

GOMOS Daily Report 20-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	22APR2004 04:37:45
Data source version	GOMOS/4.02
Start time of products	20-APR-2004 (20APR2004 00:00:00)
Stop time of products	21-APR-2004 (21APR2004 00:00:00)
Store outputs flag	1
Nb of level 1b prods	50
Nb of prods with errors	0

2. Summary of products arrived in PCF

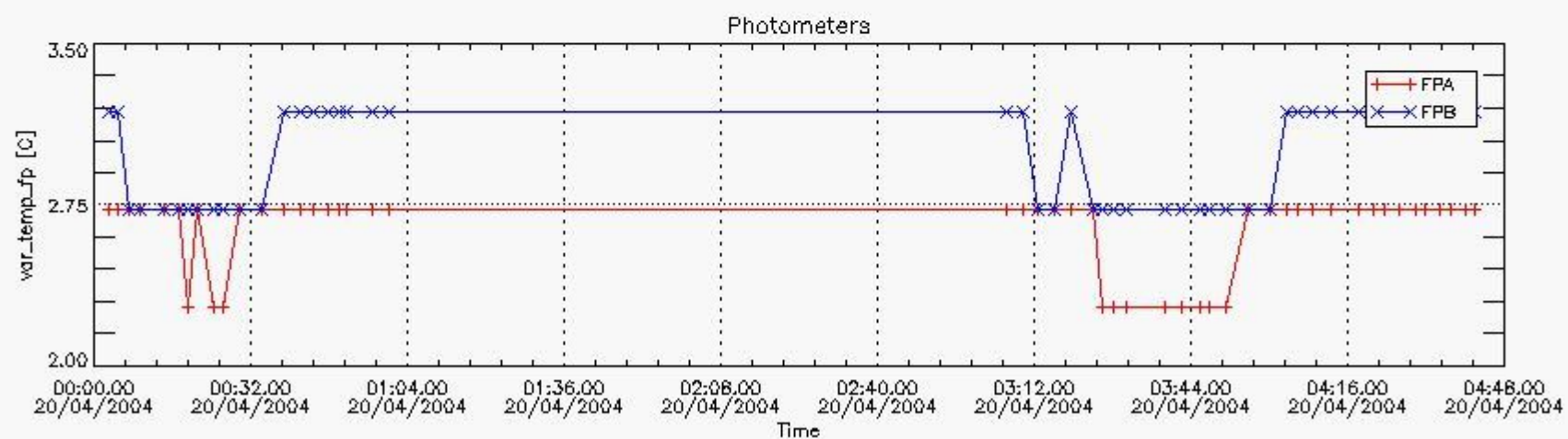
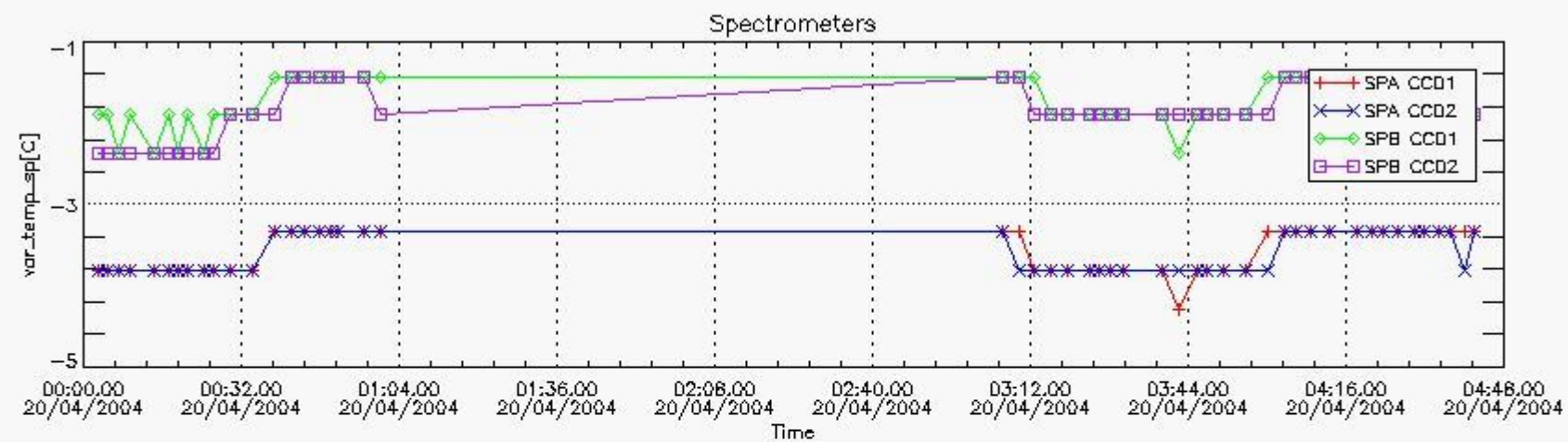
[2.1 Level 0 products arrived in PCF \(see template \[here\]\(#\)\)](#)

[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_1PNPDE20040420_000259_000000372026_00102_11178_0006.N1	20-APR-2004 00:02:59	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	11178	No
GOM_TRA_1PNPDE20040420_000449_000000362026_00102_11178_0007.N1	20-APR-2004 00:04:49	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	11178	No
GOM_TRA_1PNPDE20040420_000704_000000362026_00102_11178_0008.N1	20-APR-2004 00:07:04	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	11178	No
GOM_TRA_1PNPDE20040420_000932_000000392026_00102_11178_0009.N1	20-APR-2004 00:09:32	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	11178	No
GOM_TRA_1PNPDE20040420_001419_000000402026_00102_11178_0010.N1	20-APR-2004 00:14:19	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	11178	No
GOM_TRA_1PNPDE20040420_001728_000000342026_00102_11178_0011.N1	20-APR-2004 00:17:28	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	11178	No
GOM_TRA_1PNPDE20040420_001915_000000602026_00102_11178_0012.N1	20-APR-2004 00:19:15	Bright	60.000	130	23Bet Dra	2.7990	5800.0	120	11178	No
GOM_TRA_1PNPDE20040420_002107_000000662026_00102_11178_0013.N1	20-APR-2004 00:21:07	Bright	65.500	69	33Gam Dra	2.2310	3800.0	131	11178	No
GOM_TRA_1PNPDE20040420_002431_000000412026_00102_11178_0014.N1	20-APR-2004 00:24:31	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	11178	No
GOM_TRA_1PNPDE20040420_002625_000000382026_00102_11178_0015.N1	20-APR-2004 00:26:25	Bright	37.500	68	18Alp Cas	2.2250	4500.0	75	11178	No
GOM_TRA_1PNPDE20040420_002947_000001402026_00102_11178_0016.N1	20-APR-2004 00:29:47	Bright	140.00	5	3Alp Lyr	0.033000	11000.	280	11178	No
GOM_TRA_1PNPDE20040420_003425_000000672026_00102_11178_0017.N1	20-APR-2004 00:34:25	Dark	67.000	92	53Eps Cyg	2.5000	4500.0	134	11178	No
GOM_TRA_1PNPDE20040420_003857_000000432026_00102_11178_0018.N1	20-APR-2004 00:38:57	Dark	42.500	90	54Alp Peg	2.4870	11000.	85	11178	No
GOM_TRA_1PNPDE20040420_004216_000000622026_00102_11178_0019.N1	20-APR-2004 00:42:16	Dark	61.500	61	8Eps Peg	2.1000	3900.0	123	11178	No
GOM_TRA_1PNPDE20040420_004444_000000502026_00102_11178_0020.N1	20-APR-2004 00:44:44	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	11178	No
GOM_TRA_1PNPDE20040420_004737_000000522026_00102_11178_0021.N1	20-APR-2004 00:47:37	Dark	52.000	154	22Bet Aqr	2.8990	5700.0	104	11178	No
GOM_TRA_1PNPDE20040420_004956_000000502026_00102_11178_0022.N1	20-APR-2004 00:49:56	Dark	50.000	142	49Del Cap	2.8500	8900.0	100	11178	No
GOM_TRA_1PNPDE20040420_005125_000000442026_00102_11178_0023.N1	20-APR-2004 00:51:25	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	11178	No
GOM_TRA_1PNPDE20040420_005659_000000402026_00102_11178_0024.N1	20-APR-2004 00:56:59	Dark	40.000	31	Alp Gru	1.7340	15200.	80	11178	No
GOM_TRA_1PNPDE20040420_010003_000000422026_00102_11178_0025.N1	20-APR-2004 01:00:03	Dark	42.000	148	Alp Tuc	2.8780	4100.0	84	11178	No
GOM_TRA_1PNPDE20040420_030626_000000432026_00104_11180_0000.N1	20-APR-2004 03:06:26	Dark	43.000	106	9Bet Crv	2.6480	5600.0	86	11180	No
GOM_TRA_1PNPDE20040420_030933_000000442026_00104_11180_0001.N1	20-APR-2004 03:09:33	Bright	43.500	15	67Alp Vir	0.97600	28000.	87	11180	No
GOM_TRA_1PNPDE20040420_031234_000000402026_00104_11180_0002.N1	20-APR-2004 03:12:34	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	11180	No
GOM_TRA_1PNPDE20040420_031612_000000392026_00104_11180_0003.N1	20-APR-2004 03:16:12	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	11180	No
GOM_TRA_1PNPDE20040420_031929_000000392026_00104_11180_0004.N1	20-APR-2004 03:19:29	Bright	38.500	96	68Del Leo	2.5600	9300.0	77	11180	No
GOM_TRA_1PNPDE20040420_032410_000000382026_00104_11180_0005.N1	20-APR-2004 03:24:10	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	11180	No
GOM_TRA_1PNPDE20040420_032601_000000382026_00104_11180_0006.N1	20-APR-2004 03:26:01	Bright	38.000	174	52Psi UMa	3.0040	4400.0	76	11180	No
GOM_TRA_1PNPDE20040420_032815_000000372026_00104_11180_0007.N1	20-APR-2004 03:28:15	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	11180	No
GOM_TRA_1PNPDE20040420_033044_000000382026_00104_11180_0008.N1	20-APR-2004 03:30:44	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	11180	No
GOM_TRA_1PNPDE20040420_033840_000000382026_00104_11180_0010.N1	20-APR-2004 03:38:40	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	11180	No
GOM_TRA_1PNPDE20040420_034218_000000712026_00104_11180_0012.N1	20-APR-2004 03:42:18	Bright	70.500	69	33Gam Dra	2.2310	3800.0	141	11180	No
GOM_TRA_1PNPDE20040420_034542_000000412026_00104_11180_0013.N1	20-APR-2004 03:45:42	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	11180	No
GOM_TRA_1PNPDE20040420_034736_000000372026_00104_11180_0014.N1	20-APR-2004 03:47:36	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	11180	No
GOM_TRA_1PNPDE20040420_035058_000001382026_00104_11180_0015.N1	20-APR-2004 03:50:58	Bright	137.50	5	3Alp Lyr	0.033000	11000.	275	11180	No
GOM_TRA_1PNPDE20040420_035538_000000642026_00104_11180_0016.N1	20-APR-2004 03:55:38	Dark	63.500	92	53Eps Cyg	2.5000	4500.0	127	11180	No
GOM_TRA_1PNPDE20040420_040008_000000462026_00104_11180_0017.N1	20-APR-2004 04:00:08	Dark	45.500	90	54Alp Peg	2.4870	11000.	91	11180	No
GOM_TRA_1PNPDE20040420_040329_000000562026_00104_11180_0018.N1	20-APR-2004 04:03:29	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	11180	No
GOM_TRA_1PNPDE20040420_040557_000000512026_00104_11180_0019.N1	20-APR-2004 04:05:57	Dark	50.500	162	34Alp Aqr	2.9440	5350.0	101	11180	No
GOM_TRA_1PNPDE20040420_040850_000000522026_00104_11180_0020.N1	20-APR-2004 04:08:50	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	11180	No
GOM_TRA_1PNPDE20040420_041238_000000462026_00104_11180_0021.N1	20-APR-2004 04:12:38	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	11180	No
GOM_TRA_1PNPDE20040420_041812_000000422026_00104_11180_0022.N1	20-APR-2004 04:18:12	Dark	42.000	31	Alp Gru	1.7340	15200.	84	11180	No
GOM_TRA_1PNPDE20040420_042116_000000432026_00104_11180_0023.N1	20-APR-2004 04:21:16	Dark	43.000	148	Alp Tuc	2.8780	4100.0	86	11180	No
GOM_TRA_1PNPDE20040420_042322_000000422026_00105_11181_0024.N1	20-APR-2004 04:23:22	Dark	41.500	45	Alp Pav	1.9400	26000.	83	11181	No
GOM_TRA_1PNPDE20040420_042623_000000692026_00105_11181_0025.N1	20-APR-2004 04:26:23	Dark	69.000	103	38Zet Sgr	2.6000	9700.0	138	11181	No
GOM_TRA_1PNPDE20040420_042945_000000732026_00105_11181_0026.N1	20-APR-2004 04:29:45	Dark	73.000	38	20Eps Sgr	1.8360	11000.	146	11181	No
GOM_TRA_1PNPDE20040420_043154_000000652026_00105_11181_0027.N1	20-APR-2004 04:31:54	Dark	64.500	40	The Sco	1.8590	7100.0	129	11181	No
GOM_TRA_1PNPDE20040420_043500_000000472026_00105_11181_0028.N1	20-APR-2004 04:35:00	Dark	46.500	4	Alp1Cen	-0.010000	5800.0	93	11181	No
GOM_TRA_1PNPDE20040420_043658_000000422026_00105_11181_0029.N1	20-APR-2004 04:36:58	Dark	41.500	20	Bet Cru	1.2530	30000.	83	11181	No
GOM_TRA_1PNPDE20040420_043956_000000432026_00105_11181_0030.N1	20-APR-2004 04:39:56	Dark	42.500	64	Gam Cen	2.2000	10600.	85	11181	No
GOM_TRA_1PNPDE20040420_044206_000000482026_00105_11181_0031.N1	20-APR-2004 04:42:06	Dark	48.000	54	5The Cen	2.0550	4500.0	96	11181	No

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



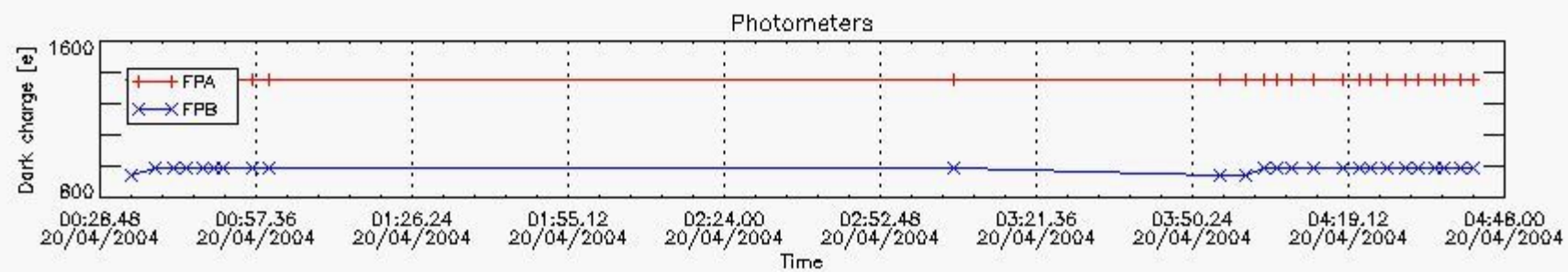
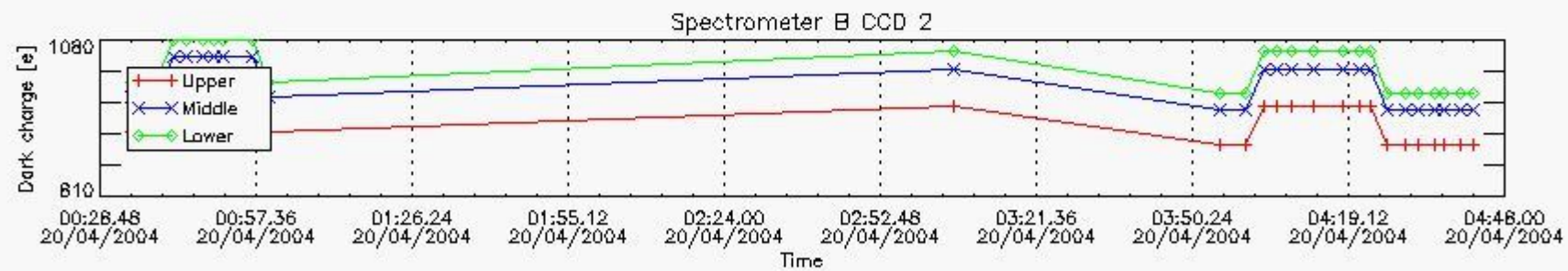
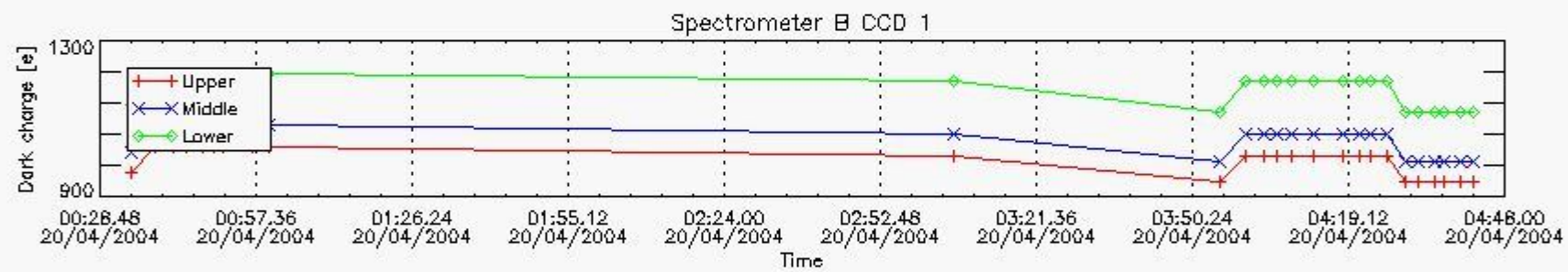
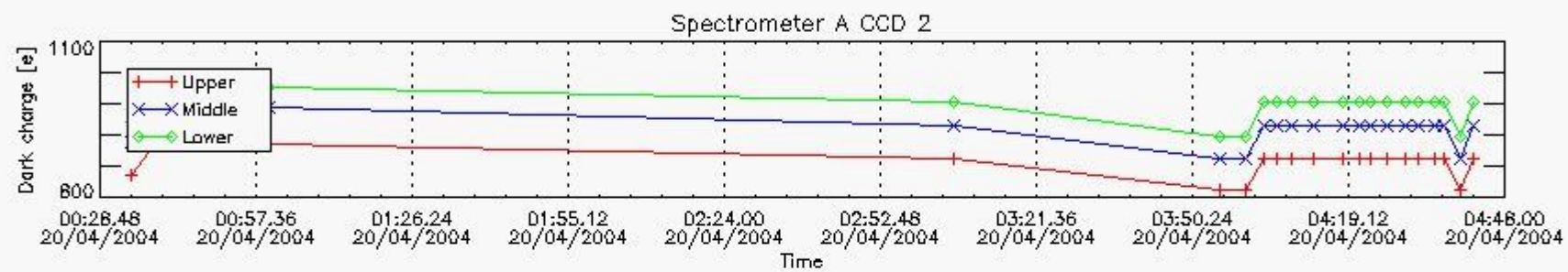
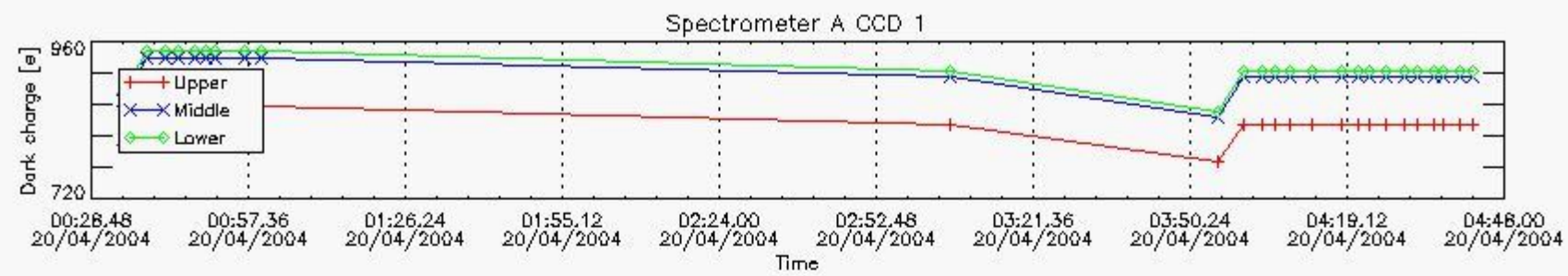
4. Overview of dark signal processing per product

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



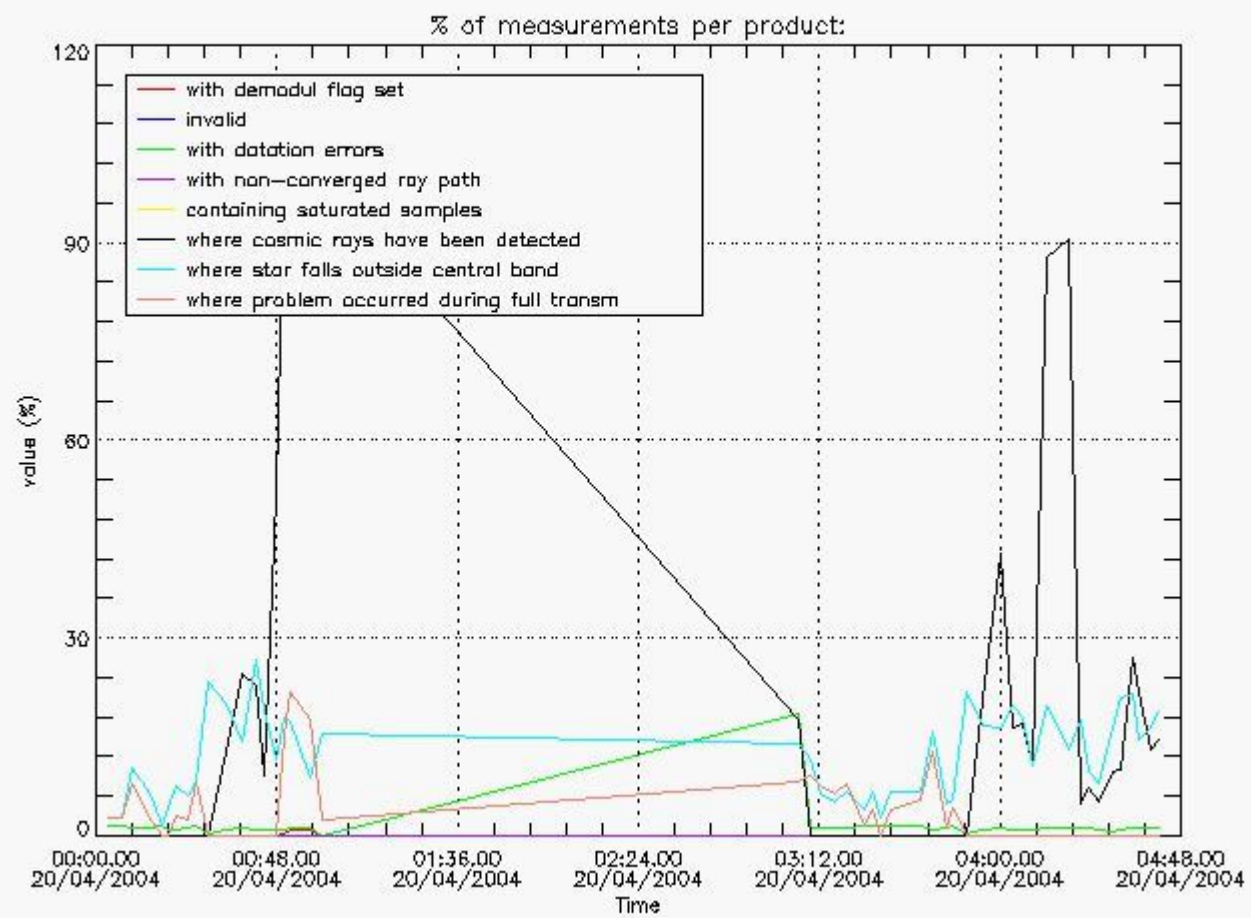
5. Demodulation flag and quality information monitoring

5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	18.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %



5.2 Plot quality information per product



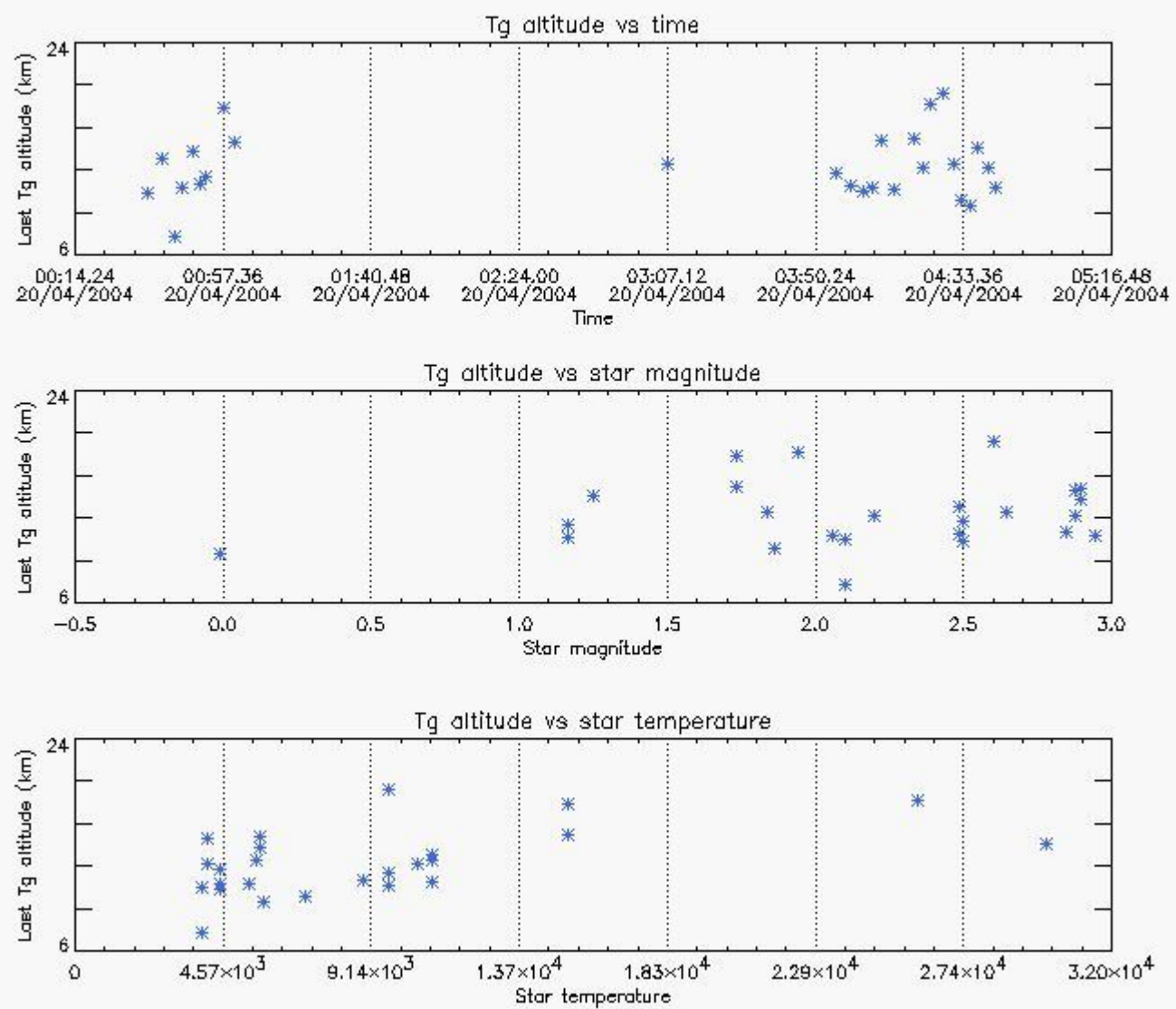
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT
Mean:	13.425	20.560
St. deviation:	2.7915	4.1477
Maximum:	19.688	29.301
Minimum:	7.4963	10.681
Number of data:	26.000	24.000

6.2 Plot for DARK limb products

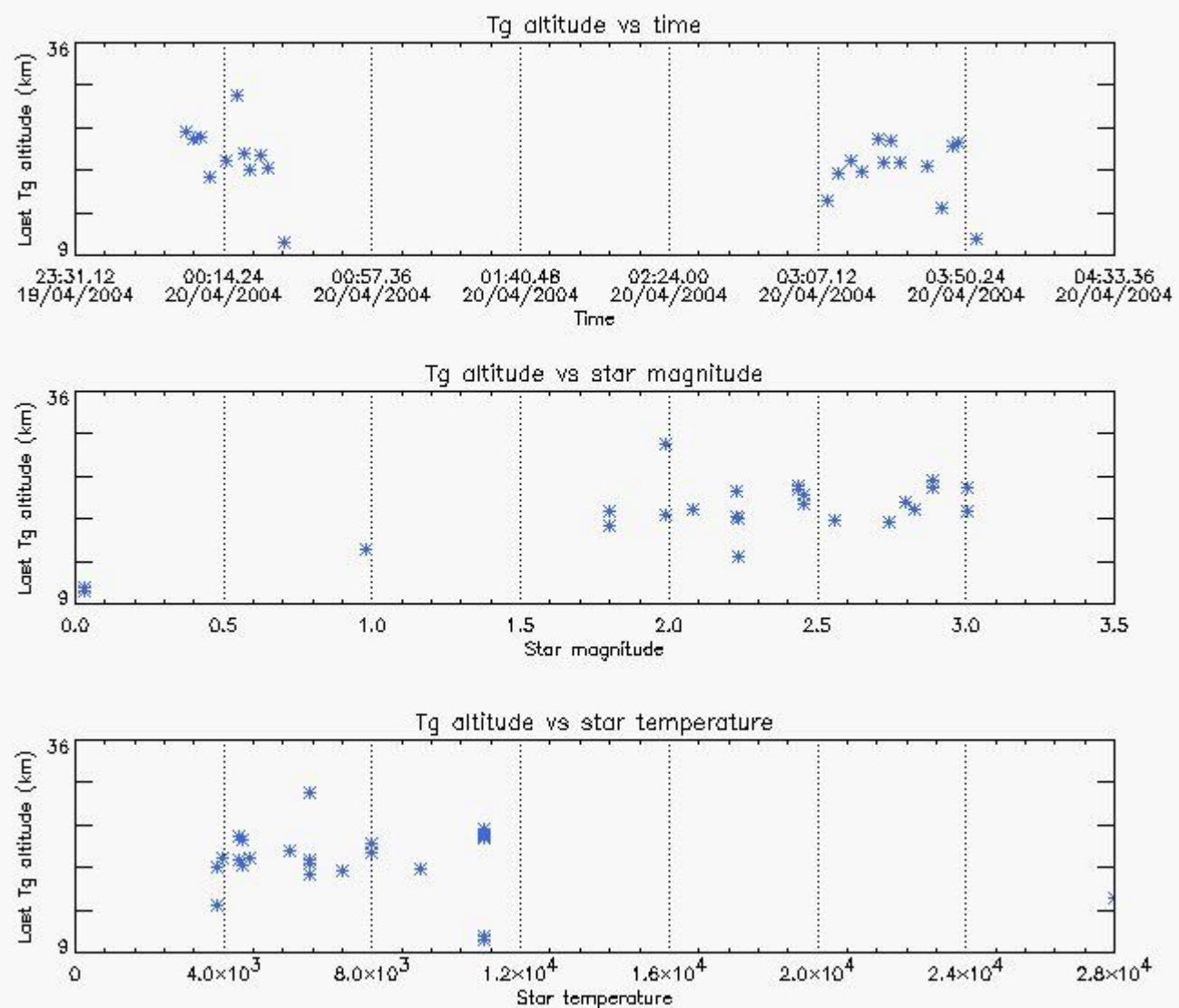
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



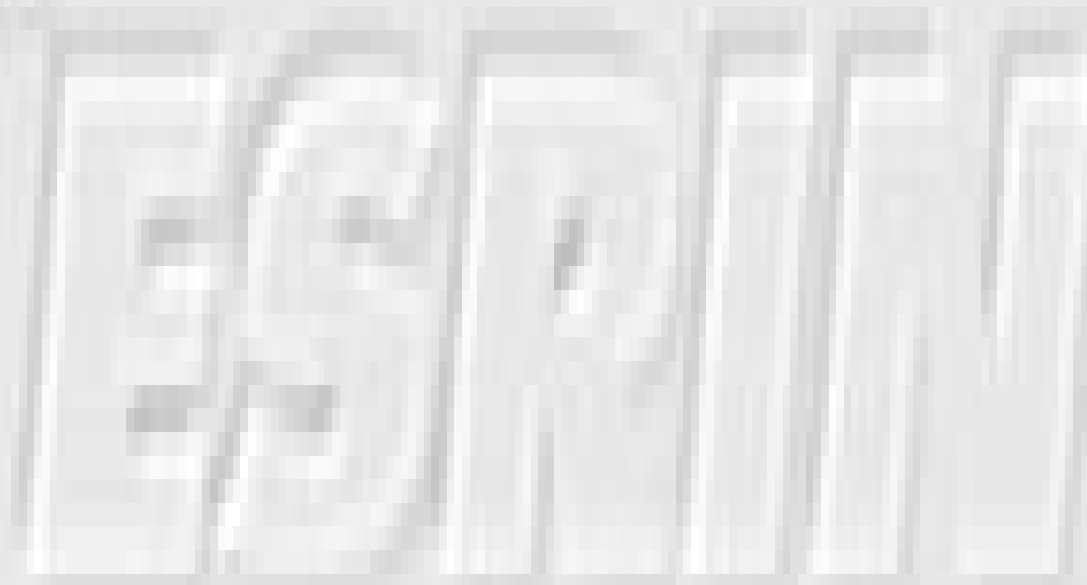
Tangent altitude at which the star is lost



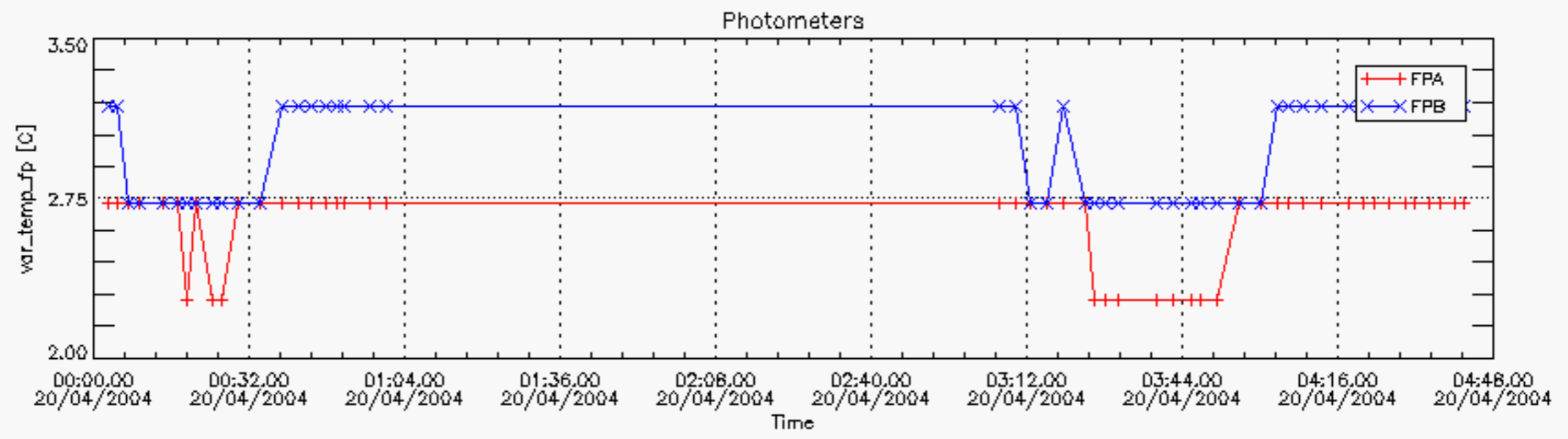
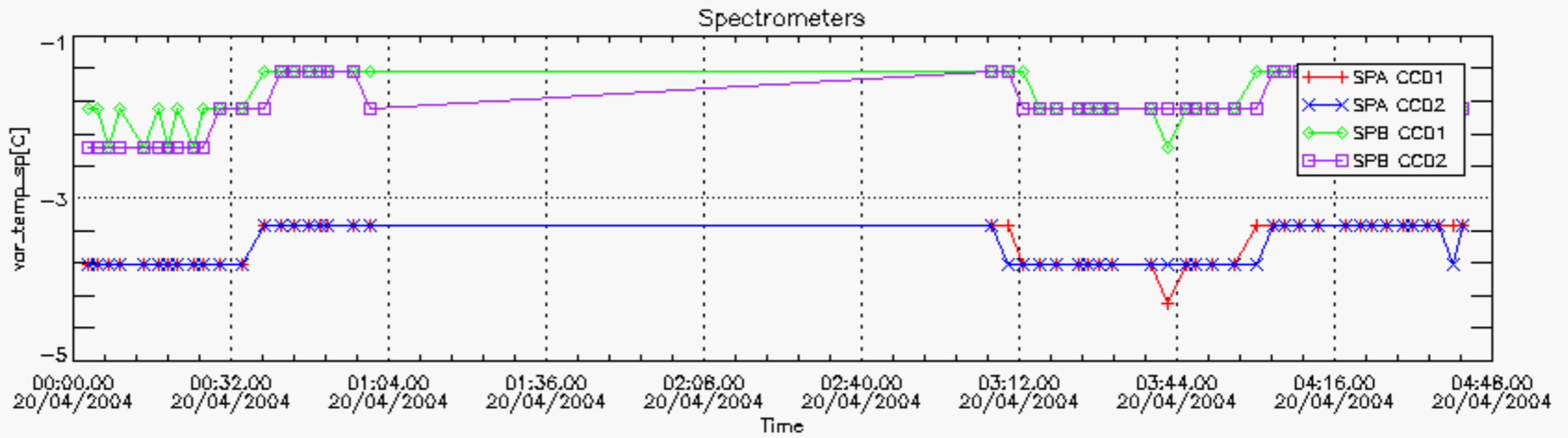
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

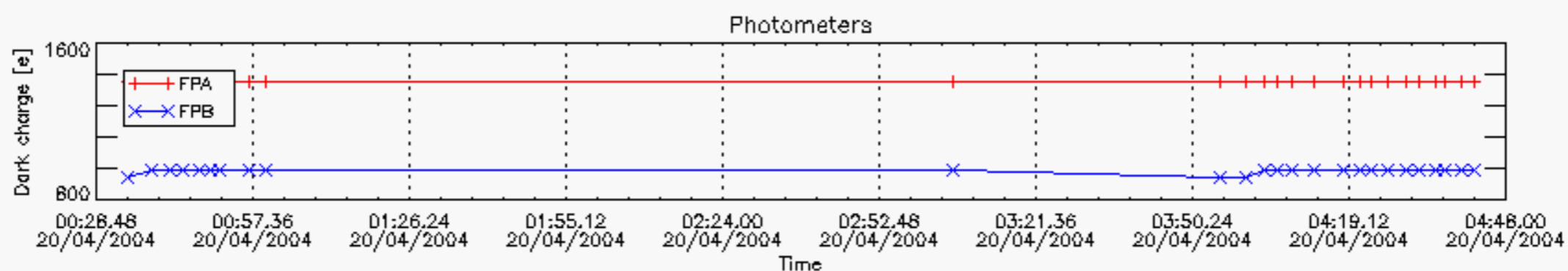
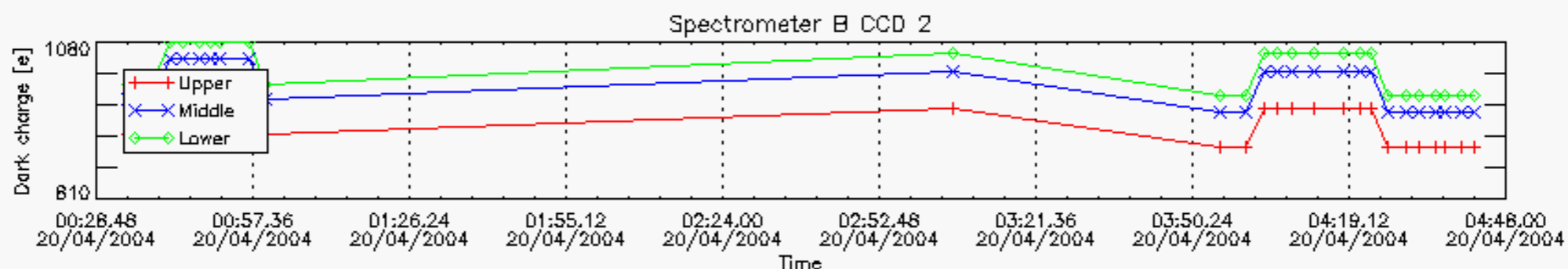
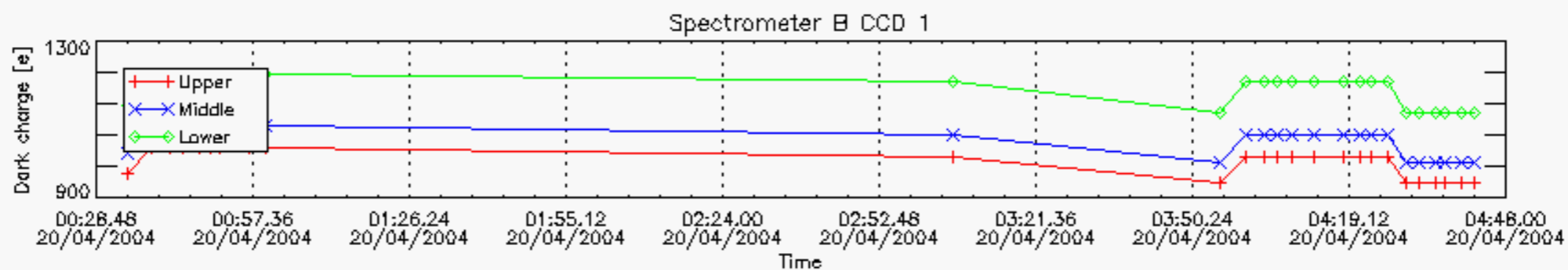
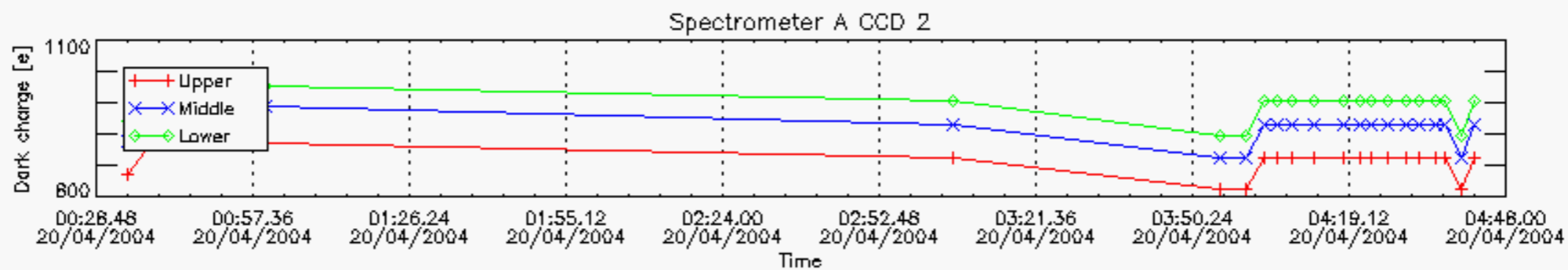
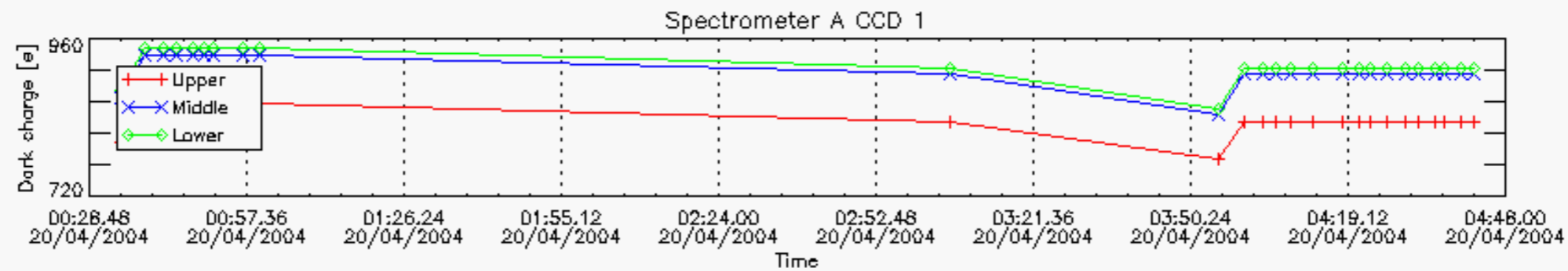
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: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

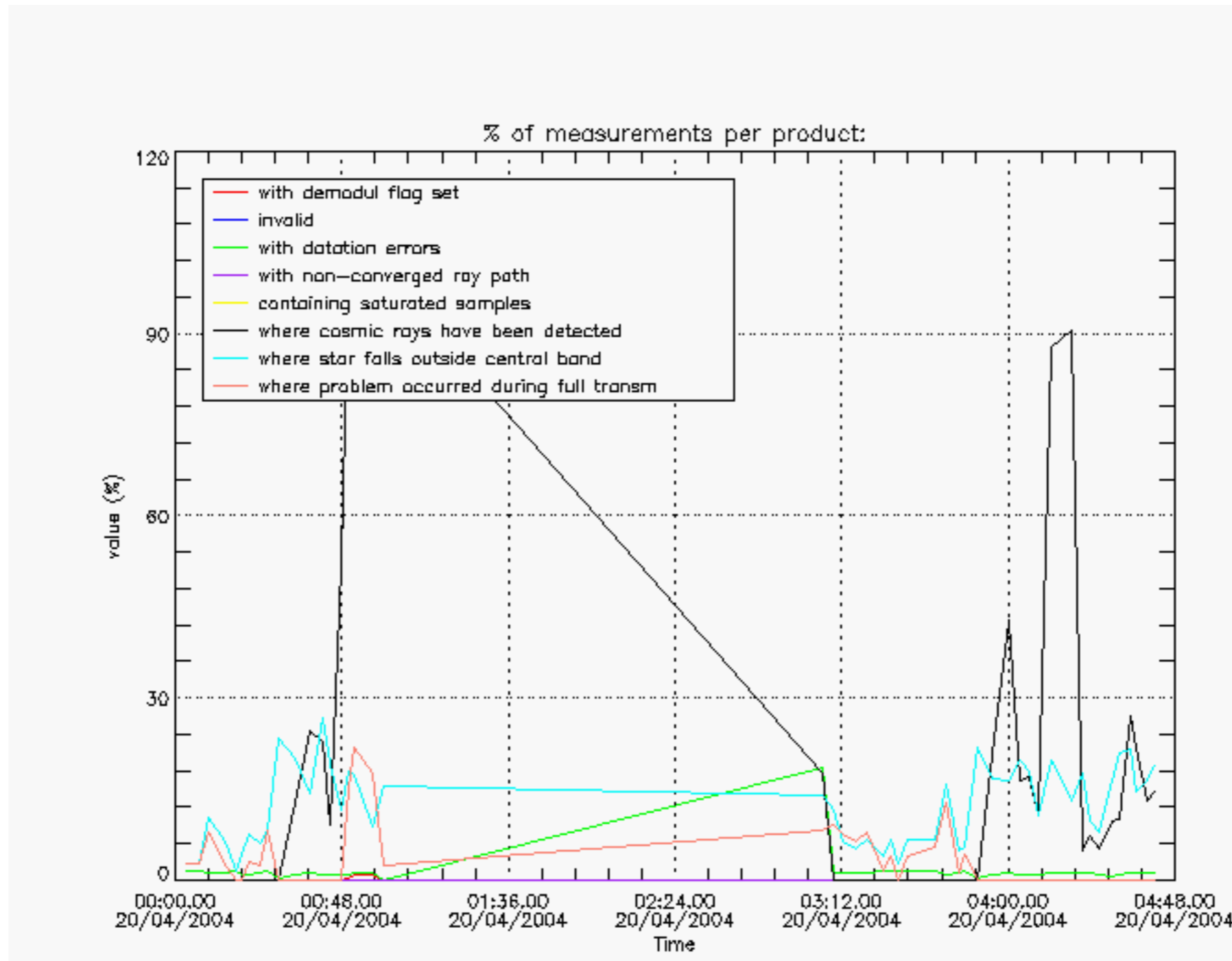
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1461.6	1447.6	1461.3	1447.2
St. deviation:	4.9098	6.0548	6.7374	7.5706
Maximum:	1546.0	1502.0	1524.0	1497.0
Minimum:	1452.0	1428.0	1449.0	1421.0
Number of data:	31700.	31700.	29250.	29250.



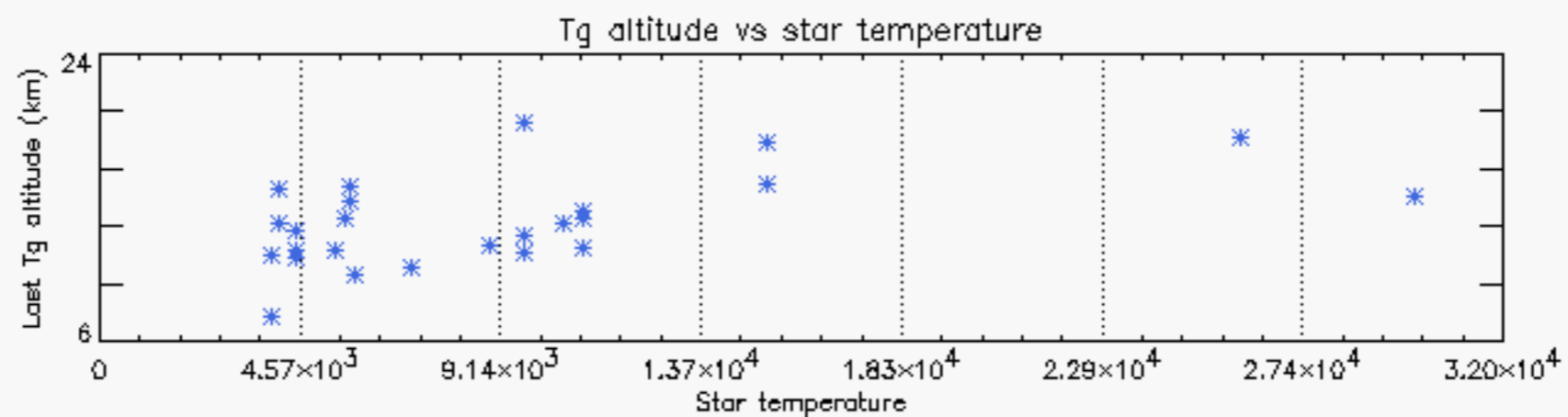
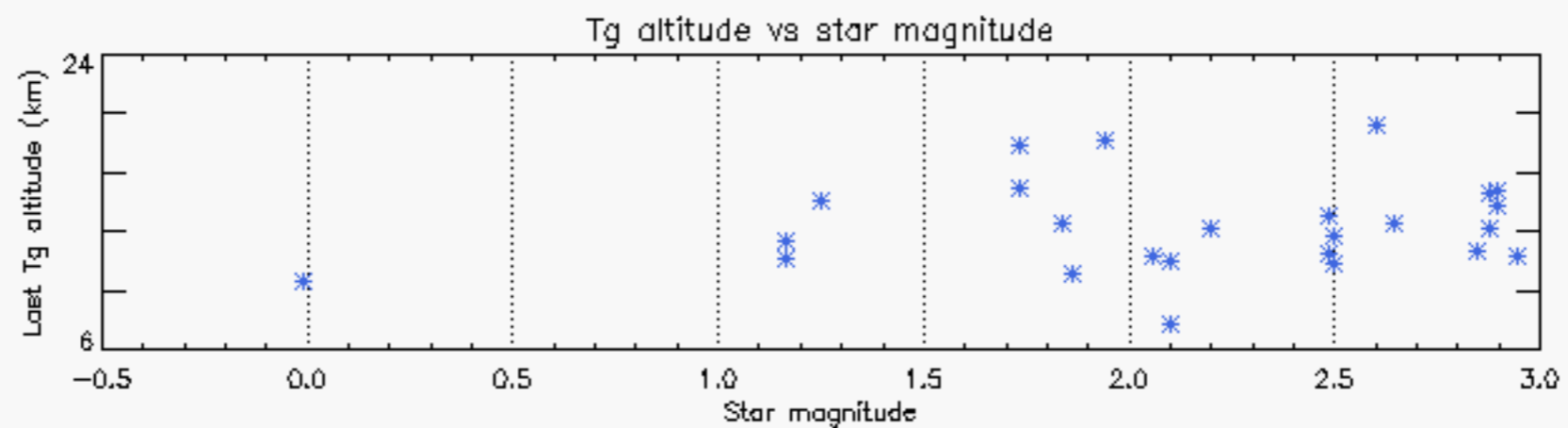
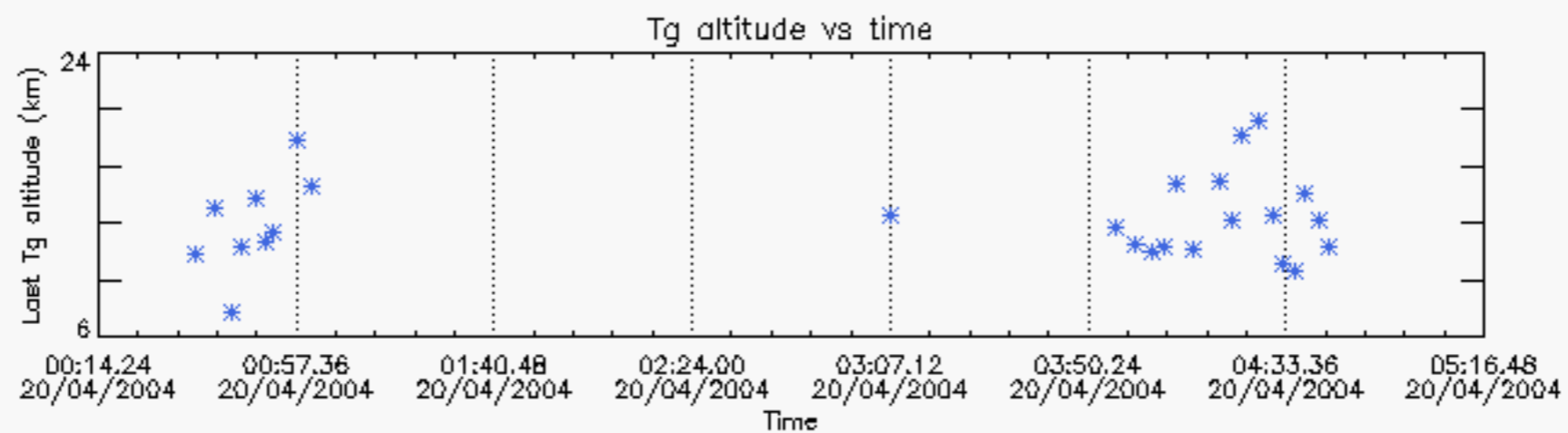




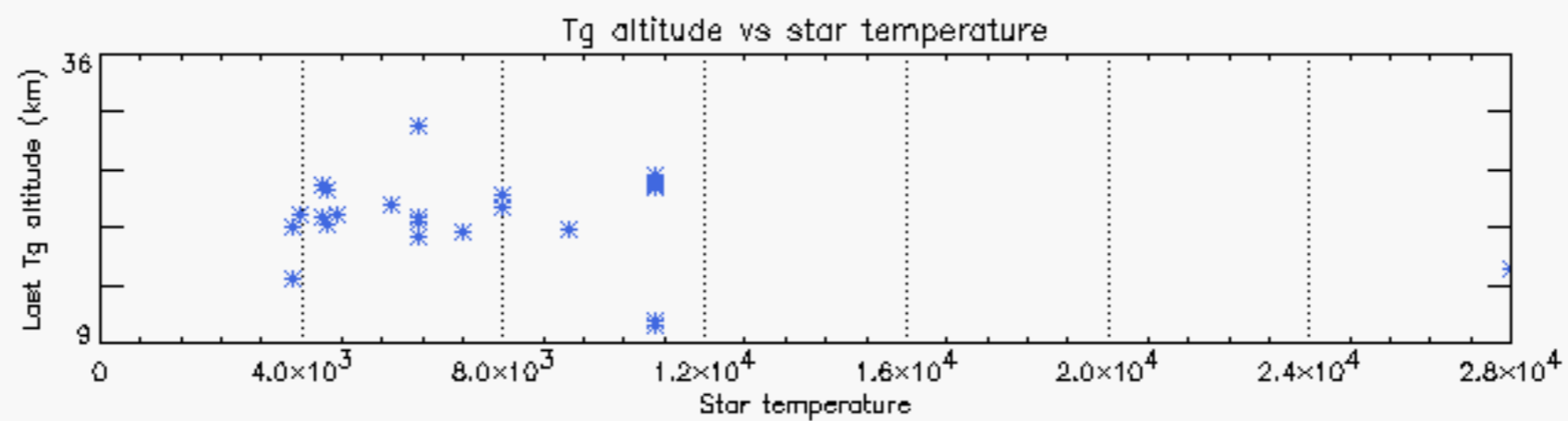
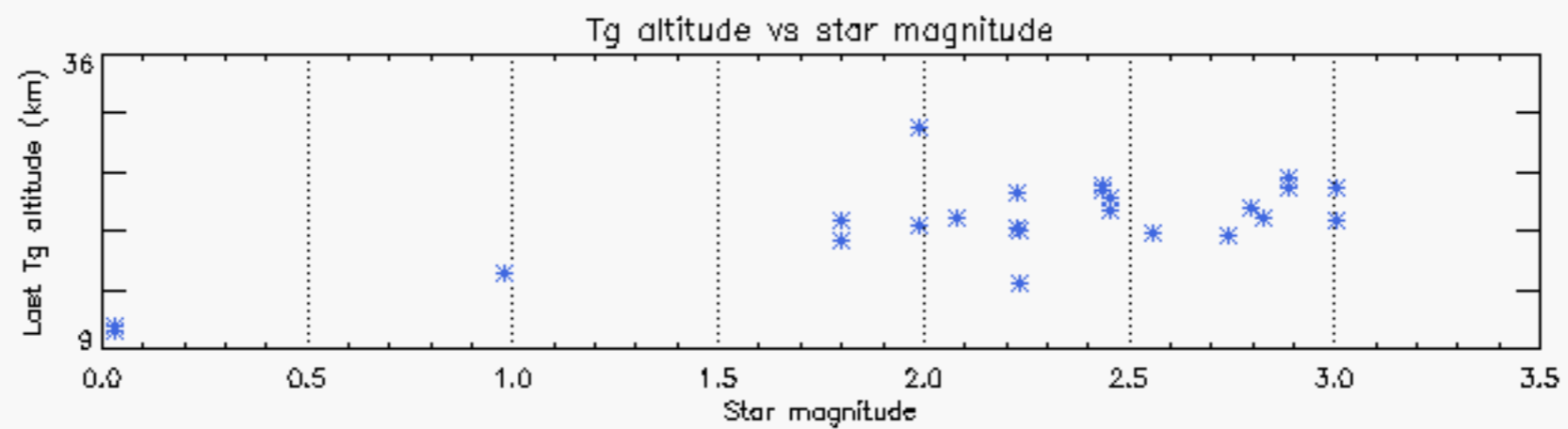
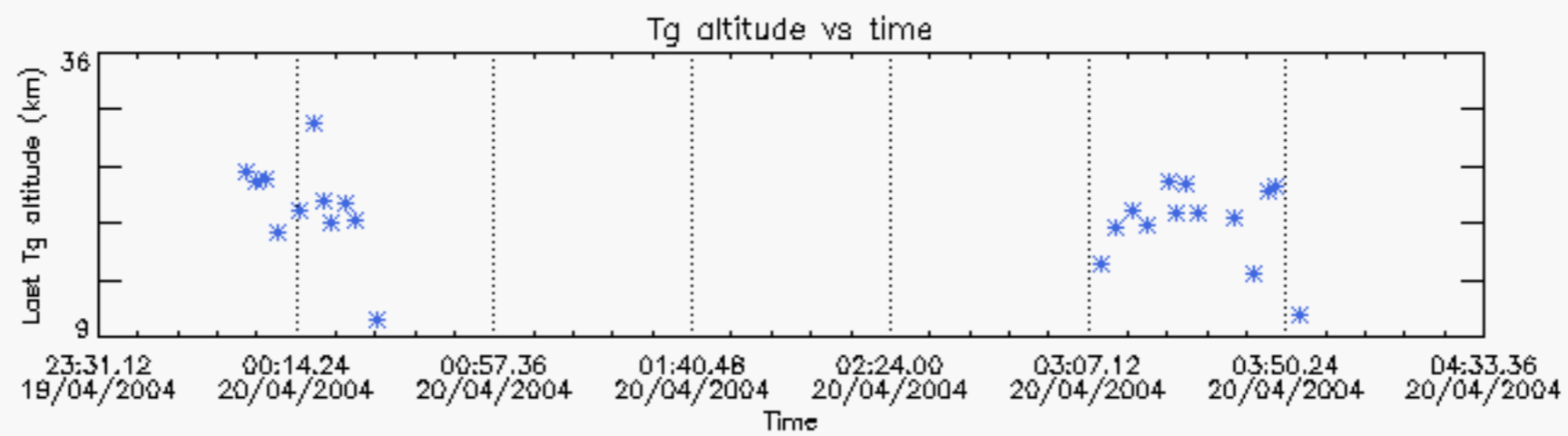




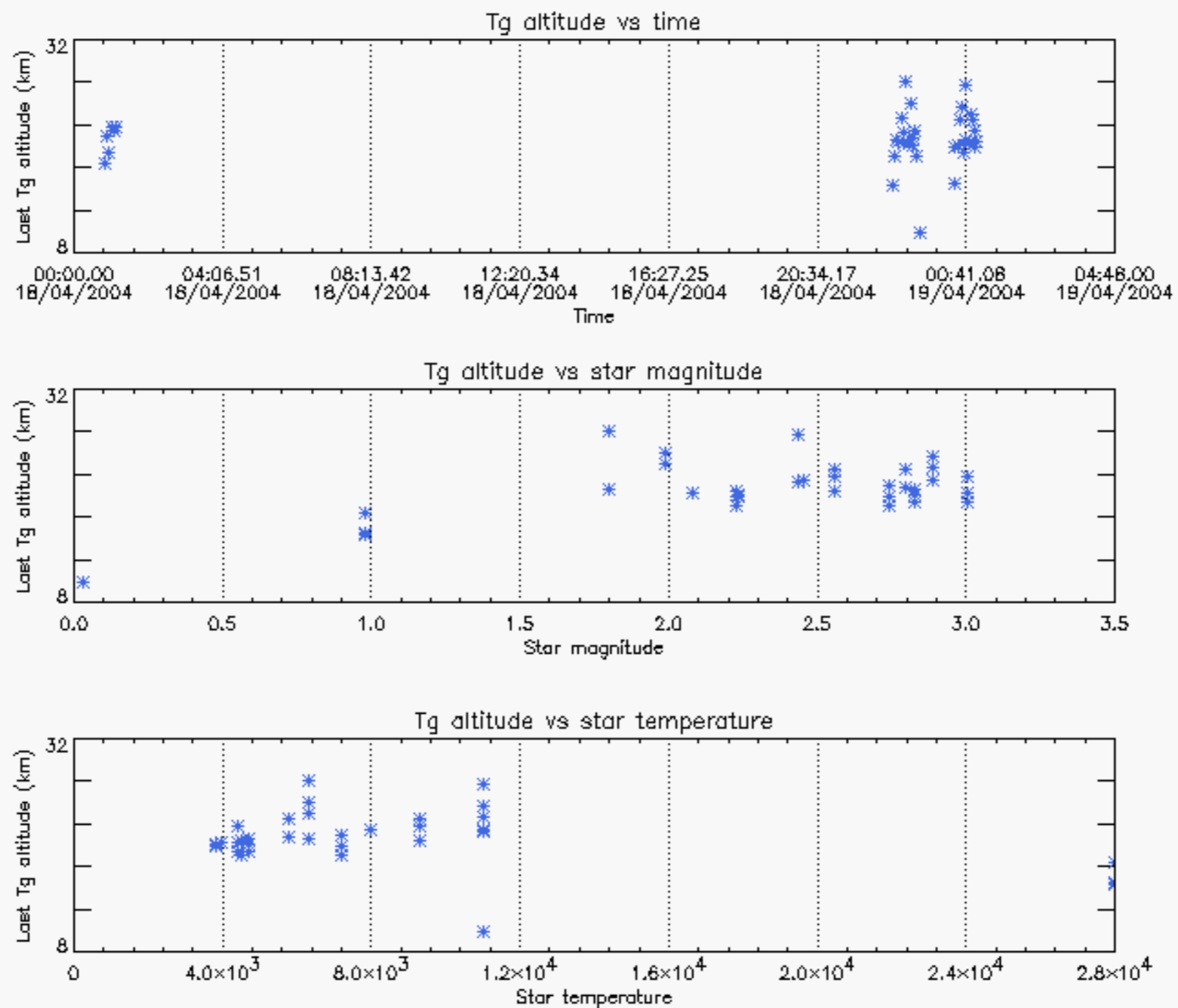
Tangent altitude at which the star is lost

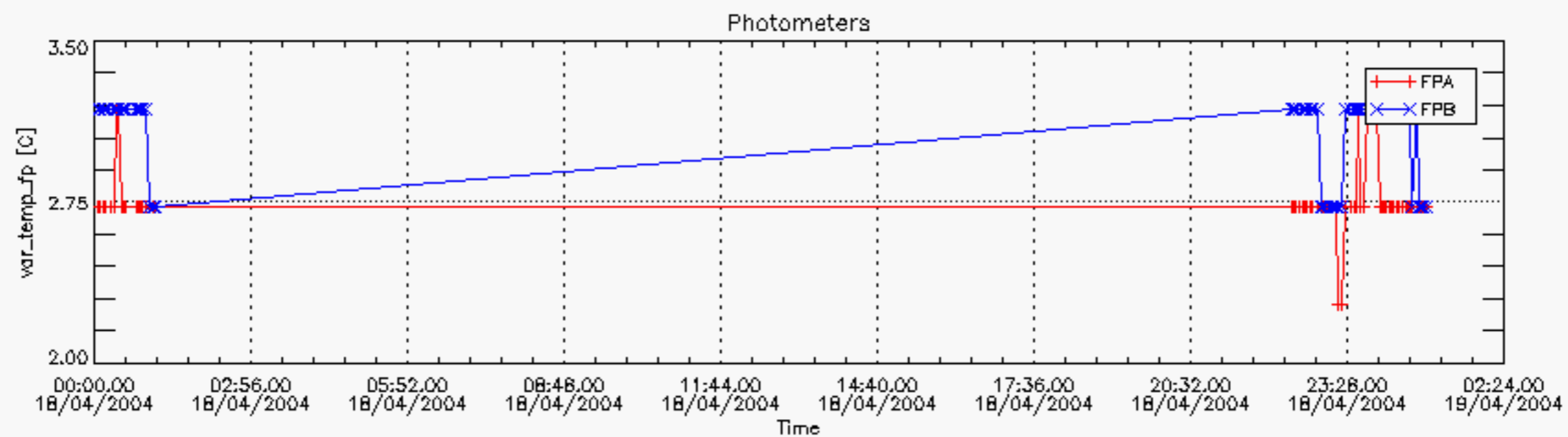
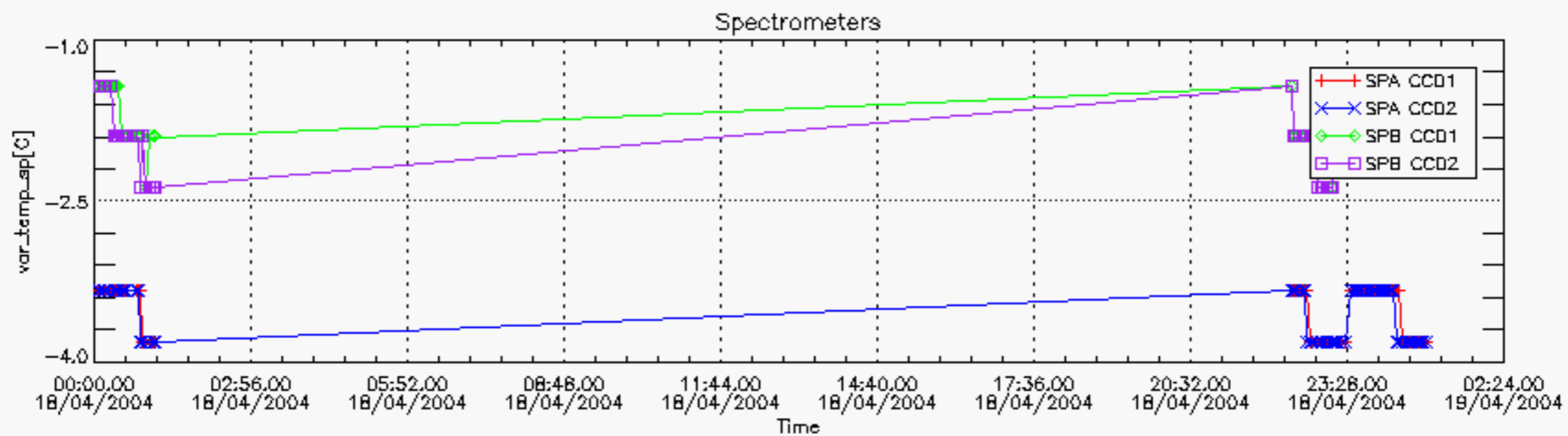


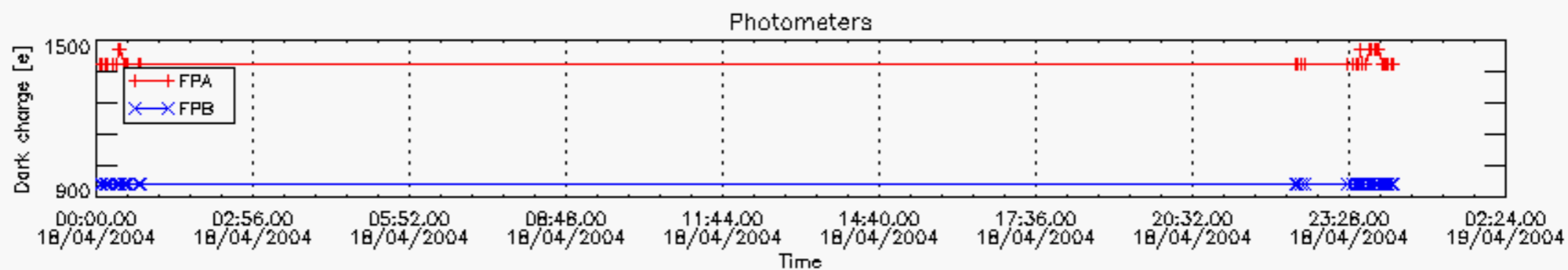
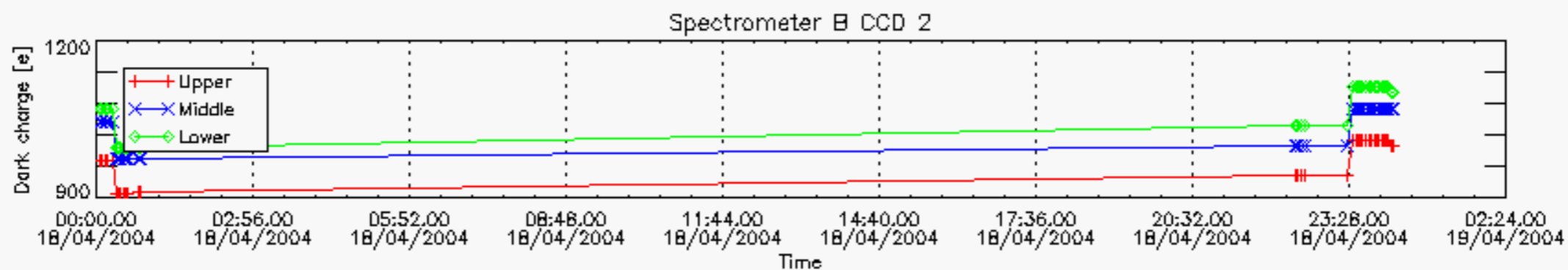
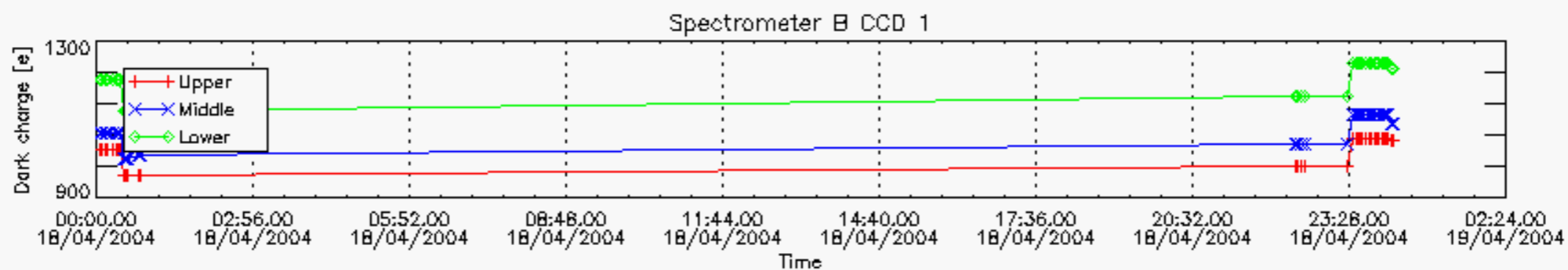
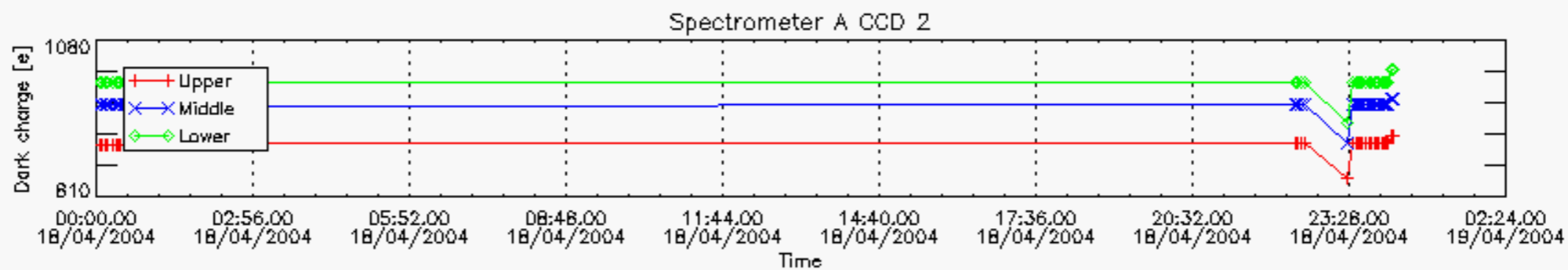
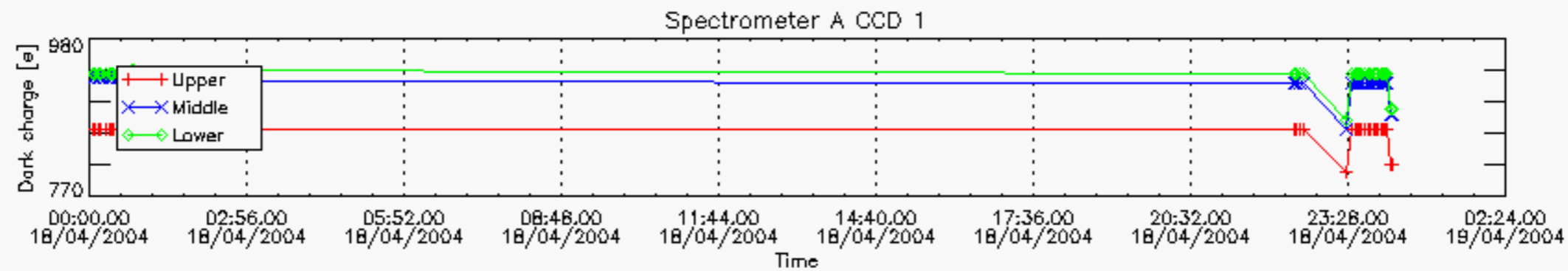
Tangent altitude at which the star is lost

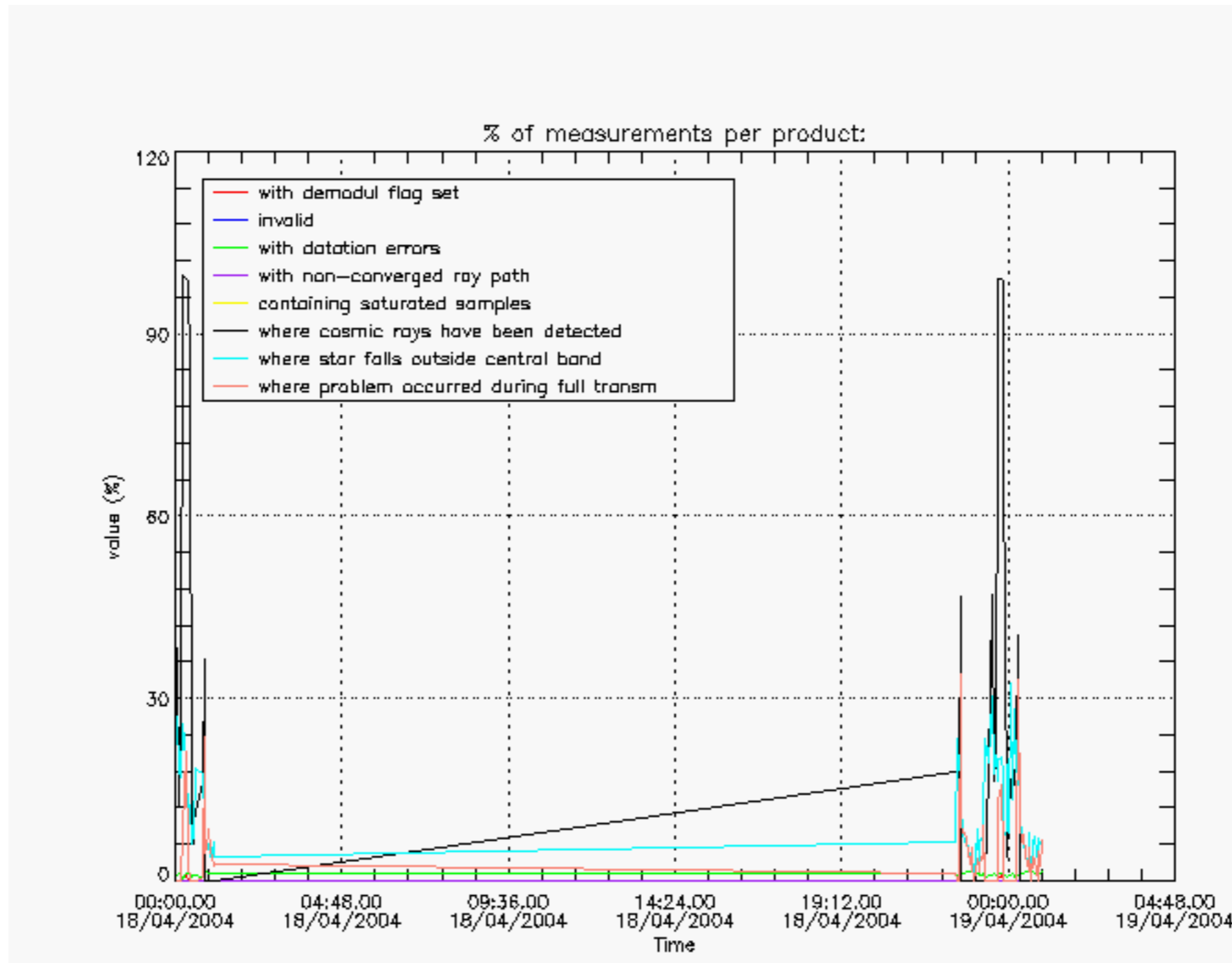


Tangent altitude at which the star is lost

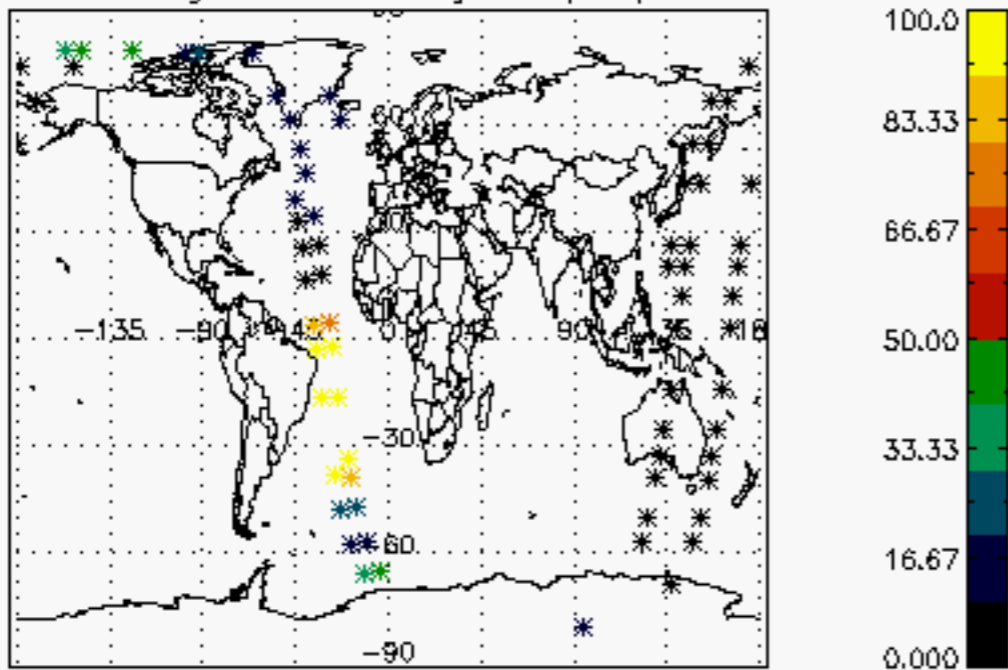




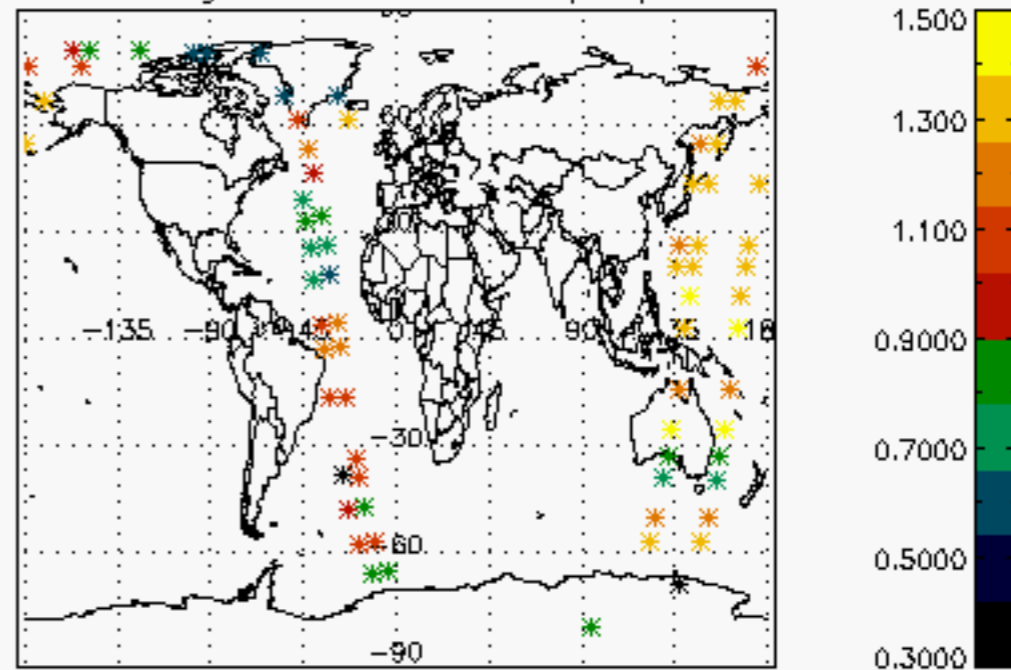




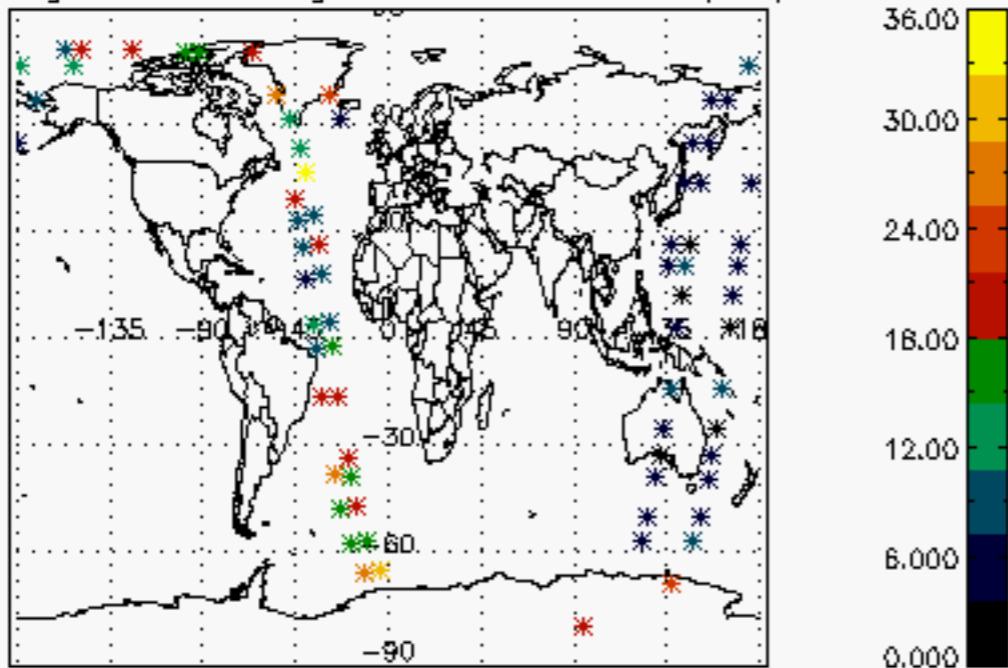
Percentage of cosmic ray hits per profile



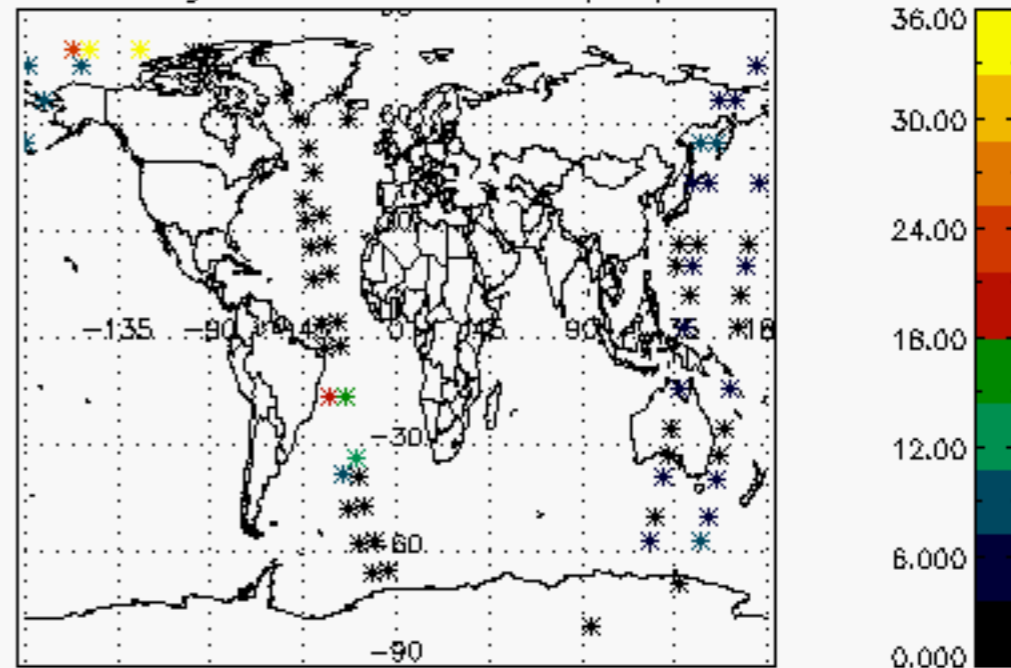
Percentage of datation errors per profile



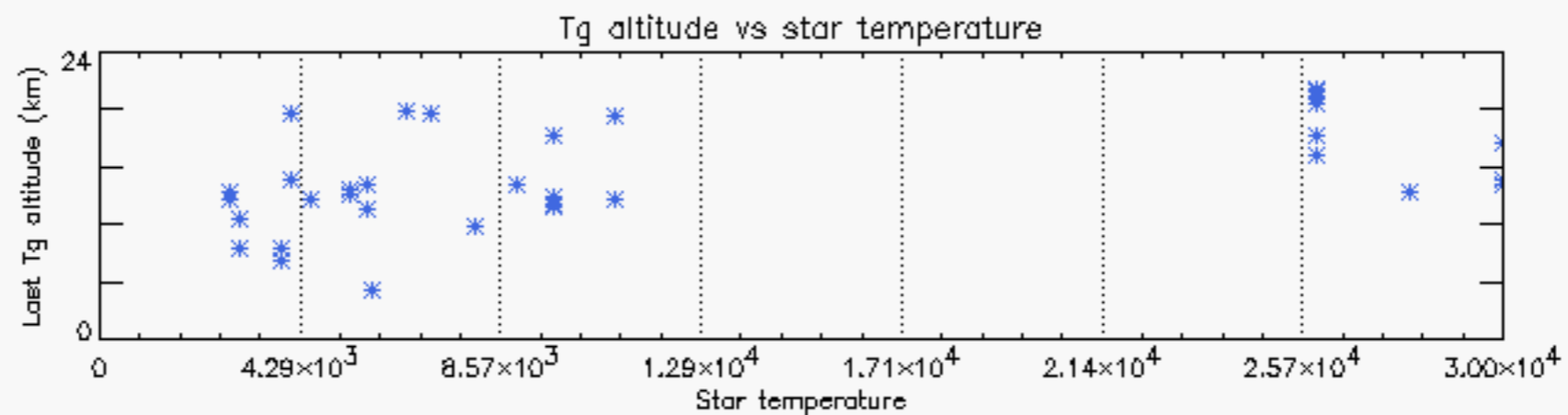
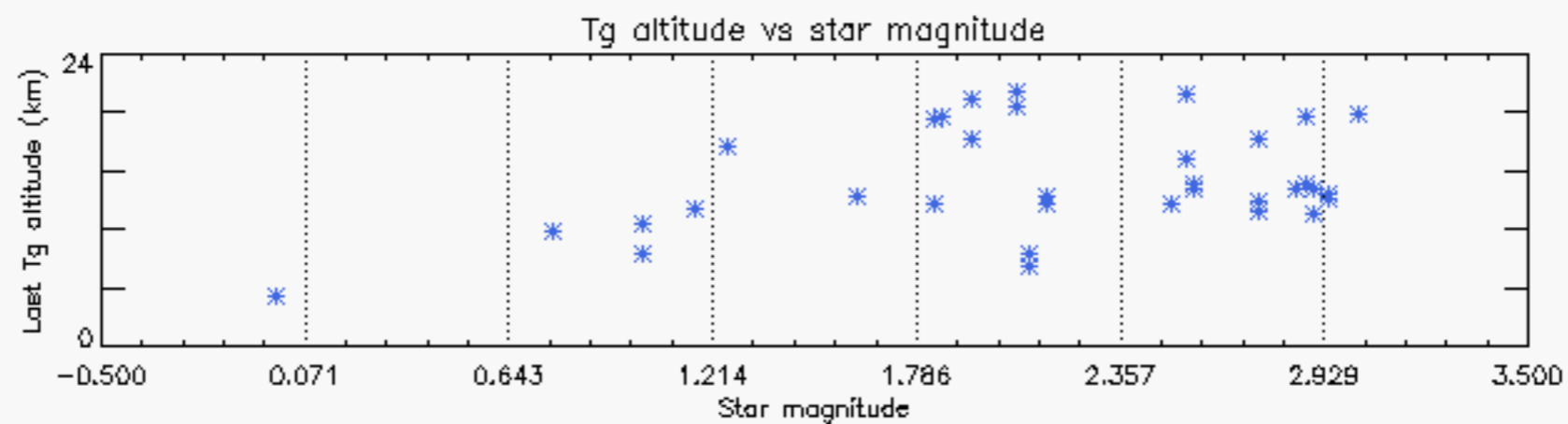
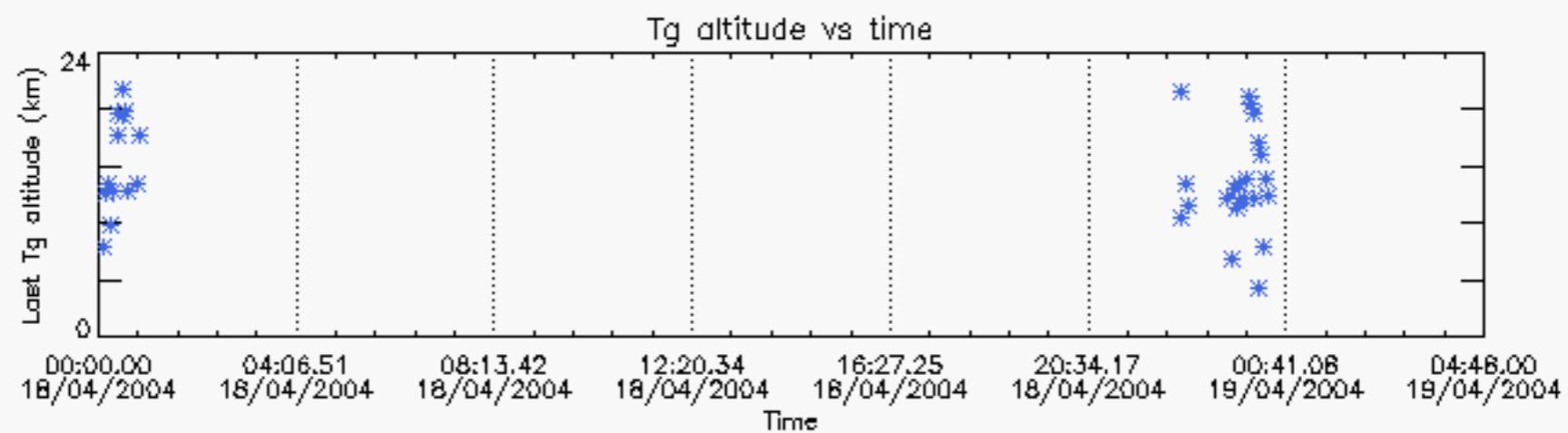
Percentage of star falling outside central band per profile



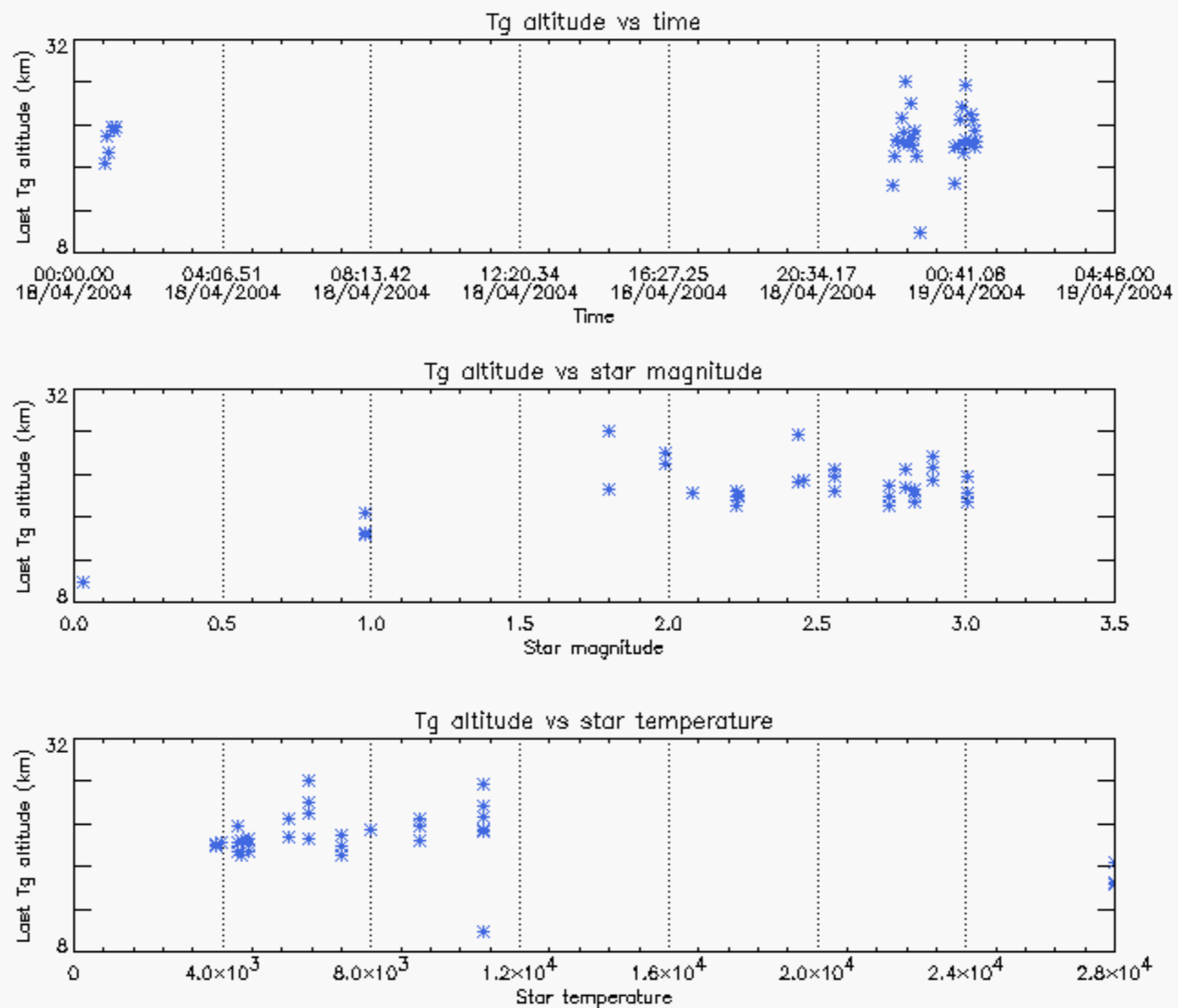
Percentage of saturation errors per profile



Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



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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
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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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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
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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
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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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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
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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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