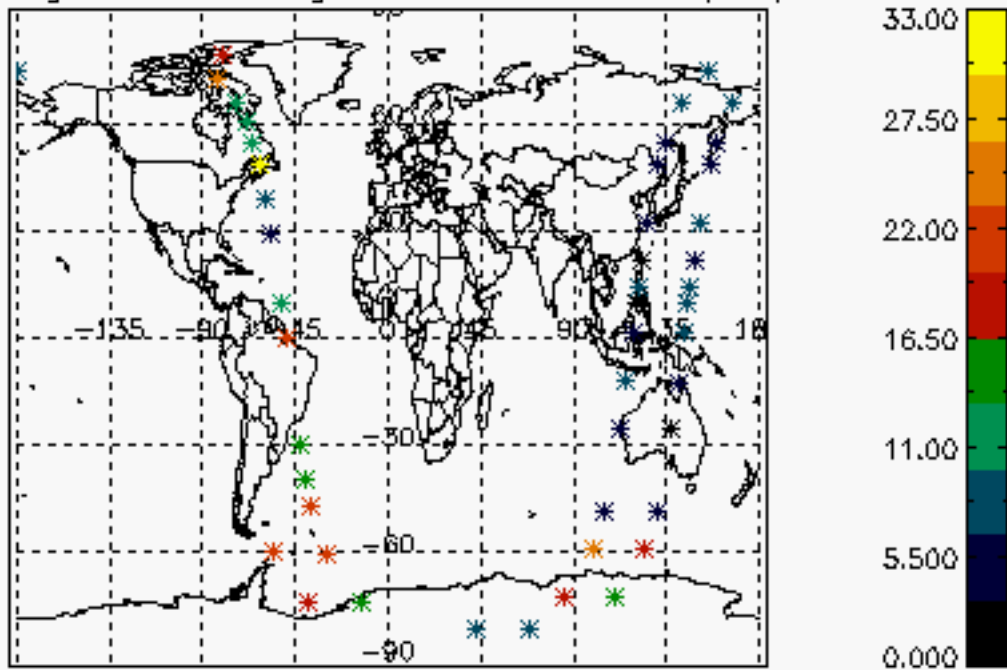
Percentage of cosmic ray hits per profile



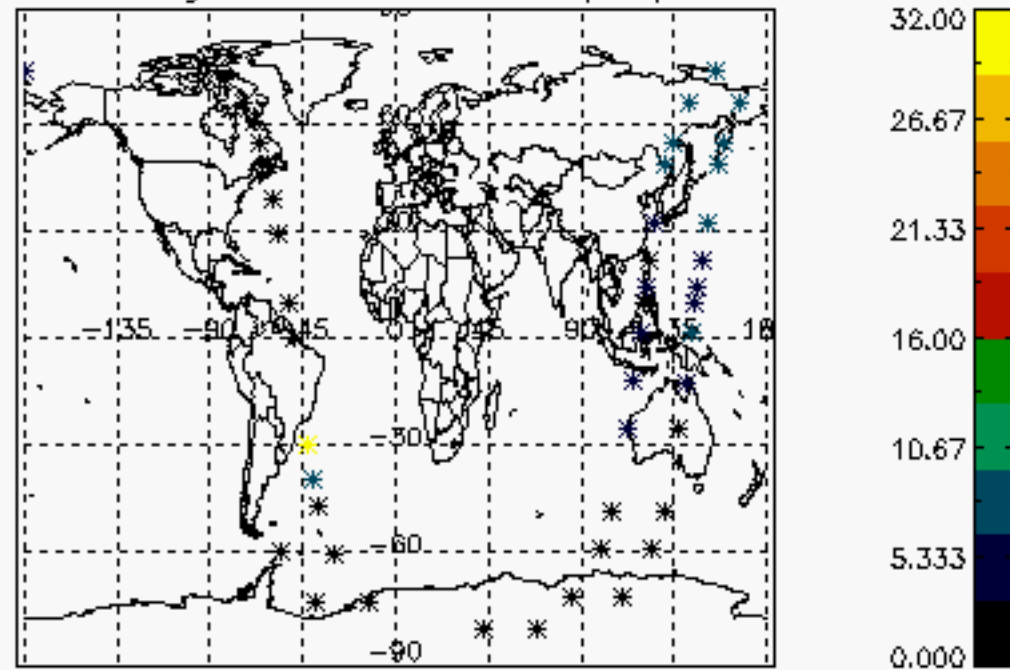
Percentage of datation errors per profile



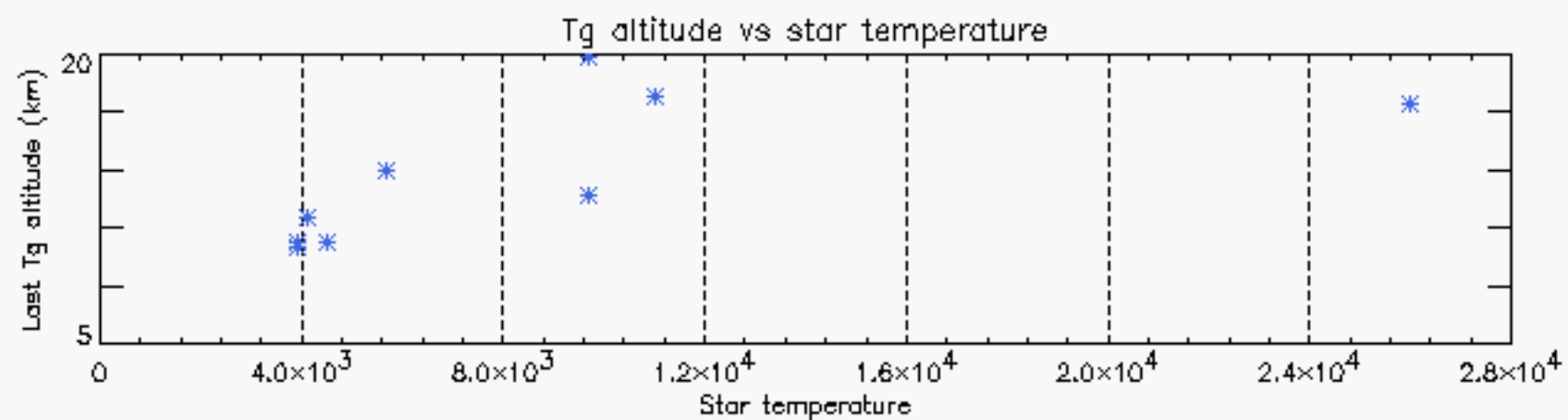
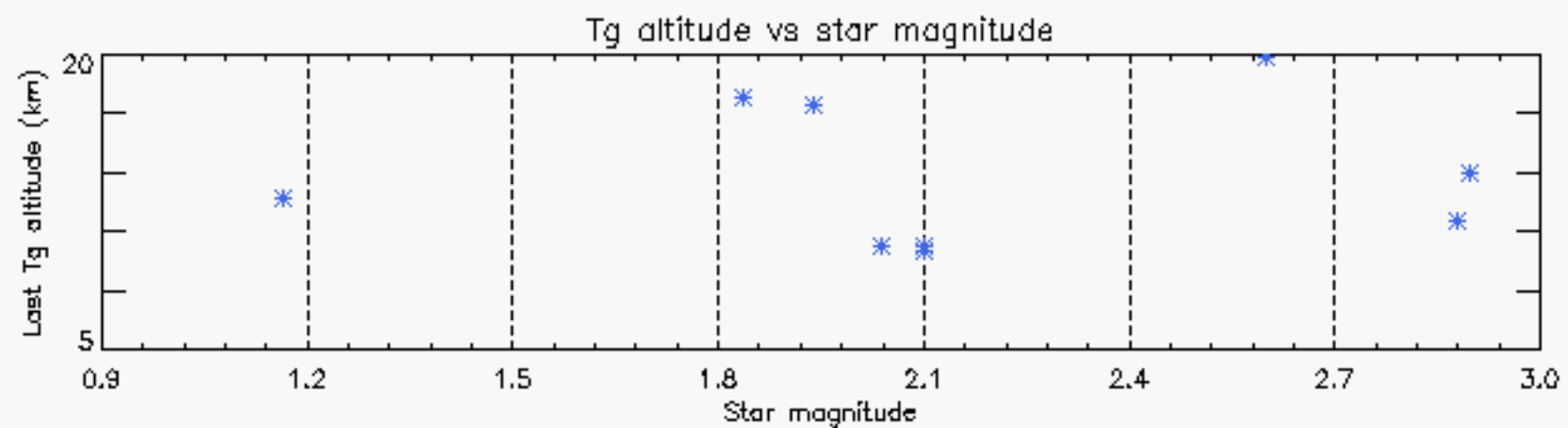
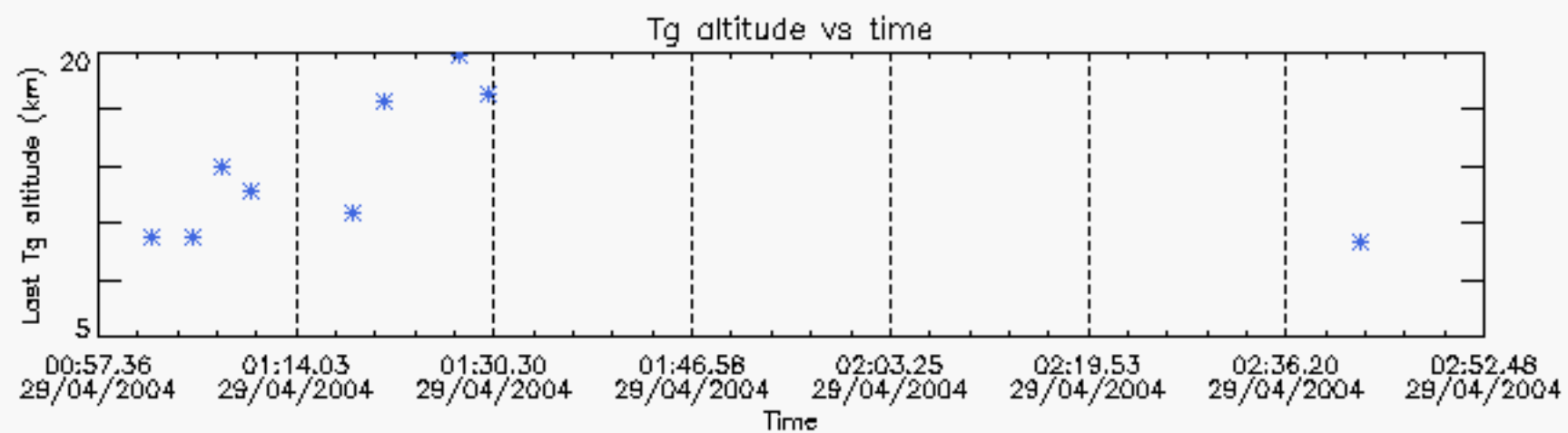
Percentage of star falling outside central band per profile



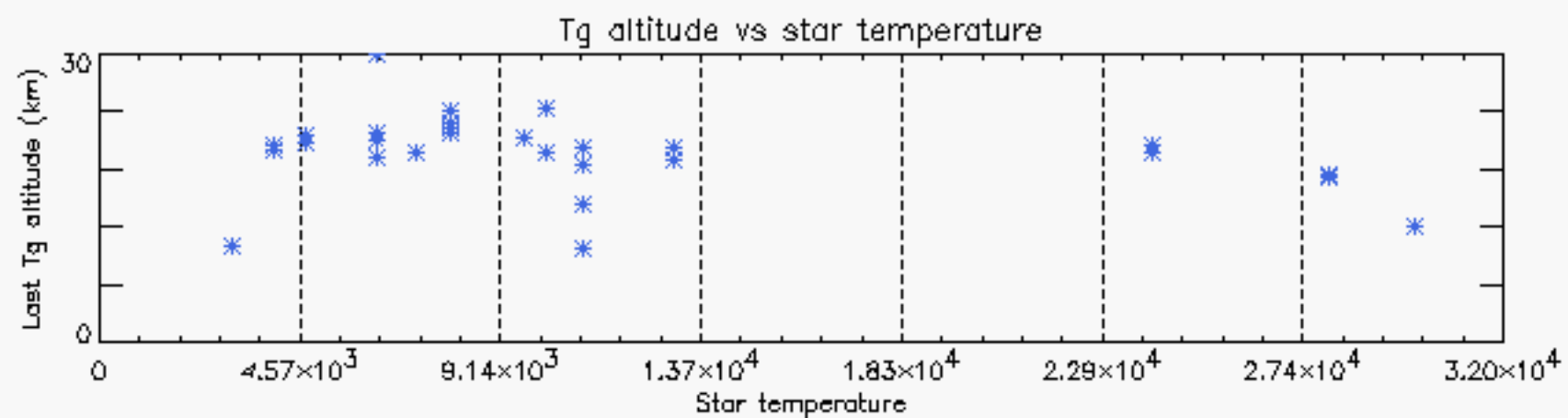
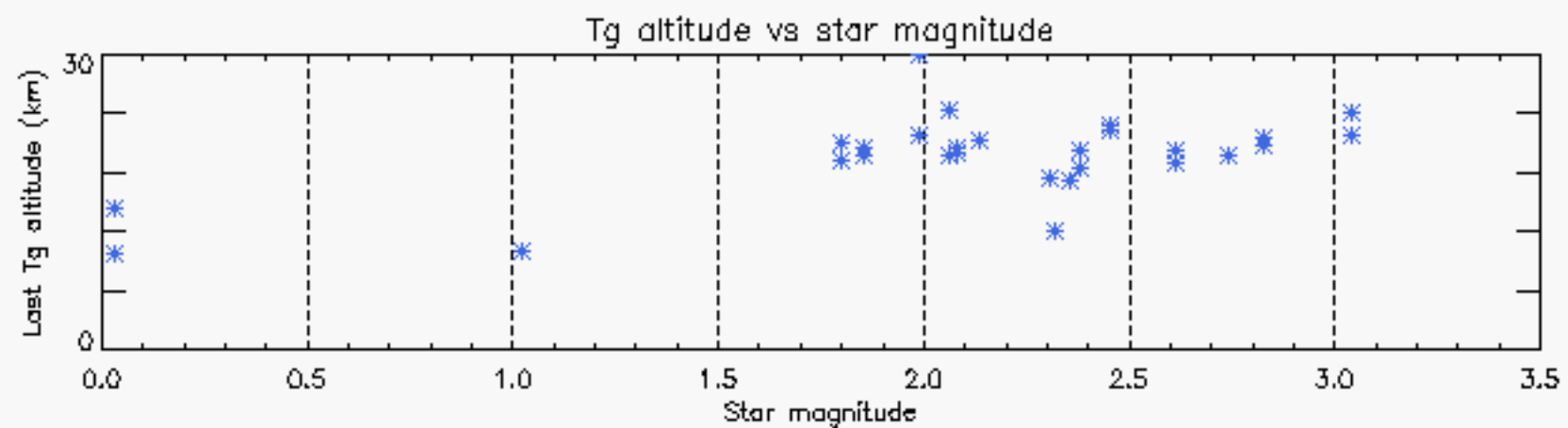
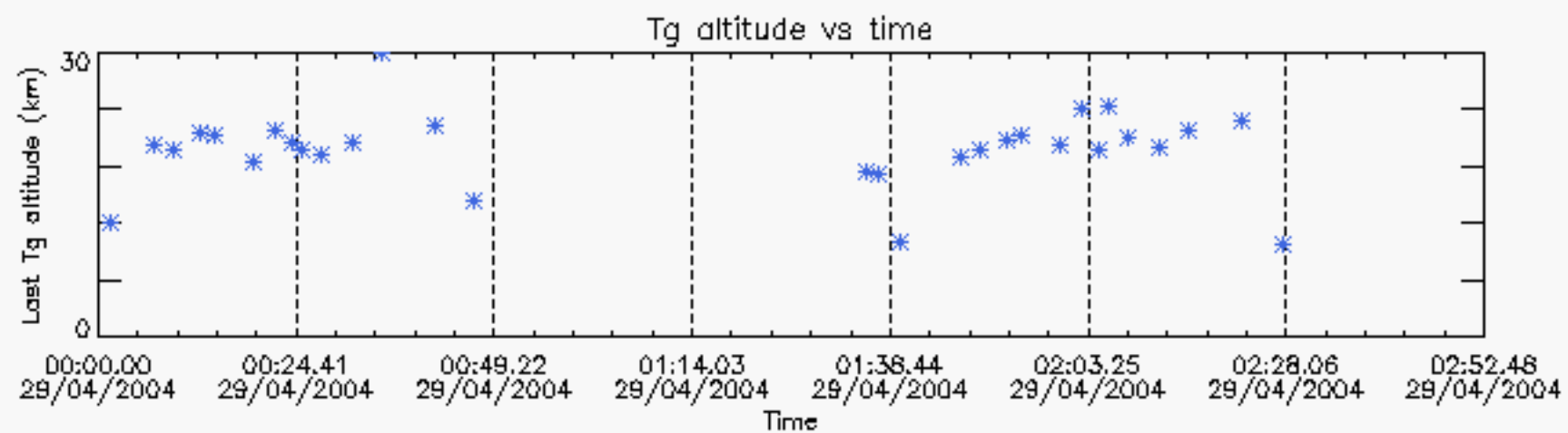
Percentage of saturation errors per profile



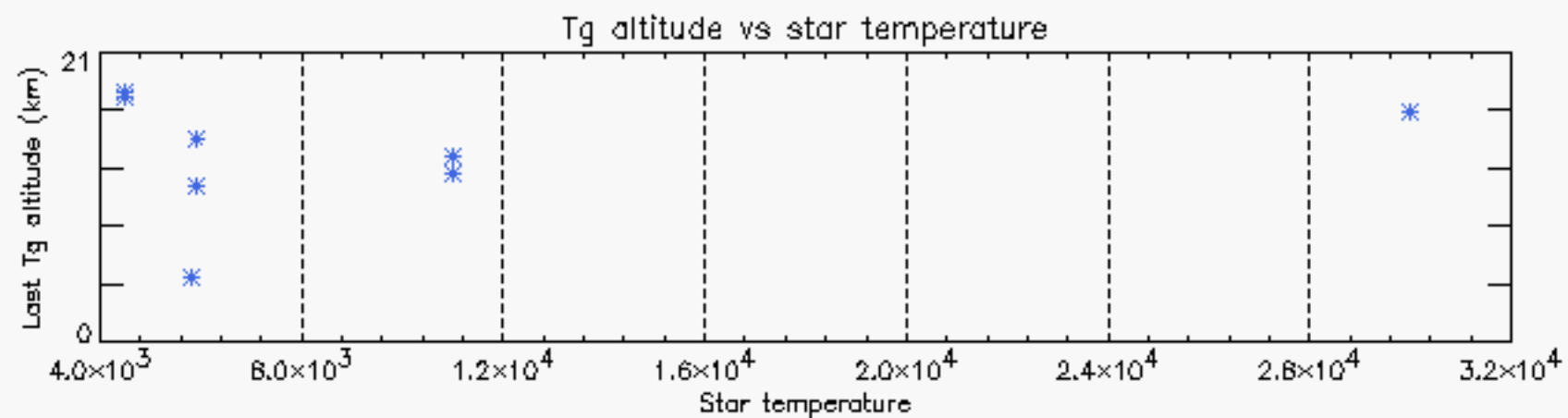
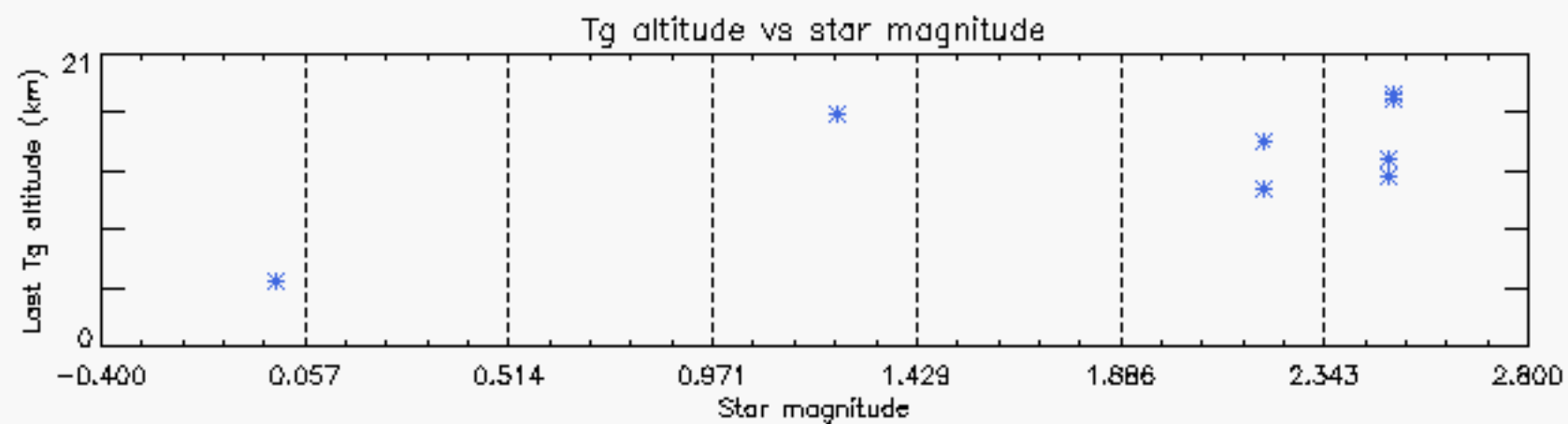
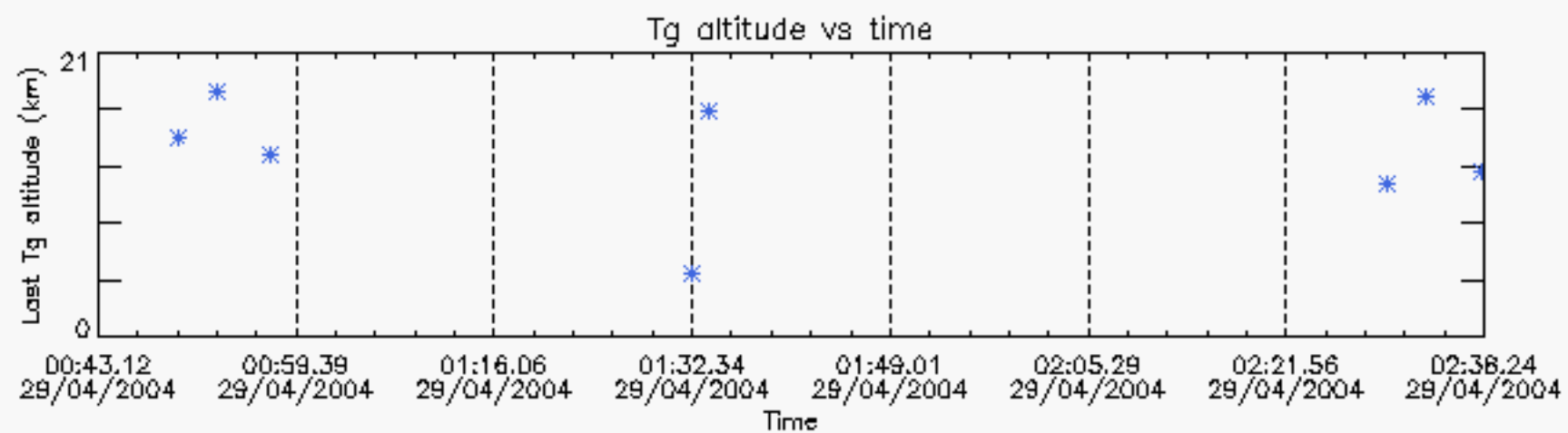
Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



/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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1;-4457.4; 01-APR-2004 13:08:21; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;10914
 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
 33; 1105.7; 01-APR-2004 14:41:04; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0;10915

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1;-4446.6; 01-APR-2004 03:04:56; Dark ; 45.0; 163; 7Del Crv ; 2.94; 11000;occ; 90; 0;10908
 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
 32; 1589.0; 01-APR-2004 04:45:32; Dark ; 9.5; 163; 7Del Crv ; 2.94; 11000;occ; 19; 0;10909

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1;-4447.0; 01-APR-2004 04:45:32; Dark ; 45.5; 163; 7Del Crv ; 2.94; 11000;occ; 91; 0;10909
2;-4350.2; 01-APR-2004 04:47:09; Dark ; 66.5; 15; 67Alp Vir ; 0.98; 28000;occ; 133; 0;10909
3;-4155.5; 01-APR-2004 04:50:23; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;10909
4;-3877.0; 01-APR-2004 04:55:02; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;10909
5;-3780.4; 01-APR-2004 04:56:39; Bright; 37.5; 96; 68Del Leo ; 2.56; 9300;occ; 75; 0;10909
6;-3677.4; 01-APR-2004 04:58:21; Bright; 38.5; 166; 17Eps Leo ; 2.98; 6000;occ; 77; 0;10909
7;-3562.4; 01-APR-2004 05:00:16; Bright; 67.5; 111; 8Eta Boo ; 2.68; 6000;occ; 135; 0;10909
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3;	-4155.1;	01-APR-2004	06:31:00;	Bright	;	45.5;	121;	29Gam Vir	;	2.74;	7200;	occ;	91;	0;	10910
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5;	-3780.1;	01-APR-2004	06:37:15;	Bright	;	37.5;	96;	68Del Leo	;	2.56;	9300;	occ;	75;	0;	10910
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8;	-3371.7;	01-APR-2004	06:44:03;	Bright	;	39.0;	174;	52Psi UMa	;	3.00;	4400;	occ;	78;	0;	10910
9;	-3190.7;	01-APR-2004	06:47:04;	Bright	;	39.0;	87;	64Gam UMa	;	2.43;	11000;	occ;	78;	0;	10910
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11;	-2702.7;	01-APR-2004	06:55:12;	Bright	;	38.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	77;	0;	10910
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13;	-2198.0;	01-APR-2004	07:03:37;	Bright	;	45.0;	76;	27Gam Cas	;	2.30;	30000;	occ;	90;	0;	10910
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17;	-1605.0;	01-APR-2004	07:13:30;	Bright	;	48.0;	92;	53Eps Cyg	;	2.50;	4500;	occ;	96;	0;	10910
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19;	-989.8;	01-APR-2004	07:23:45;	Dark	;	69.0;	11;	53Alp Aql	;	0.76;	8000;	occ;	138;	0;	10910
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21;	-441.8;	01-APR-2004	07:32:53;	Dark	;	40.5;	172;	Gam Gru	;	3.00;	13100;	occ;	81;	0;	10910
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23;	-167.3;	01-APR-2004	07:37:28;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	10910
24;	-43.3;	01-APR-2004	07:39:32;	Dark	;	43.5;	45;	Alp Pav	;	1.94;	26000;	occ;	87;	0;	10910
25;	73.3;	01-APR-2004	07:41:28;	Dark	;	63.0;	116;	19Del Sgr	;	2.70;	4100;	occ;	126;	0;	10911
26;	285.7;	01-APR-2004	07:45:01;	Dark	;	55.0;	85;	Kap Sco	;	2.41;	28000;	occ;	110;	0;	10911
27;	408.0;	01-APR-2004	07:47:03;	Dark	;	44.0;	43;	Alp TrA	;	1.91;	4250;	occ;	88;	0;	10911
28;	519.6;	01-APR-2004	07:48:55;	Dark	;	42.0;	134;	Bet TrA	;	2.81;	6600;	occ;	84;	0;	10911
29;	677.8;	01-APR-2004	07:51:33;	Dark	;	48.5;	4;	Alp1Cen	;	-0.01;	5800;	occ;	97;	0;	10911
30;	812.4;	01-APR-2004	07:53:47;	Dark	;	46.0;	12;	Alp1Cru	;	0.77;	30000;	occ;	92;	0;	10911
31;	899.6;	01-APR-2004	07:55:14;	Dark	;	45.5;	26;	Gam Cru	;	1.62;	2900;	occ;	91;	0;	10911
32;	1016.7;	01-APR-2004	07:57:12;	Dark	;	41.5;	64;	Gam Cen	;	2.20;	10600;	occ;	83;	0;	10911
33;	1103.3;	01-APR-2004	07:58:38;	Dark	;	54.0;	54;	5The Cen	;	2.06;	4500;	occ;	108;	0;	10911
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35;	1578.3;	01-APR-2004	08:06:33;	Dark	;	44.0;	100;	4Gam Crv	;	2.58;	13100;	occ;	88;	0;	10911
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8;	-3190.6;	01-APR-2004	08:27:40;	Bright	;	37.5;	87;	64Gam UMa	;	2.43;	11000;	occ;	75;	0;	10911
9;	-3079.8;	01-APR-2004	08:29:31;	Bright	;	38.0;	36;	50Alp UMa	;	1.80;	6300;	occ;	76;	0;	10911
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11;	-2596.9;	01-APR-2004	08:37:34;	Bright	;	38.5;	49;	1Alp UMi	;	1.99;	6300;	occ;	77;	0;	10911
12;	-2198.5;	01-APR-2004	08:44:12;	Bright	;	36.5;	76;	27Gam Cas	;	2.30;	30000;	occ;	73;	0;	10911
13;	-2118.4;	01-APR-2004	08:45:32;	Bright	;	37.0;	68;	18Alp Cas	;	2.22;	4500;	occ;	74;	0;	10911
14;	-1839.9;	01-APR-2004	08:50:11;	Bright	;	46.0;	144;	18Del Cyg	;	2.86;	11000;	occ;	92;	0;	10911
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16;	-1603.1;	01-APR-2004	08:54:08;	Bright	;	45.5;	92;	53Eps Cyg	;	2.50;	4500;	occ;	91;	0;	10911
17;	-1208.1;	01-APR-2004	09:00:43;	Dark	;	46.0;	61;	8Eps Peg	;	2.10;	3900;	occ;	92;	0;	10911
18;	-989.0;	01-APR-2004	09:04:22;	Dark	;	79.5;	11;	53Alp Aql	;	0.76;	8000;	occ;	159;	0;	10911
19;	-777.4;	01-APR-2004	09:07:53;	Dark	;	40.0;	142;	49Del Cap	;	2.85;	8900;	occ;	80;	0;	10911
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22;	-166.9;	01-APR-2004	09:18:04;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	10911
23;	-42.6;	01-APR-2004	09:20:08;	Dark	;	40.5;	45;	Alp Pav	;	1.94;	26000;	occ;	81;	0;	10911
24;	74.2;	01-APR-2004	09:22:05;	Dark	;	64.5;	116;	19Del Sgr	;	2.70;	4100;	occ;	129;	0;	10912
25;	286.9;	01-APR-2004	09:25:38;	Dark	;	55.0;	85;	Kap Sco	;	2.41;	28000;	occ;	110;	0;	10912
26;	408.4;	01-APR-2004	09:27:39;	Dark	;	40.0;	43;	Alp TrA	;	1.91;	4250;	occ;	80;	0;	10912
27;	520.4;	01-APR-2004	09:29:31;	Dark	;	40.0;	134;	Bet TrA	;	2.81;	6600;	occ;	80;	0;	10912
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29;	812.3;	01-APR-2004	09:34:23;	Dark	;	45.0;	12;	Alp1Cru	;	0.77;	30000;	occ;	90;	0;	10912
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4;	-4162.1;	08-APR-2004	01:08:56;	Bright;	;	43.0;	121;	29Gam Vir	;	2.74;	7200;occ;	86;	0;	11007
5;	-3882.1;	08-APR-2004	01:13:36;	Bright;	;	37.5;	62;	94Bet Leo	;	2.14;	9700;occ;	75;	0;	11007
6;	-3775.7;	08-APR-2004	01:15:22;	Bright;	;	37.5;	96;	68Del Leo	;	2.56;	9300;occ;	75;	0;	11007
7;	-3661.9;	08-APR-2004	01:17:16;	Bright;	;	56.5;	111;	8Eta Boo	;	2.68;	6000;occ;	113;	0;	11007
8;	-3372.6;	08-APR-2004	01:22:05;	Bright;	;	37.0;	174;	52Psi UMa	;	3.00;	4400;occ;	74;	0;	11007
9;	-3208.9;	08-APR-2004	01:24:49;	Bright;	;	39.0;	87;	64Gam UMa	;	2.43;	11000;occ;	78;	0;	11007
10;	-3119.3;	08-APR-2004	01:26:19;	Bright;	;	40.5;	32;	77Eps UMa	;	1.76;	11000;occ;	81;	0;	11007
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12;	-2596.1;	08-APR-2004	01:35:02;	Bright;	;	36.0;	49;	1Alp UMi	;	1.99;	6300;occ;	72;	0;	11007
13;	-2311.7;	08-APR-2004	01:39:46;	Bright;	;	62.0;	130;	23Bet Dra	;	2.80;	5800;occ;	124;	0;	11007
14;	-2171.3;	08-APR-2004	01:42:07;	Bright;	;	36.0;	76;	27Gam Cas	;	2.30;	30000;occ;	72;	0;	11007
15;	-2092.9;	08-APR-2004	01:43:25;	Bright;	;	35.5;	68;	18Alp Cas	;	2.22;	4500;occ;	71;	0;	11007
16;	-1858.4;	08-APR-2004	01:47:20;	Bright;	;	51.0;	144;	18Del Cyg	;	2.86;	11000;occ;	102;	0;	11007
17;	-1749.9;	08-APR-2004	01:49:08;	Bright;	;	95.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	191;	0;	11007
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27;	-1.9;	08-APR-2004	02:18:16;	Dark	;	40.5;	45;	Alp Pav	;	1.94;	26000;occ;	81;	0;	11007
28;	213.3;	08-APR-2004	02:21:51;	Dark	;	61.0;	38;	20Eps Sgr	;	1.84;	11000;occ;	122;	0;	11008
29;	325.3;	08-APR-2004	02:23:43;	Dark	;	71.0;	167;	10Gam2Sgr	;	2.98;	4500;occ;	142;	0;	11008
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33;	993.2;	08-APR-2004	02:34:51;	Dark	;	106.5;	16;	21Alp Sco	;	1.02;	3000;occ;	213;	0;	11008
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7;	-3662.5;	08-APR-2004	02:57:51;	Bright;	;	54.0;	111;	8Eta Boo	;	2.68;	6000;occ;	108;	0;	11008
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9;	-3208.8;	08-APR-2004	03:05:25;	Bright;	;	37.0;	87;	64Gam UMa	;	2.43;	11000;occ;	74;	0;	11008
10;	-3119.6;	08-APR-2004	03:06:54;	Bright;	;	38.5;	32;	77Eps UMa	;	1.76;	11000;occ;	77;	0;	11008
11;	-2733.7;	08-APR-2004	03:13:20;	Bright;	;	42.5;	60;	7Bet UMi	;	2.08;	3950;occ;	85;	0;	11008
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14;	-2171.2;	08-APR-2004	03:22:43;	Bright;	;	37.0;	76;	27Gam Cas	;	2.30;	30000;occ;	74;	0;	11008
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17;	-1750.5;	08-APR-2004	03:29:43;	Bright;	;	93.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	186;	0;	11008
18;	-1591.3;	08-APR-2004	03:32:23;	Bright;	;	47.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	94;	0;	11008
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28;	214.5;	08-APR-2004	04:02:29;	Dark	;	59.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	119;	0;	11009
29;	327.3;	08-APR-2004	04:04:21;	Dark	;	76.5;	167;	10Gam2Sgr	;	2.98;	4500;occ;	153;	0;	11009
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31;	720.6;	08-APR-2004	04:10:55;	Dark	;	45.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	90;	0;	11009
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27; 308.7; 19-APR-2004 06:39:15; Dark ; 80.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 161; 0;11168
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