

GOMOS Daily Report 23-JUL-2007

Level 0 and Level 1 products

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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	24JUL2007 05:38:21
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START) (23JUL2007 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP) (24JUL2007 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	1

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

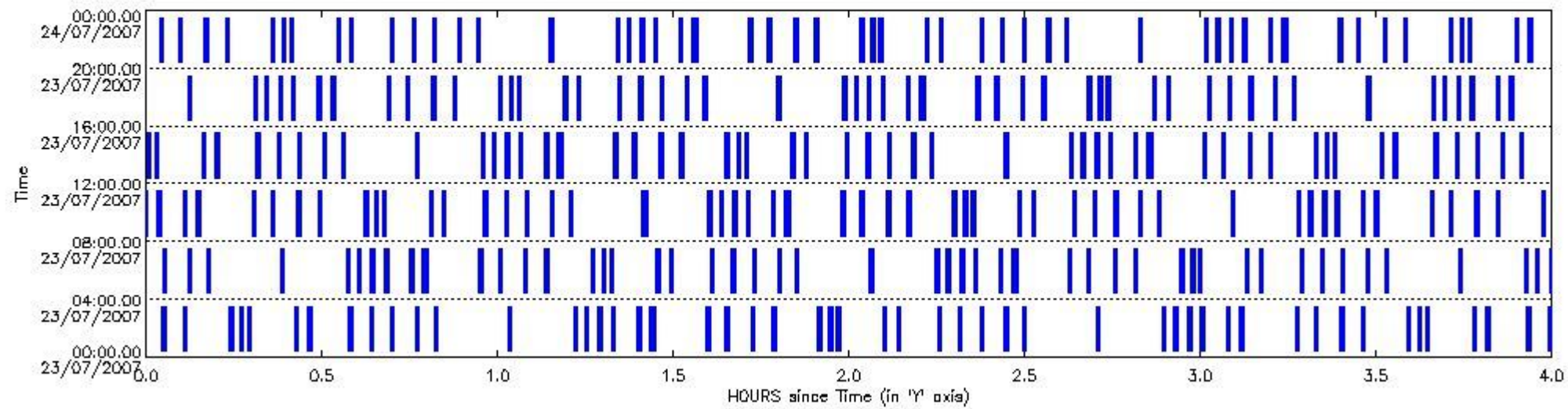
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

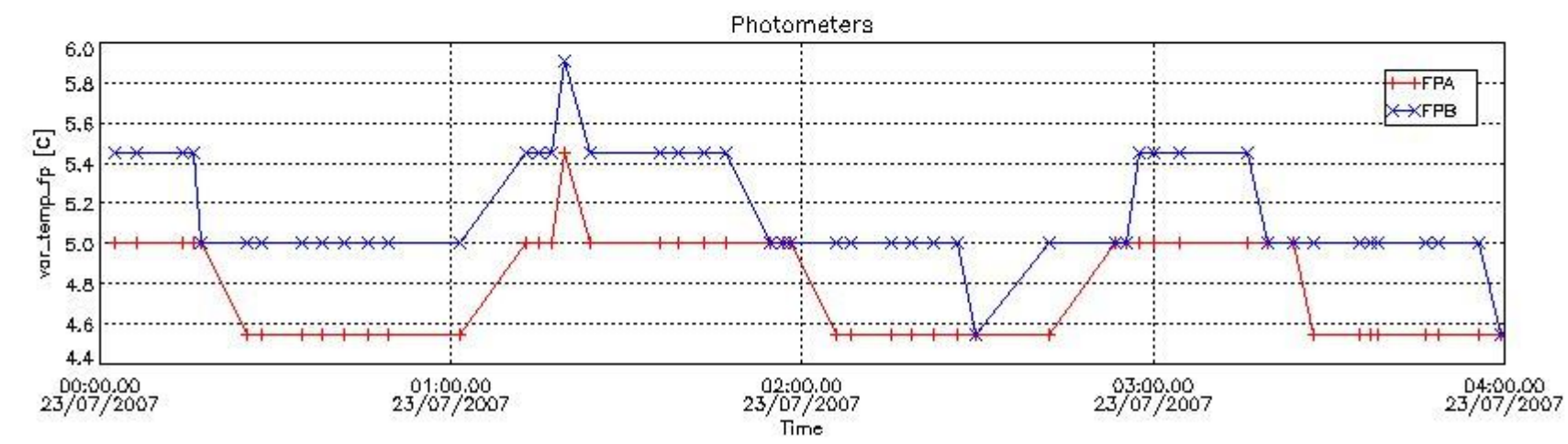
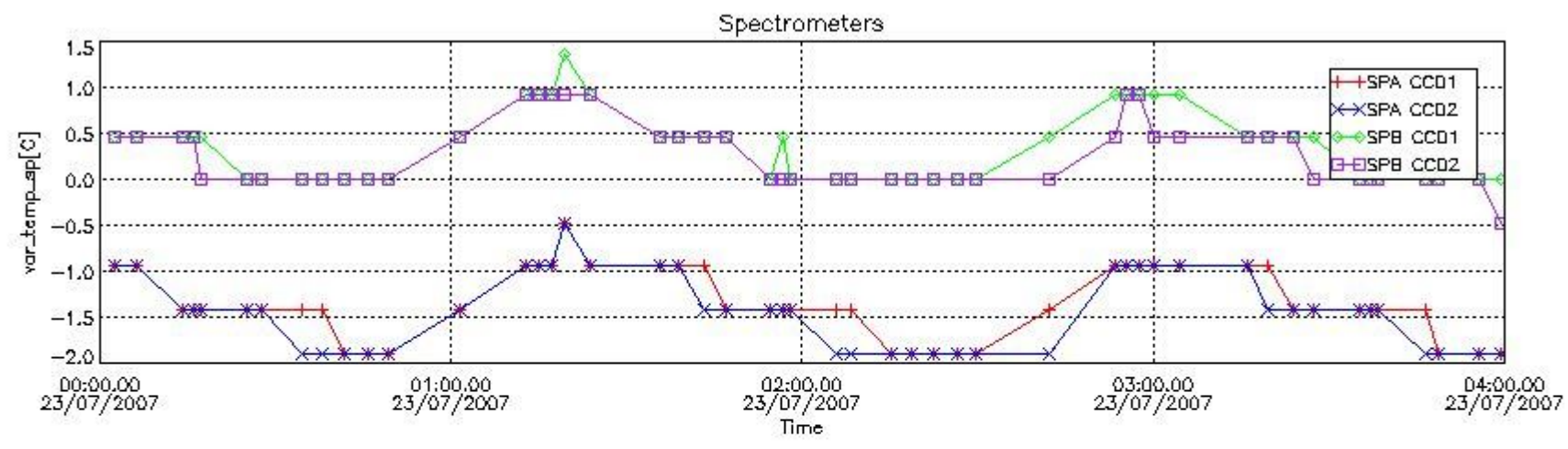
No missing products.

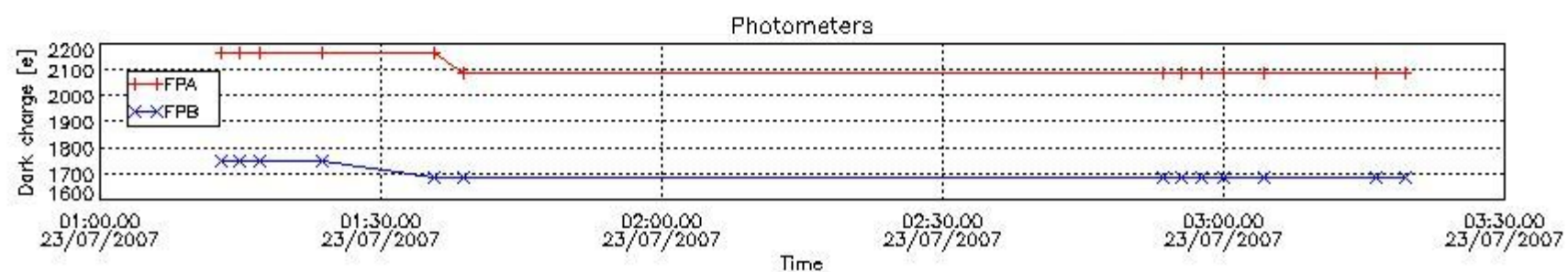
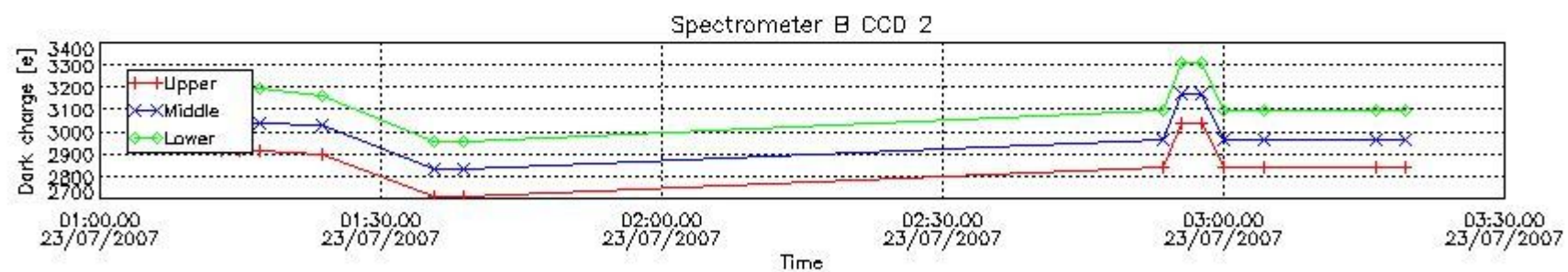
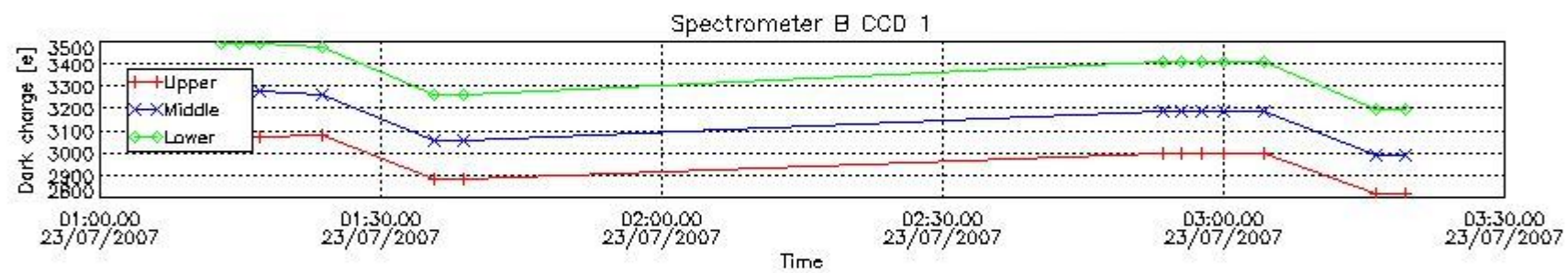
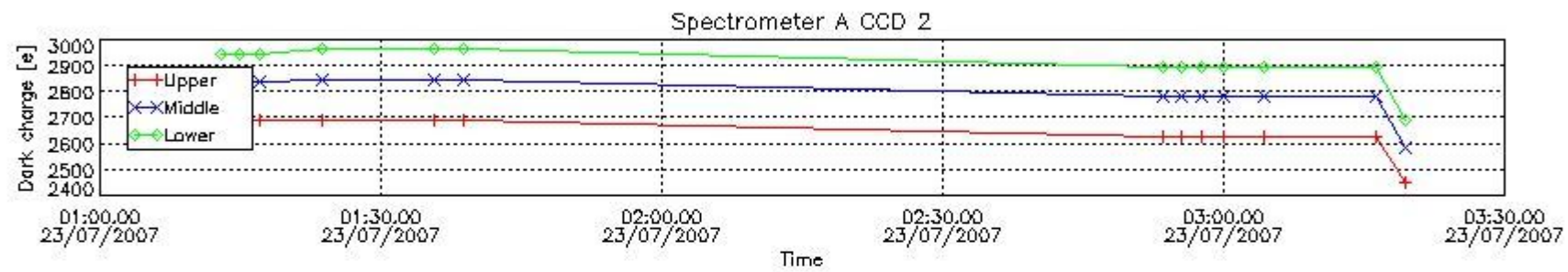
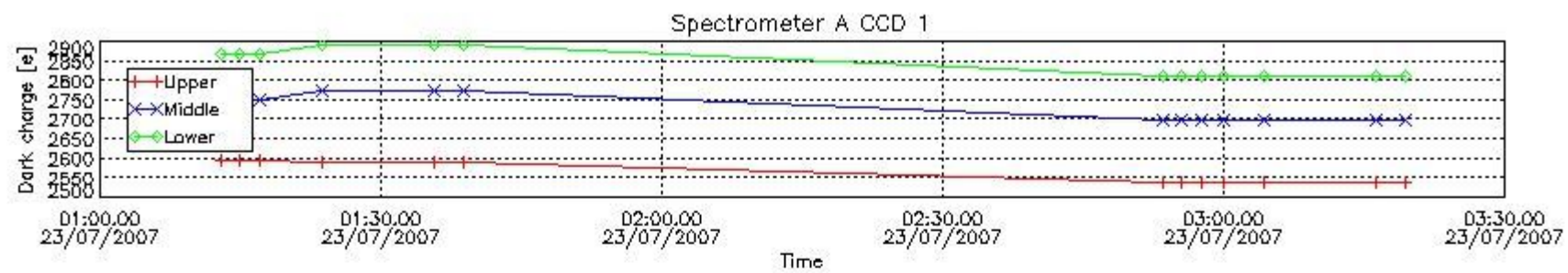
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20070723_000238_000000412060_00088_28198_6414.N1	23-JUL-2007 00:02:38	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	28198	No
2	GOM_TRA_1PNPDE20070723_000614_000000392060_00088_28198_6415.N1	23-JUL-2007 00:06:14	Straylight	39.000	45	Alp Pav	1.9400	26000.	78	28198	No
3	GOM_TRA_1PNPDE20070723_001402_000000512060_00088_28198_6416.N1	23-JUL-2007 00:14:02	Bright	50.500	38	20Eps Sgr	1.8360	11000.	101	28198	No
4	GOM_TRA_1PNPDE20070723_001556_000000392060_00088_28198_6417.N1	23-JUL-2007 00:15:56	Bright	38.500	57	34Sig Sgr	2.0660	26000.	77	28198	No
5	GOM_TRA_1PNPDE20070723_001717_000000382060_00088_28198_6418.N1	23-JUL-2007 00:17:17	Bright	37.500	155	41Pi Sgr	2.9000	6600.0	75	28198	No
6	GOM_TRA_1PNPDE20070723_002515_000000372060_00088_28198_6419.N1	23-JUL-2007 00:25:15	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	28198	No
7	GOM_TRA_1PNPDE20070723_002733_000000392060_00088_28198_6420.N1	23-JUL-2007 00:27:33	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	28198	No
8	GOM_TRA_1PNPDE20070723_003433_000000362060_00088_28198_6421.N1	23-JUL-2007 00:34:33	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	28198	No
9	GOM_TRA_1PNPDE20070723_003806_000000372060_00088_28198_6422.N1	23-JUL-2007 00:38:06	Bright	36.500	69	33Gam Dra	2.2310	3800.0	73	28198	No
10	GOM_TRA_1PNPDE20070723_004140_000000372060_00088_28198_6423.N1	23-JUL-2007 00:41:40	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	28198	No
11	GOM_TRA_1PNPDE20070723_004554_000000382060_00088_28198_6424.N1	23-JUL-2007 00:45:54	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	28198	No
12	GOM_TRA_1PNPDE20070723_004905_000000332060_00088_28198_6425.N1	23-JUL-2007 00:49:05	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	28198	No

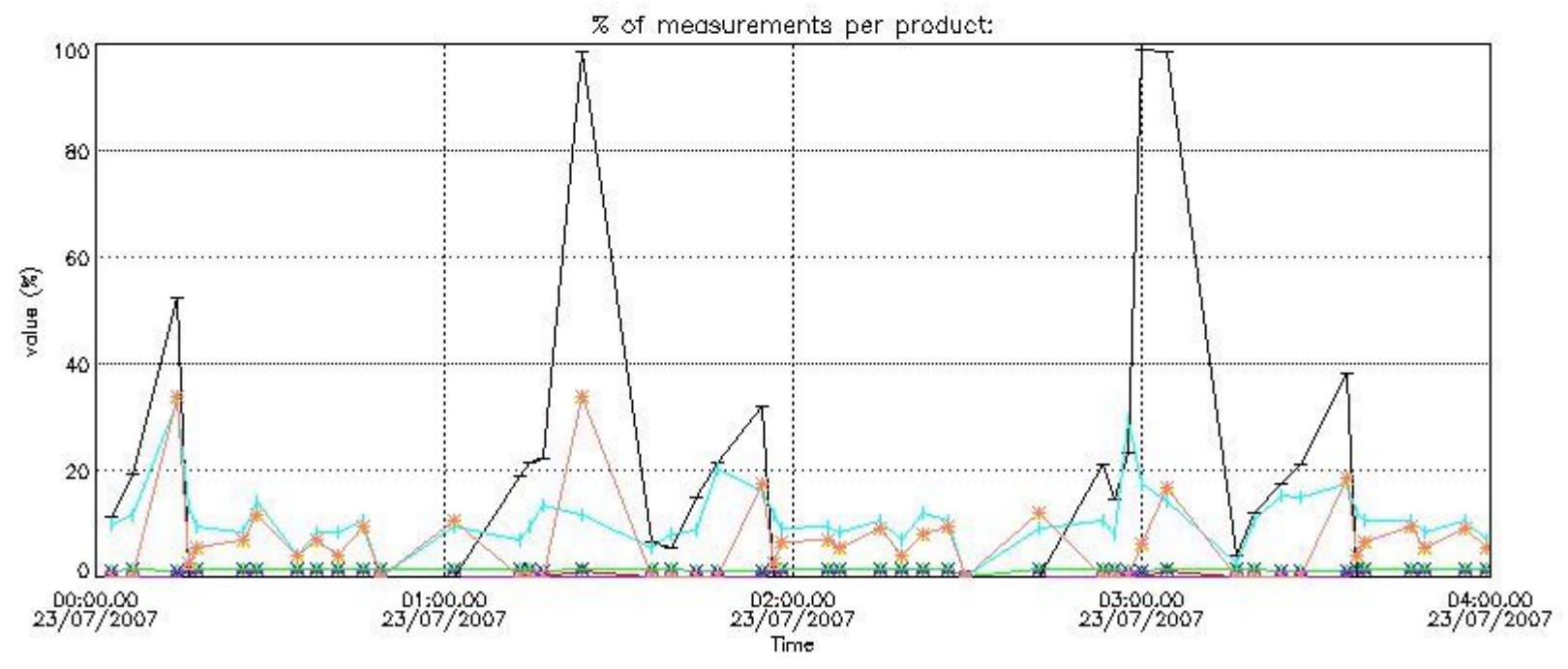
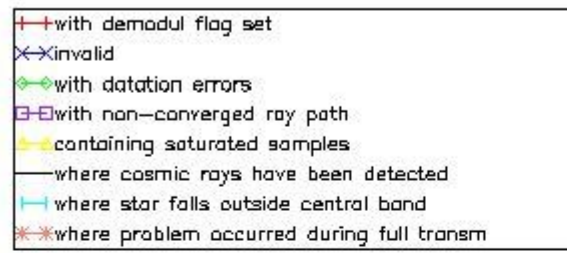
13	GOM_TRA_1PNPDE20070723_010138_000000382060_00088_28198_6426.N1	23-JUL-2007 01:01:38	Bright	37.500	6	13Alp Aur	0.080000	3400.0	75	28198	No
14	GOM_TRA_1PNPDE20070723_011253_000000372060_00088_28198_6427.N1	23-JUL-2007 01:12:53	Dark	37.000	27	24Gam Ori	1.6360	26000.	74	28198	No
15	GOM_TRA_1PNPDE20070723_011449_000000382060_00088_28198_6428.N1	23-JUL-2007 01:14:49	Dark	37.500	30	46Eps Ori	1.6940	30000.	75	28198	No
16	GOM_TRA_1PNPDE20070723_011705_000000412060_00088_28198_6429.N1	23-JUL-2007 01:17:05	Dark	40.500	7	19Bet Ori	0.10000	14000.	81	28198	No
17	GOM_TRA_1PNPDE20070723_011926_000000402060_00088_28198_6540.N1	23-JUL-2007 01:19:26	Dark	39.500	101	11Alp Lep	2.5820	7000.0	79	28198	Yes
18	GOM_TRA_1PNPDE20070723_012347_000000392060_00088_28198_6541.N1	23-JUL-2007 01:23:47	Dark	38.500	108	Alp Col	2.6520	15200.	77	28198	No
19	GOM_TRA_1PNPDE20070723_013535_000000382060_00089_28199_6542.N1	23-JUL-2007 01:35:35	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	28199	No
20	GOM_TRA_1PNPDE20070723_013850_000000372060_00089_28199_6543.N1	23-JUL-2007 01:38:50	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	28199	No
21	GOM_TRA_1PNPDE20070723_014314_000000402060_00089_28199_6544.N1	23-JUL-2007 01:43:14	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	28199	No
22	GOM_TRA_1PNPDE20070723_014651_000000442060_00089_28199_6545.N1	23-JUL-2007 01:46:51	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	28199	No
23	GOM_TRA_1PNPDE20070723_015438_000000412060_00089_28199_6546.N1	23-JUL-2007 01:54:38	Bright	40.500	38	20Eps Sgr	1.8360	11000.	81	28199	No
24	GOM_TRA_1PNPDE20070723_015633_000000392060_00089_28199_6547.N1	23-JUL-2007 01:56:33	Bright	38.500	57	34Sig Sgr	2.0660	26000.	77	28199	No
25	GOM_TRA_1PNPDE20070723_015753_000000382060_00089_28199_6548.N1	23-JUL-2007 01:57:53	Bright	38.000	155	41Pi Sgr	2.9000	6600.0	76	28199	No
26	GOM_TRA_1PNPDE20070723_020551_000000372060_00089_28199_6549.N1	23-JUL-2007 02:05:51	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	28199	No
27	GOM_TRA_1PNPDE20070723_020809_000000372060_00089_28199_6550.N1	23-JUL-2007 02:08:09	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	28199	No
28	GOM_TRA_1PNPDE20070723_021509_000000392060_00089_28199_6551.N1	23-JUL-2007 02:15:09	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	28199	No
29	GOM_TRA_1PNPDE20070723_021842_000000362060_00089_28199_6552.N1	23-JUL-2007 02:18:42	Bright	36.000	69	33Gam Dra	2.2310	3800.0	72	28199	No
30	GOM_TRA_1PNPDE20070723_022216_000000382060_00089_28199_6553.N1	23-JUL-2007 02:22:16	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	28199	No
31	GOM_TRA_1PNPDE20070723_022630_000000382060_00089_28199_6554.N1	23-JUL-2007 02:26:30	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	28199	No
32	GOM_TRA_1PNPDE20070723_022941_000000332060_00089_28199_6555.N1	23-JUL-2007 02:29:41	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	28199	No
33	GOM_TRA_1PNPDE20070723_024214_000000382060_00089_28199_6697.N1	23-JUL-2007 02:42:14	Bright	38.000	6	13Alp Aur	0.080000	3400.0	76	28199	No
34	GOM_TRA_1PNPDE20070723_025329_000000382060_00089_28199_6698.N1	23-JUL-2007 02:53:29	Dark	38.000	27	24Gam Ori	1.6360	26000.	76	28199	No
35	GOM_TRA_1PNPDE20070723_025525_000000382060_00089_28199_6699.N1	23-JUL-2007 02:55:25	Dark	37.500	30	46Eps Ori	1.6940	30000.	75	28199	No
36	GOM_TRA_1PNPDE20070723_025742_000000502060_00089_28199_6700.N1	23-JUL-2007 02:57:42	Dark	49.500	7	19Bet Ori	0.10000	14000.	99	28199	No
37	GOM_TRA_1PNPDE20070723_030002_000000412060_00089_28199_6701.N1	23-JUL-2007 03:00:02	Dark	40.500	101	11Alp Lep	2.5820	7000.0	81	28199	No
38	GOM_TRA_1PNPDE20070723_030423_000000392060_00089_28199_6702.N1	23-JUL-2007 03:04:23	Dark	38.500	108	Alp Col	2.6520	15200.	77	28199	No
39	GOM_TRA_1PNPDE20070723_031611_000000372060_00090_28200_6703.N1	23-JUL-2007 03:16:11	Dark	37.000	143	Alp Hyi	2.8570	7200.0	74	28200	No
40	GOM_TRA_1PNPDE20070723_031926_000000382060_00090_28200_6704.N1	23-JUL-2007 03:19:26	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	28200	No
41	GOM_TRA_1PNPDE20070723_032351_000000432060_00090_28200_6705.N1	23-JUL-2007 03:23:51	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	28200	No
42	GOM_TRA_1PNPDE20070723_032727_000000412060_00090_28200_6706.N1	23-JUL-2007 03:27:27	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	28200	No
43	GOM_TRA_1PNPDE20070723_033514_000000412060_00090_28200_6707.N1	23-JUL-2007 03:35:14	Bright	40.500	38	20Eps Sgr	1.8360	11000.	81	28200	No
44	GOM_TRA_1PNPDE20070723_033709_000000382060_00090_28200_6708.N1	23-JUL-2007 03:37:09	Bright	38.000	57	34Sig Sgr	2.0660	26000.	76	28200	No
45	GOM_TRA_1PNPDE20070723_033829_000000382060_00090_28200_6709.N1	23-JUL-2007 03:38:29	Bright	38.000	155	41Pi Sgr	2.9000	6600.0	76	28200	No
46	GOM_TRA_1PNPDE20070723_034627_000000382060_00090_28200_6710.N1	23-JUL-2007 03:46:27	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	28200	No
47	GOM_TRA_1PNPDE20070723_034846_000000362060_00090_28200_6711.N1	23-JUL-2007 03:48:46	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	28200	No
48	GOM_TRA_1PNPDE20070723_035545_000000392060_00090_28200_6712.N1	23-JUL-2007 03:55:45	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	28200	No
49	GOM_TRA_1PNPDE20070723_035918_000000362060_00090_28200_6713.N1	23-JUL-2007 03:59:18	Bright	36.000	69	33Gam Dra	2.2310	3800.0	72	28200	No

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

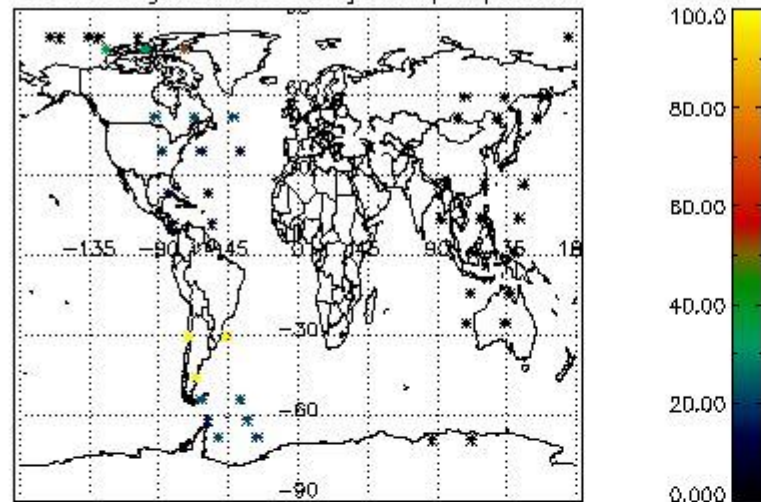




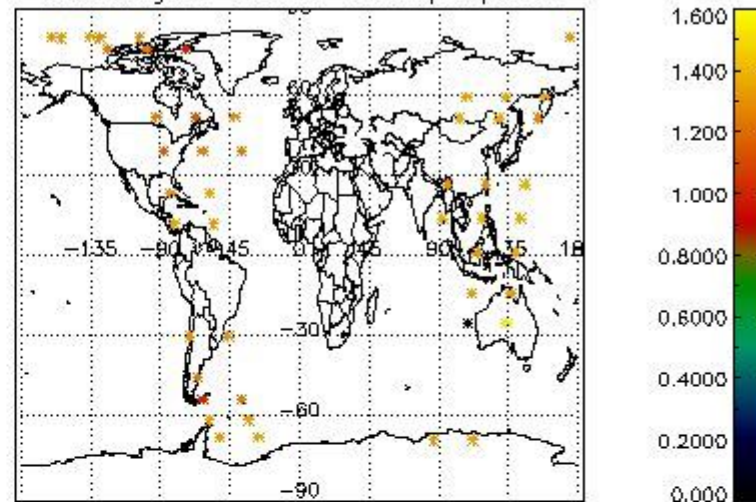
At least one measurement with demodulation flag set:	10.4167 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %



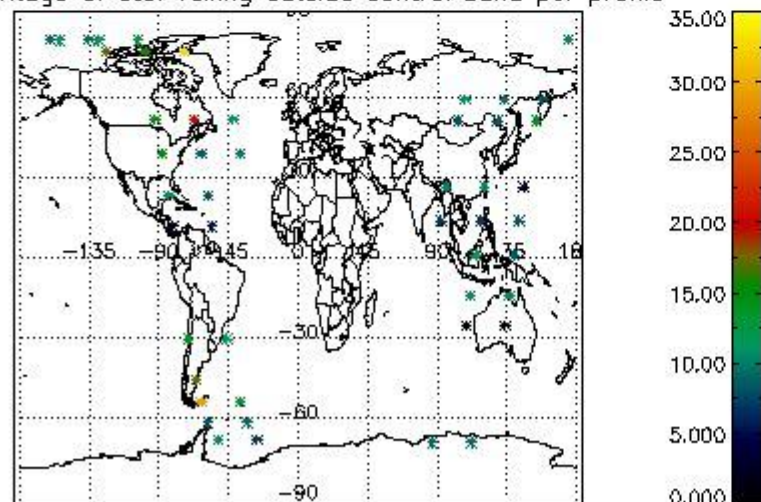
Percentage of cosmic ray hits per profile



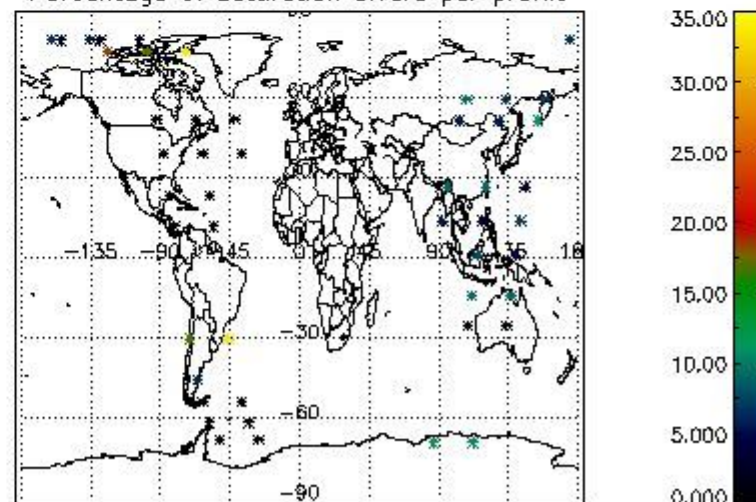
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

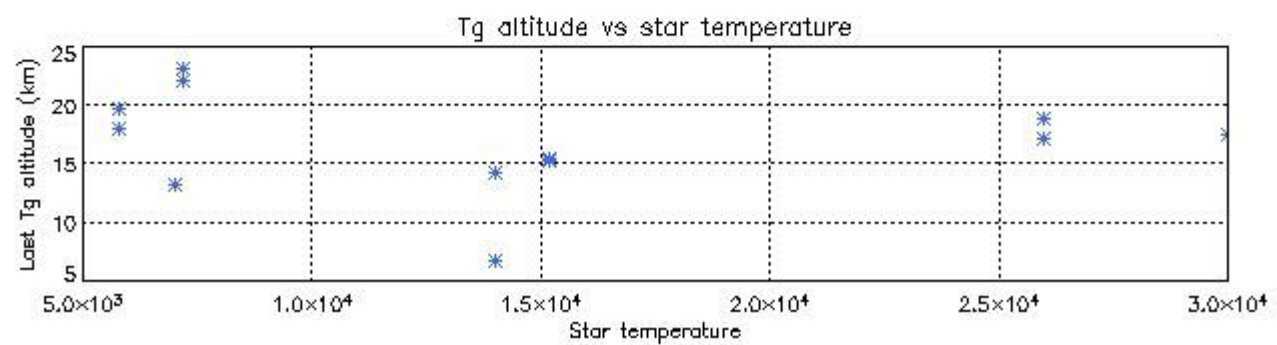
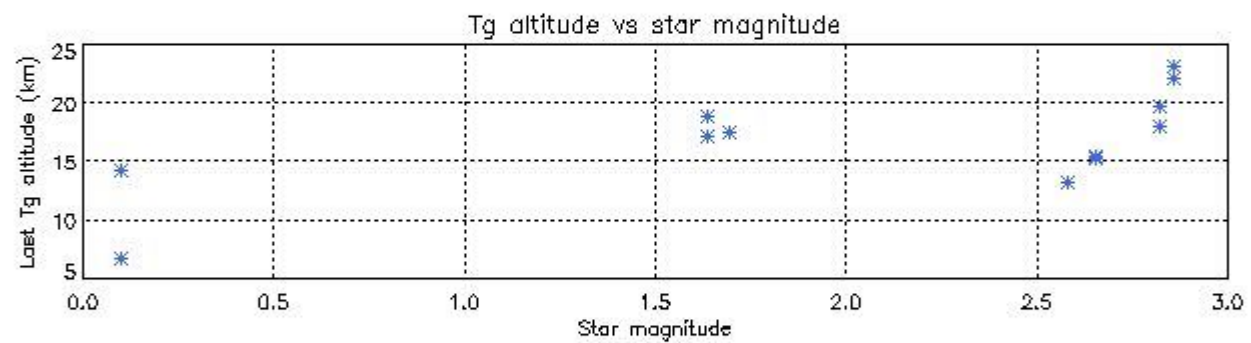
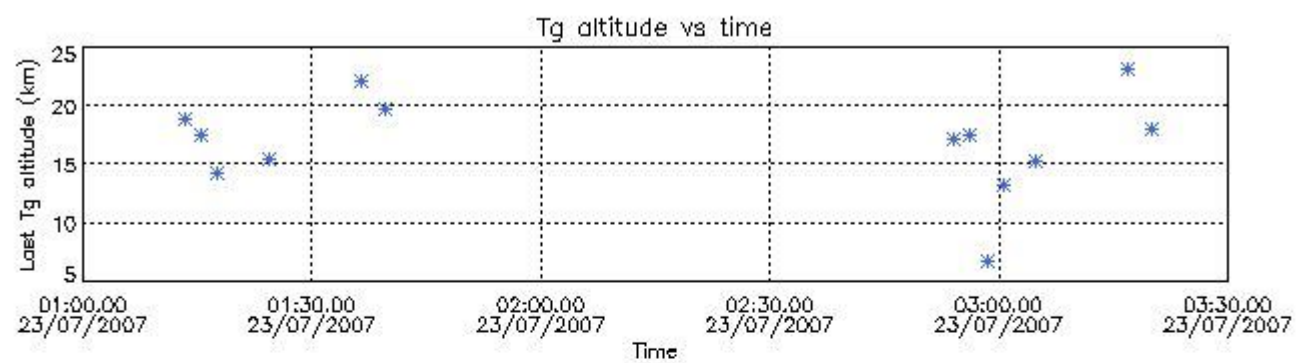


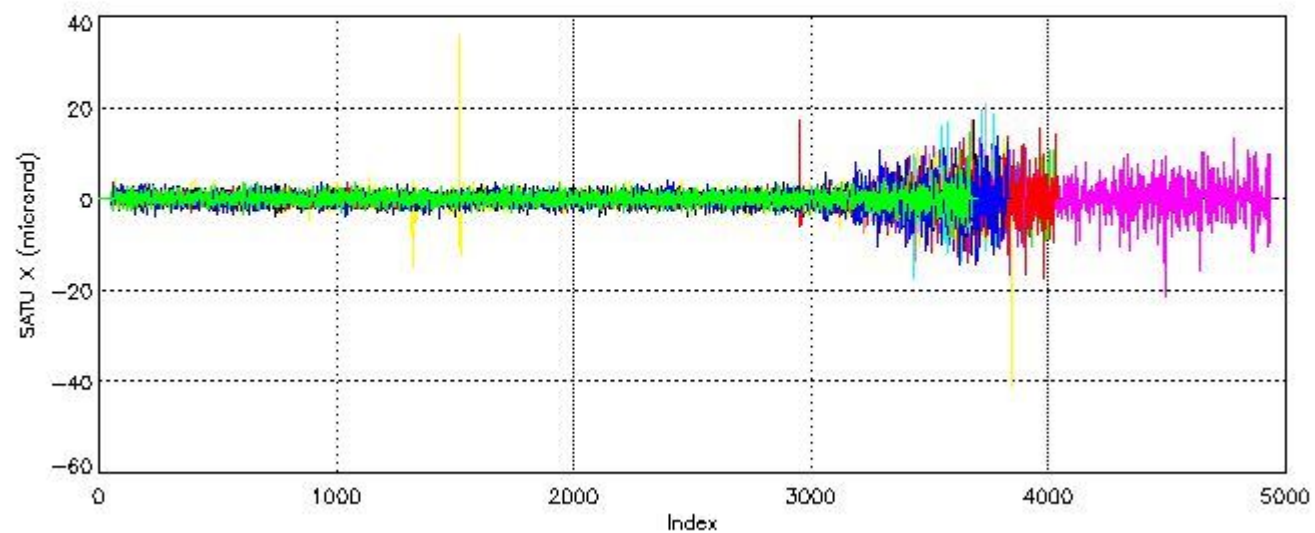
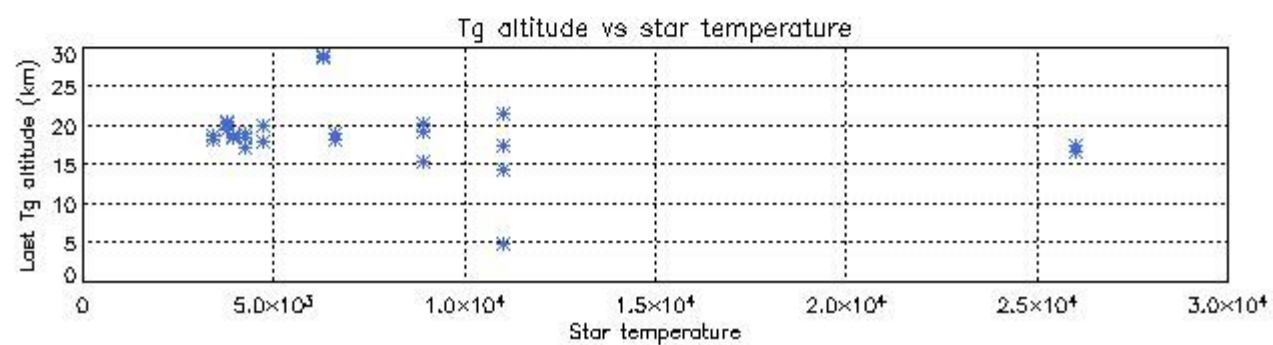
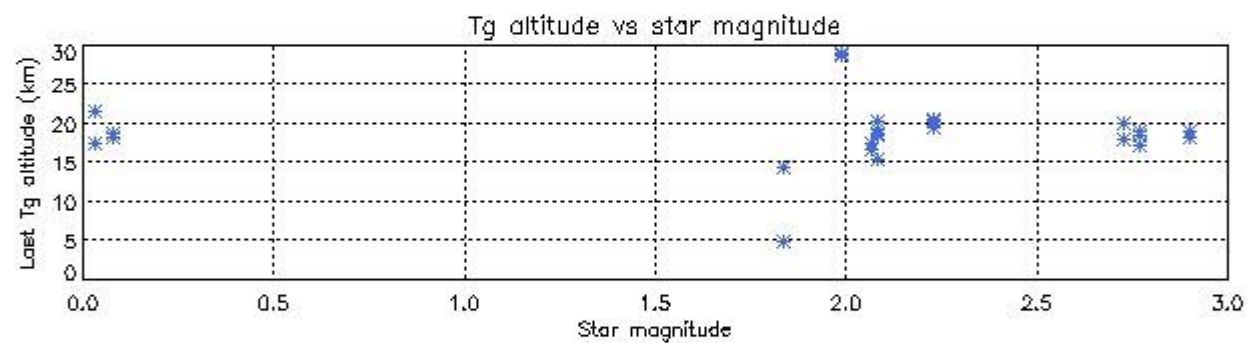
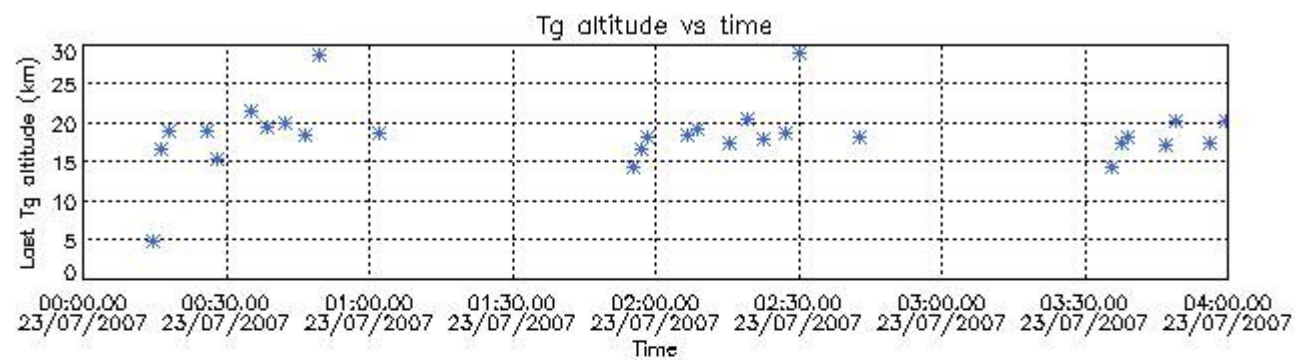
Percentage of saturation errors per profile

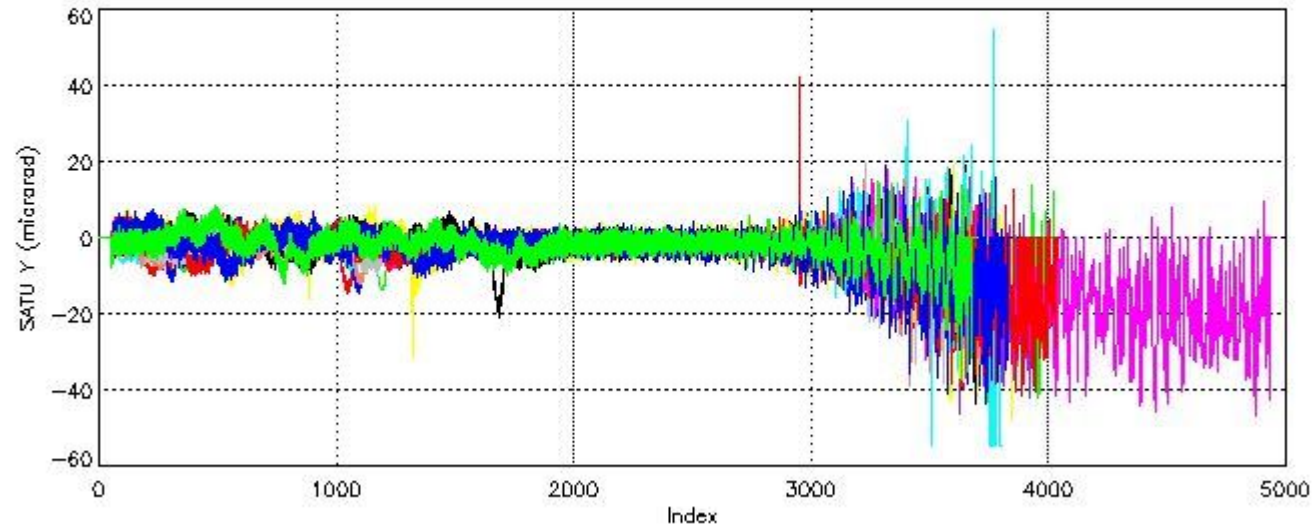


Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.822	18.466	NaN
St. deviation:	4.1561	4.1420	NaN
Maximum:	23.056	29.050	NaN
Minimum:	6.7533	4.8538	NaN
Number of data:	13.000	29.000	NaN

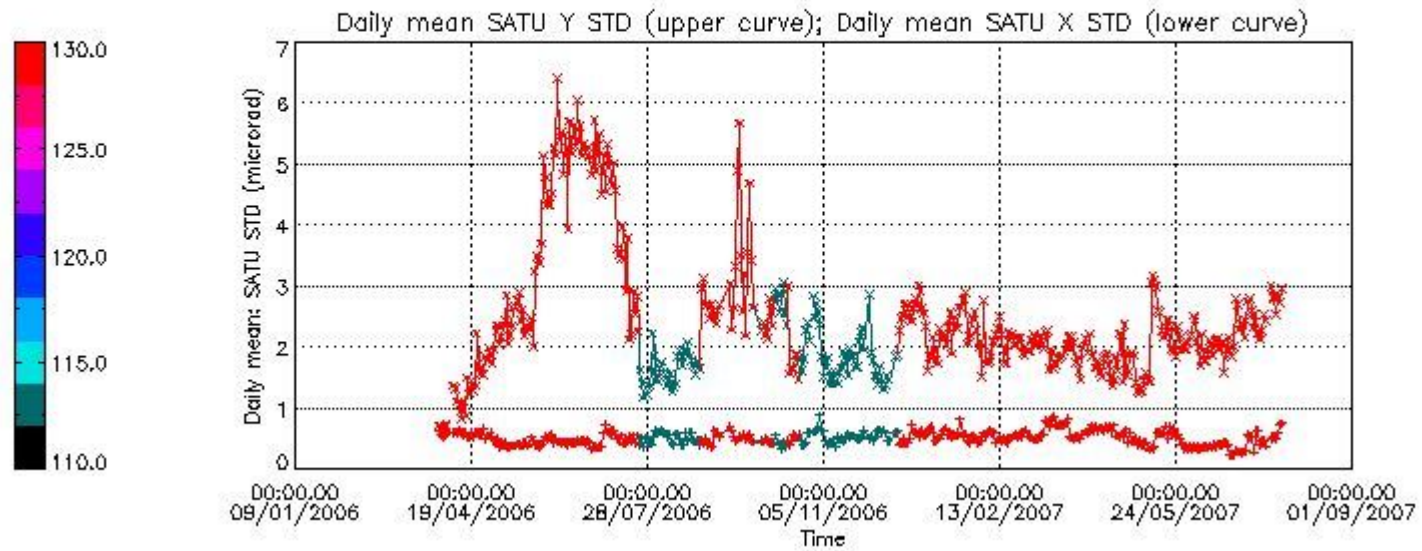
Tangent altitude at which the star is lost



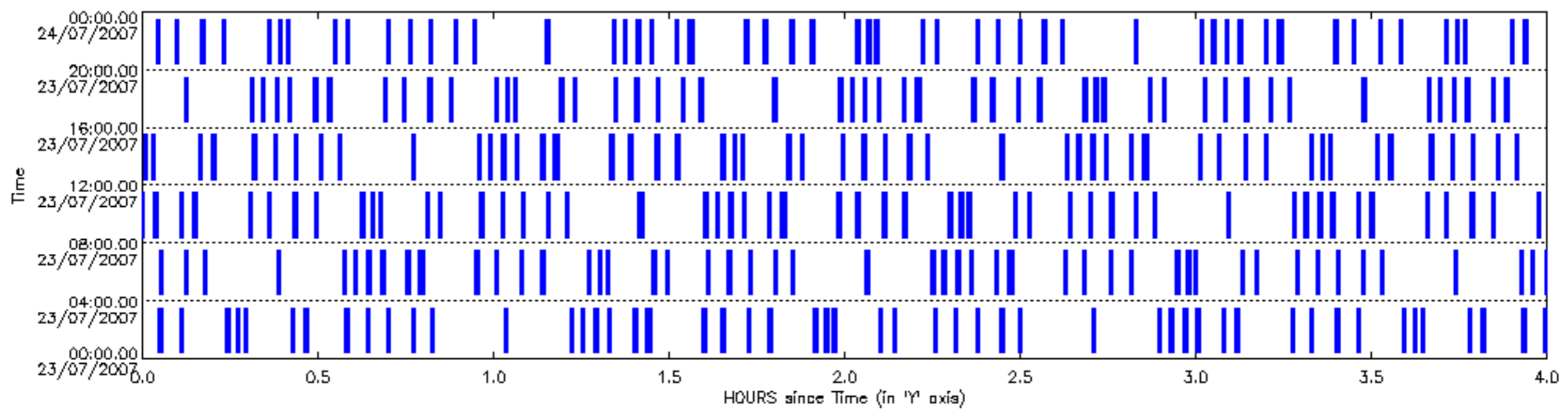


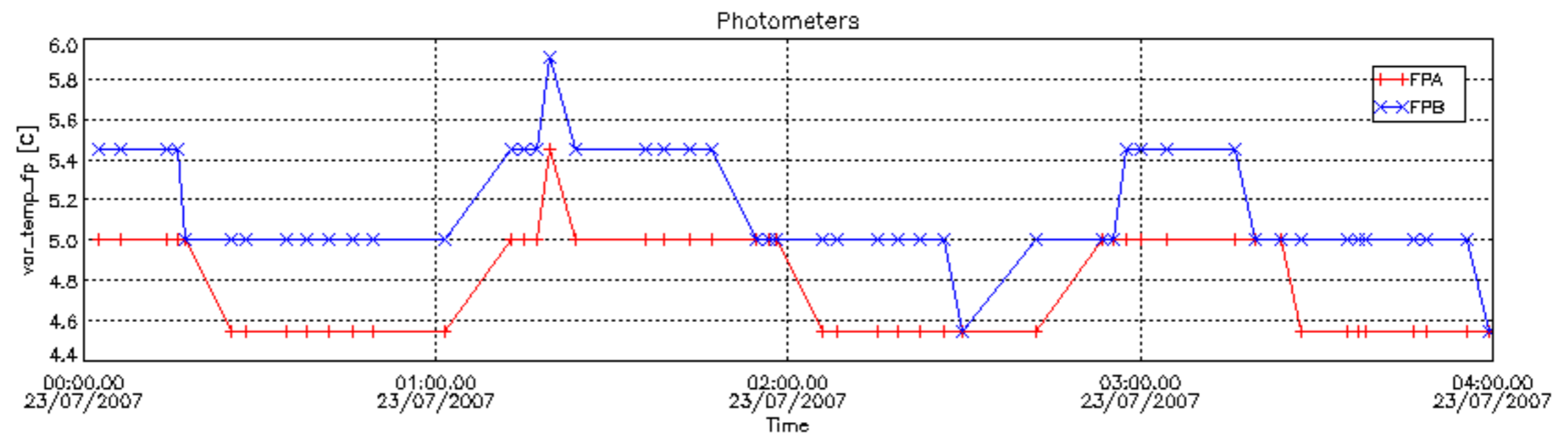
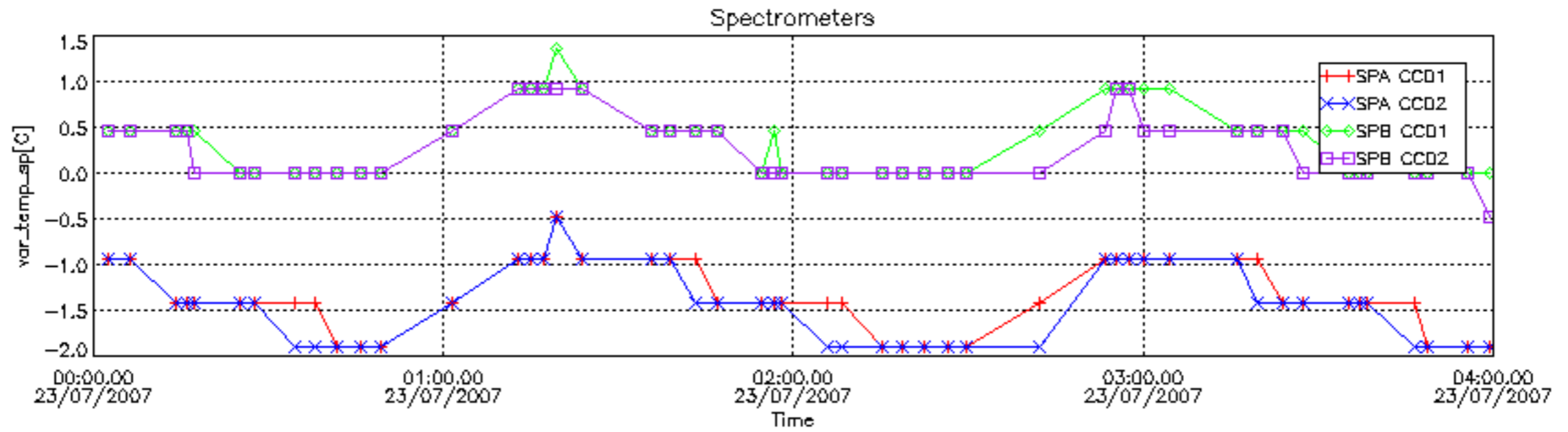


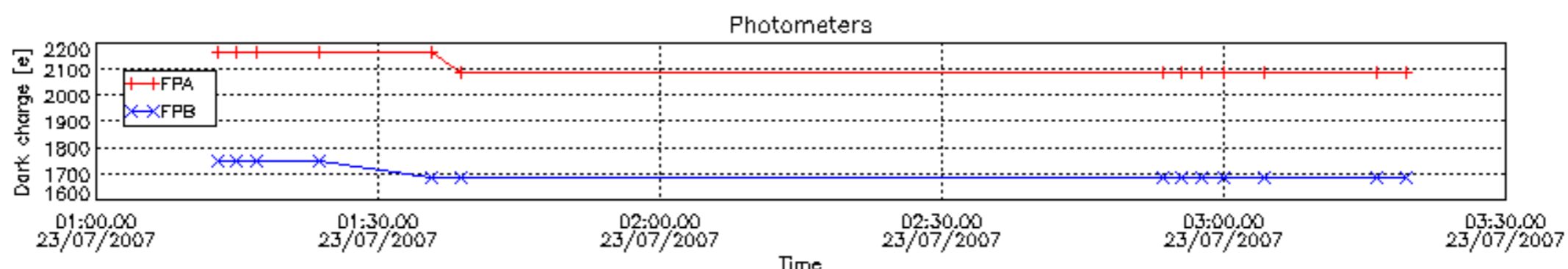
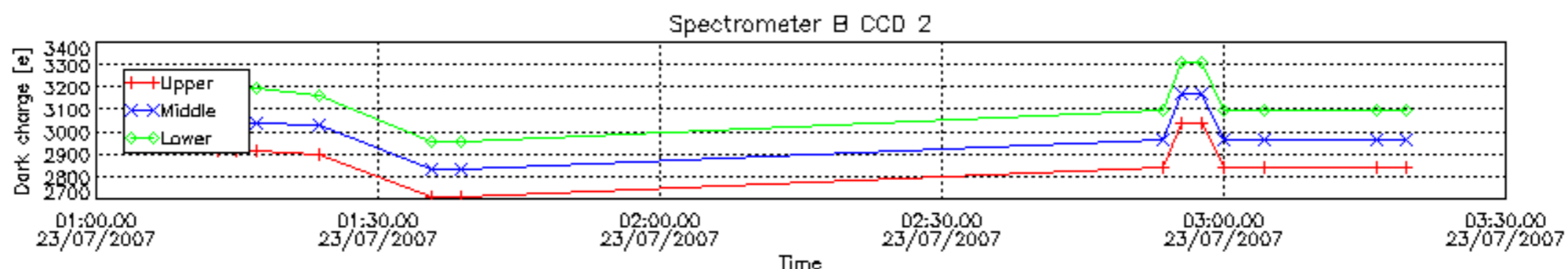
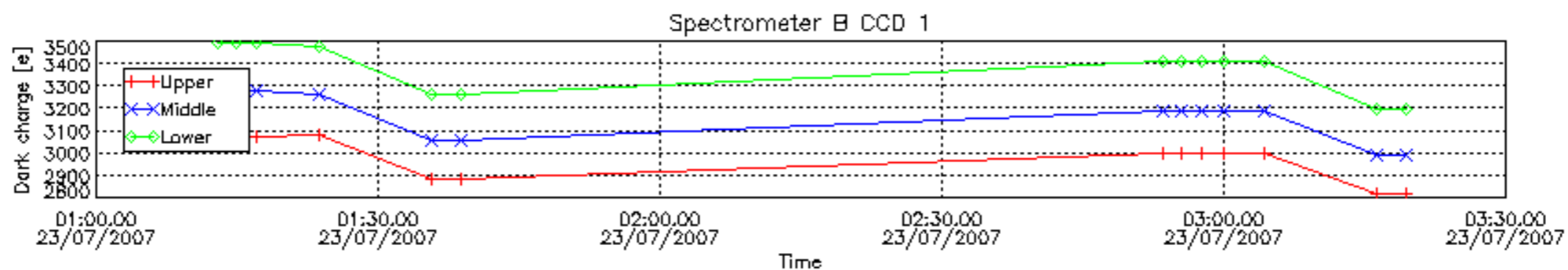
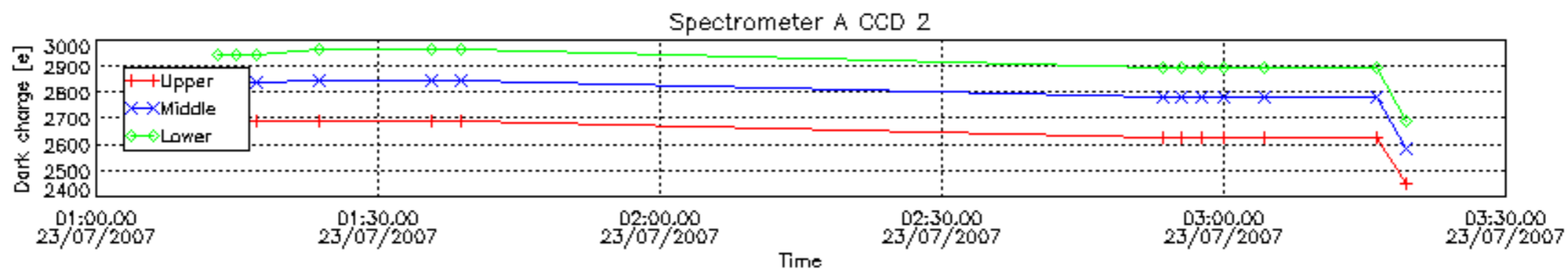
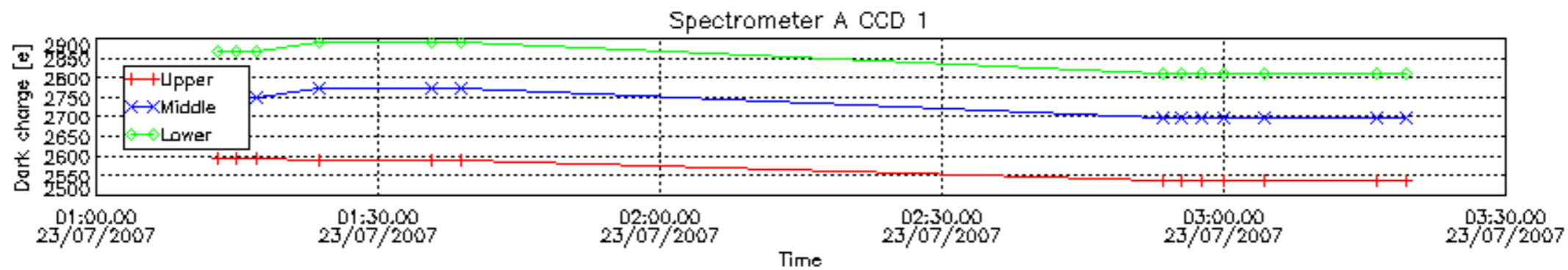
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	-0.036813	-1.1963	0.034681	-0.96437
St. deviation:	0.74536	2.9649	0.59690	2.8872
Maximum:	4.6000	8.4000	4.2000	7.3000
Minimum:	-3.8000	-12.800	-3.9000	-14.300
Number of data:	11400.	11400.	24200.	24200.

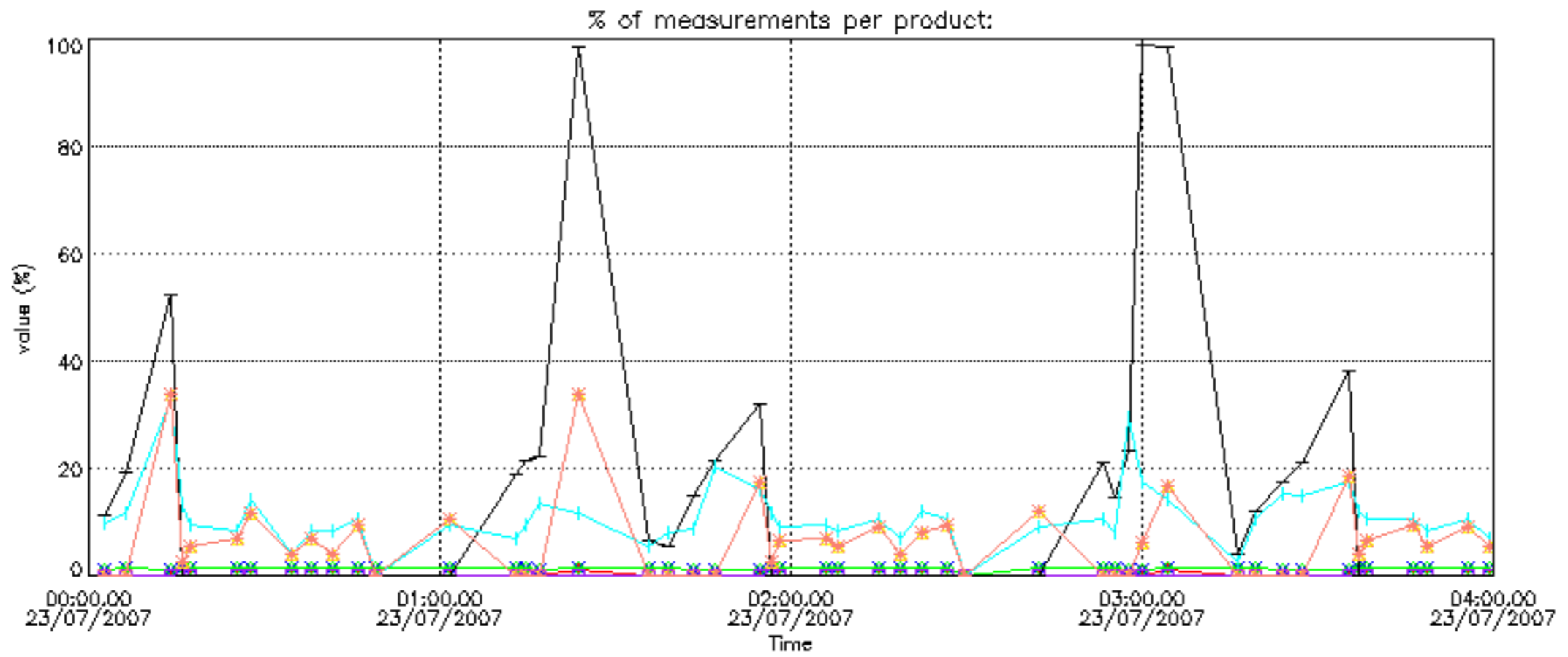


Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	23-JUL-2007 00:02:38
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20070713_071616_20070710_000000_20100101_000000	1	23-JUL-2007 00:02:38
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	23-JUL-2007 00:02:38
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	23-JUL-2007 00:02:38
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	23-JUL-2007 00:02:38
ECMWF_FILE	AUX_ECF_AXNECM20070722_061113_20070722_210000_20070723_090000	1	23-JUL-2007 00:02:38
OPTIONAL_ECMWF_FILE	MISSING	1	23-JUL-2007 00:02:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070722_215511_000057382060_00086_28196_3829.N1	1	23-JUL-2007 00:02:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070722_233608_000057382060_00087_28197_3830.N1	17	23-JUL-2007 01:19:26
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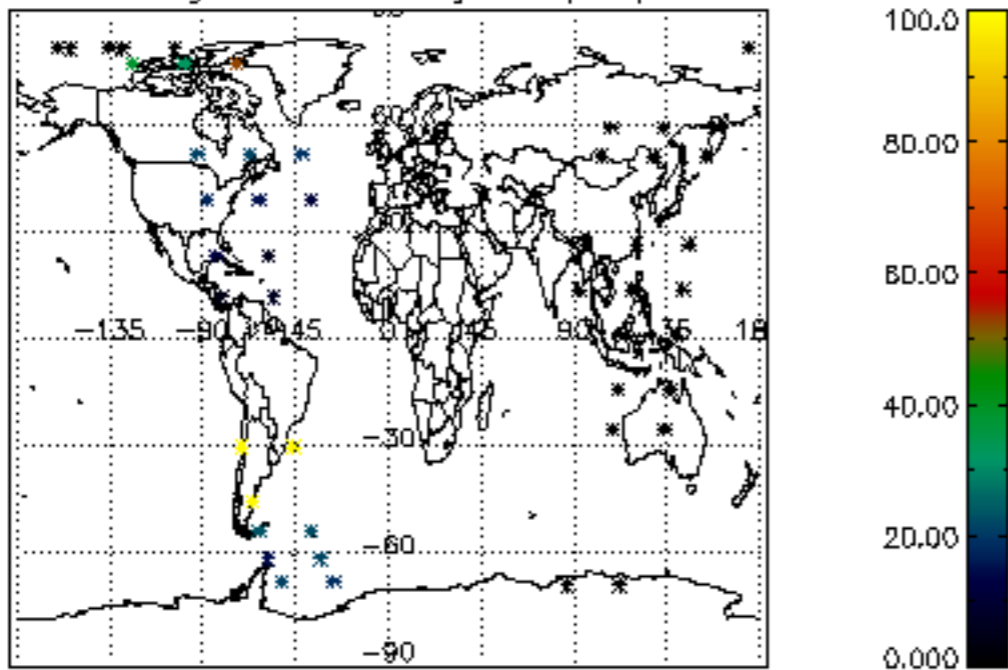




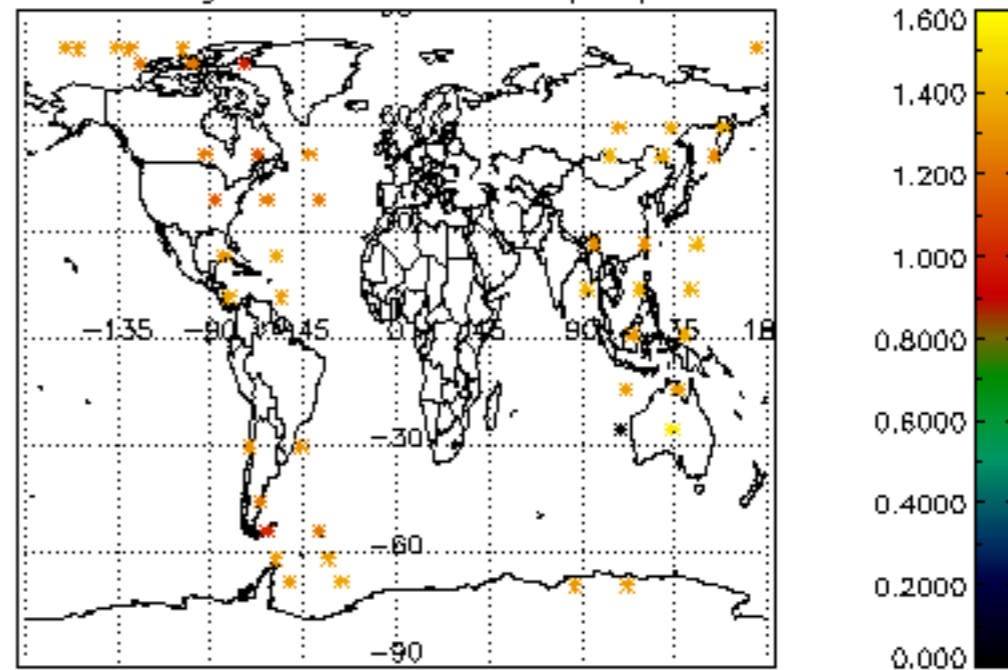




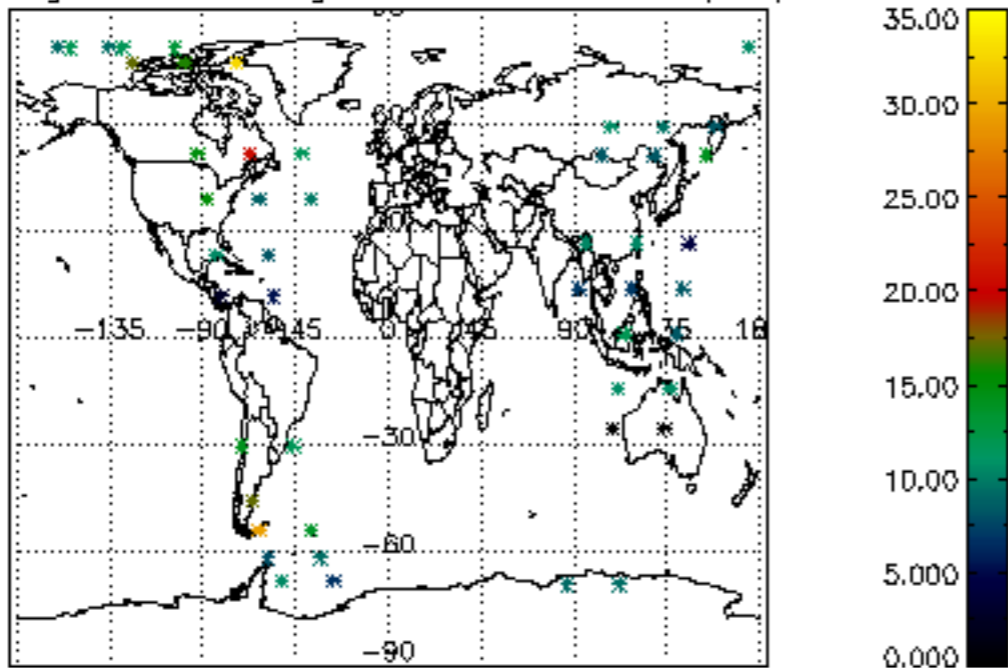
Percentage of cosmic ray hits per profile



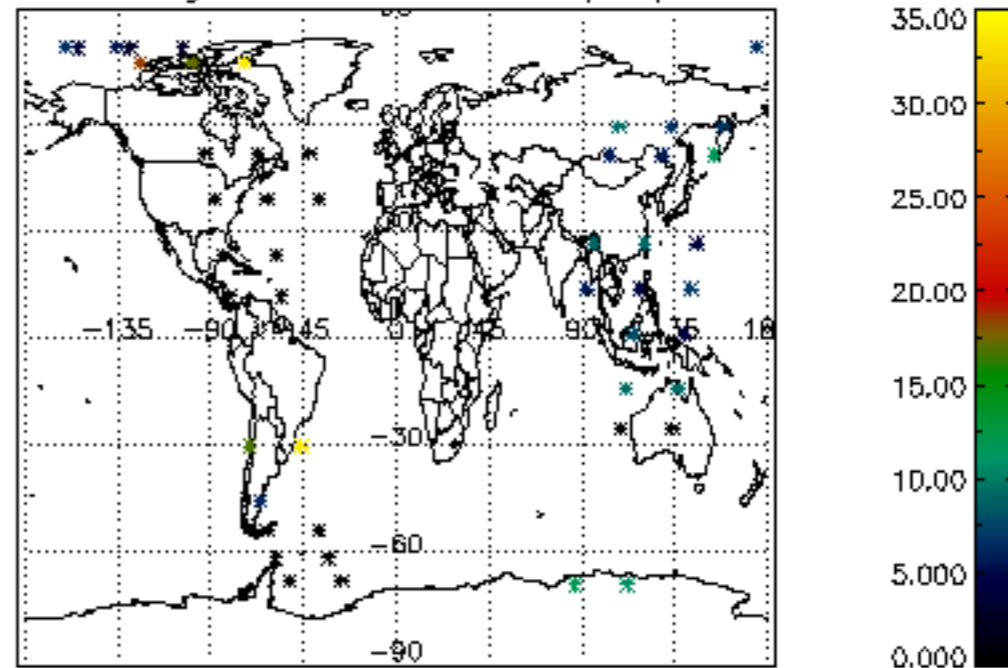
Percentage of datation errors per profile



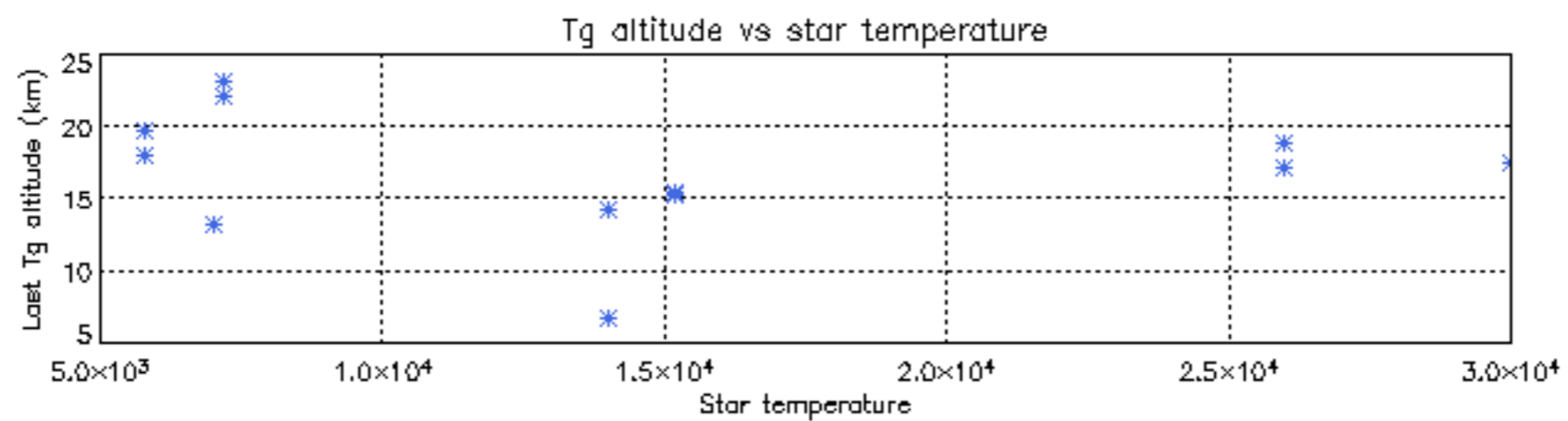
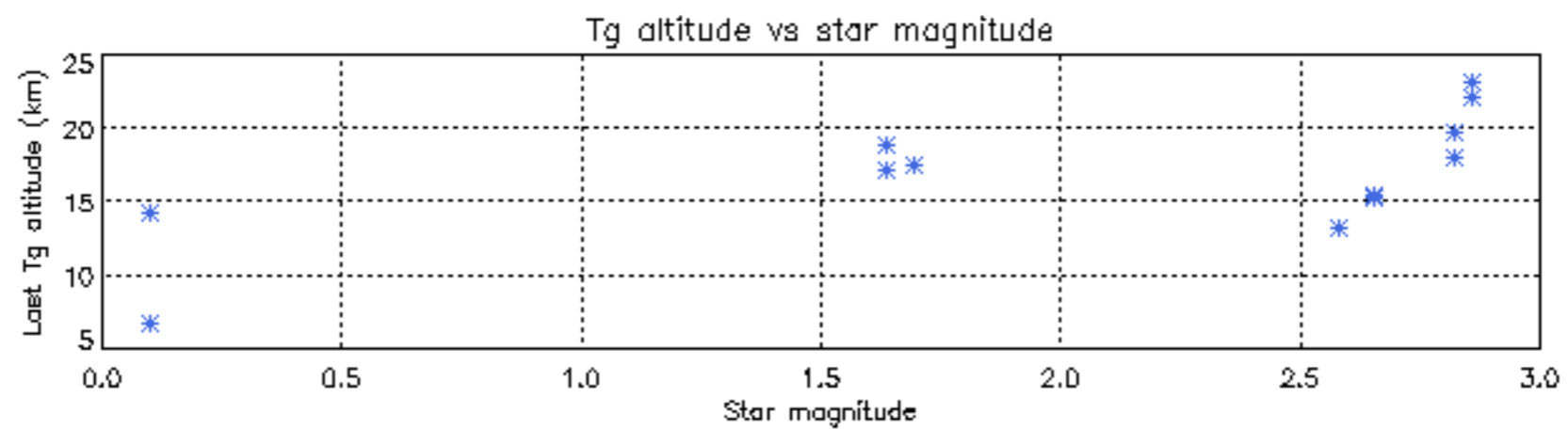
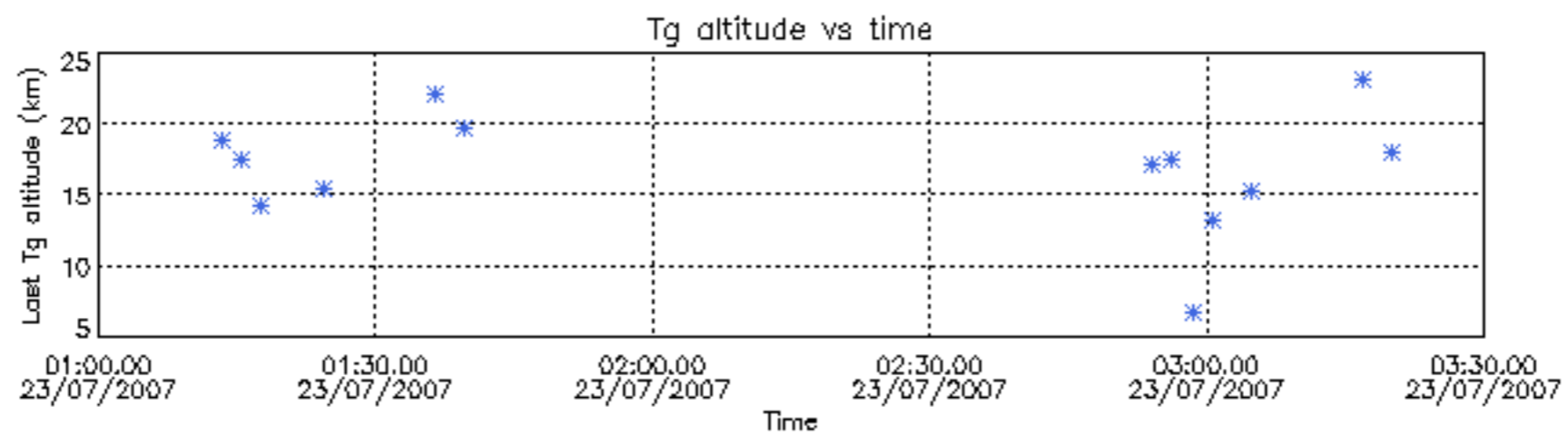
Percentage of star falling outside central band per profile



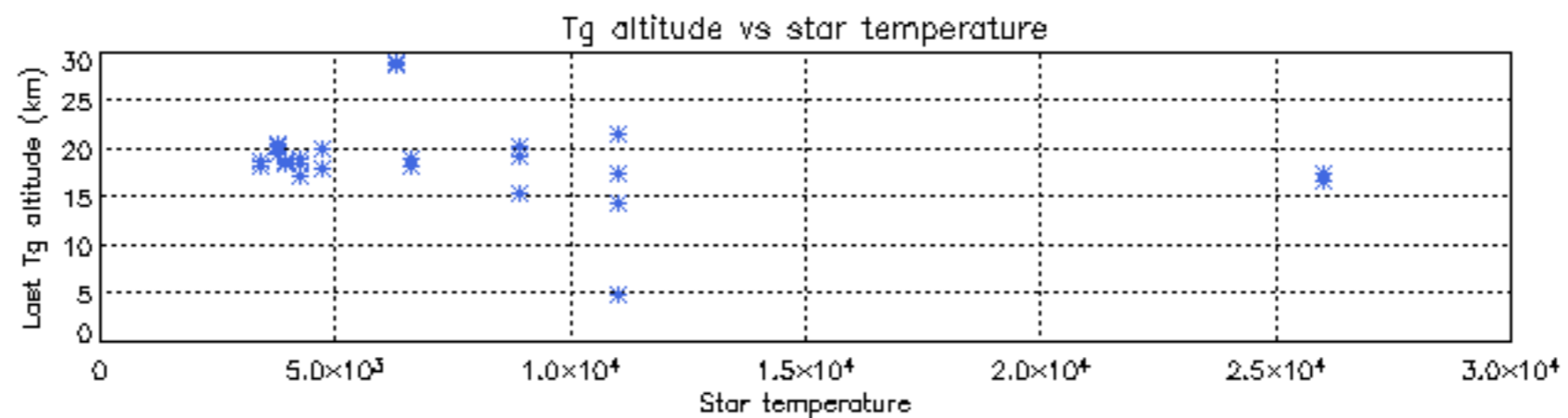
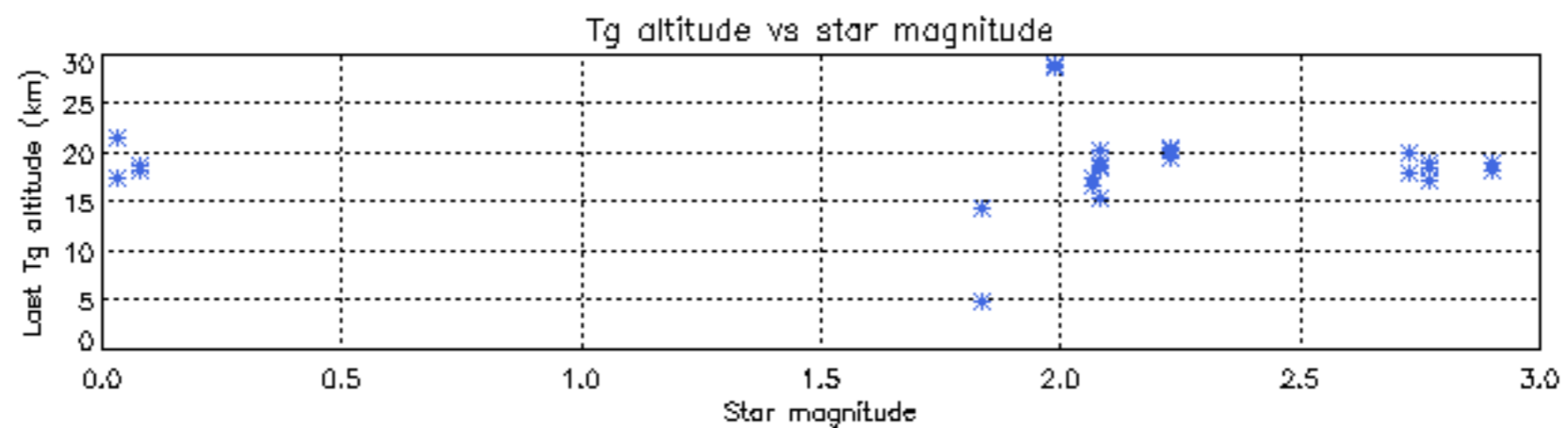
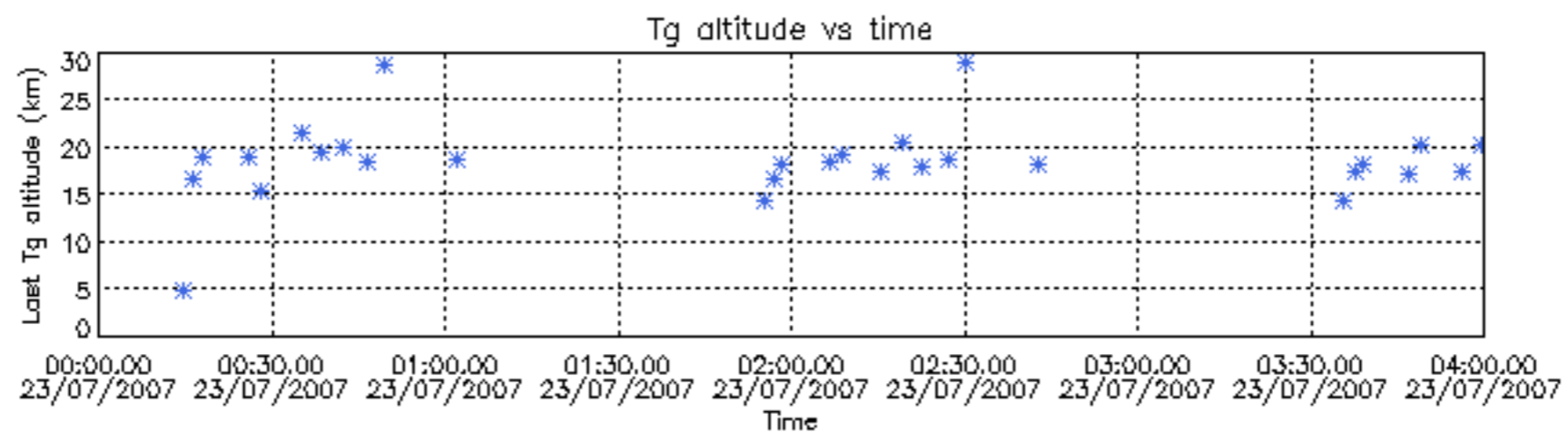
Percentage of saturation errors per profile

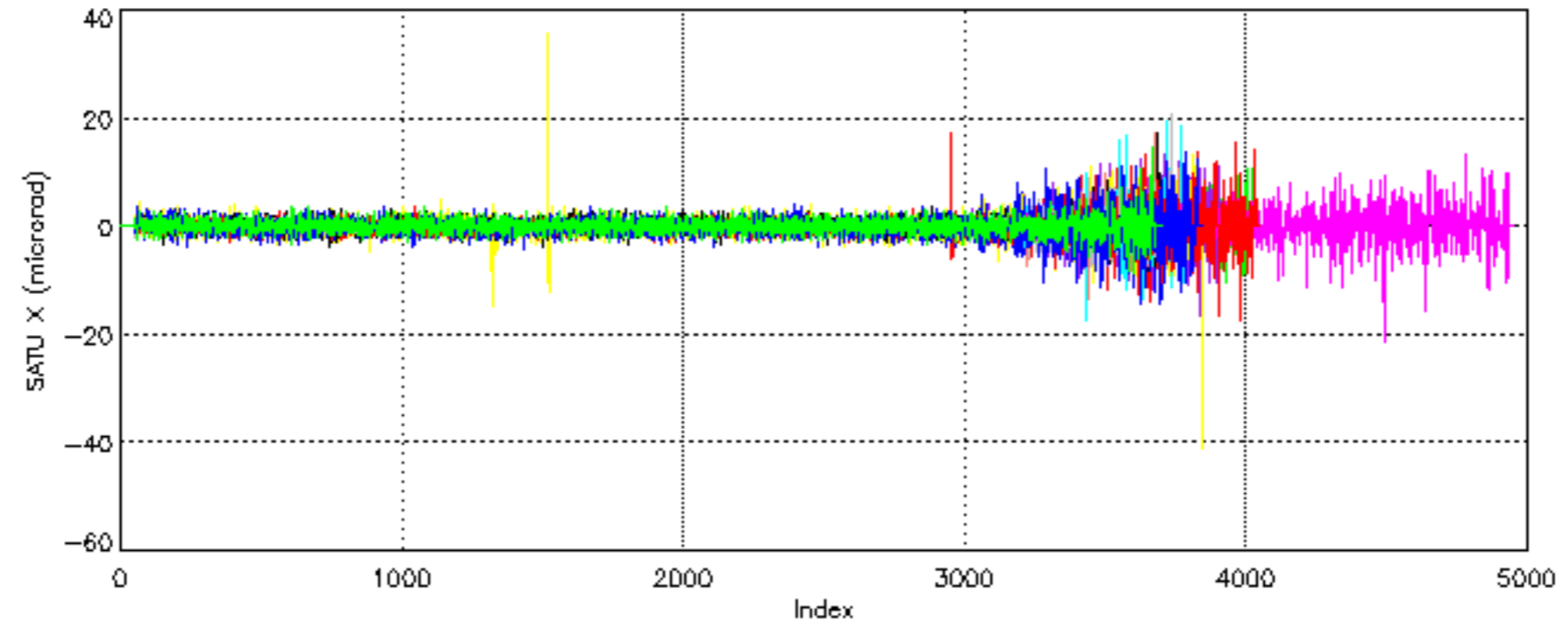


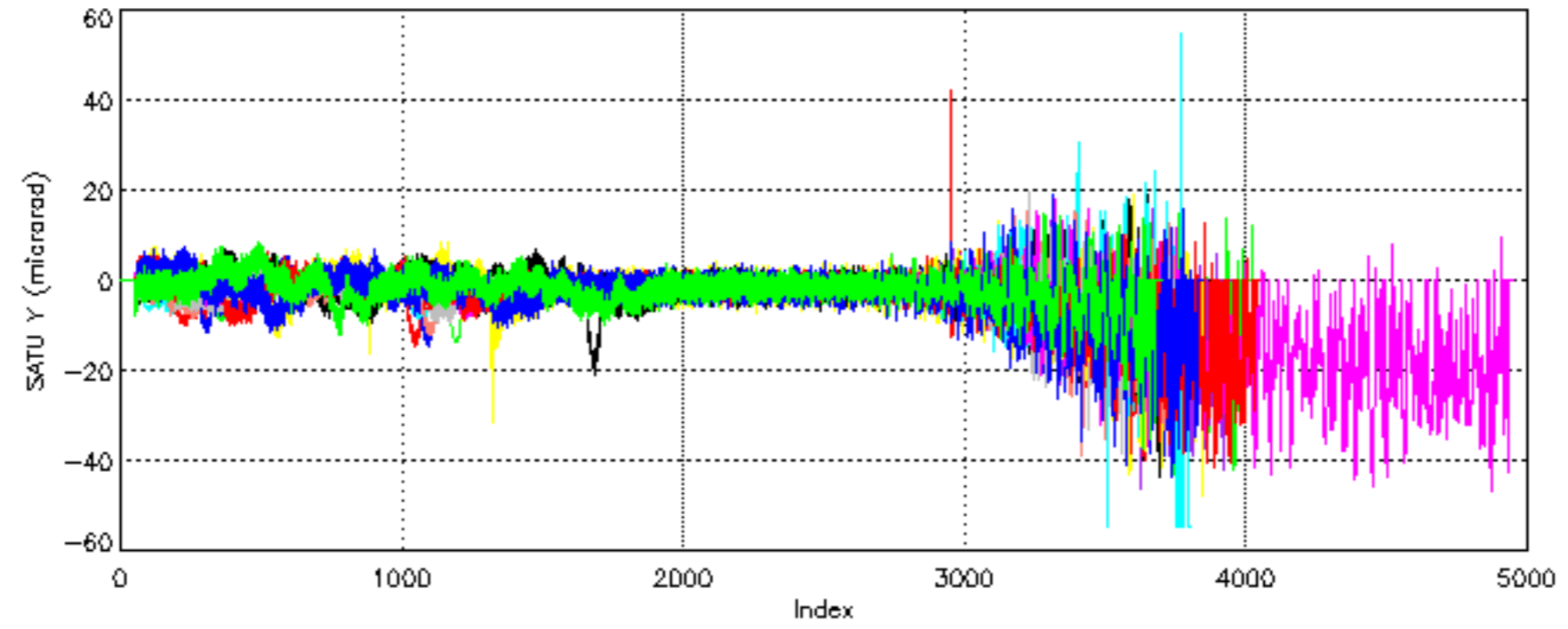
Tangent altitude at which the star is lost

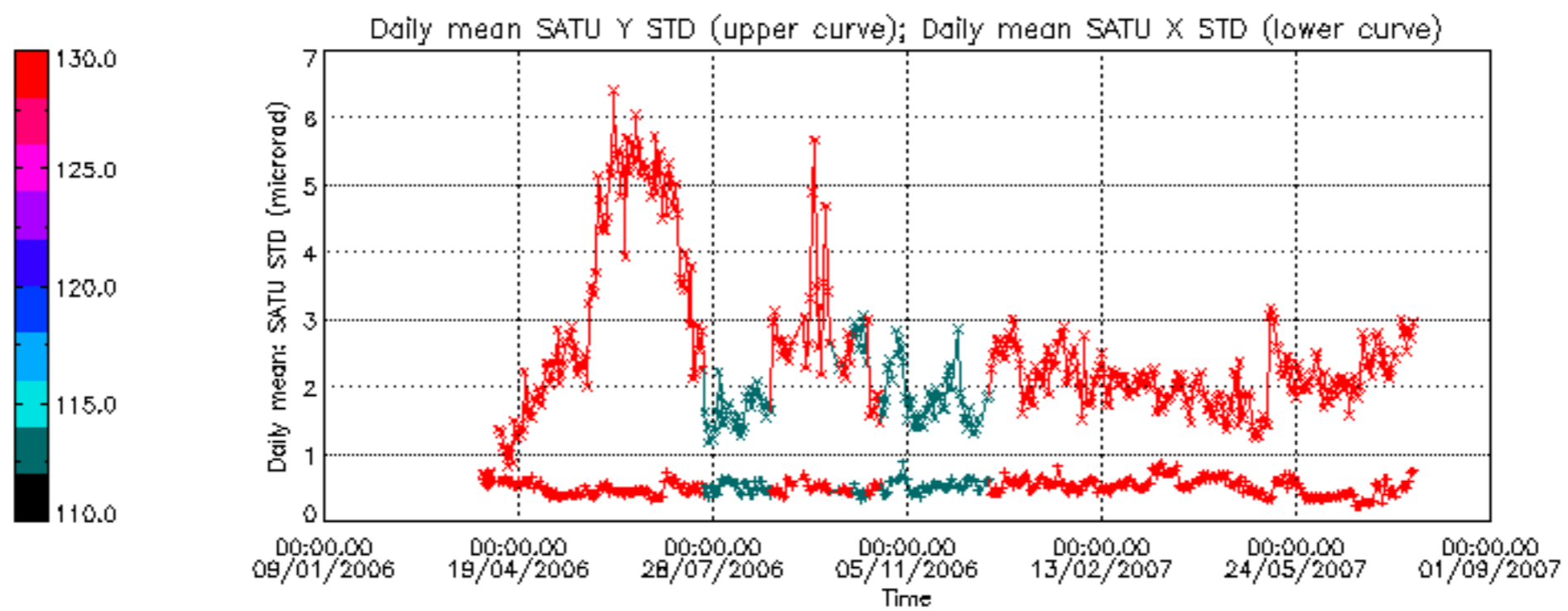


Tangent altitude at which the star is lost









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 4; 480.3; 01-JUL-2007 01:31:42; Dark ; 41.0; 148; Alp Tuc ; 2.88; 4100;occ; 82; 0;27884
 5; 742.9; 01-JUL-2007 01:36:04; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;27884
 6; 1062.1; 01-JUL-2007 01:41:23; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;27884
 7; 1170.1; 01-JUL-2007 01:43:11; Dark ; 41.5; 40; The Sco ; 1.86; 7100;occ; 83; 0;27884
 8; 1269.9; 01-JUL-2007 01:44:51; Dark ; 41.0; 25; 35Lam Sco ; 1.62; 28000;occ; 82; 0;27884
 9; 1354.5; 01-JUL-2007 01:46:16; Dark ; 44.5; 116; 19Del Sgr ; 2.70; 4100;occ; 89; 0;27884
 10; 1642.0; 01-JUL-2007 01:51:03; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;27884
 11; 1982.2; 01-JUL-2007 01:56:43; Bright; 36.0; 126; 60Bet Oph ; 2.77; 4250;occ; 72; 0;27884
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 13; 2283.2; 01-JUL-2007 02:01:44; Bright; 35.5; 127; 27Bet Her ; 2.78; 4700;occ; 71; 0;27884
 14; 2447.8; 01-JUL-2007 02:04:29; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;27884
 15; 2810.0; 01-JUL-2007 02:10:31; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;27884
 16; 2952.4; 01-JUL-2007 02:12:54; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;27884
 17; 3190.9; 01-JUL-2007 02:16:52; Bright; 32.5; 60; 7Bet UMi ; 2.08; 3950;occ; 65; 0;27884
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 6; 481.1; 01-JUL-2007 03:12:18; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;27885
 7; 743.5; 01-JUL-2007 03:16:41; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;27885
 8; 1062.3; 01-JUL-2007 03:21:59; Dark ; 37.0; 147; Alp Ara ; 2.88; 26000;occ; 74; 0;27885
 9; 1170.4; 01-JUL-2007 03:23:47; Dark ; 41.0; 40; The Sco ; 1.86; 7100;occ; 82; 0;27885
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 6; 481.7; 01-JUL-2007 04:52:55; Dark ; 44.0; 148; Alp Tuc ; 2.88; 4100;occ; 88; 0;27886
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 8; 1062.5; 01-JUL-2007 05:02:36; Dark ; 37.0; 147; Alp Ara ; 2.88; 26000;occ; 74; 0;27886
 9; 1170.6; 01-JUL-2007 05:04:24; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;27886
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13; 1982.3; 01-JUL-2007 06:58:31; Bright; 36.5; 126; 60Bet Oph ; 2.77; 4250;occ; 73; 0;27887
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19; 6944.0; 31-JUL-2007 14:20:30; Dark ; 37.5; 45; Alp Pav ; 1.94; 26000;occ; 75; 0;28320
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