

# GOMOS Daily Report 18-JUL-2007

## Level 0 and Level 1 products

### SUMMARY

#### [1. General Info](#)

#### [2. Summary of products arrived in PCF \(Product Control Facility\)](#)

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

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

#### [3. Plot of Spectrometers and Photometers temperatures](#)

#### [4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

#### [5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

#### [6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

#### [7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

## [Level 2 products](#)

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	20JUL2007 05:40:14
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (18JUL2007 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (19JUL2007 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	0

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

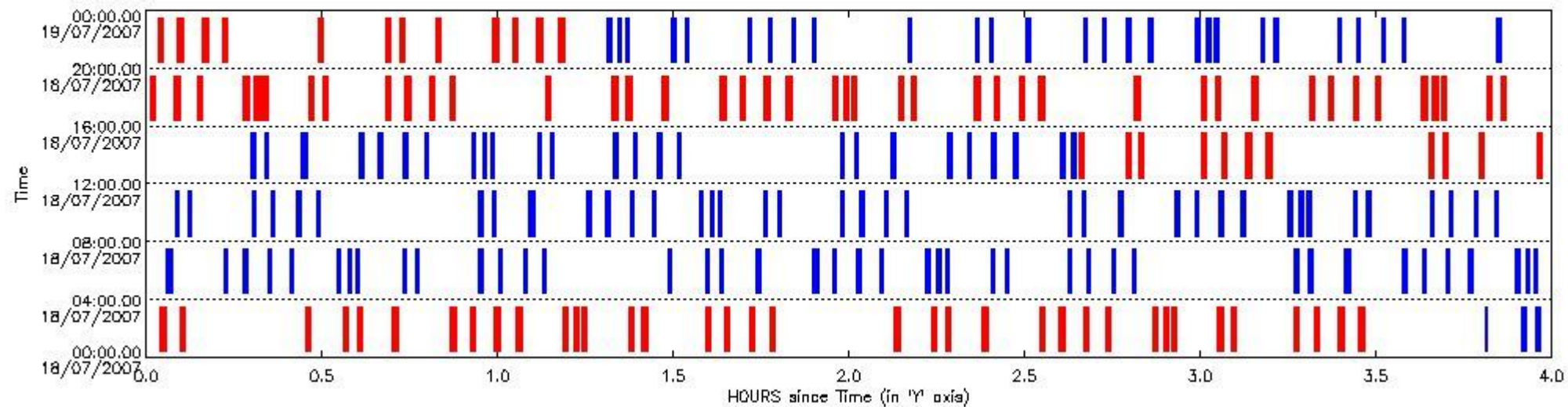
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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)

UTC start time	Star name	Star ID	Orbit
18-JUL-2007 00:02:22	7BetUMi	60	28126
18-JUL-2007 00:05:51	1AlpUMi	49	28126
18-JUL-2007 00:27:12	87AlpTau	13	28126
18-JUL-2007 00:33:31	19BetOri	7	28126
18-JUL-2007 00:35:56	11AlpLep	101	28126
18-JUL-2007 00:42:04	DSA1061	0	28126
18-JUL-2007 00:51:53	AlpEri	9	28127
18-JUL-2007 00:55:17	BetHyi	135	28127
18-JUL-2007 00:59:22	AlpTuc	148	28127
18-JUL-2007 01:03:10	AlpPav	45	28127
18-JUL-2007 01:11:10	20EpsSgr	38	28127
18-JUL-2007 01:13:04	34SigSgr	57	28127
18-JUL-2007 01:14:26	41PiSgr	155	28127
18-JUL-2007 01:22:22	60BetOph	126	28127
18-JUL-2007 01:24:40	55AlpOph	59	28127

18-JUL-2007 01:35:26	33GamDra	69	28127
18-JUL-2007 01:38:44	14EtaDra	119	28127
18-JUL-2007 01:42:58	7BetUMi	60	28127
18-JUL-2007 01:46:27	1AlpUMi	49	28127
18-JUL-2007 02:07:48	87AlpTau	13	28127
18-JUL-2007 02:14:07	19BetOri	7	28127
18-JUL-2007 02:16:33	11AlpLep	101	28127
18-JUL-2007 02:22:40	DSA1061	0	28127
18-JUL-2007 02:32:30	AlpEri	9	28128
18-JUL-2007 02:35:53	BetHyi	135	28128
18-JUL-2007 02:39:58	AlpTuc	148	28128
18-JUL-2007 02:43:47	AlpPav	45	28128
18-JUL-2007 02:51:46	20EpsSgr	38	28128
18-JUL-2007 02:53:40	34SigSgr	57	28128
18-JUL-2007 02:55:02	41PiSgr	155	28128
18-JUL-2007 03:02:58	60BetOph	126	28128
18-JUL-2007 03:05:16	55AlpOph	59	28128
18-JUL-2007 03:16:02	33GamDra	69	28128
18-JUL-2007 03:19:21	14EtaDra	119	28128
18-JUL-2007 03:23:35	7BetUMi	60	28128
18-JUL-2007 03:27:03	1AlpUMi	49	28128
18-JUL-2007 14:39:14	41PiSgr	155	28135
18-JUL-2007 14:47:11	60BetOph	126	28135
18-JUL-2007 14:49:28	55AlpOph	59	28135
18-JUL-2007 15:00:13	33GamDra	69	28135
18-JUL-2007 15:03:34	14EtaDra	119	28135
18-JUL-2007 15:07:48	7BetUMi	60	28135
18-JUL-2007 15:11:14	1AlpUMi	49	28135
18-JUL-2007 15:38:57	19BetOri	7	28135
18-JUL-2007 15:41:21	11AlpLep	101	28135
18-JUL-2007 15:47:31	DSA1061	0	28135
18-JUL-2007 15:57:22	AlpEri	9	28136
18-JUL-2007 16:00:42	BetHyi	135	28136
18-JUL-2007 16:04:50	AlpTuc	148	28136
18-JUL-2007 16:08:37	AlpPav	45	28136
18-JUL-2007 16:16:35	20EpsSgr	38	28136
18-JUL-2007 16:18:29	34SigSgr	57	28136
18-JUL-2007 16:19:51	41PiSgr	155	28136
18-JUL-2007 16:27:47	60BetOph	126	28136
18-JUL-2007 16:30:05	55AlpOph	59	28136
18-JUL-2007 16:40:49	33GamDra	69	28136
18-JUL-2007 16:44:10	14EtaDra	119	28136
18-JUL-2007 16:48:24	7BetUMi	60	28136
18-JUL-2007 16:51:50	1AlpUMi	49	28136
18-JUL-2007 17:08:07	3IotAur	114	28136
18-JUL-2007 17:19:33	19BetOri	7	28136
18-JUL-2007 17:21:57	11AlpLep	101	28136
18-JUL-2007 17:28:08	DSA1061	0	28136
18-JUL-2007 17:37:59	AlpEri	9	28137
18-JUL-2007 17:41:19	BetHyi	135	28137
18-JUL-2007 17:45:26	AlpTuc	148	28137
18-JUL-2007 17:49:13	AlpPav	45	28137
18-JUL-2007 17:57:11	20EpsSgr	38	28137
18-JUL-2007 17:59:05	34SigSgr	57	28137
18-JUL-2007 18:00:27	41PiSgr	155	28137
18-JUL-2007 18:08:23	60BetOph	126	28137
18-JUL-2007 18:10:41	55AlpOph	59	28137
18-JUL-2007 18:21:25	33GamDra	69	28137
18-JUL-2007 18:24:46	14EtaDra	119	28137

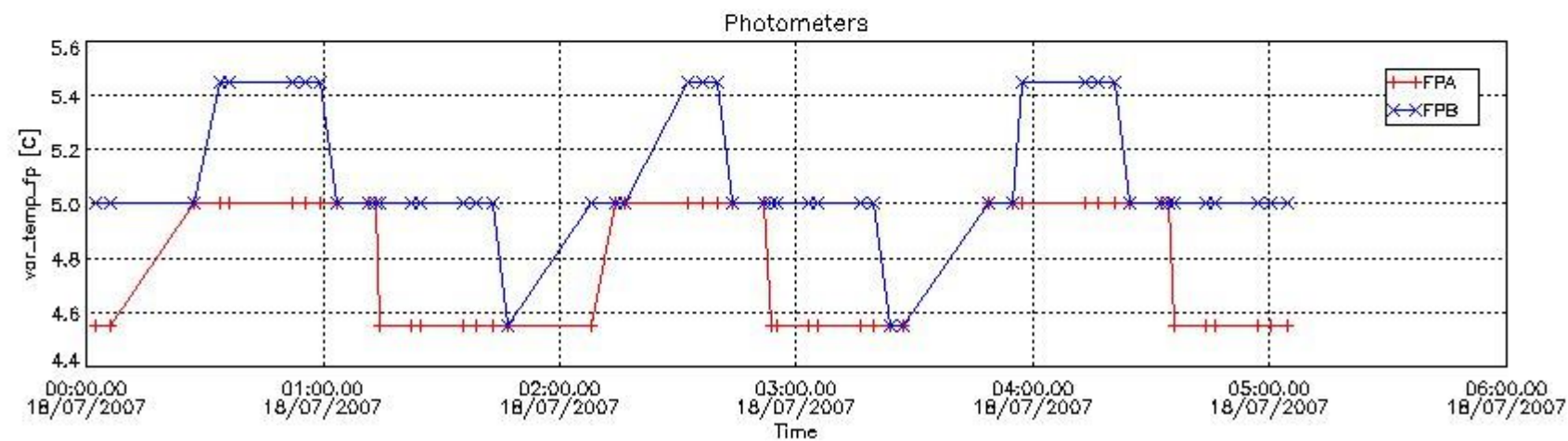
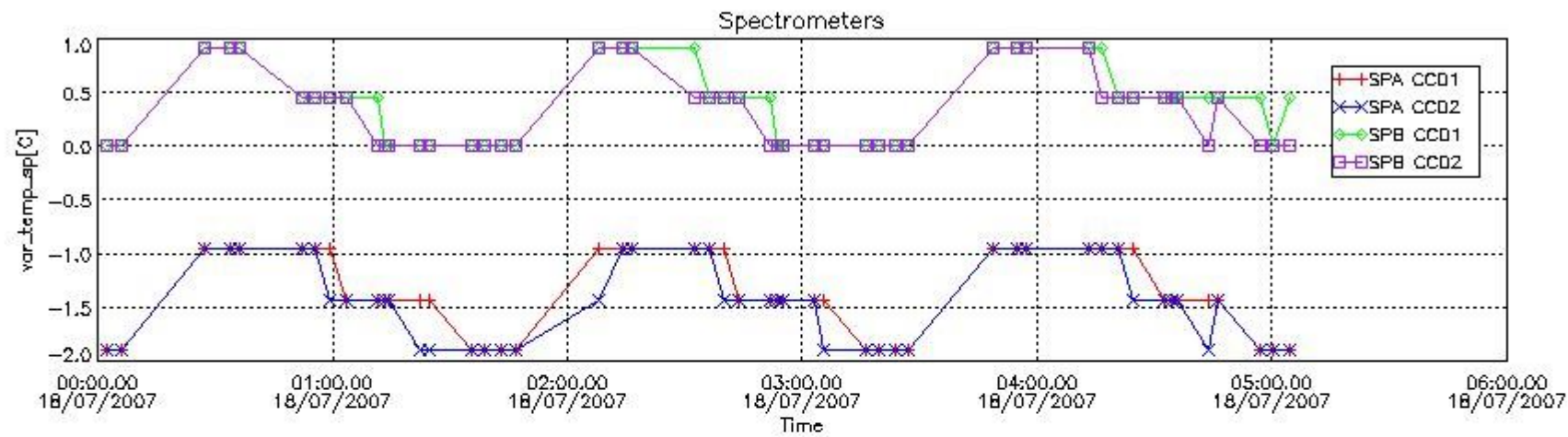
18-JUL-2007 18:29:00	7BetUMi	60	28137
18-JUL-2007 18:32:26	1AlpUMi	49	28137
18-JUL-2007 18:48:43	3IotAur	114	28137
18-JUL-2007 19:00:09	19BetOri	7	28137
18-JUL-2007 19:02:34	11AlpLep	101	28137
18-JUL-2007 19:08:44	DSA1061	0	28137
18-JUL-2007 19:18:36	AlpEri	9	28138
18-JUL-2007 19:21:55	BetHyi	135	28138
18-JUL-2007 19:26:03	AlpTuc	148	28138
18-JUL-2007 19:29:50	AlpPav	45	28138
18-JUL-2007 19:37:47	20EpsSgr	38	28138
18-JUL-2007 19:39:41	34SigSgr	57	28138
18-JUL-2007 19:41:03	41PiSgr	155	28138
18-JUL-2007 19:48:59	60BetOph	126	28138
18-JUL-2007 19:51:17	55AlpOph	59	28138
18-JUL-2007 20:02:01	33GamDra	69	28138
18-JUL-2007 20:05:22	14EtaDra	119	28138
18-JUL-2007 20:09:36	7BetUMi	60	28138
18-JUL-2007 20:13:02	1AlpUMi	49	28138
18-JUL-2007 20:29:19	3IotAur	114	28138
18-JUL-2007 20:40:45	19BetOri	7	28138
18-JUL-2007 20:43:10	11AlpLep	101	28138
18-JUL-2007 20:49:21	DSA1061	0	28138
18-JUL-2007 20:59:12	AlpEri	9	28139
18-JUL-2007 21:02:31	BetHyi	135	28139
18-JUL-2007 21:06:39	AlpTuc	148	28139
18-JUL-2007 21:10:26	AlpPav	45	28139

#### 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_1PNPDE20070718_000231_000000372060_00016_28126_9823.N1	18-JUL-2007 00:02:31	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	28126	No
2	GOM_TRA_1PNPDE20070718_000600_000000332060_00016_28126_9824.N1	18-JUL-2007 00:06:00	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	28126	No
3	GOM_TRA_1PNPDE20070718_002721_000000422060_00016_28126_9825.N1	18-JUL-2007 00:27:21	Twilight	41.500	13	87Alp Tau	0.86700	3800.0	83	28126	No
4	GOM_TRA_1PNPDE20070718_003340_000000402060_00016_28126_9826.N1	18-JUL-2007 00:33:40	Dark	40.000	7	19Bet Ori	0.10000	14000.	80	28126	No
5	GOM_TRA_1PNPDE20070718_003605_000000372060_00016_28126_9827.N1	18-JUL-2007 00:36:05	Dark	36.500	101	11Alp Lep	2.5820	7000.0	73	28126	No
6	GOM_TRA_1PNPDE20070718_005202_000000532060_00017_28127_9962.N1	18-JUL-2007 00:52:02	Dark	53.000	9	Alp Eri	0.45300	24000.	106	28127	No
7	GOM_TRA_1PNPDE20070718_005525_000000372060_00017_28127_9963.N1	18-JUL-2007 00:55:25	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	28127	No
8	GOM_TRA_1PNPDE20070718_005931_000000412060_00017_28127_9964.N1	18-JUL-2007 00:59:31	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	28127	No
9	GOM_TRA_1PNPDE20070718_010319_000000392060_00017_28127_9965.N1	18-JUL-2007 01:03:19	Straylight	38.500	45	Alp Pav	1.9400	26000.	77	28127	No
10	GOM_TRA_1PNPDE20070718_011119_000000392060_00017_28127_9966.N1	18-JUL-2007 01:11:19	Twilight	38.500	38	20Eps Sgr	1.8360	11000.	77	28127	No
11	GOM_TRA_1PNPDE20070718_011313_000000392060_00017_28127_9967.N1	18-JUL-2007 01:13:13	Bright	39.000	57	34Sig Sgr	2.0660	26000.	78	28127	No
12	GOM_TRA_1PNPDE20070718_011434_000000382060_00017_28127_9968.N1	18-JUL-2007 01:14:34	Bright	38.000	155	41Pi Sgr	2.9000	6600.0	76	28127	No
13	GOM_TRA_1PNPDE20070718_012231_000000362060_00017_28127_9969.N1	18-JUL-2007 01:22:31	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	28127	No
14	GOM_TRA_1PNPDE20070718_012448_000000352060_00017_28127_9970.N1	18-JUL-2007 01:24:48	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	28127	No
15	GOM_TRA_1PNPDE20070718_013534_000000372060_00017_28127_9971.N1	18-JUL-2007 01:35:34	Bright	36.500	69	33Gam Dra	2.2310	3800.0	73	28127	No
16	GOM_TRA_1PNPDE20070718_013853_000000332060_00017_28127_9972.N1	18-JUL-2007 01:38:53	Bright	33.000	119	14Eta Dra	2.7270	4700.0	66	28127	No
17	GOM_TRA_1PNPDE20070718_014307_000000372060_00017_28127_9973.N1	18-JUL-2007 01:43:07	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	28127	No
18	GOM_TRA_1PNPDE20070718_014635_000000332060_00017_28127_9974.N1	18-JUL-2007 01:46:35	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	28127	No
19	GOM_TRA_1PNPDE20070718_020757_000000412060_00017_28127_9975.N1	18-JUL-2007 02:07:57	Twilight	40.500	13	87Alp Tau	0.86700	3800.0	81	28127	No
20	GOM_TRA_1PNPDE20070718_021416_000000412060_00017_28127_0106.N1	18-JUL-2007 02:14:16	Dark	40.500	7	19Bet Ori	0.10000	14000.	81	28127	No
21	GOM_TRA_1PNPDE20070718_021641_000000372060_00017_28127_0107.N1	18-JUL-2007 02:16:41	Dark	36.500	101	11Alp Lep	2.5820	7000.0	73	28127	No
22	GOM_TRA_1PNPDE20070718_023239_000000422060_00018_28128_0108.N1	18-JUL-2007 02:32:39	Dark	41.500	9	Alp Eri	0.45300	24000.	83	28128	No
23	GOM_TRA_1PNPDE20070718_023601_000000382060_00018_28128_0109.N1	18-JUL-2007 02:36:01	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	28128	No
24	GOM_TRA_1PNPDE20070718_024007_000000412060_00018_28128_0110.N1	18-JUL-2007 02:40:07	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	28128	No
25	GOM_TRA_1PNPDE20070718_024355_000000392060_00018_28128_0111.N1	18-JUL-2007 02:43:55	Straylight	38.500	45	Alp Pav	1.9400	26000.	77	28128	No
26	GOM_TRA_1PNPDE20070718_025155_000000402060_00018_28128_0112.N1	18-JUL-2007 02:51:55	Twilight	40.000	38	20Eps Sgr	1.8360	11000.	80	28128	No
27	GOM_TRA_1PNPDE20070718_025349_000000392060_00018_28128_0113.N1	18-JUL-2007 02:53:49	Bright	39.000	57	34Sig Sgr	2.0660	26000.	78	28128	No

28	GOM_TRA_1PNPDE20070718_025510_000000382060_00018_28128_0114.N1	18-JUL-2007 02:55:10	Bright	37.500	155	41Pi Sgr	2.9000	6600.0	75	28128	No
29	GOM_TRA_1PNPDE20070718_030307_000000362060_00018_28128_0115.N1	18-JUL-2007 03:03:07	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	28128	No
30	GOM_TRA_1PNPDE20070718_030525_000000362060_00018_28128_0116.N1	18-JUL-2007 03:05:25	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	28128	No
31	GOM_TRA_1PNPDE20070718_031610_000000342060_00018_28128_0117.N1	18-JUL-2007 03:16:10	Bright	33.500	69	33Gam Dra	2.2310	3800.0	67	28128	No
32	GOM_TRA_1PNPDE20070718_031929_000000322060_00018_28128_0118.N1	18-JUL-2007 03:19:29	Bright	32.000	119	14Eta Dra	2.7270	4700.0	64	28128	No
33	GOM_TRA_1PNPDE20070718_032343_000000332060_00018_28128_0119.N1	18-JUL-2007 03:23:43	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	28128	No
34	GOM_TRA_1PNPDE20070718_032711_000000332060_00018_28128_0120.N1	18-JUL-2007 03:27:11	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	28128	No
35	GOM_TRA_1PNPDE20070718_034833_000000302060_00018_28128_0252.N1	18-JUL-2007 03:48:33	Twilight	30.000	13	87Alp Tau	0.86700	3800.0	60	28128	No
36	GOM_TRA_1PNPDE20070718_035452_000000412060_00018_28128_0253.N1	18-JUL-2007 03:54:52	Dark	41.000	7	19Bet Ori	0.10000	14000.	82	28128	No
37	GOM_TRA_1PNPDE20070718_035717_000000402060_00018_28128_0254.N1	18-JUL-2007 03:57:17	Dark	40.000	101	11Alp Lep	2.5820	7000.0	80	28128	No
38	GOM_TRA_1PNPDE20070718_041315_000000412060_00019_28129_0255.N1	18-JUL-2007 04:13:15	Dark	40.500	9	Alp Eri	0.45300	24000.	81	28129	No
39	GOM_TRA_1PNPDE20070718_041637_000000372060_00019_28129_0256.N1	18-JUL-2007 04:16:37	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	28129	No
40	GOM_TRA_1PNPDE20070718_042043_000000432060_00019_28129_0257.N1	18-JUL-2007 04:20:43	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	28129	No
41	GOM_TRA_1PNPDE20070718_042431_000000382060_00019_28129_0258.N1	18-JUL-2007 04:24:31	Straylight	38.000	45	Alp Pav	1.9400	26000.	76	28129	No
42	GOM_TRA_1PNPDE20070718_043231_000000382060_00019_28129_0259.N1	18-JUL-2007 04:32:31	Tw_i_and_stray	38.000	38	20Eps Sgr	1.8360	11000.	76	28129	No
43	GOM_TRA_1PNPDE20070718_043425_000000372060_00019_28129_0260.N1	18-JUL-2007 04:34:25	Bright	37.000	57	34Sig Sgr	2.0660	26000.	74	28129	No
44	GOM_TRA_1PNPDE20070718_043546_000000392060_00019_28129_0261.N1	18-JUL-2007 04:35:46	Bright	38.500	155	41Pi Sgr	2.9000	6600.0	77	28129	No
45	GOM_TRA_1PNPDE20070718_044343_000000372060_00019_28129_0262.N1	18-JUL-2007 04:43:43	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	28129	No
46	GOM_TRA_1PNPDE20070718_044600_000000362060_00019_28129_0263.N1	18-JUL-2007 04:46:00	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	28129	No
47	GOM_TRA_1PNPDE20070718_045646_000000372060_00019_28129_0264.N1	18-JUL-2007 04:56:46	Bright	36.500	69	33Gam Dra	2.2310	3800.0	73	28129	No
48	GOM_TRA_1PNPDE20070718_050005_000000332060_00019_28129_0265.N1	18-JUL-2007 05:00:05	Bright	33.000	119	14Eta Dra	2.7270	4700.0	66	28129	No
49	GOM_TRA_1PNPDE20070718_050419_000000352060_00019_28129_0266.N1	18-JUL-2007 05:04:19	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	28129	No

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





#### 4. Overview of dark signal processing per product

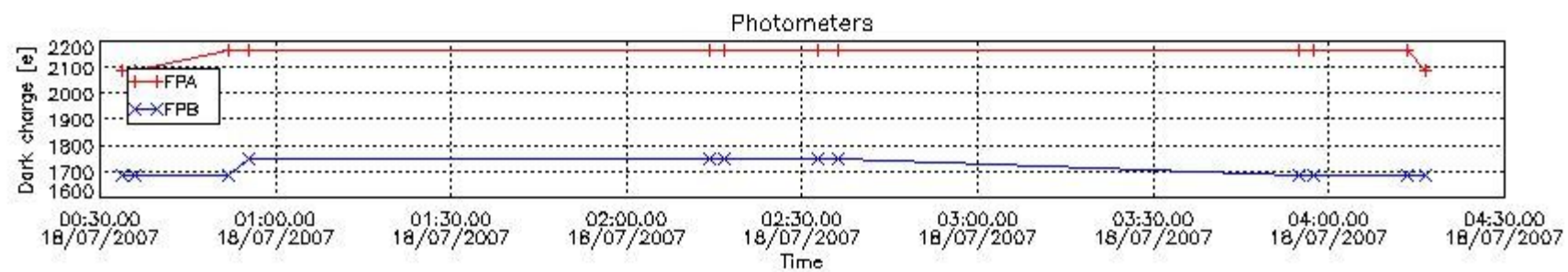
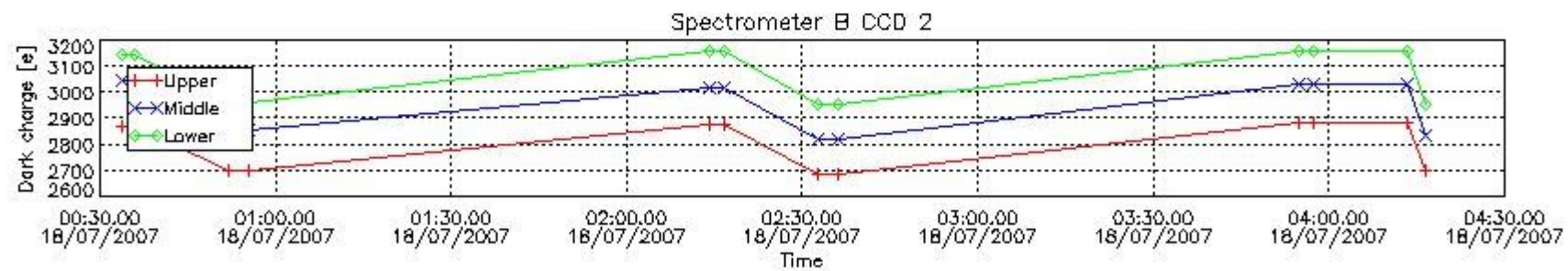
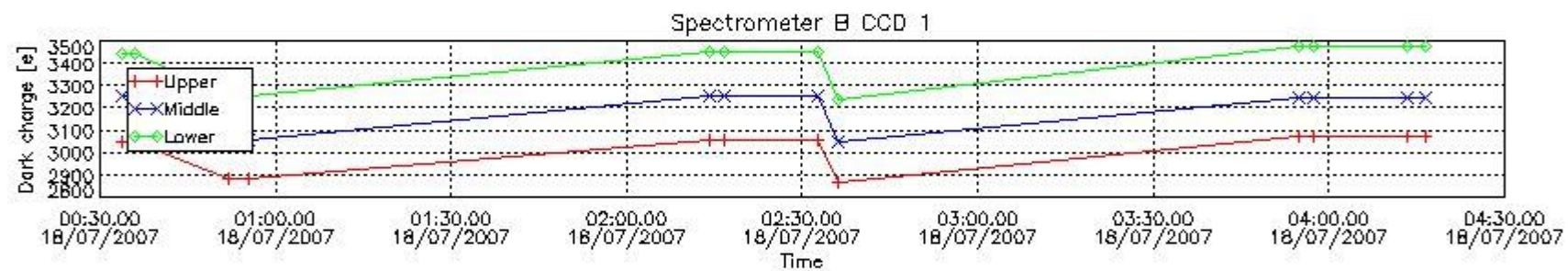
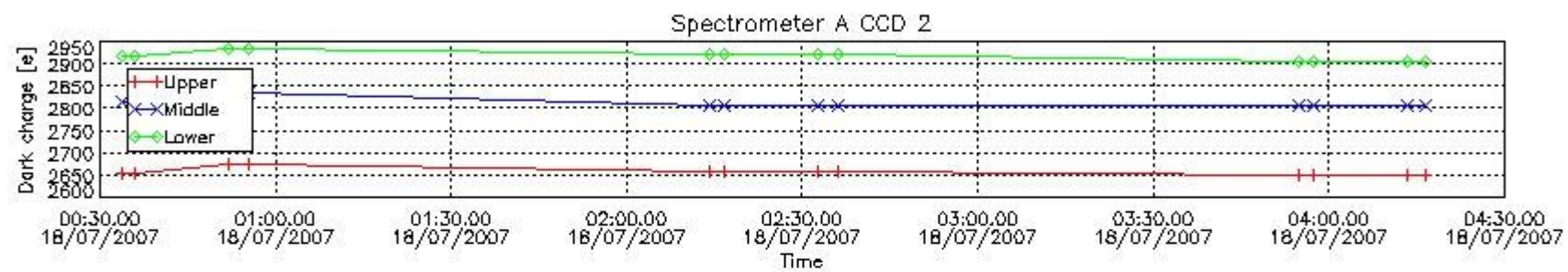
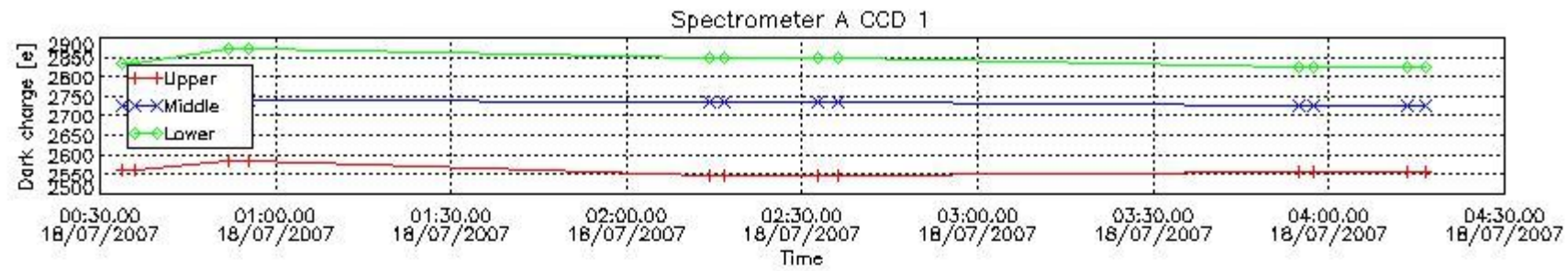
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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*



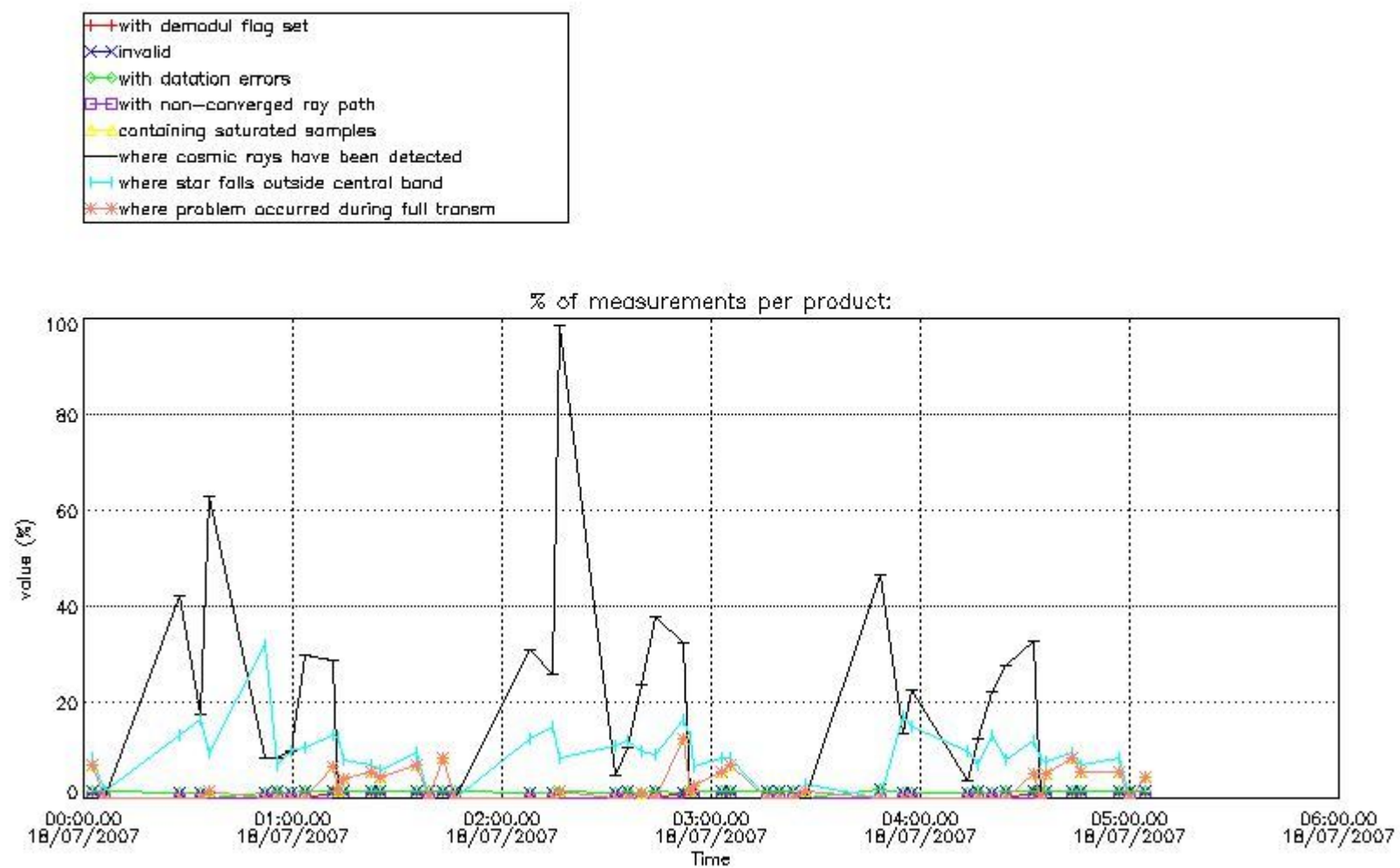
## 5. Demodulation flag and quality information monitoring

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:

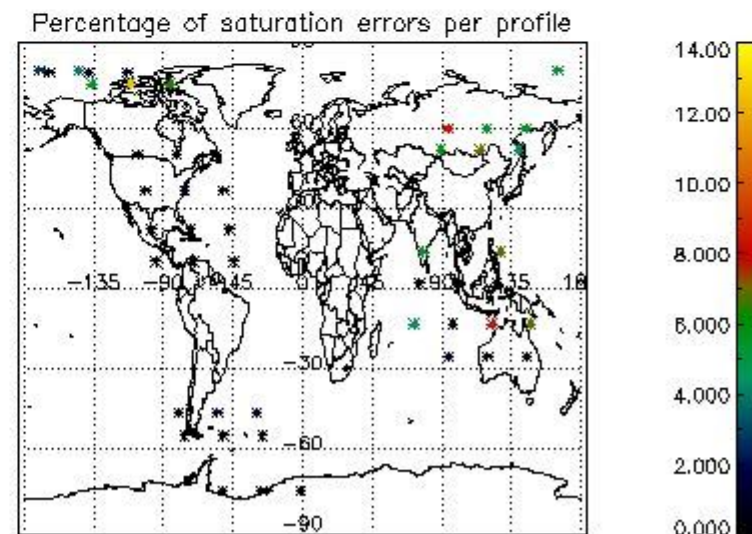
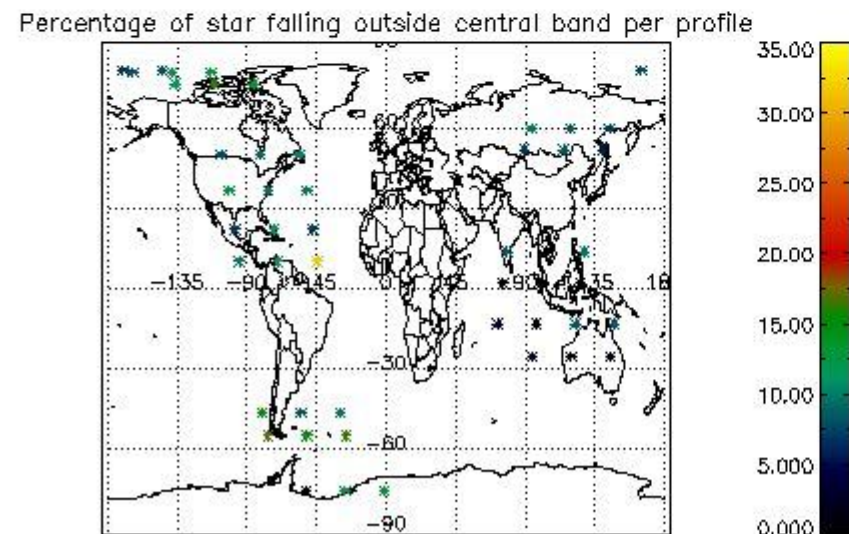
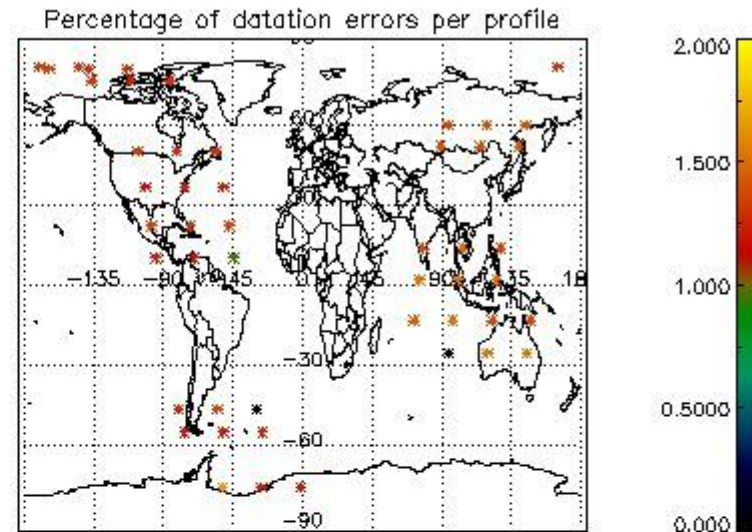
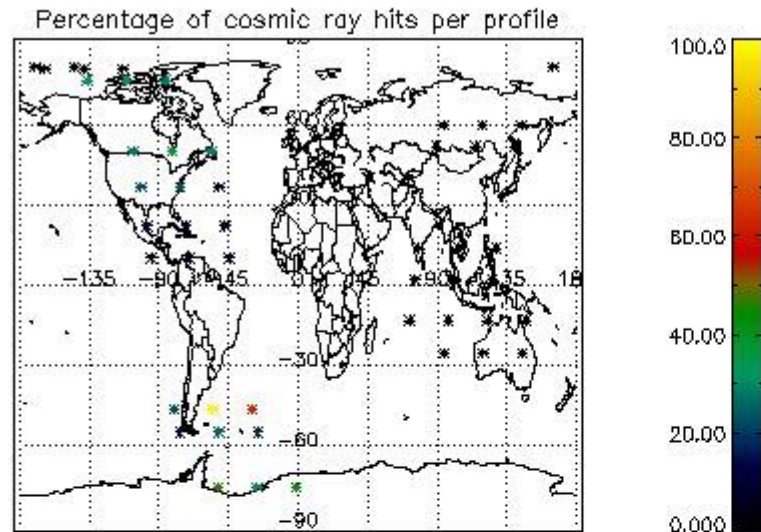
At least one measurement with demodulation flag set:	10.2041 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)





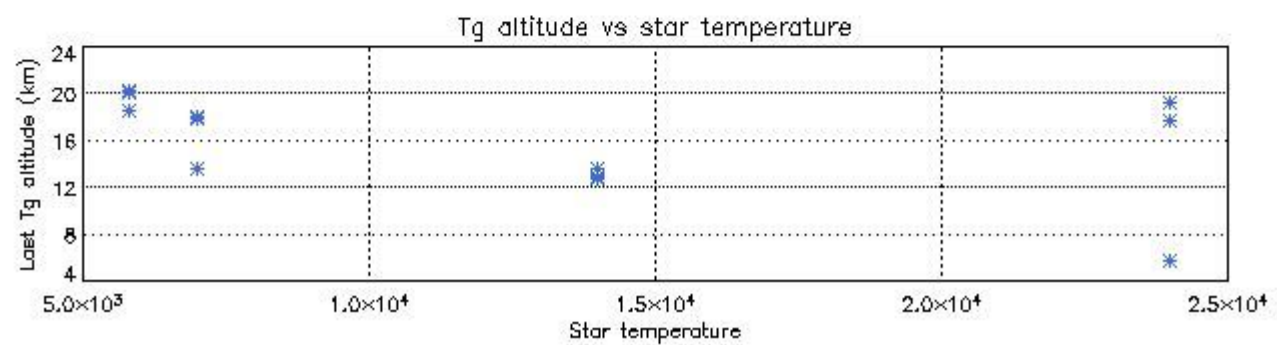
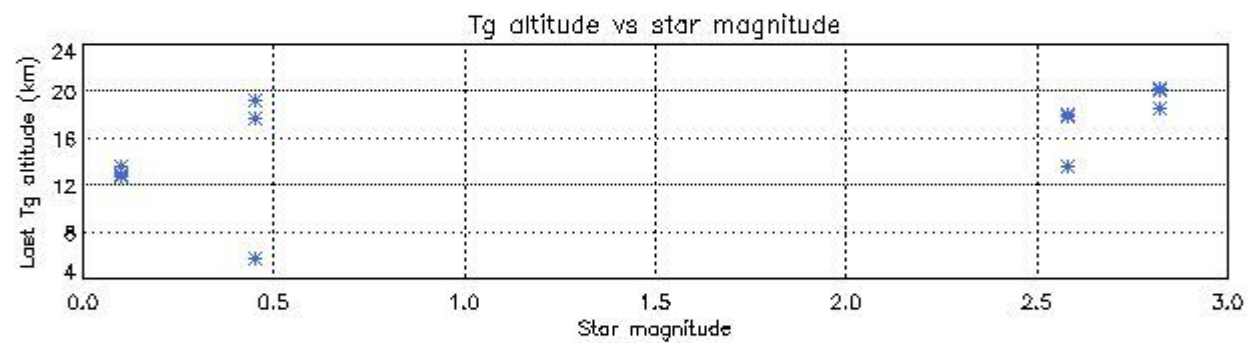
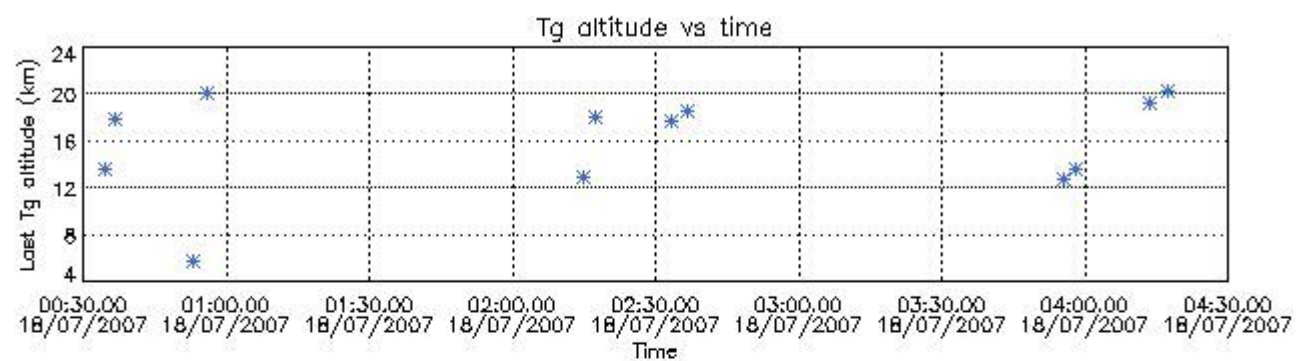
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.844	22.108	23.349
St. deviation:	4.2618	3.9824	14.708
Maximum:	20.221	30.094	40.320
Minimum:	5.6353	16.359	14.327
Number of data:	12.000	25.000	3.0000

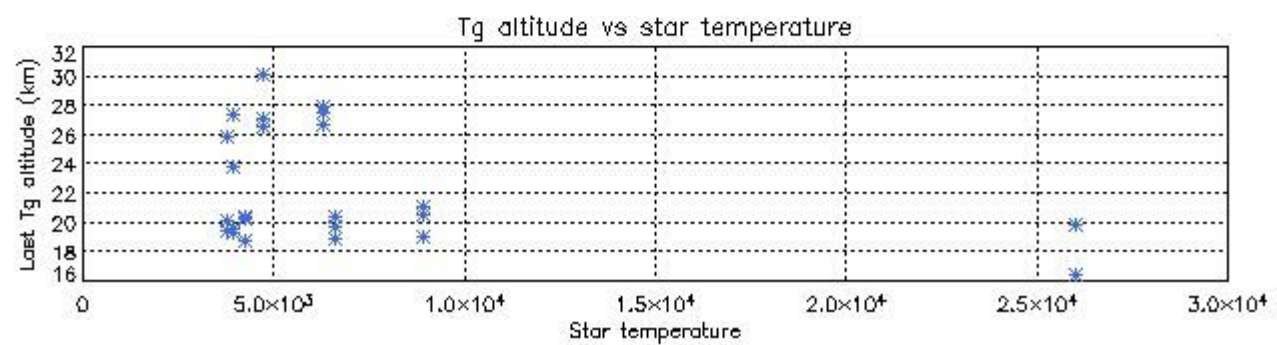
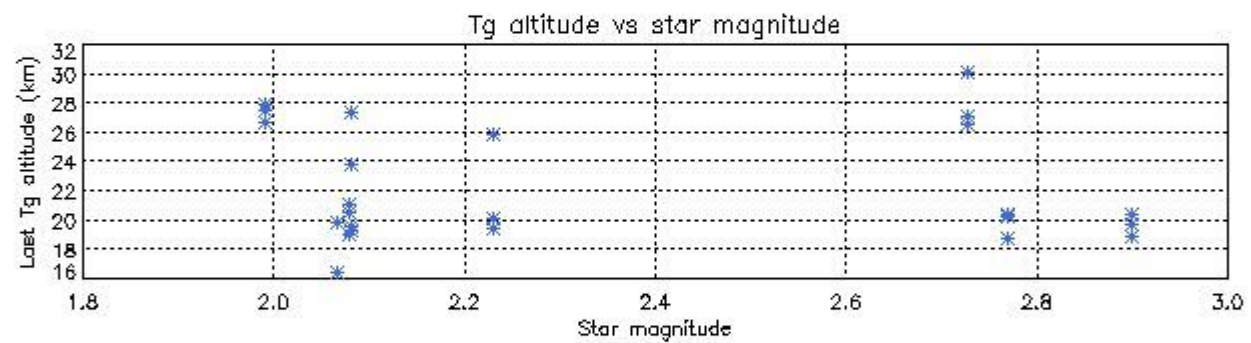
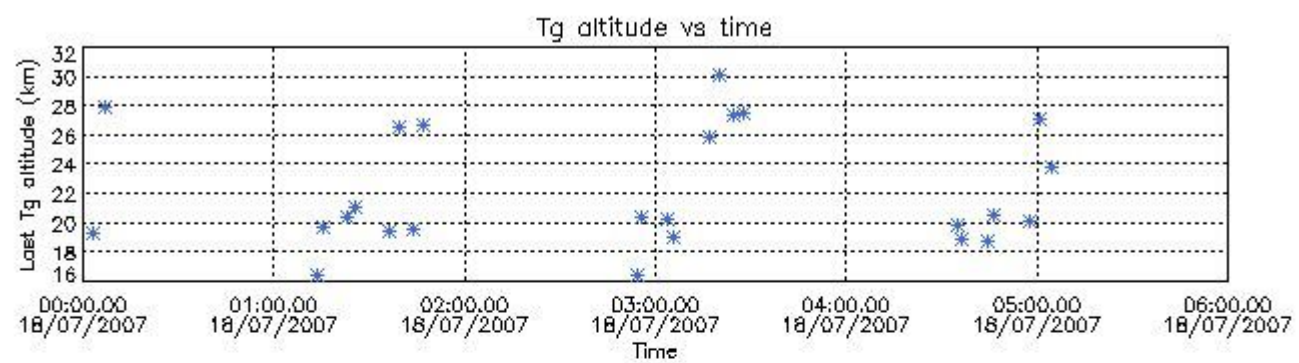
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



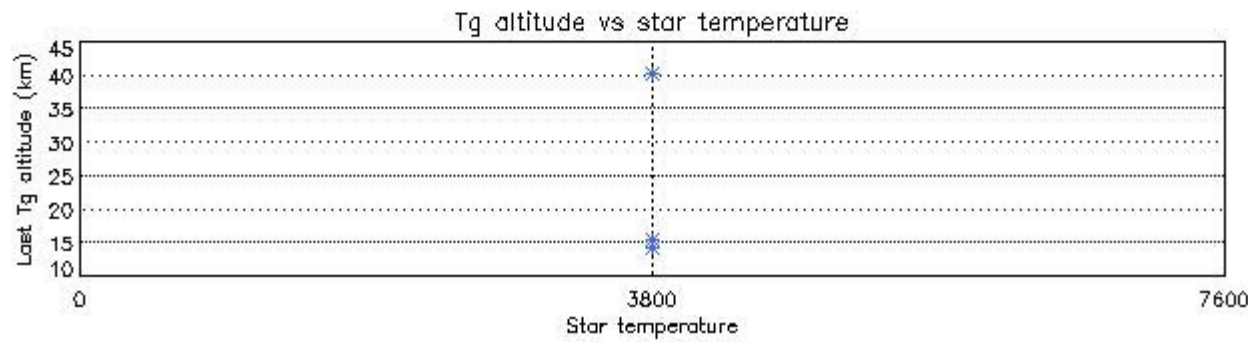
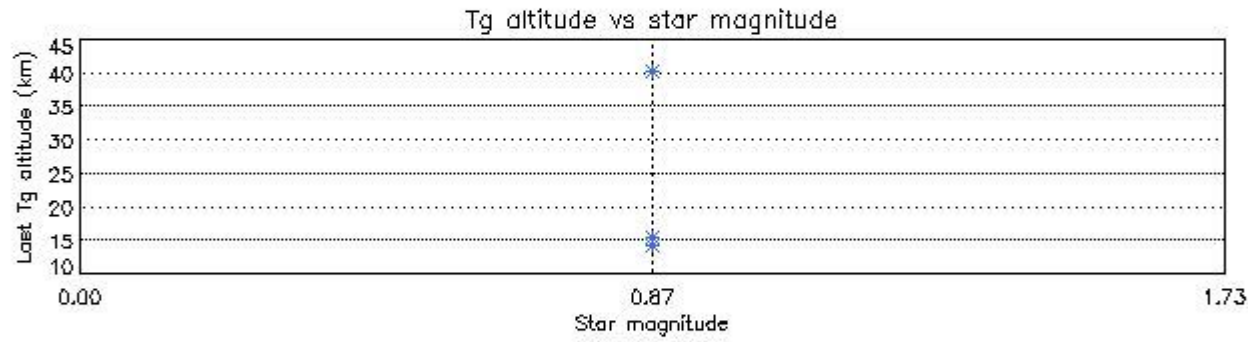
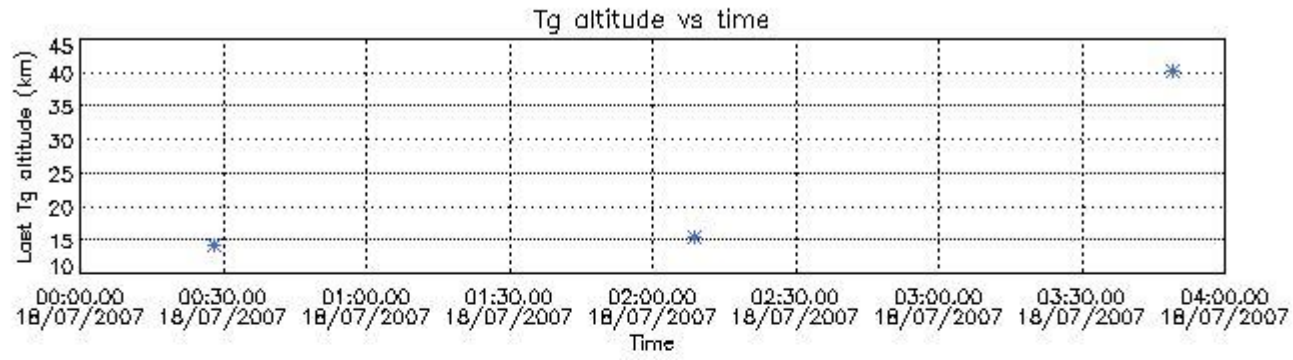
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost



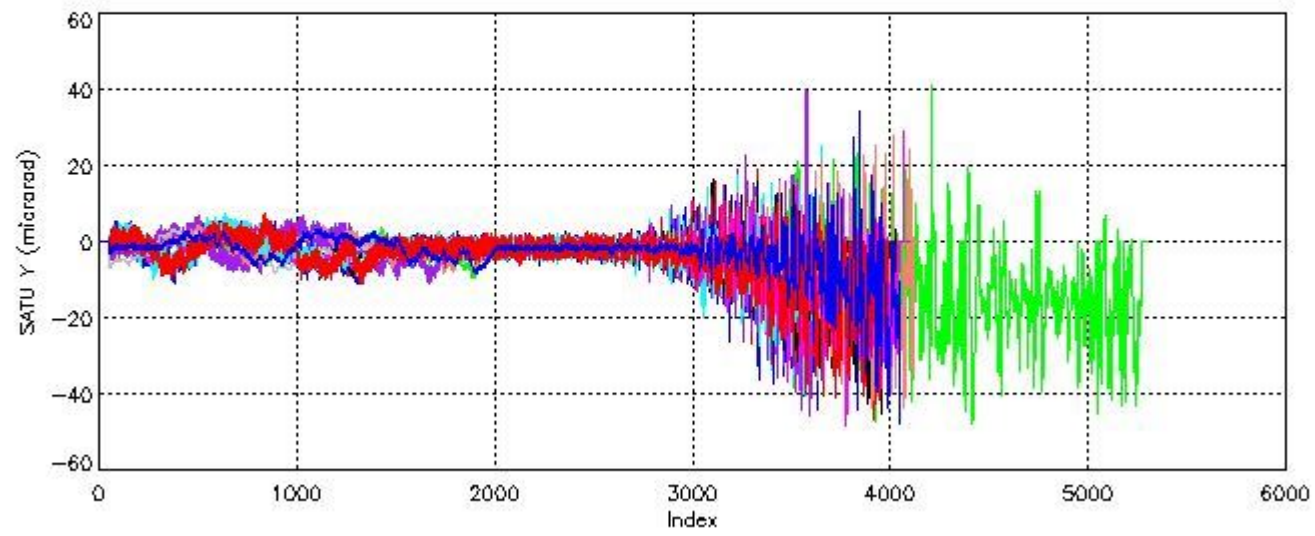
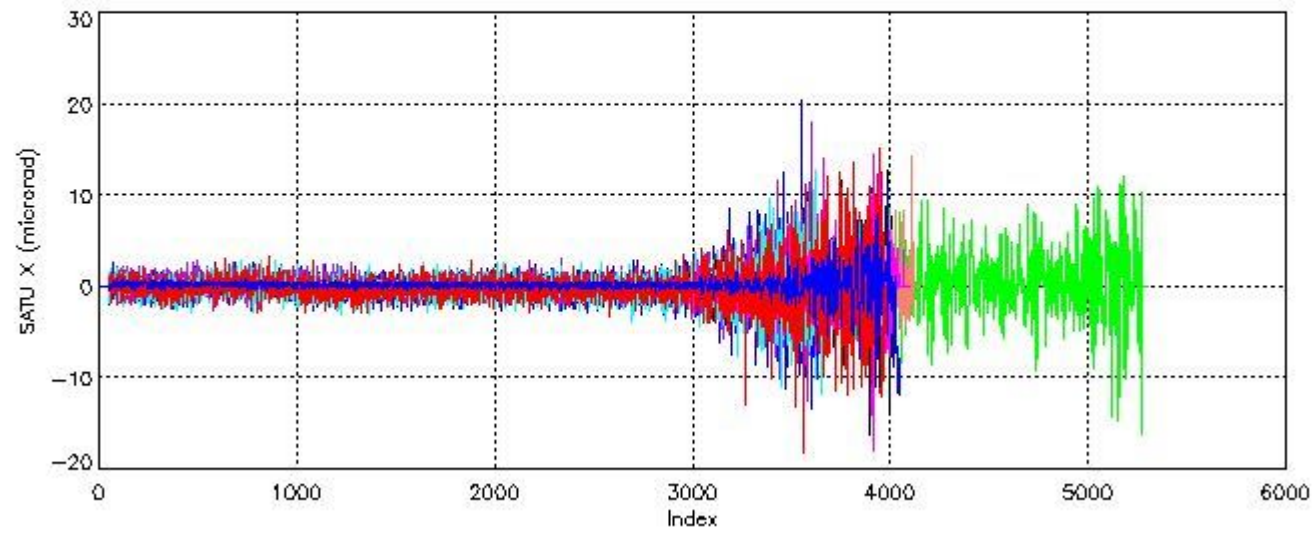
## 7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

### 7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.





## 7.2 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 (in microradians) 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.

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.031638	-0.93042	0.041156	-1.0573
St. deviation:	0.53950	2.8167	0.65067	2.8324
Maximum:	3.0000	7.5000	3.8000	7.8000
Minimum:	-3.0000	-11.000	-3.5000	-10.400

Number of data:	10400.	10400.	20500.	20500.
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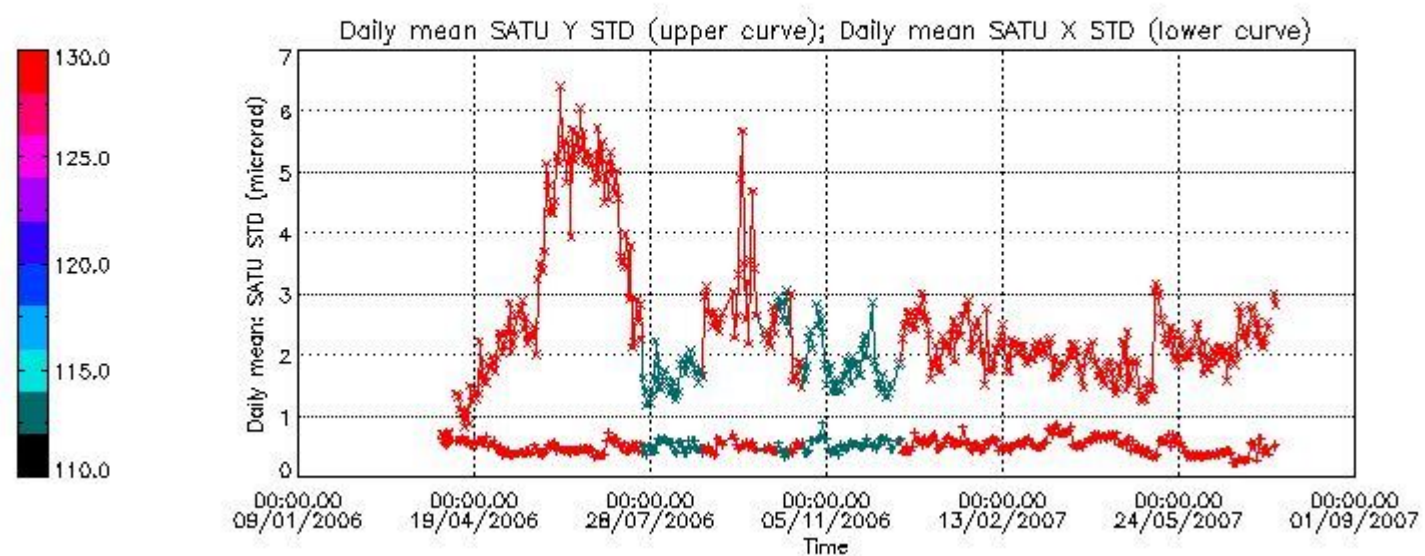
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

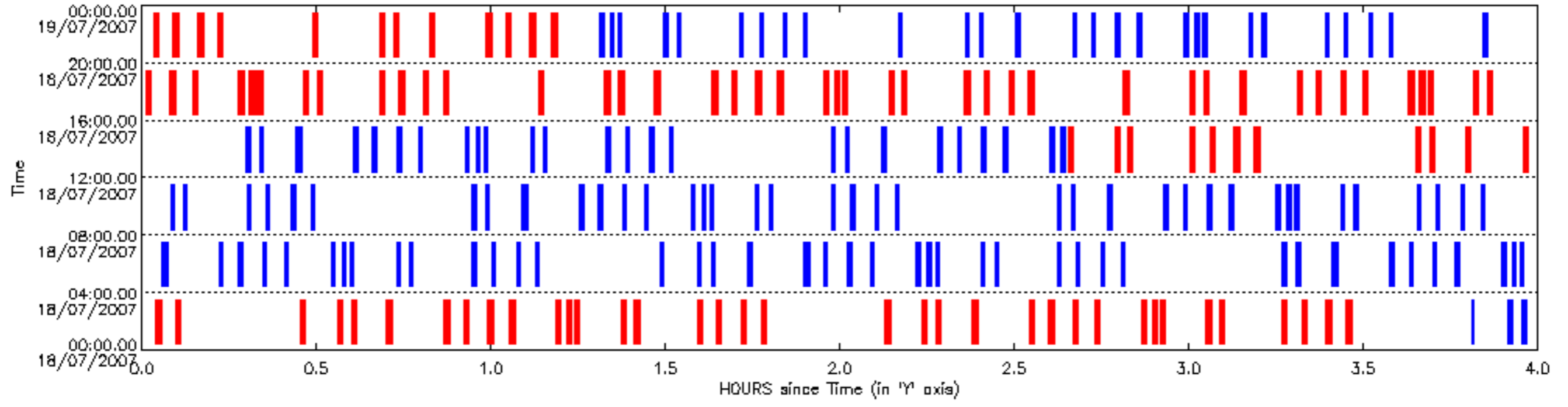
Lower curve: STD of SATU X axis

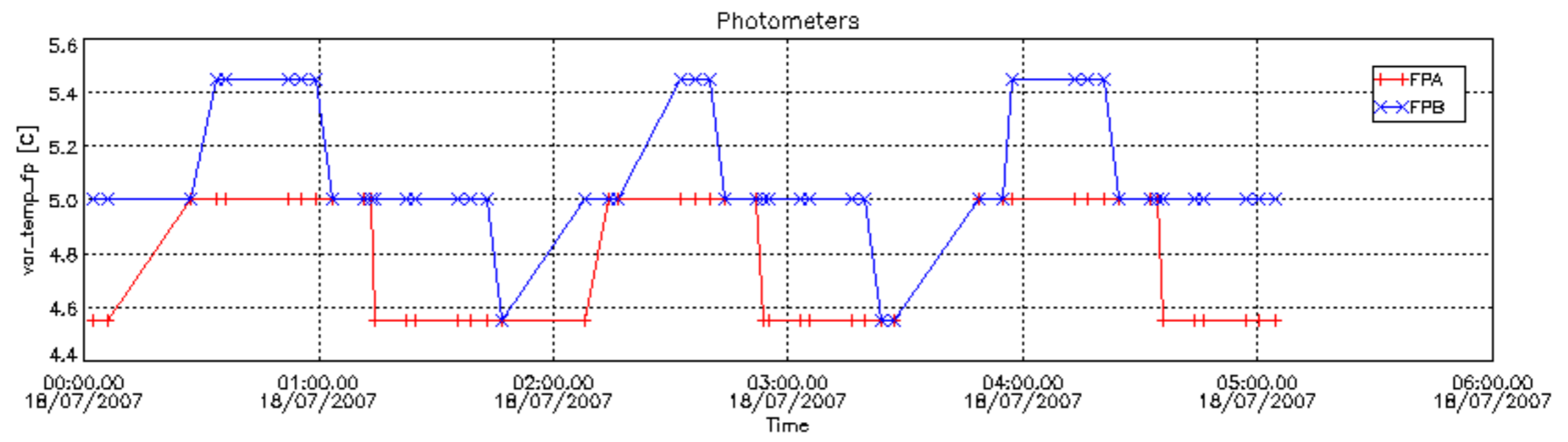
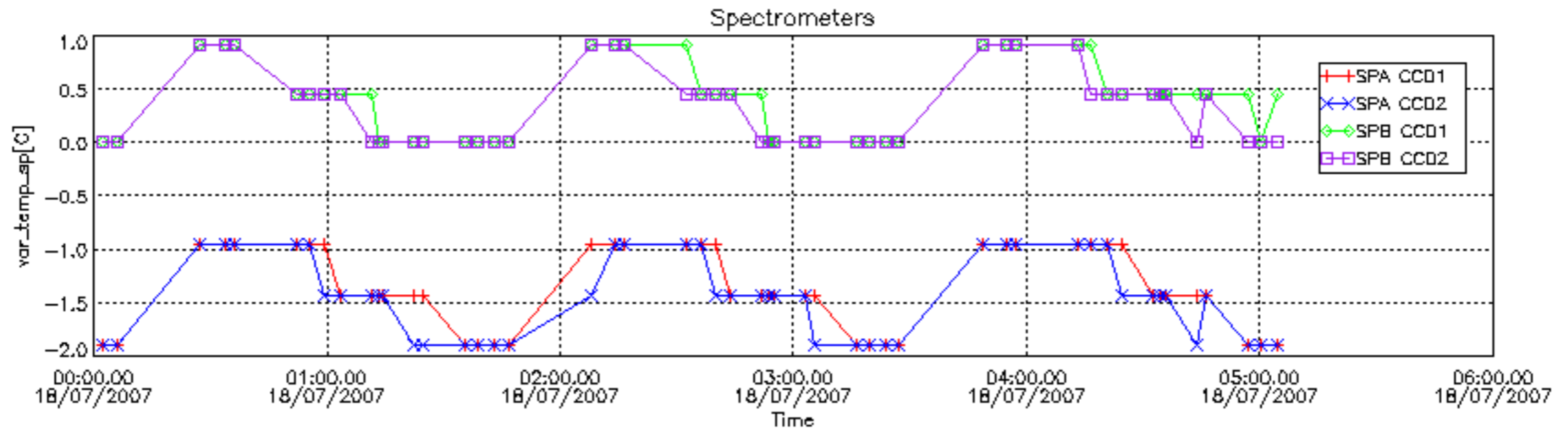


### 8. Auxiliary Data Files used for the production reported in section 2.4

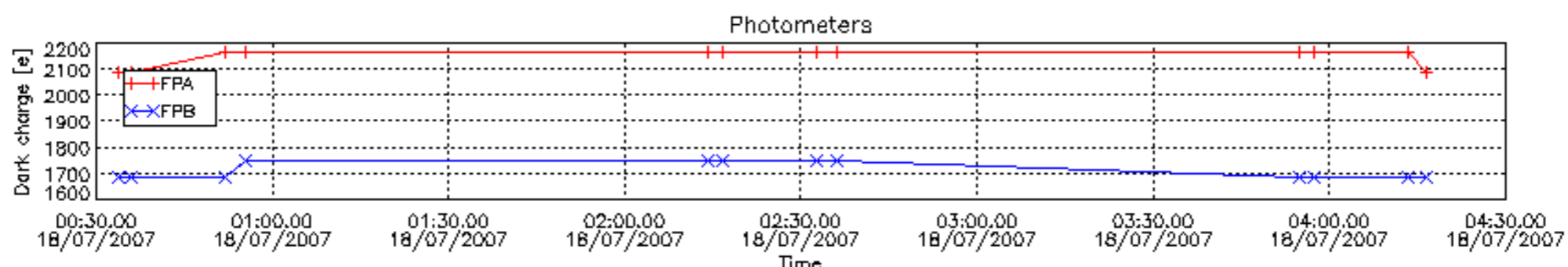
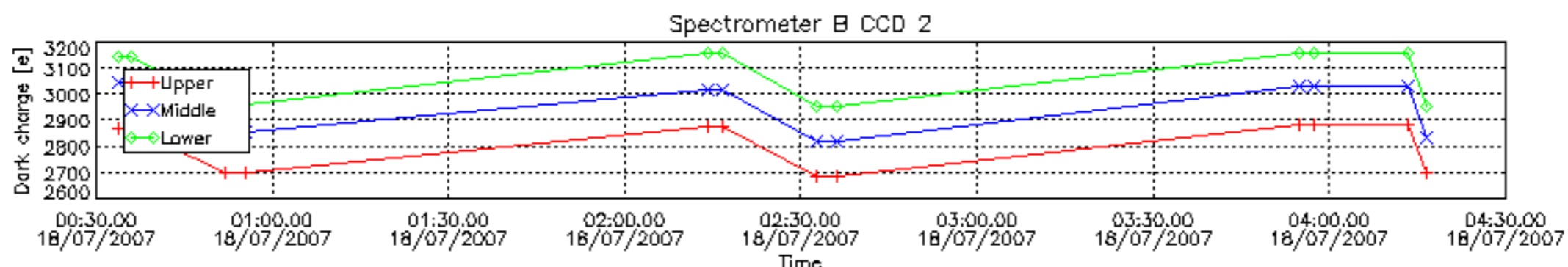
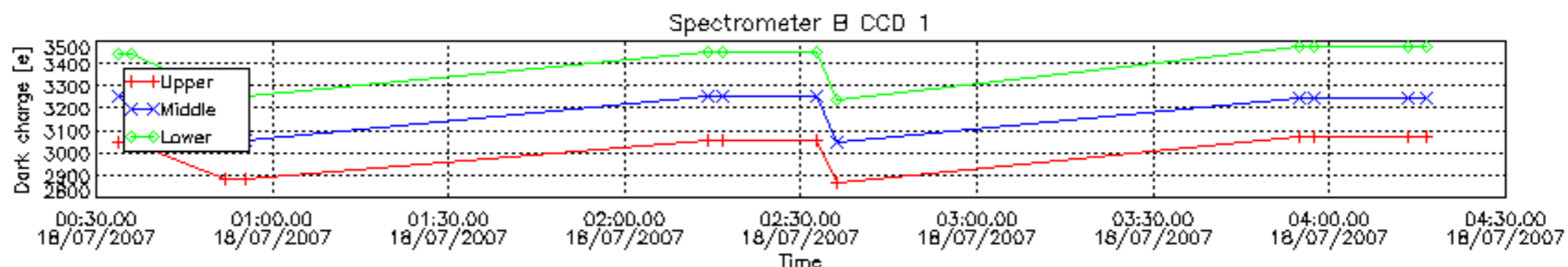
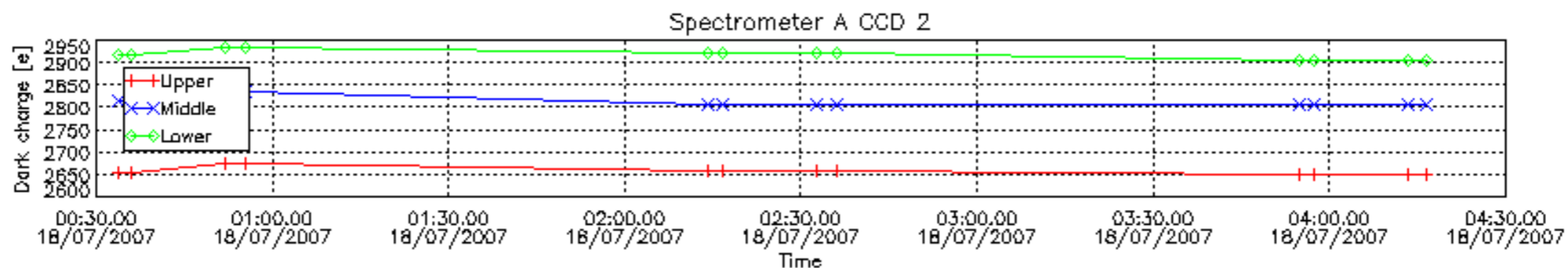
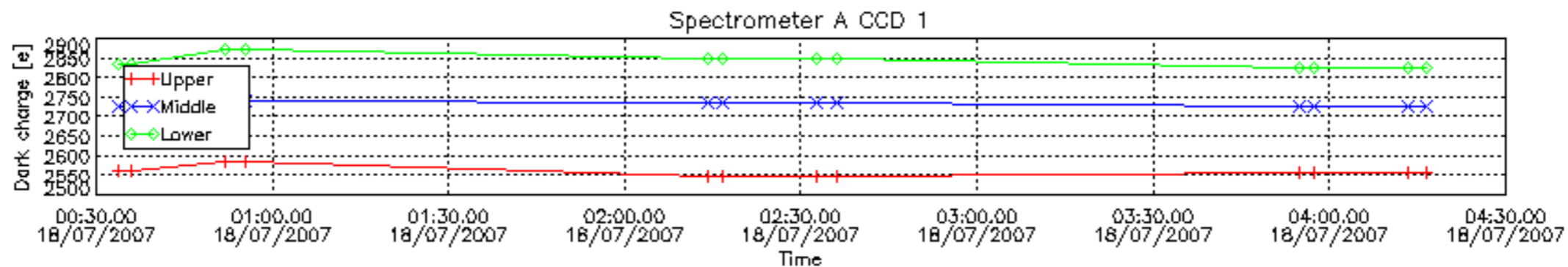
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	18-JUL-2007 00:02:31
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20070713_071616_20070710_000000_20100101_000000	1	18-JUL-2007 00:02:31
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	18-JUL-2007 00:02:31
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	18-JUL-2007 00:02:31
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	18-JUL-2007 00:02:31
ECMWF_FILE	AUX_ECF_AXNECM20070717_062111_20070717_210000_20070718_090000	1	18-JUL-2007 00:02:31
ECMWF_FILE	AUX_ECF_AXNECM20070717_181112_20070718_030000_20070718_150000	35	18-JUL-2007 03:48:33
OPTIONAL_ECMWF_FILE	MISSING	1	18-JUL-2007 00:02:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070717_211319_000057382060_00014_28124_3796.N1	1	18-JUL-2007 00:02:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070717_225416_000057382060_00015_28125_3797.N1	6	18-JUL-2007 00:52:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070718_003513_000054192060_00016_28126_3798.N1	20	18-JUL-2007 02:14:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070718_021052_000041442060_00017_28127_3799.N1	35	18-JUL-2007 03:48:33



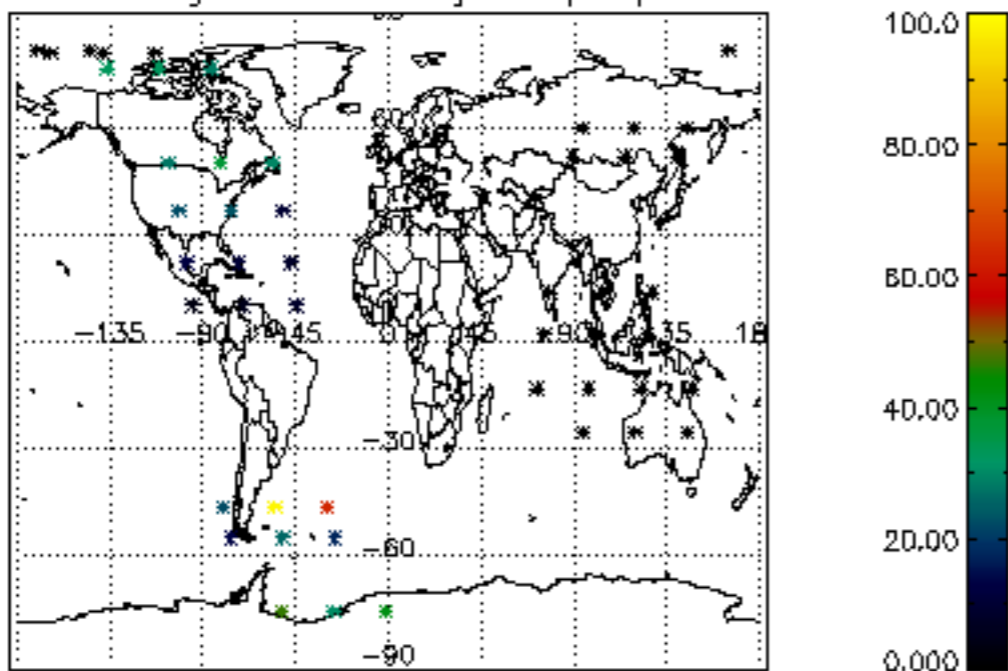




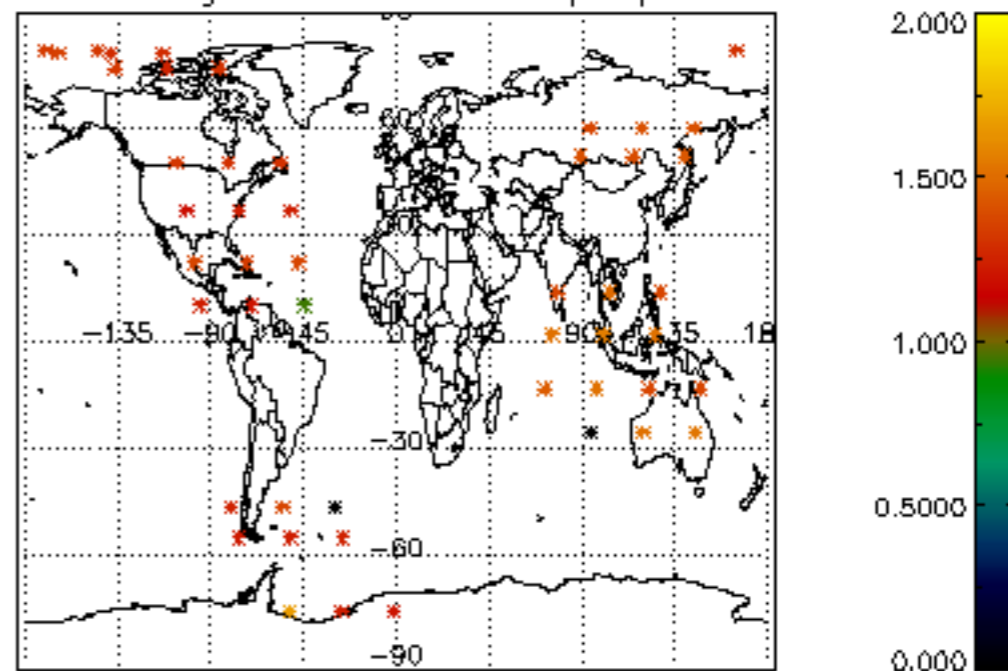




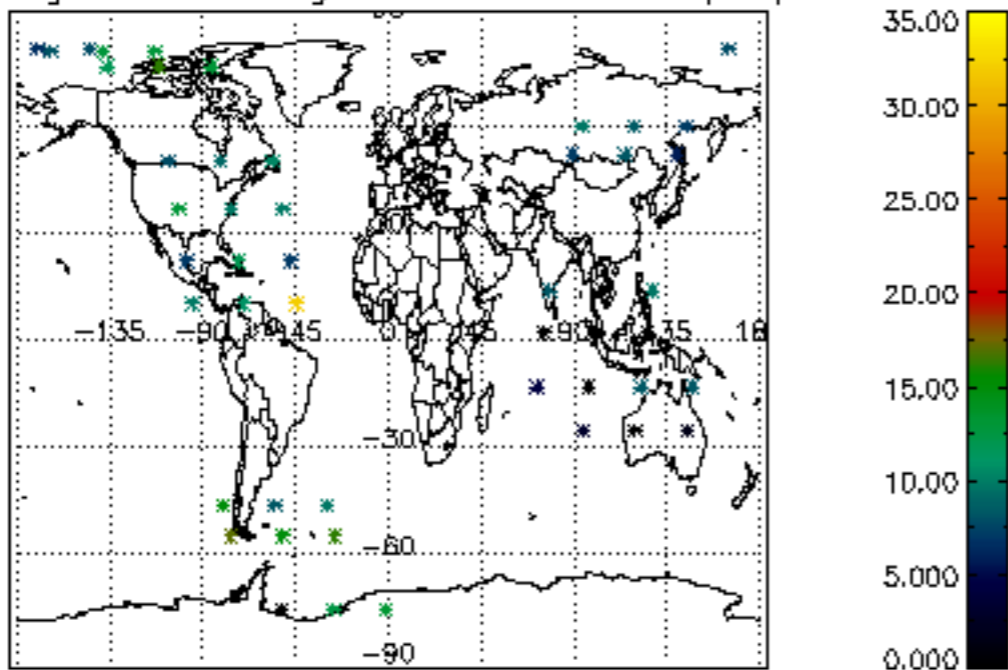
Percentage of cosmic ray hits per profile



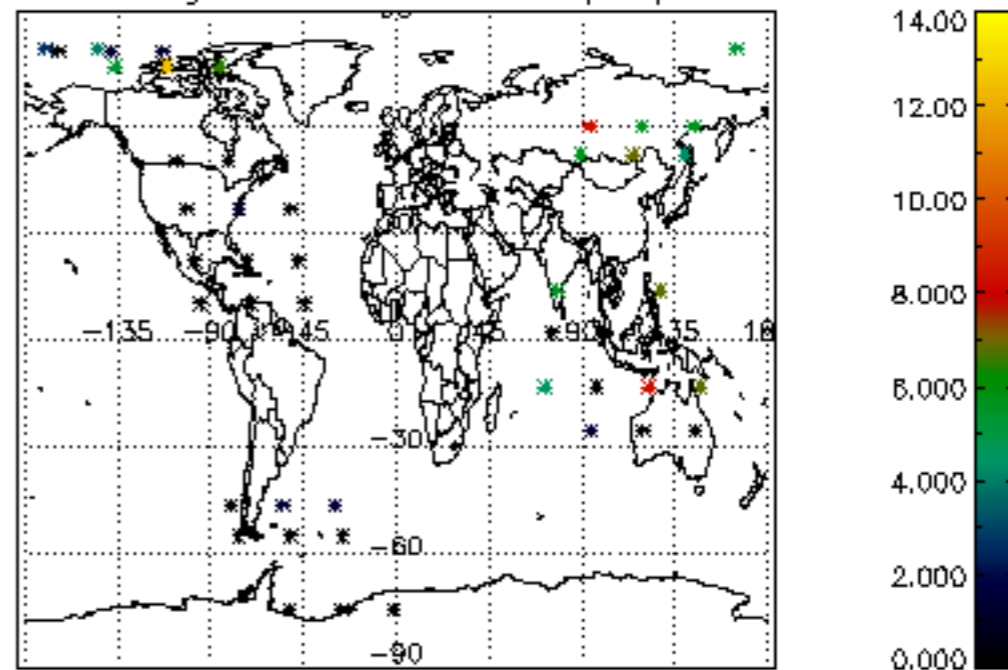
Percentage of datation errors per profile



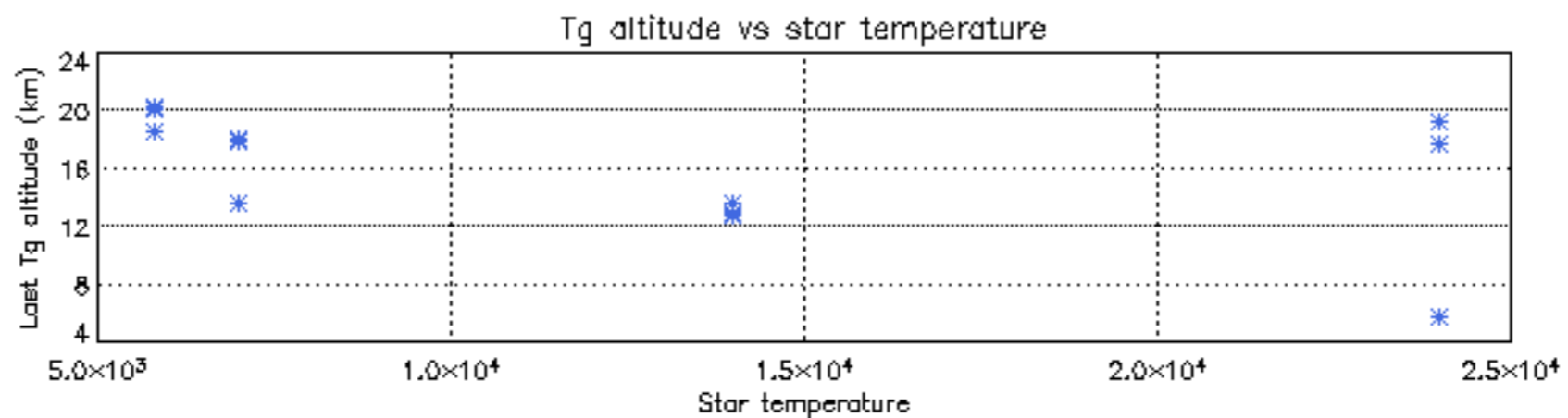
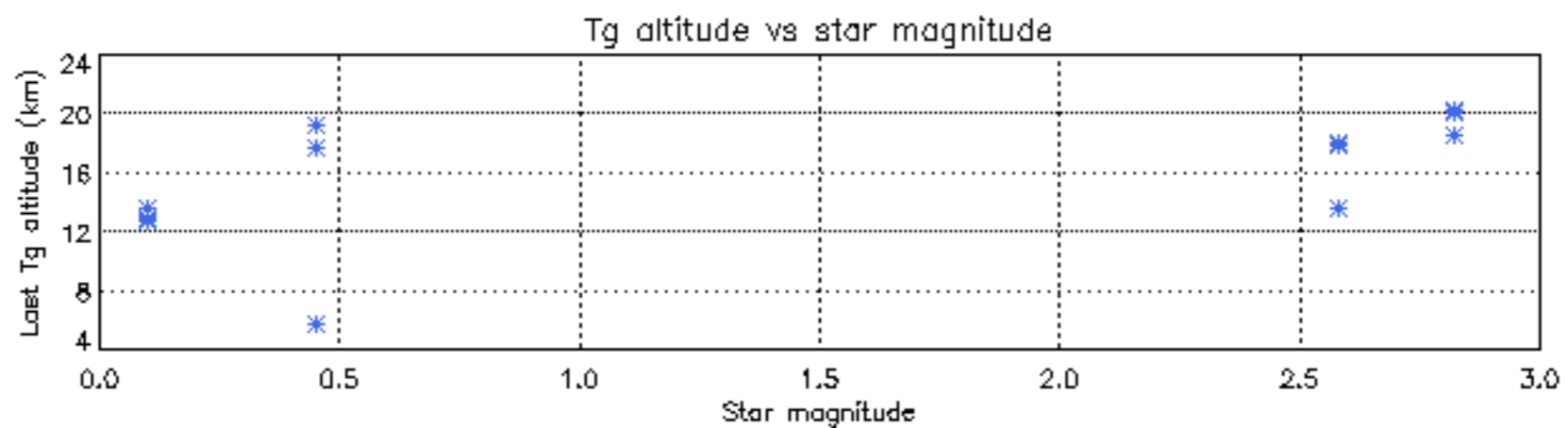
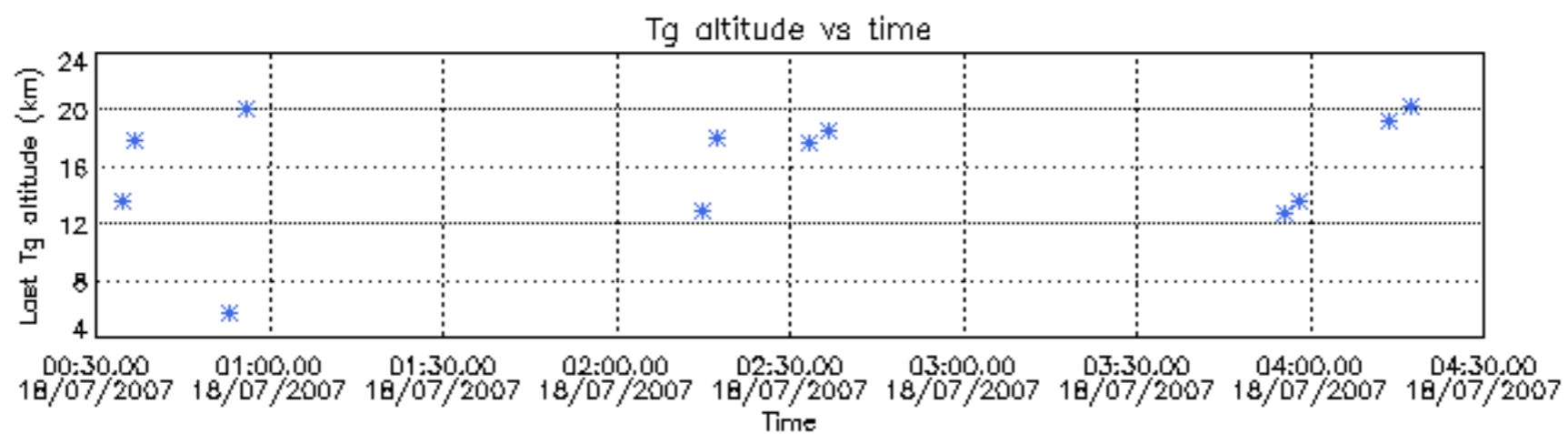
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

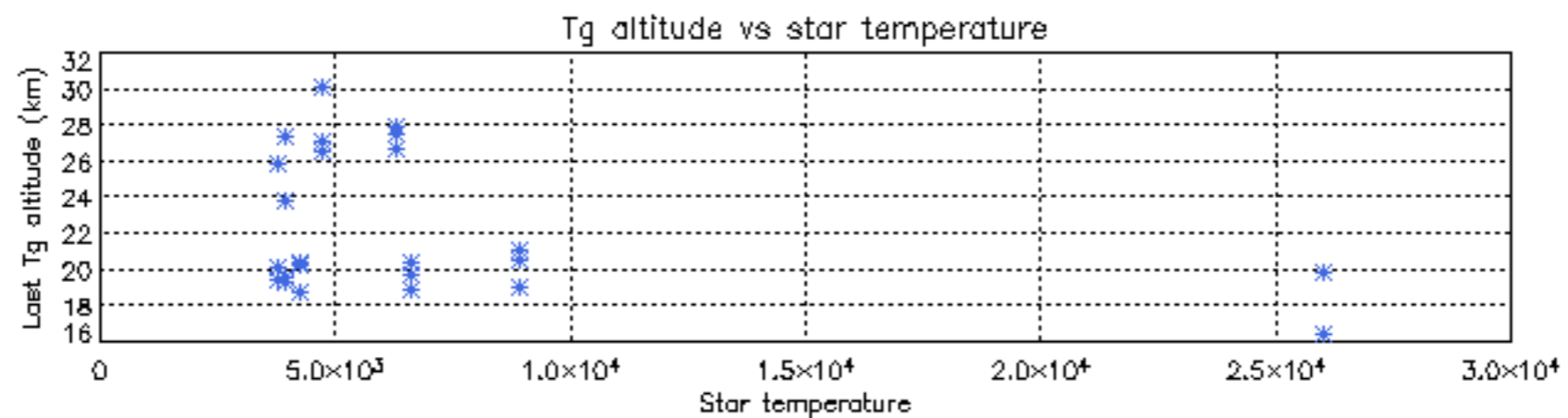
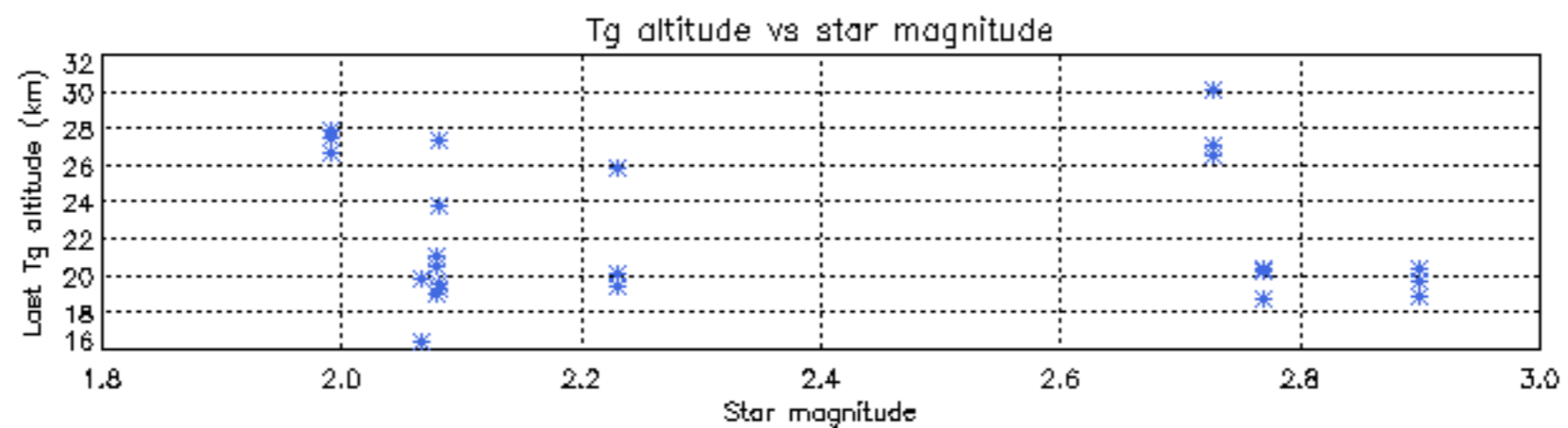
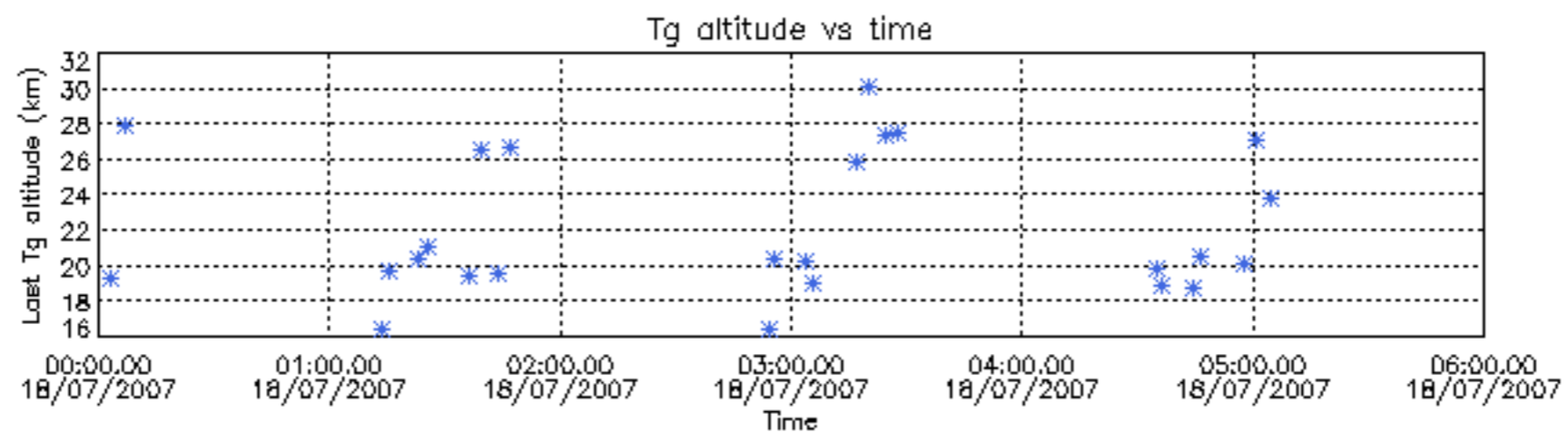


Tangent altitude at which the star is lost

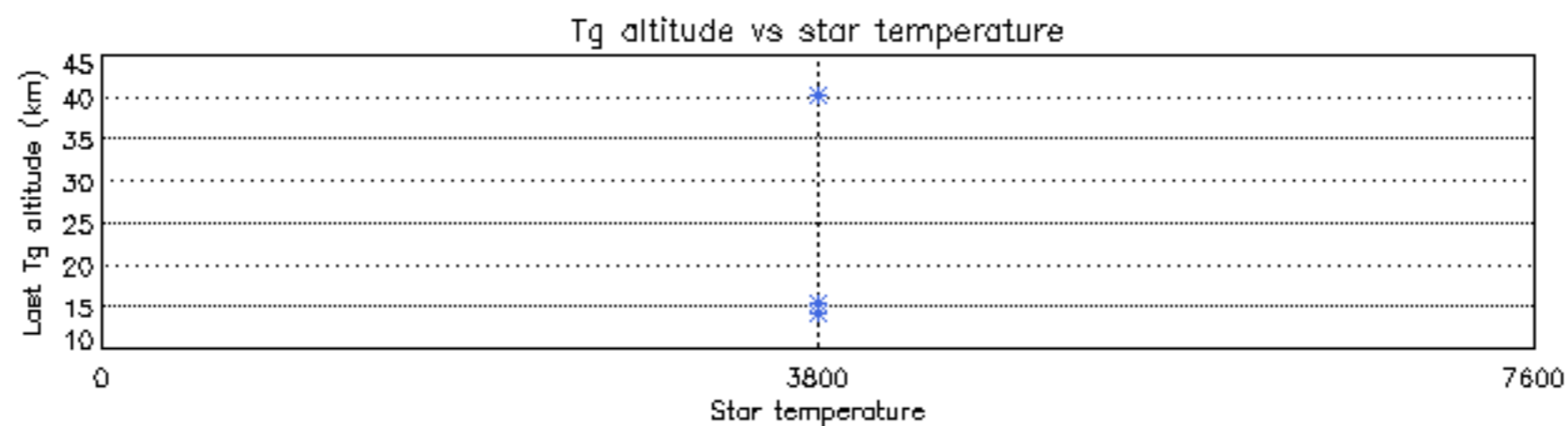
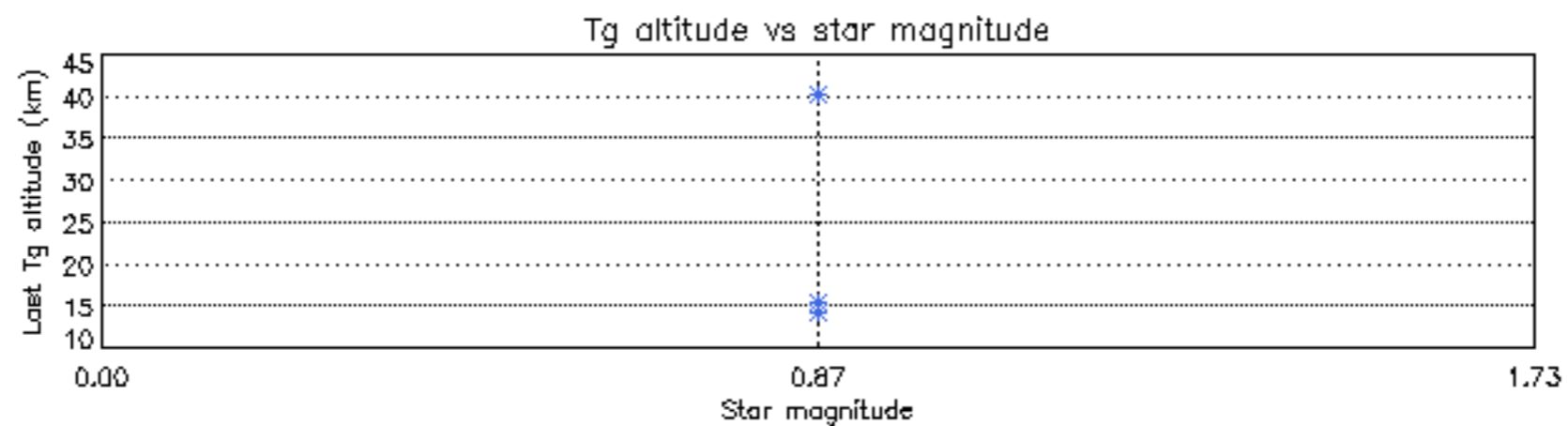
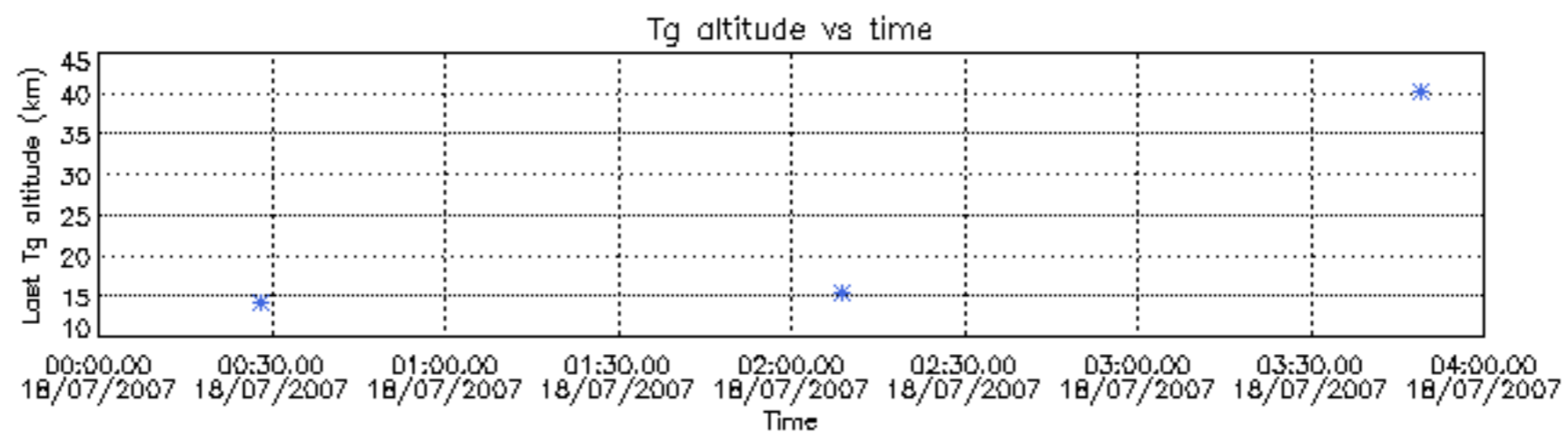


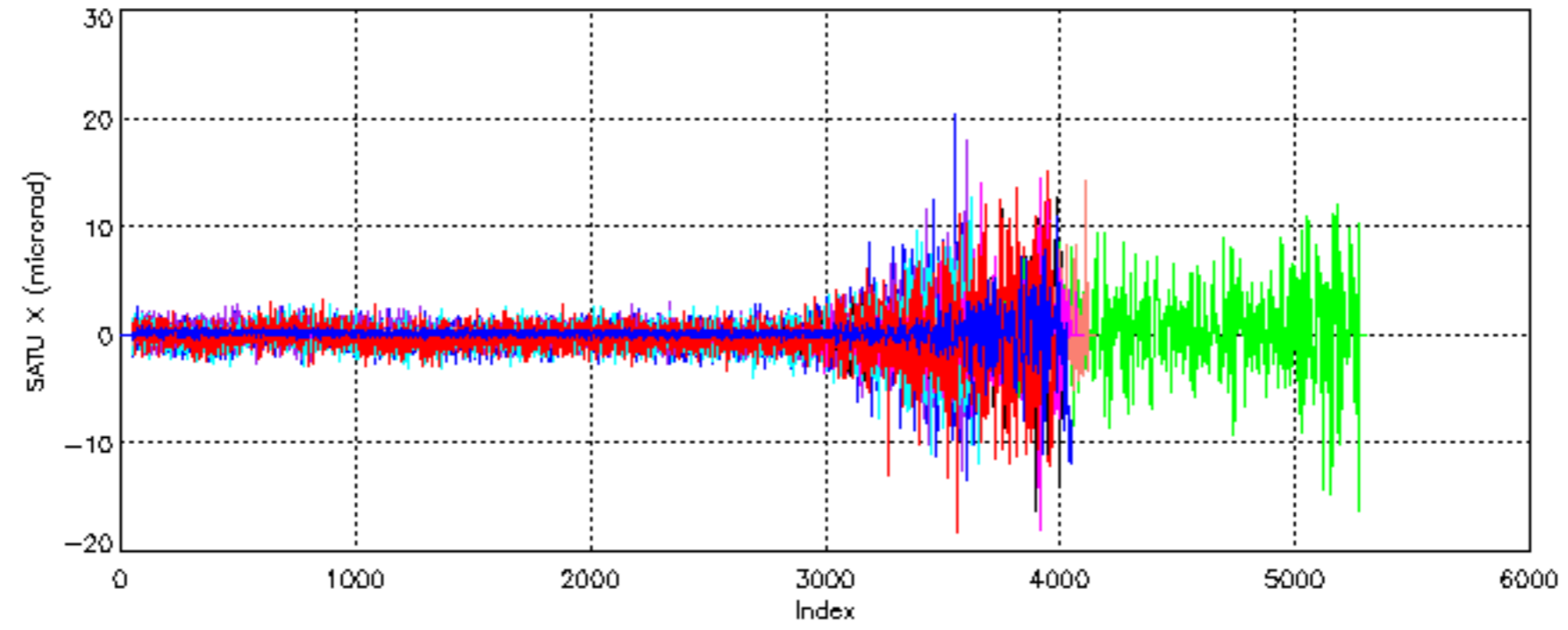


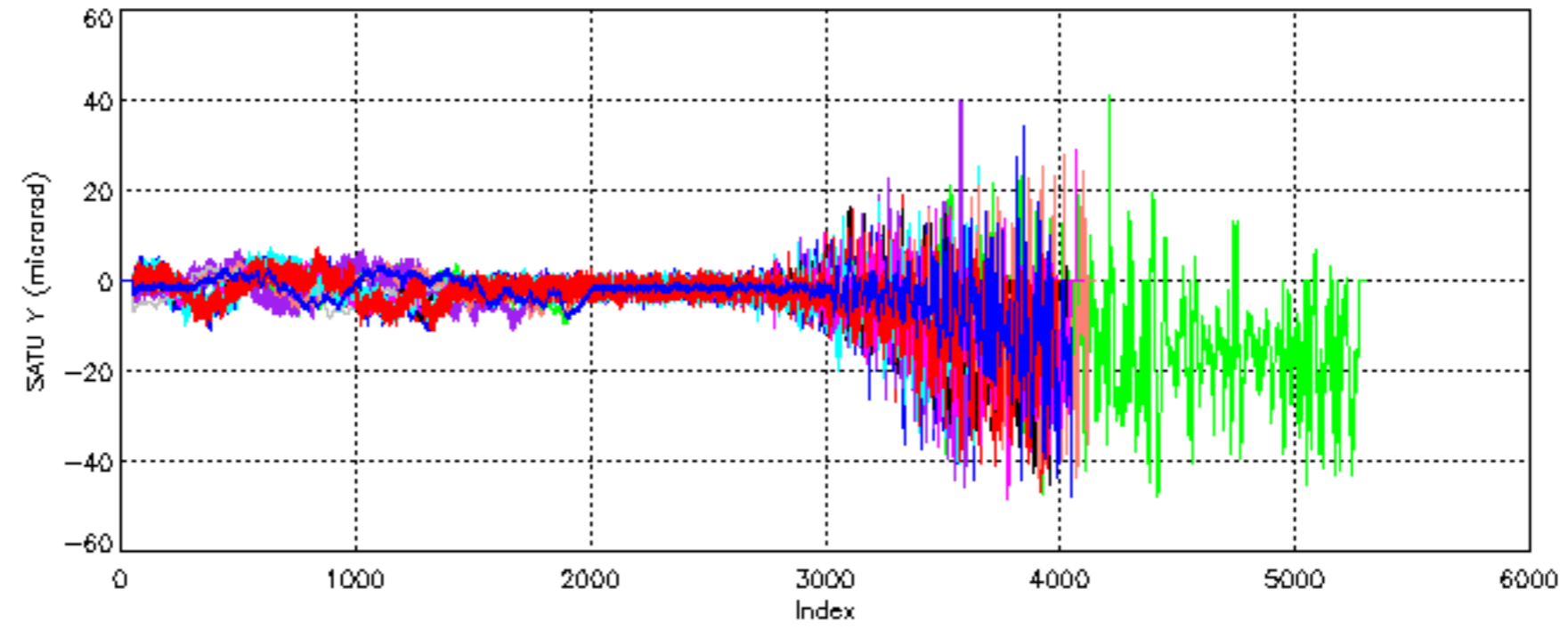
Tangent altitude at which the star is lost

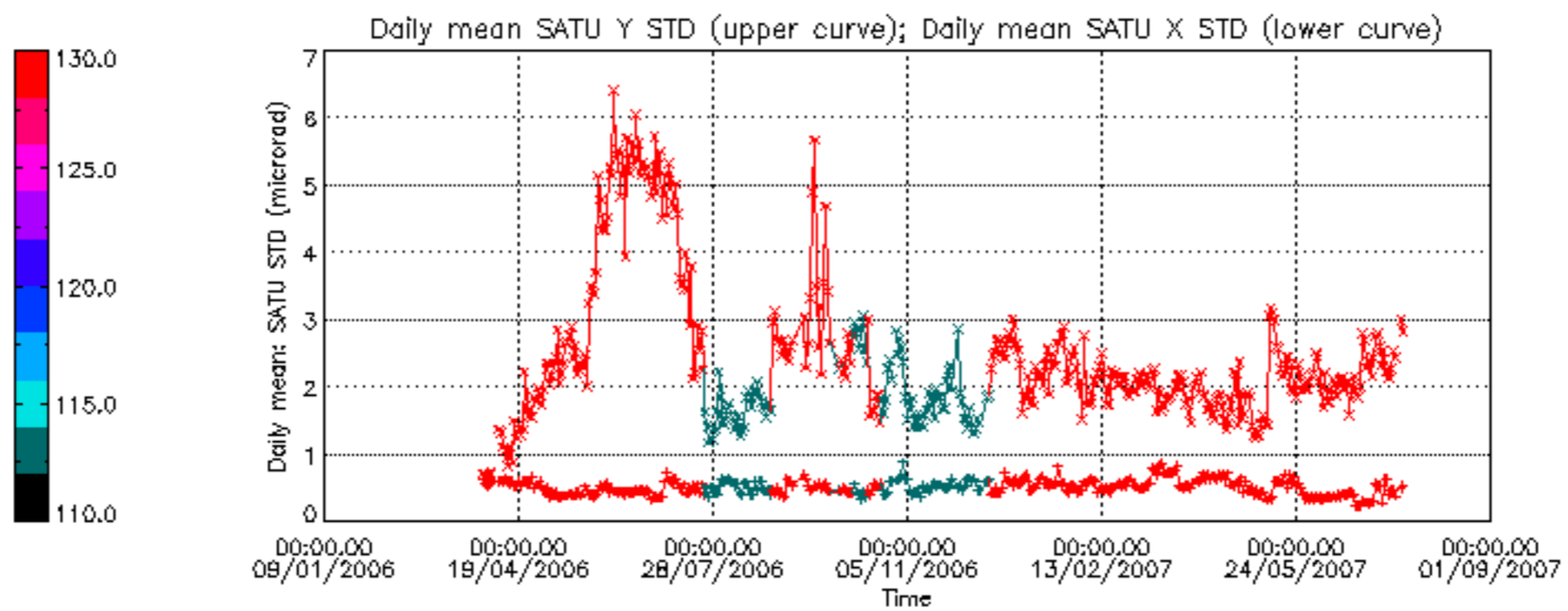


Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20070701\_010945\_000043172059\_00274\_27883\_3884.N1

1; -836.3; 01-JUL-2007 01:09:45; Dark ; 37.0; 165; 34Gam Eri ; 2.95; 3200;occ; 74; 0;27883  
 2; -323.4; 01-JUL-2007 01:18:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;27883  
 3; 33.5; 01-JUL-2007 01:24:15; Dark ; 48.5; 9; Alp Eri ; 0.45; 24000;occ; 97; 0;27884  
 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  
 12; 2122.3; 01-JUL-2007 01:59:04; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;27884  
 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  
 18; 3445.4; 01-JUL-2007 02:21:07; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;27884

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20070701\_023125\_000054512059\_00275\_27884\_3885.N1

1; -1972.4; 01-JUL-2007 02:31:25; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;27884  
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 3; -836.2; 01-JUL-2007 02:50:21; Dark ; 40.5; 165; 34Gam Eri ; 2.95; 3200;occ; 81; 0;27884  
 4; -322.8; 01-JUL-2007 02:58:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;27884  
 5; 34.1; 01-JUL-2007 03:04:51; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;27885  
 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  
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 11; 1354.8; 01-JUL-2007 03:26:52; Dark ; 53.0; 116; 19Del Sgr ; 2.70; 4100;occ; 106; 0;27885  
 12; 1642.3; 01-JUL-2007 03:31:39; Bright; 36.0; 86; 35Eta Oph ; 2.43; 10200;occ; 72; 0;27885  
 13; 1982.3; 01-JUL-2007 03:37:19; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;27885  
 14; 2122.4; 01-JUL-2007 03:39:40; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;27885  
 15; 2283.4; 01-JUL-2007 03:42:20; Bright; 34.5; 127; 27Bet Her ; 2.78; 4700;occ; 69; 0;27885  
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 18; 2952.5; 01-JUL-2007 03:53:30; Bright; 33.0; 119; 14Eta Dra ; 2.73; 4700;occ; 66; 0;27885  
 19; 3191.1; 01-JUL-2007 03:57:28; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;27885  
 20; 3445.4; 01-JUL-2007 04:01:43; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;27885

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1; -1972.6; 01-JUL-2007 04:12:00; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;27885  
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 5; 34.6; 01-JUL-2007 04:45:28; Dark ; 40.5; 9; Alp Eri ; 0.45; 24000;occ; 81; 0;27886  
 6; 481.7; 01-JUL-2007 04:52:55; Dark ; 44.0; 148; Alp Tuc ; 2.88; 4100;occ; 88; 0;27886  
 7; 743.9; 01-JUL-2007 04:57:17; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;27886  
 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  
 10; 1270.5; 01-JUL-2007 05:06:04; Dark ; 38.5; 25; 35Lam Sco ; 1.62; 28000;occ; 77; 0;27886  
 11; 1355.1; 01-JUL-2007 05:07:28; Dark ; 55.0; 116; 19Del Sgr ; 2.70; 4100;occ; 110; 0;27886  
 12; 1642.5; 01-JUL-2007 05:12:16; Bright; 36.0; 86; 35Eta Oph ; 2.43; 10200;occ; 72; 0;27886  
 13; 1982.2; 01-JUL-2007 05:17:55; Bright; 36.5; 126; 60Bet Oph ; 2.77; 4250;occ; 73; 0;27886  
 14; 2122.4; 01-JUL-2007 05:20:16; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;27886  
 15; 2283.5; 01-JUL-2007 05:22:57; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;27886  
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16; 6236.6; 23-JUL-2007 15:00:27; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;28206
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20070723\_151955\_000055822060\_00097\_28207\_8411.N1

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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20070724\_005425\_000054042060\_00102\_28212\_4020.N1

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17; 6252.7; 25-JUL-2007 17:18:41; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;28236
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4; 402.4; 26-JUL-2007 01:44:46; Dark ; 37.5; 135; Bet Hyi ; 2.82; 5800;occ; 75; 0;28242
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