

GOMOS Daily Report 31-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	02AUG2007 05:51:14
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (31JUL2007 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (01AUG2007 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	48
Nb of prods with errors	0

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

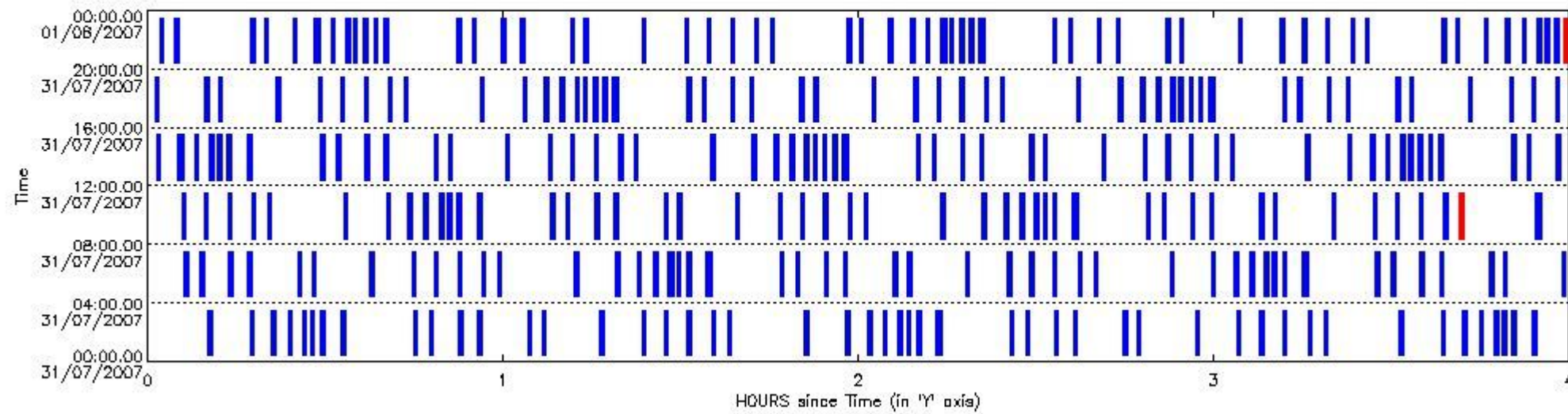
2.1 Level 0 products arrived in PCF (see template [here](#))

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
31-JUL-2007 00:10:01	34BetAur	42	28312
31-JUL-2007 00:17:05	23ZetTau	176	28312
31-JUL-2007 00:20:44	58AlpOri	14	28312
31-JUL-2007 00:23:28	46EpsOri	30	28312
31-JUL-2007 00:25:54	19BetOri	7	28312
31-JUL-2007 00:27:22	2BetCMa	47	28312
31-JUL-2007 00:29:00	9BetLep	139	28312
31-JUL-2007 00:32:20	DSA1059	0	28312
31-JUL-2007 00:44:45	AlpHyi	143	28313
31-JUL-2007 00:47:27	BetHyi	135	28313
31-JUL-2007 00:52:15	AlpTuc	148	28313
31-JUL-2007 00:55:32	AlpPav	45	28313
31-JUL-2007 01:03:56	38ZetSgr	103	28313
31-JUL-2007 01:06:19	41PiSgr	155	28313
31-JUL-2007 01:16:10	17ZetAql	168	28313

31-JUL-2007 01:23:15	3AlpLyr	5	28313
31-JUL-2007 01:27:00	33GamDra	69	28313
31-JUL-2007 01:30:56	14EtaDra	119	28313
31-JUL-2007 01:35:07	7BetUMi	60	28313
31-JUL-2007 01:37:47	1AlpUMi	49	28313
31-JUL-2007 01:50:37	34BetAur	42	28313
31-JUL-2007 01:57:41	23ZetTau	176	28313
31-JUL-2007 02:01:20	58AlpOri	14	28313
31-JUL-2007 03:31:13	34BetAur	42	28314
31-JUL-2007 03:38:17	23ZetTau	176	28314
31-JUL-2007 03:41:57	58AlpOri	14	28314
31-JUL-2007 03:44:40	46EpsOri	30	28314
31-JUL-2007 03:47:07	19BetOri	7	28314
31-JUL-2007 03:48:34	2BetCMa	47	28314
31-JUL-2007 03:50:12	9BetLep	139	28314
31-JUL-2007 03:53:32	DSA1059	0	28314
31-JUL-2007 04:05:58	AlpHyi	143	28315
31-JUL-2007 04:08:39	BetHyi	135	28315
31-JUL-2007 04:13:28	AlpTuc	148	28315
31-JUL-2007 04:16:44	AlpPav	45	28315
31-JUL-2007 04:25:08	38ZetSgr	103	28315
31-JUL-2007 04:27:31	41PiSgr	155	28315
31-JUL-2007 04:37:22	17ZetAql	168	28315
31-JUL-2007 04:44:27	3AlpLyr	5	28315
31-JUL-2007 04:48:12	33GamDra	69	28315
31-JUL-2007 04:52:09	14EtaDra	119	28315
31-JUL-2007 04:56:19	7BetUMi	60	28315
31-JUL-2007 04:58:59	1AlpUMi	49	28315
31-JUL-2007 11:41:23	1AlpUMi	49	28319
31-JUL-2007 17:49:57	38ZetSgr	103	28323
31-JUL-2007 17:52:20	41PiSgr	155	28323
31-JUL-2007 18:02:10	17ZetAql	168	28323
31-JUL-2007 18:09:15	3AlpLyr	5	28323
31-JUL-2007 18:13:01	33GamDra	69	28323
31-JUL-2007 18:16:59	14EtaDra	119	28323
31-JUL-2007 18:21:09	7BetUMi	60	28323
31-JUL-2007 18:23:47	1AlpUMi	49	28323
31-JUL-2007 18:36:37	34BetAur	42	28323
31-JUL-2007 18:43:43	23ZetTau	176	28323
31-JUL-2007 18:47:22	58AlpOri	14	28323
31-JUL-2007 18:50:07	46EpsOri	30	28323
31-JUL-2007 18:52:34	19BetOri	7	28323
31-JUL-2007 18:53:59	2BetCMa	47	28323
31-JUL-2007 18:55:39	9BetLep	139	28323
31-JUL-2007 18:57:20	1ZetCMa	177	28323
31-JUL-2007 18:58:57	DSA1059	0	28323
31-JUL-2007 19:11:26	AlpHyi	143	28324
31-JUL-2007 19:14:05	BetHyi	135	28324
31-JUL-2007 19:18:55	AlpTuc	148	28324
31-JUL-2007 19:22:10	AlpPav	45	28324
31-JUL-2007 19:30:33	38ZetSgr	103	28324
31-JUL-2007 19:32:56	41PiSgr	155	28324
31-JUL-2007 19:42:46	17ZetAql	168	28324
31-JUL-2007 19:49:51	3AlpLyr	5	28324
31-JUL-2007 19:53:37	33GamDra	69	28324
31-JUL-2007 19:57:35	14EtaDra	119	28324
31-JUL-2007 20:01:45	7BetUMi	60	28324
31-JUL-2007 20:04:22	1AlpUMi	49	28324
31-JUL-2007 20:17:13	34BetAur	42	28324

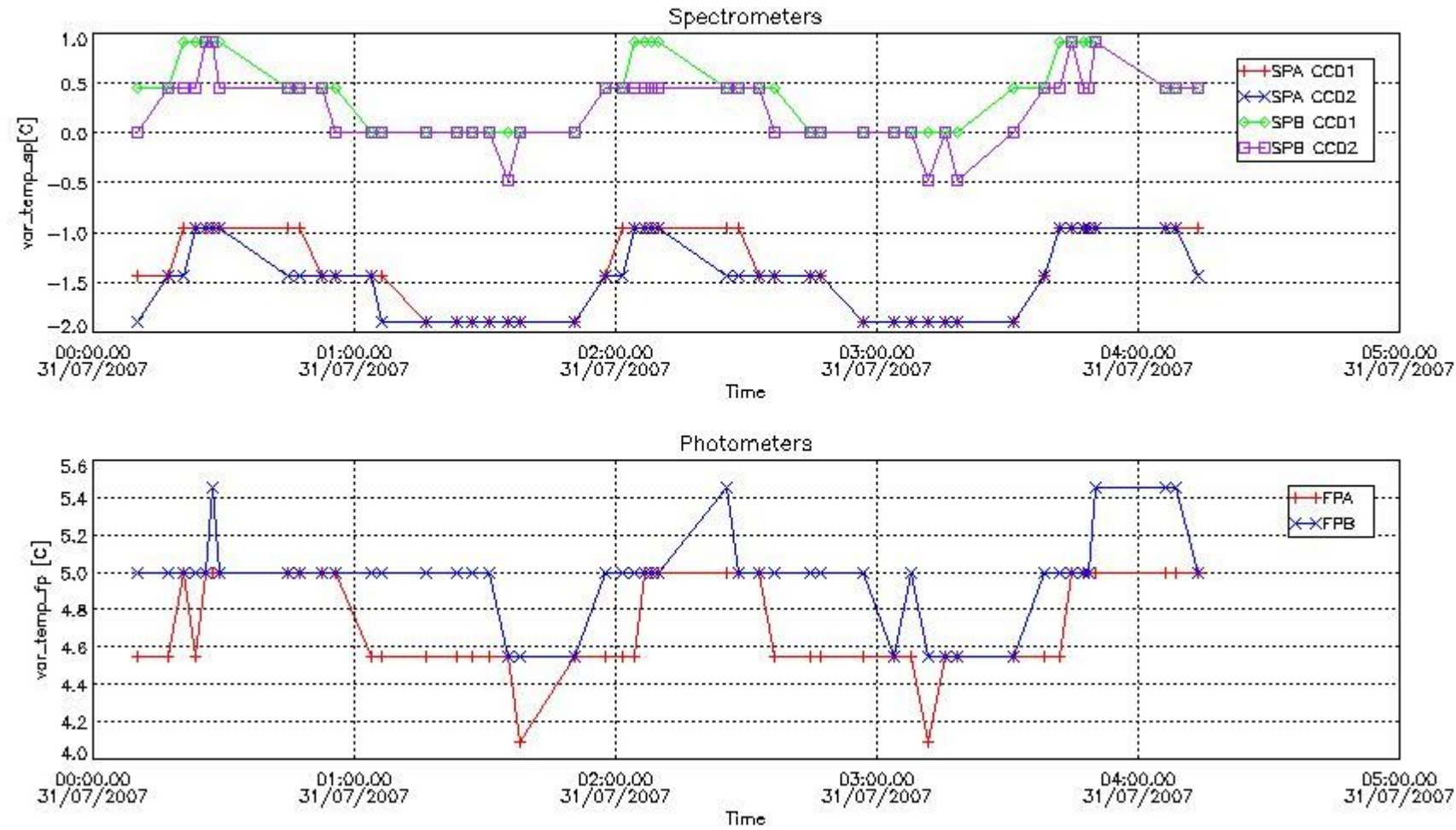
31-JUL-2007 20:19:27	37TheAur	107	28324
31-JUL-2007 20:24:19	23ZetTau	176	28324
31-JUL-2007 20:27:58	58AlpOri	14	28324
31-JUL-2007 20:30:43	46EpsOri	30	28324
31-JUL-2007 20:33:10	19BetOri	7	28324
31-JUL-2007 20:34:35	2BetCma	47	28324
31-JUL-2007 20:36:15	9BetLep	139	28324
31-JUL-2007 20:37:56	1ZetCma	177	28324
31-JUL-2007 20:39:33	DSA1059	0	28324
31-JUL-2007 20:52:03	AlpHyi	143	28325
31-JUL-2007 20:54:41	BetHyi	135	28325
31-JUL-2007 20:59:32	AlpTuc	148	28325
31-JUL-2007 21:02:46	AlpPav	45	28325
31-JUL-2007 21:11:09	38ZetSgr	103	28325
31-JUL-2007 21:13:32	41PiSgr	155	28325
31-JUL-2007 21:23:22	17ZetAql	168	28325
31-JUL-2007 21:30:27	3AlpLyr	5	28325
31-JUL-2007 21:34:13	33GamDra	69	28325
31-JUL-2007 21:38:11	14EtaDra	119	28325
31-JUL-2007 21:42:21	7BetUMi	60	28325
31-JUL-2007 21:44:58	1AlpUMi	49	28325
31-JUL-2007 21:57:49	34BetAur	42	28325
31-JUL-2007 22:00:03	37TheAur	107	28325
31-JUL-2007 22:04:55	23ZetTau	176	28325
31-JUL-2007 22:08:34	58AlpOri	14	28325
31-JUL-2007 22:11:19	46EpsOri	30	28325
31-JUL-2007 22:13:46	19BetOri	7	28325
31-JUL-2007 22:15:12	2BetCma	47	28325
31-JUL-2007 22:16:52	9BetLep	139	28325
31-JUL-2007 22:18:32	1ZetCma	177	28325
31-JUL-2007 22:20:09	DSA1059	0	28325
31-JUL-2007 22:32:39	AlpHyi	143	28326
31-JUL-2007 22:35:17	BetHyi	135	28326
31-JUL-2007 22:40:08	AlpTuc	148	28326
31-JUL-2007 22:43:22	AlpPav	45	28326
31-JUL-2007 22:51:45	38ZetSgr	103	28326
31-JUL-2007 22:54:08	41PiSgr	155	28326
31-JUL-2007 23:03:58	17ZetAql	168	28326
31-JUL-2007 23:11:03	3AlpLyr	5	28326
31-JUL-2007 23:14:49	33GamDra	69	28326
31-JUL-2007 23:18:48	14EtaDra	119	28326
31-JUL-2007 23:22:57	7BetUMi	60	28326
31-JUL-2007 23:25:34	1AlpUMi	49	28326
31-JUL-2007 23:38:25	34BetAur	42	28326
31-JUL-2007 23:40:39	37TheAur	107	28326
31-JUL-2007 23:45:31	23ZetTau	176	28326
31-JUL-2007 23:49:11	58AlpOri	14	28326
31-JUL-2007 23:51:55	46EpsOri	30	28326
31-JUL-2007 23:54:23	19BetOri	7	28326
31-JUL-2007 23:55:48	2BetCma	47	28326
31-JUL-2007 23:57:28	9BetLep	139	28326
31-JUL-2007 23:59:09	1ZetCma	177	28326

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_1PNPDE20070731_001009_000000372060_00202_28312_7663.N1	31-JUL-2007 00:10:09	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	28312	No
2	GOM_TRA_1PNPDE20070731_001713_000000372060_00202_28312_7664.N1	31-JUL-2007 00:17:13	Twilight_stray	37.000	176	23Zet Tau	3.0200	22000.	74	28312	No

3	GOM_TRA_1PNPDE20070731_002053_000000492060_00202_28312_7665.N1	31-JUL-2007 00:20:53	Dark	49.000	14	58Alp Ori	0.87000	3000.0	98	28312	No
4	GOM_TRA_1PNPDE20070731_002336_000000412060_00202_28312_7666.N1	31-JUL-2007 00:23:36	Dark	40.500	30	46Eps Ori	1.6940	30000.	81	28312	No
5	GOM_TRA_1PNPDE20070731_002602_000000402060_00202_28312_7667.N1	31-JUL-2007 00:26:02	Dark	39.500	7	19Bet Ori	0.10000	14000.	79	28312	No
6	GOM_TRA_1PNPDE20070731_002731_000000362060_00202_28312_7794.N1	31-JUL-2007 00:27:31	Dark	36.000	47	2Bet CMa	1.9760	28000.	72	28312	No
7	GOM_TRA_1PNPDE20070731_002908_000000432060_00202_28312_7795.N1	31-JUL-2007 00:29:08	Dark	42.500	139	9Bet Lep	2.8330	5600.0	85	28312	No
8	GOM_TRA_1PNPDE20070731_004453_000000402060_00203_28313_7796.N1	31-JUL-2007 00:44:53	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	28313	No
9	GOM_TRA_1PNPDE20070731_004735_000000372060_00203_28313_7797.N1	31-JUL-2007 00:47:35	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	28313	No
10	GOM_TRA_1PNPDE20070731_005224_000000402060_00203_28313_7798.N1	31-JUL-2007 00:52:24	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	28313	No
11	GOM_TRA_1PNPDE20070731_005540_000000382060_00203_28313_7799.N1	31-JUL-2007 00:55:40	Straylight	38.000	45	Alp Pav	1.9400	26000.	76	28313	No
12	GOM_TRA_1PNPDE20070731_010404_000000462060_00203_28313_7800.N1	31-JUL-2007 01:04:04	Bright	45.500	103	38Zet Sgr	2.6000	9700.0	91	28313	No
13	GOM_TRA_1PNPDE20070731_010627_000000372060_00203_28313_7801.N1	31-JUL-2007 01:06:27	Bright	37.000	155	41Pi Sgr	2.9000	6600.0	74	28313	No
14	GOM_TRA_1PNPDE20070731_011619_000000362060_00203_28313_7802.N1	31-JUL-2007 01:16:19	Bright	36.000	168	17Zet Aql	2.9860	11000.	72	28313	No
15	GOM_TRA_1PNPDE20070731_012323_000000352060_00203_28313_7803.N1	31-JUL-2007 01:23:23	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	28313	No
16	GOM_TRA_1PNPDE20070731_012709_000000382060_00203_28313_7804.N1	31-JUL-2007 01:27:09	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	28313	No
17	GOM_TRA_1PNPDE20070731_013105_000000362060_00203_28313_7805.N1	31-JUL-2007 01:31:05	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	28313	No
18	GOM_TRA_1PNPDE20070731_013515_000000352060_00203_28313_7806.N1	31-JUL-2007 01:35:15	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	28313	No
19	GOM_TRA_1PNPDE20070731_013756_000000352060_00203_28313_7807.N1	31-JUL-2007 01:37:56	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	28313	No
20	GOM_TRA_1PNPDE20070731_015045_000000472060_00203_28313_7808.N1	31-JUL-2007 01:50:45	Bright	47.000	42	34Bet Aur	1.9000	10200.	94	28313	No
21	GOM_TRA_1PNPDE20070731_015749_000000412060_00203_28313_7809.N1	31-JUL-2007 01:57:49	Tw_i_and_stray	41.000	176	23Zet Tau	3.0200	22000.	82	28313	No
22	GOM_TRA_1PNPDE20070731_020128_000000522060_00203_28313_7810.N1	31-JUL-2007 02:01:28	Dark	52.000	14	58Alp Ori	0.87000	3000.0	104	28313	No
23	GOM_TRA_1PNPDE20070731_020412_000000382060_00203_28313_7919.N1	31-JUL-2007 02:04:12	Dark	38.000	30	46Eps Ori	1.6940	30000.	76	28313	No
24	GOM_TRA_1PNPDE20070731_020639_000000402060_00203_28313_7920.N1	31-JUL-2007 02:06:39	Dark	40.000	7	19Bet Ori	0.10000	14000.	80	28313	No
25	GOM_TRA_1PNPDE20070731_020807_000000402060_00203_28313_7921.N1	31-JUL-2007 02:08:07	Dark	40.000	47	2Bet CMa	1.9760	28000.	80	28313	No
26	GOM_TRA_1PNPDE20070731_020944_000000442060_00203_28313_7922.N1	31-JUL-2007 02:09:44	Dark	44.000	139	9Bet Lep	2.8330	5600.0	88	28313	No
27	GOM_TRA_1PNPDE20070731_022530_000000402060_00204_28314_7923.N1	31-JUL-2007 02:25:30	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	28314	No
28	GOM_TRA_1PNPDE20070731_022811_000000372060_00204_28314_7924.N1	31-JUL-2007 02:28:11	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	28314	No
29	GOM_TRA_1PNPDE20070731_023300_000000412060_00204_28314_7925.N1	31-JUL-2007 02:33:00	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	28314	No
30	GOM_TRA_1PNPDE20070731_023617_000000382060_00204_28314_7926.N1	31-JUL-2007 02:36:17	Straylight	38.000	45	Alp Pav	1.9400	26000.	76	28314	No
31	GOM_TRA_1PNPDE20070731_024440_000000422060_00204_28314_7927.N1	31-JUL-2007 02:44:40	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	28314	No
32	GOM_TRA_1PNPDE20070731_024704_000000372060_00204_28314_7928.N1	31-JUL-2007 02:47:04	Bright	37.000	155	41Pi Sgr	2.9000	6600.0	74	28314	No
33	GOM_TRA_1PNPDE20070731_025655_000000352060_00204_28314_7929.N1	31-JUL-2007 02:56:55	Bright	35.000	168	17Zet Aql	2.9860	11000.	70	28314	No
34	GOM_TRA_1PNPDE20070731_030359_000000332060_00204_28314_7930.N1	31-JUL-2007 03:03:59	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	28314	No
35	GOM_TRA_1PNPDE20070731_030745_000000382060_00204_28314_7931.N1	31-JUL-2007 03:07:45	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	28314	No
36	GOM_TRA_1PNPDE20070731_031141_000000342060_00204_28314_7932.N1	31-JUL-2007 03:11:41	Bright	34.000	119	14Eta Dra	2.7270	4700.0	68	28314	No
37	GOM_TRA_1PNPDE20070731_031552_000000332060_00204_28314_7933.N1	31-JUL-2007 03:15:52	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	28314	No
38	GOM_TRA_1PNPDE20070731_031832_000000342060_00204_28314_7934.N1	31-JUL-2007 03:18:32	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	28314	No
39	GOM_TRA_1PNPDE20070731_033121_000000342060_00204_28314_8069.N1	31-JUL-2007 03:31:21	Bright	33.500	42	34Bet Aur	1.9000	10200.	67	28314	No
40	GOM_TRA_1PNPDE20070731_033826_000000412060_00204_28314_8070.N1	31-JUL-2007 03:38:26	Tw_i_and_stray	40.500	176	23Zet Tau	3.0200	22000.	81	28314	No
41	GOM_TRA_1PNPDE20070731_034205_000000432060_00204_28314_8071.N1	31-JUL-2007 03:42:05	Dark	43.000	14	58Alp Ori	0.87000	3000.0	86	28314	No
42	GOM_TRA_1PNPDE20070731_034449_000000382060_00204_28314_8072.N1	31-JUL-2007 03:44:49	Dark	37.500	30	46Eps Ori	1.6940	30000.	75	28314	No
43	GOM_TRA_1PNPDE20070731_034715_000000472060_00204_28314_8073.N1	31-JUL-2007 03:47:15	Dark	46.500	7	19Bet Ori	0.10000	14000.	93	28314	No
44	GOM_TRA_1PNPDE20070731_034843_000000392060_00204_28314_8074.N1	31-JUL-2007 03:48:43	Dark	39.000	47	2Bet CMa	1.9760	28000.	78	28314	No
45	GOM_TRA_1PNPDE20070731_035021_000000432060_00204_28314_8075.N1	31-JUL-2007 03:50:21	Dark	43.000	139	9Bet Lep	2.8330	5600.0	86	28314	No
46	GOM_TRA_1PNPDE20070731_040607_000000392060_00205_28315_8076.N1	31-JUL-2007 04:06:07	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	28315	No
47	GOM_TRA_1PNPDE20070731_040848_000000382060_00205_28315_8077.N1	31-JUL-2007 04:08:48	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	28315	No
48	GOM_TRA_1PNPDE20070731_041337_000000412060_00205_28315_8078.N1	31-JUL-2007 04:13:37	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	28315	No

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



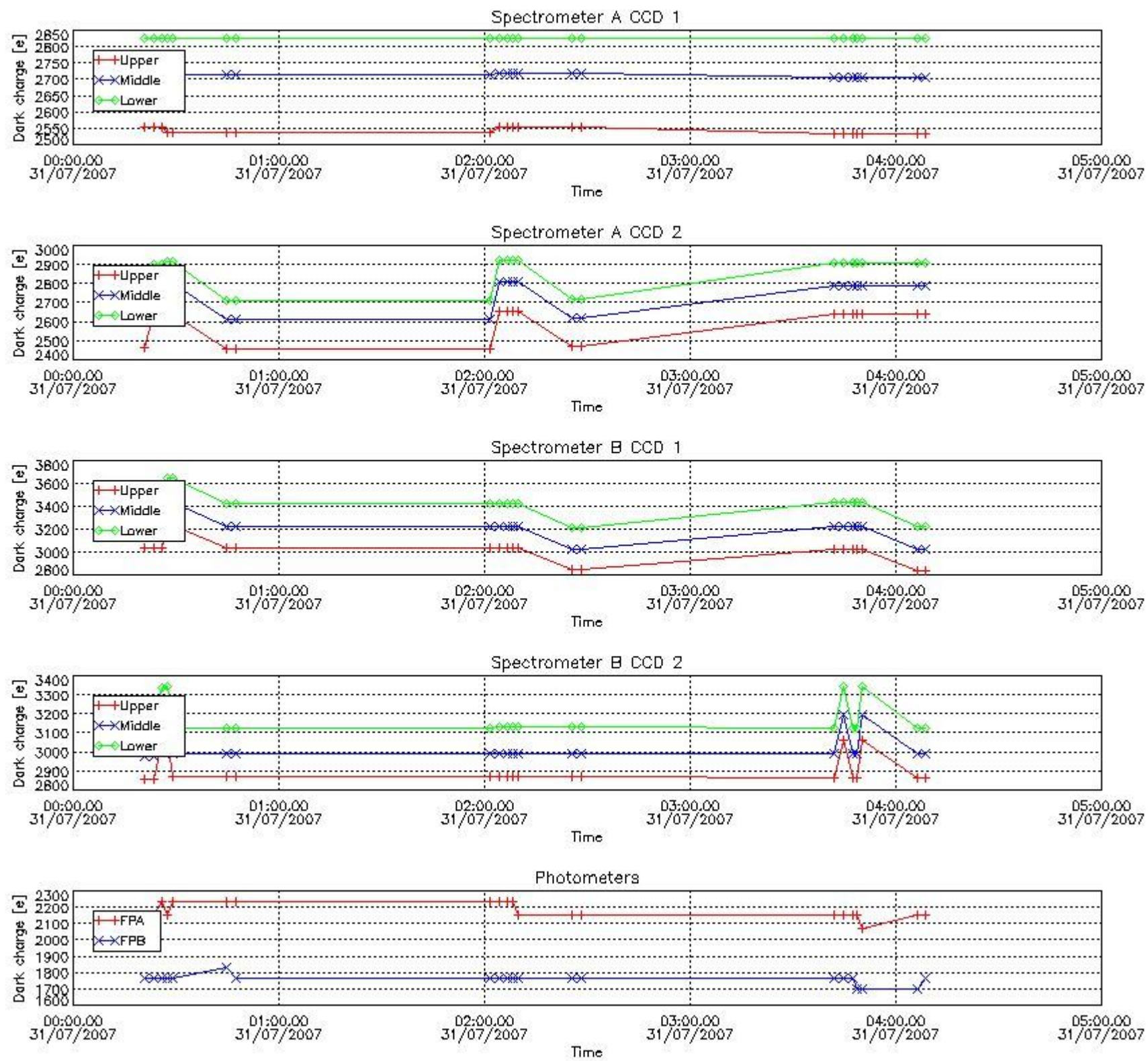
4. Overview of dark signal processing per product

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



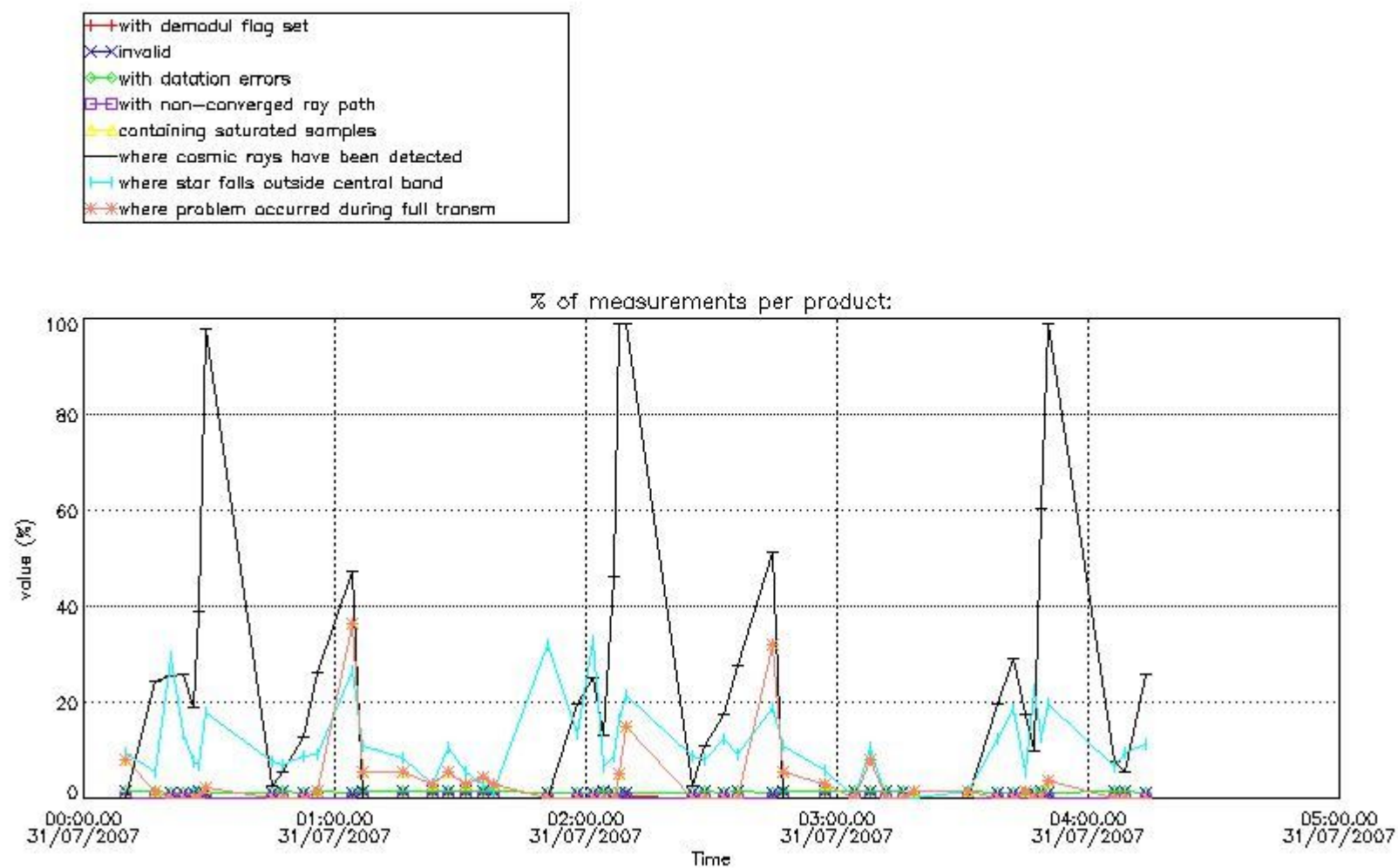
5. Demodulation flag and quality information monitoring

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.

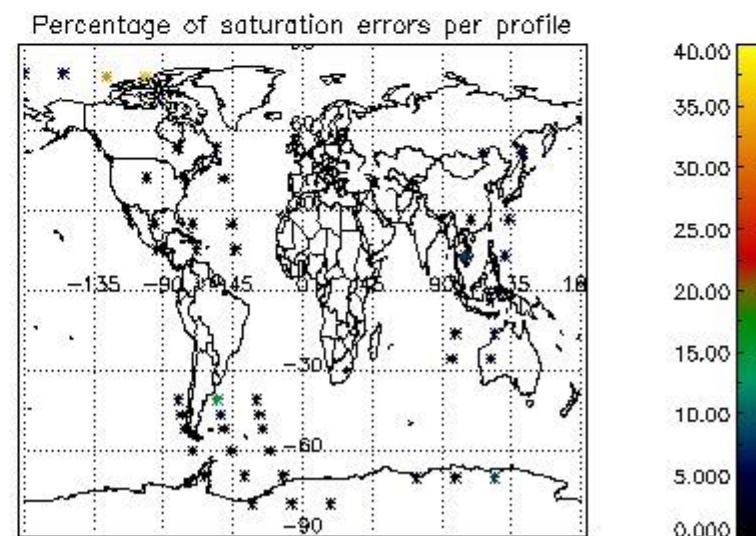
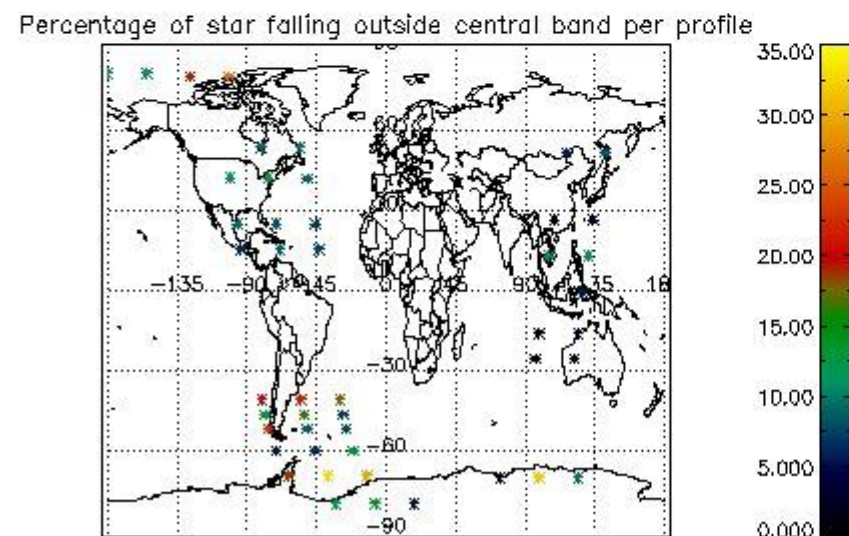
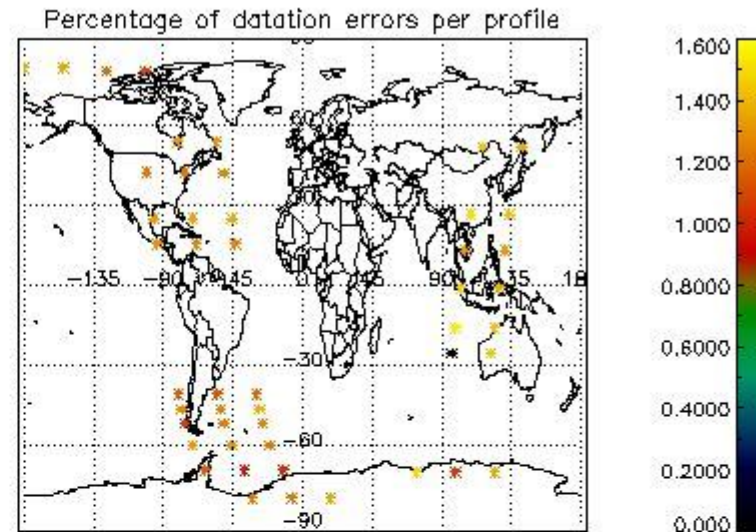
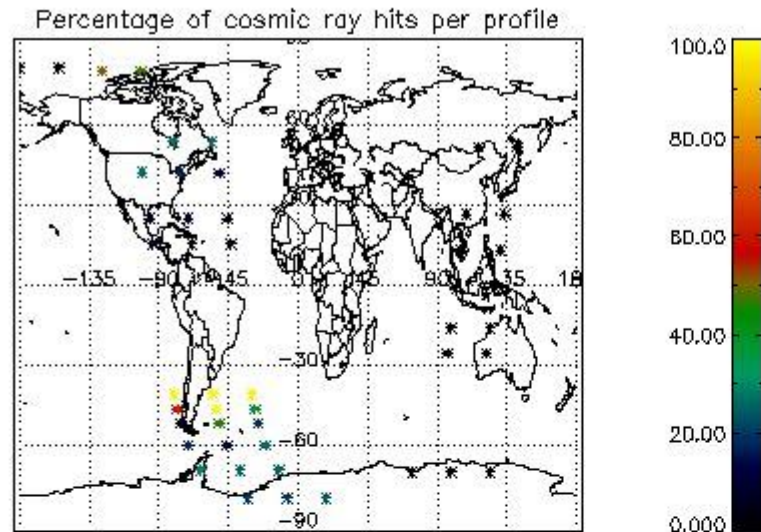
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	22.9167 %
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)



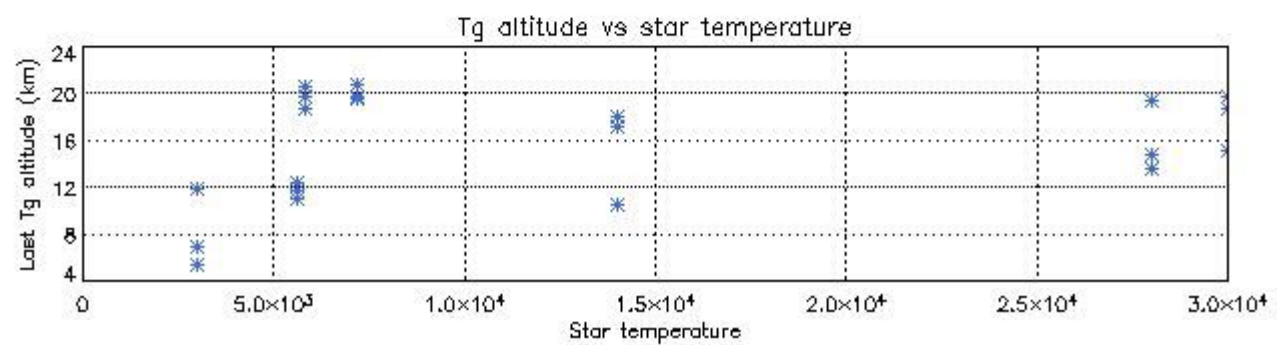
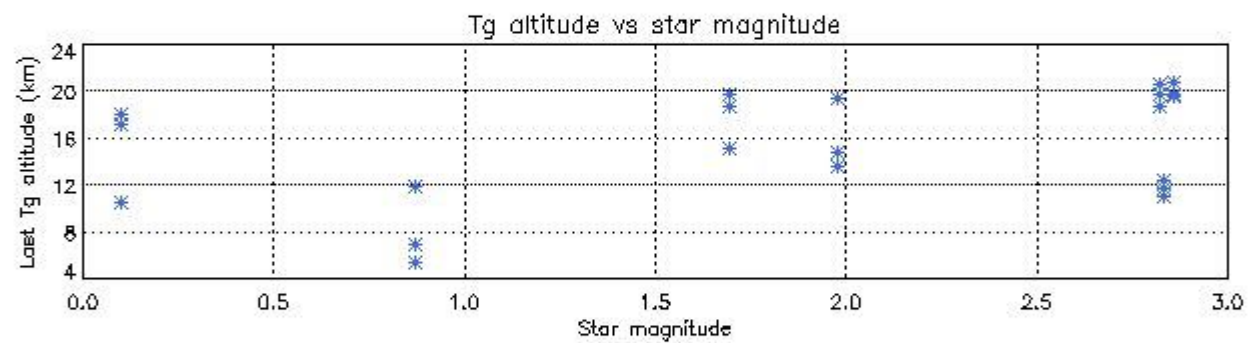
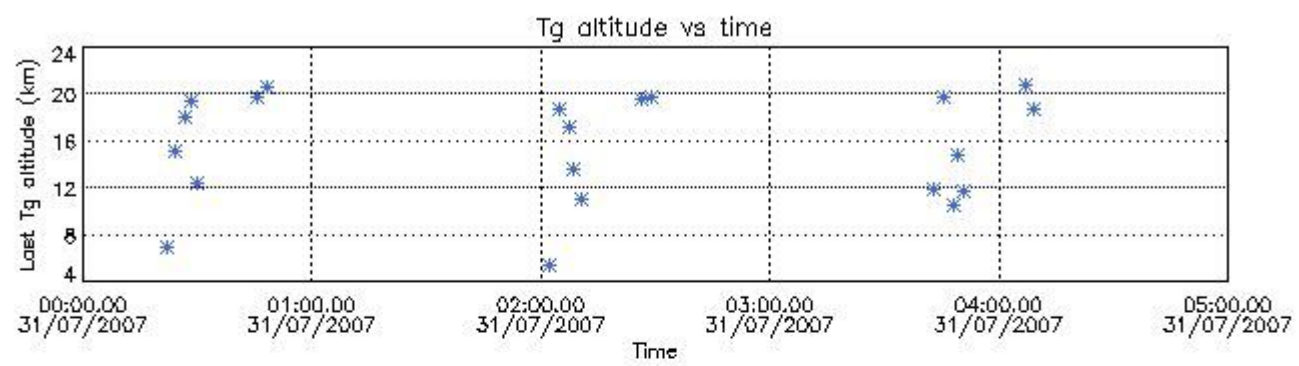
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.505	20.597	NaN
St. deviation:	4.6285	5.8568	NaN
Maximum:	20.810	29.241	NaN
Minimum:	5.4214	8.1482	NaN
Number of data:	21.000	19.000	NaN

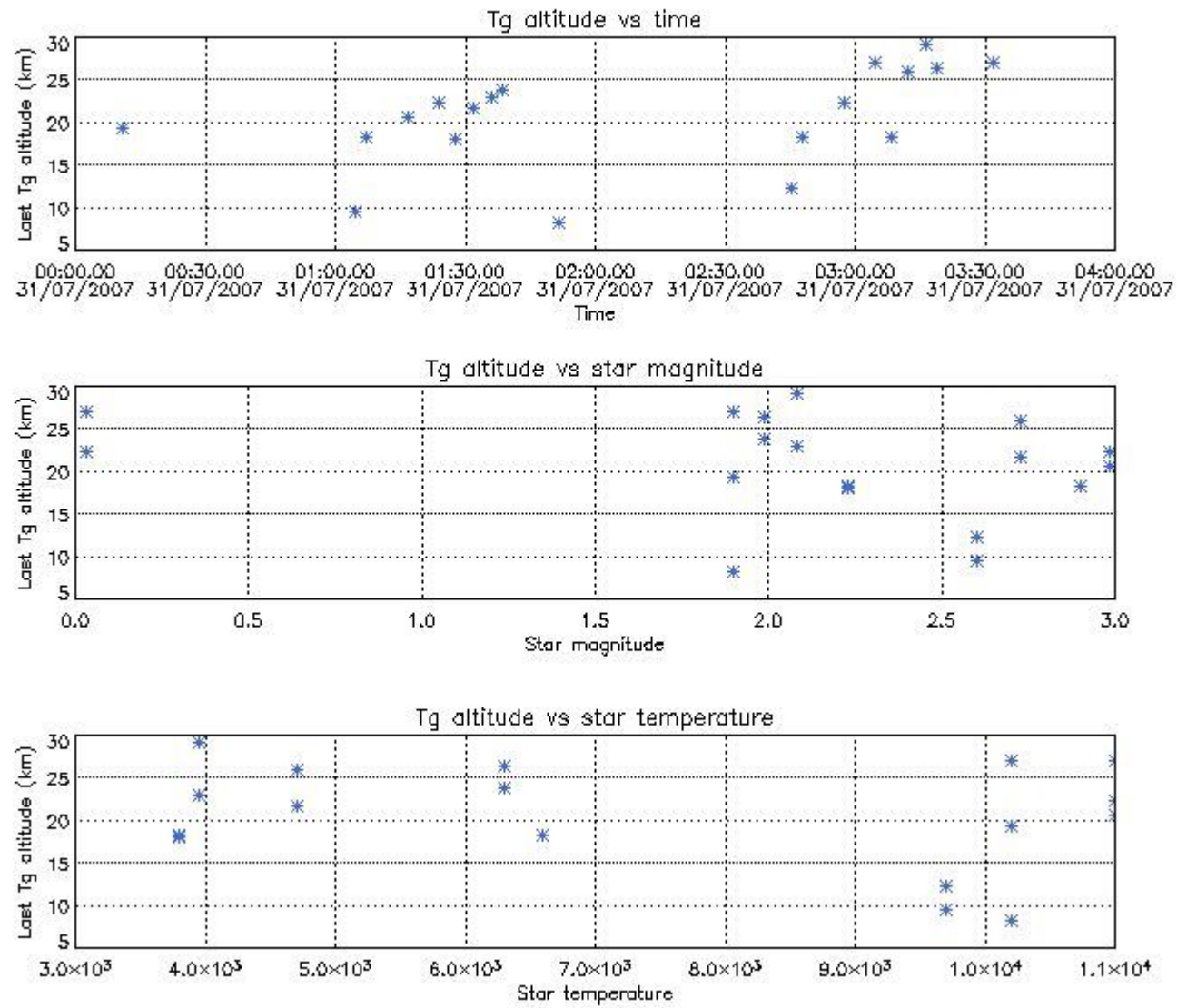
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

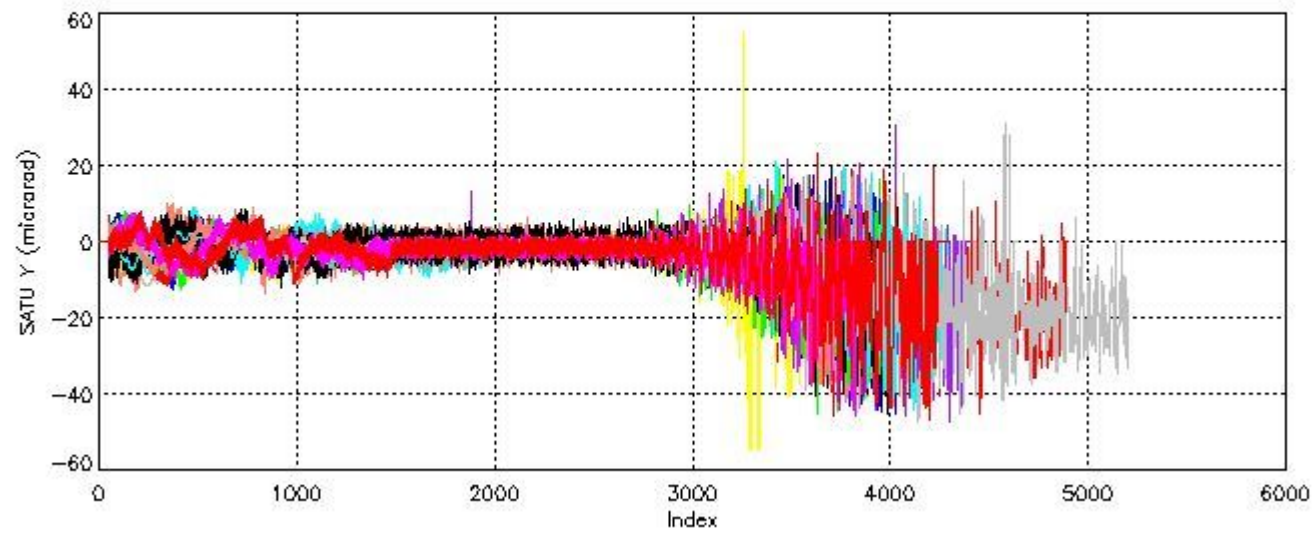
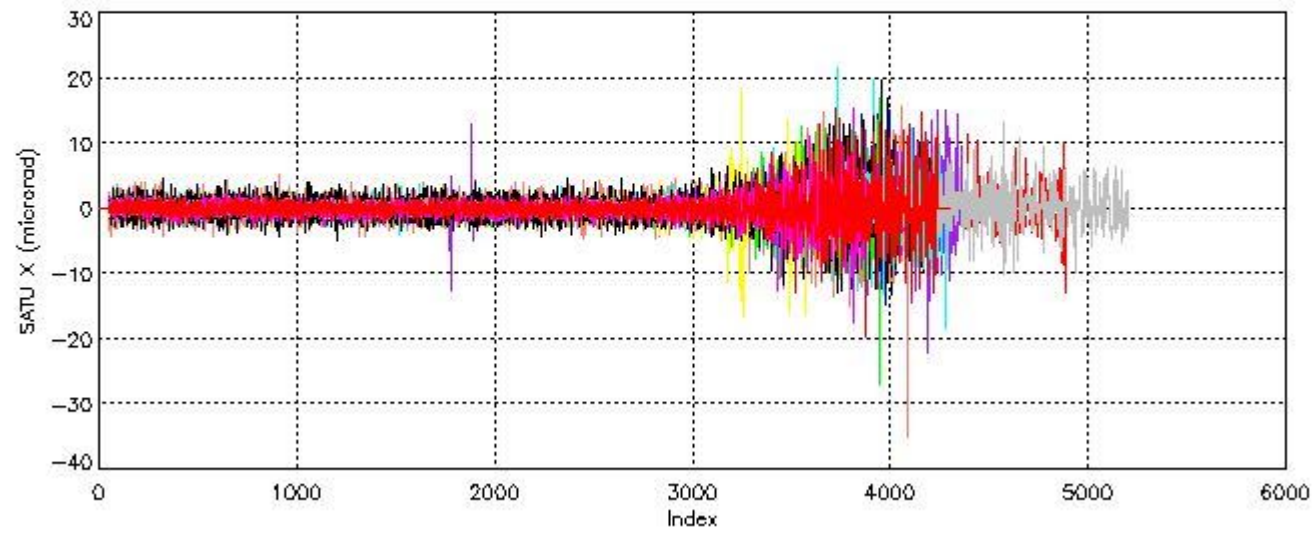


7. Star Acquisition and Tracking Unit (SATU)

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:	-0.0096922	-1.0337	-0.014365	-1.1268
St. deviation:	0.60626	3.4816	0.73076	3.2046
Maximum:	3.3000	13.000	4.5000	9.5000
Minimum:	-3.6000	-12.700	-5.4000	-14.700

Number of data:	18800.	18800.	15800.	15800.
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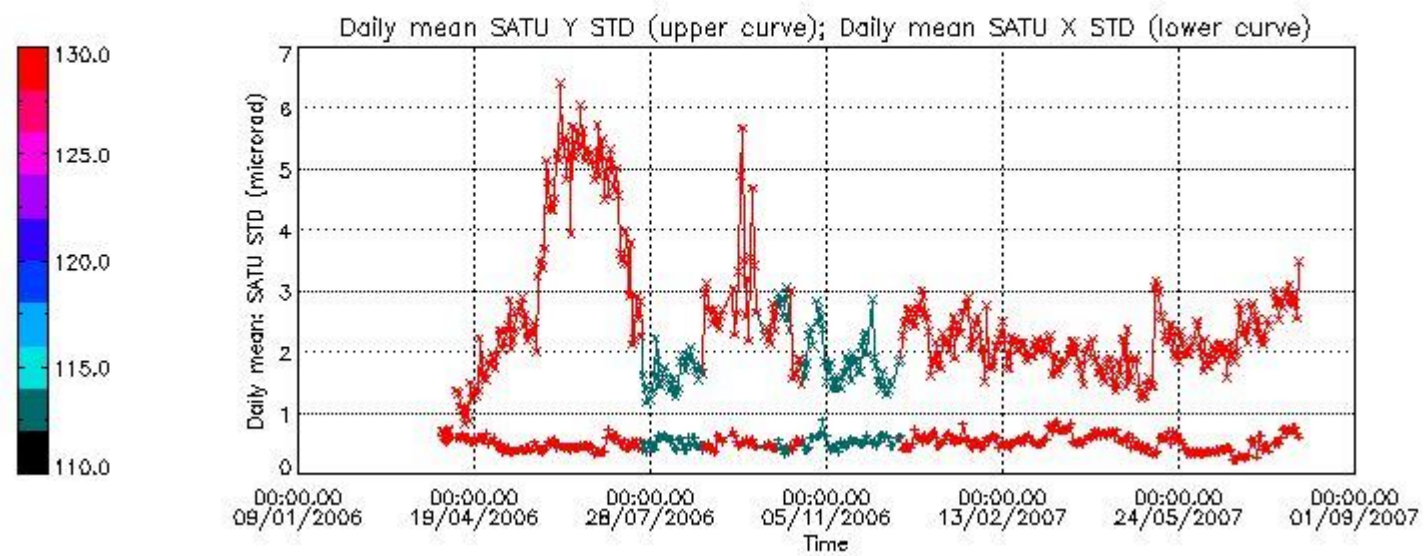
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

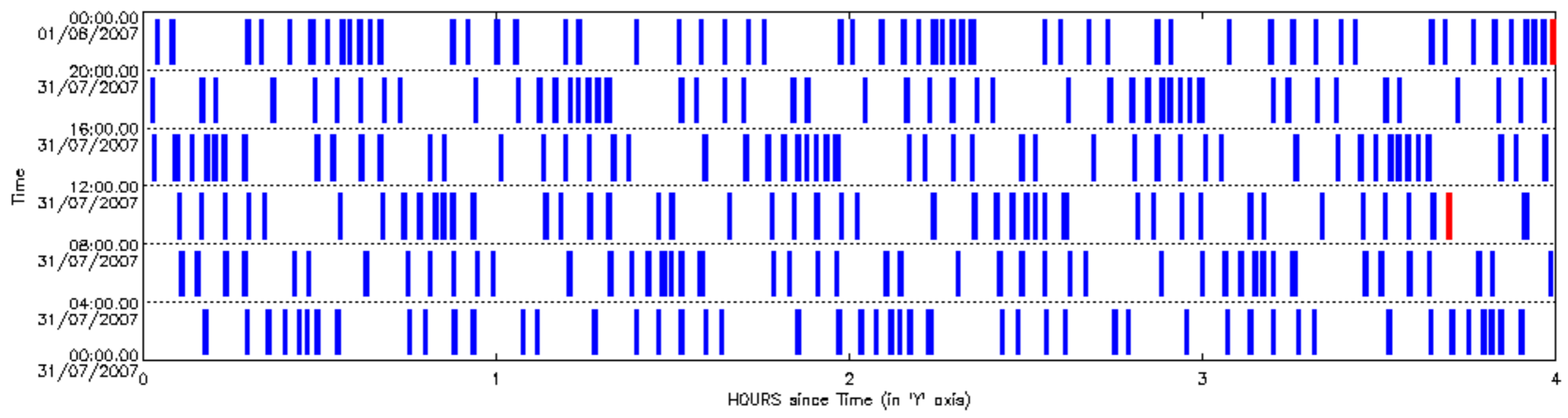
Lower curve: STD of SATU X axis

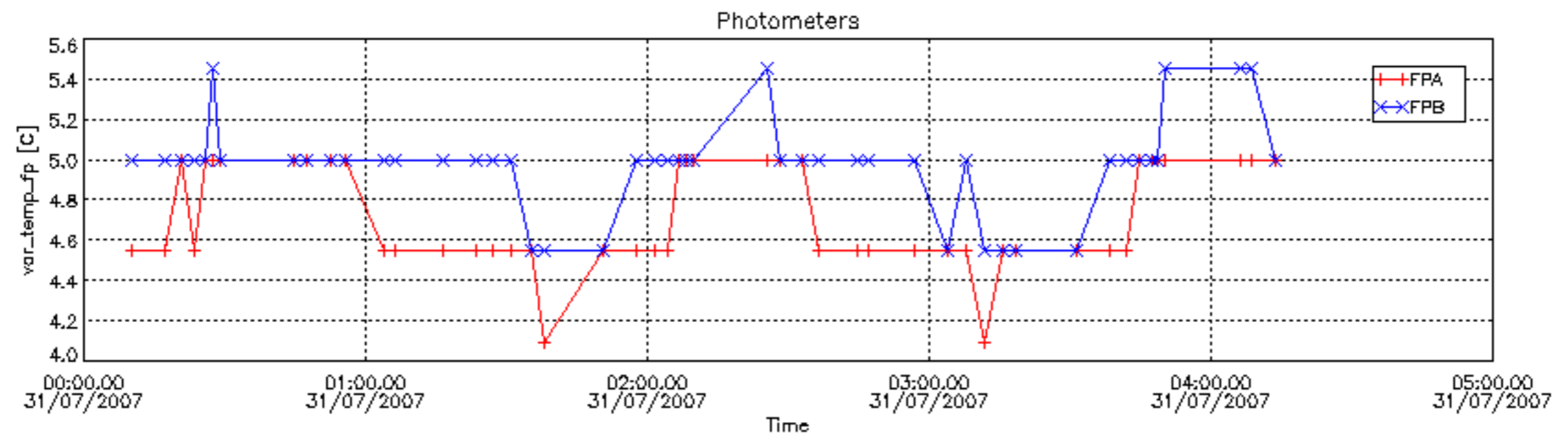
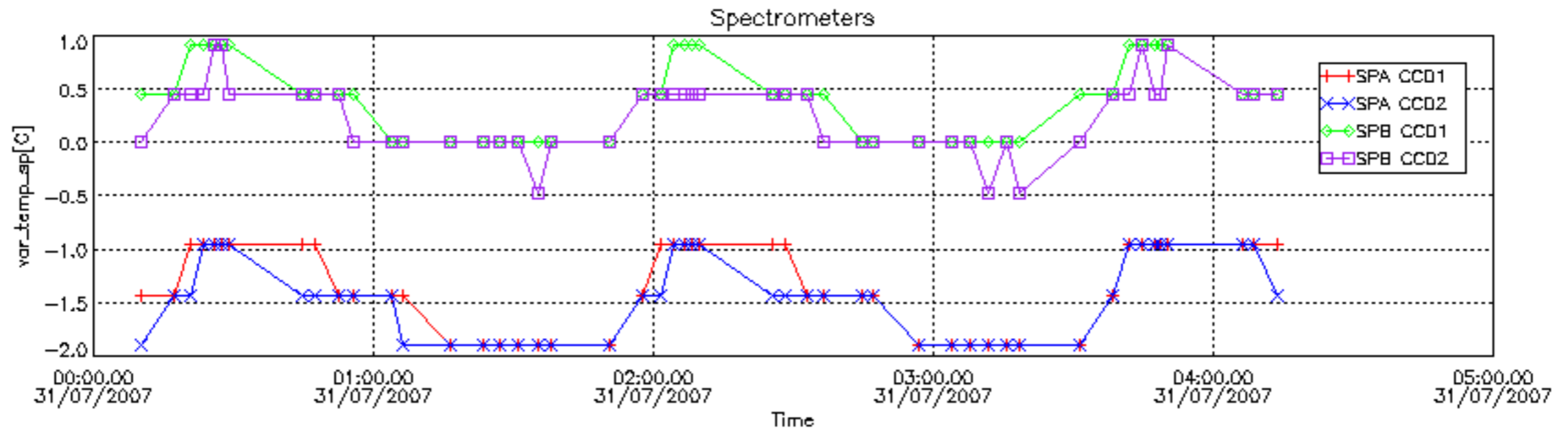


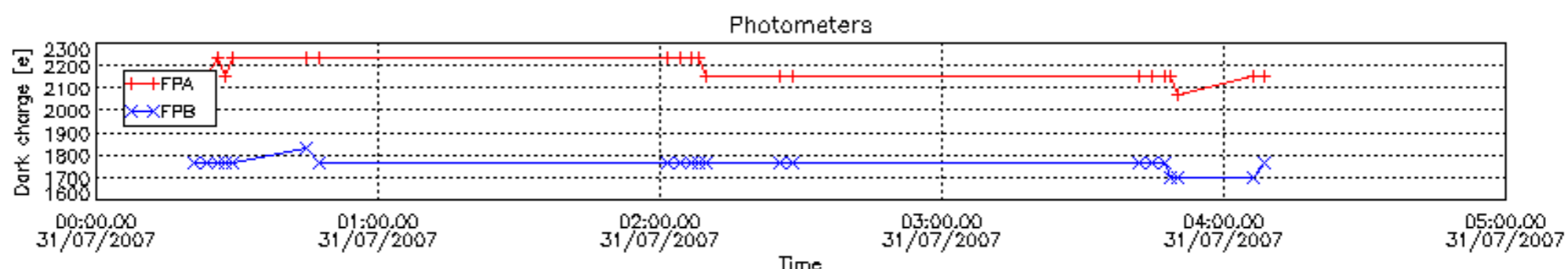
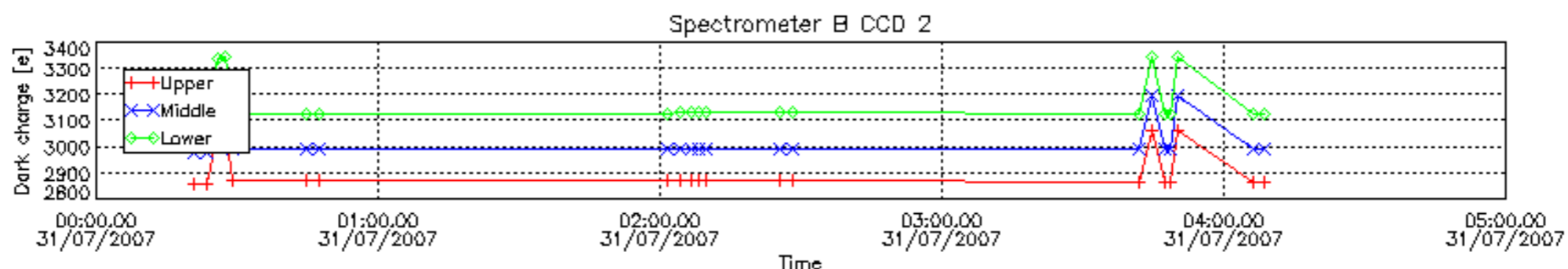
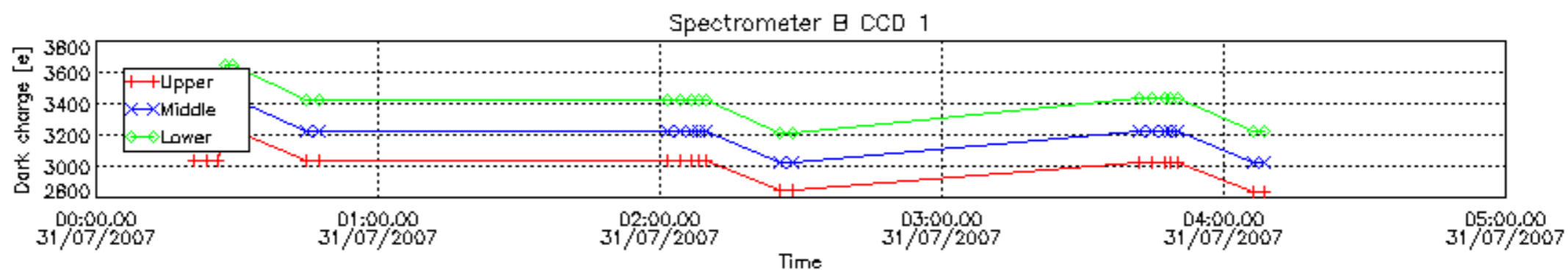
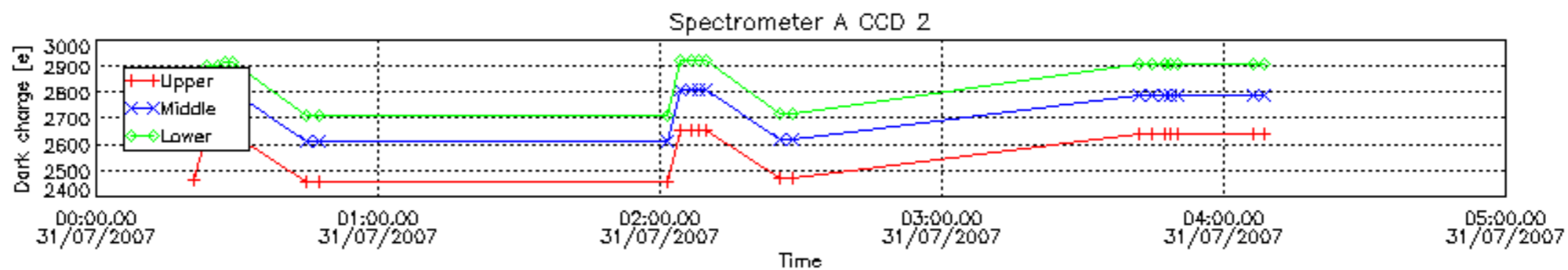
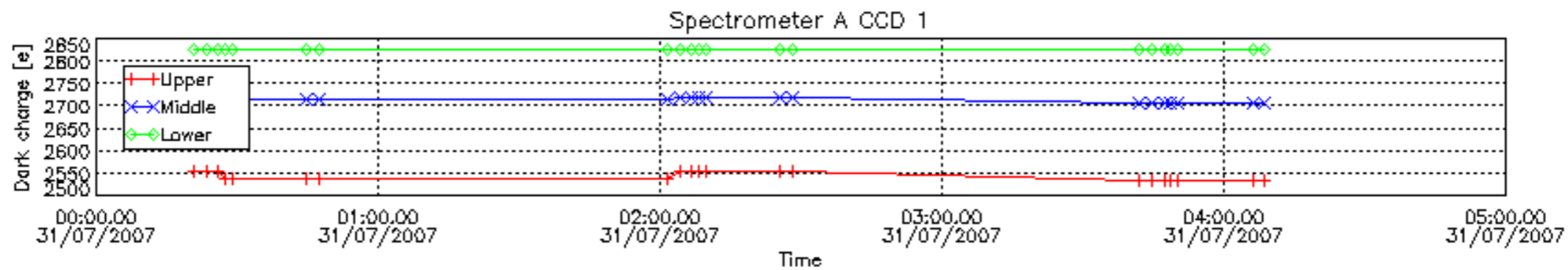
8. Auxiliary Data Files used for the production reported in section 2.4

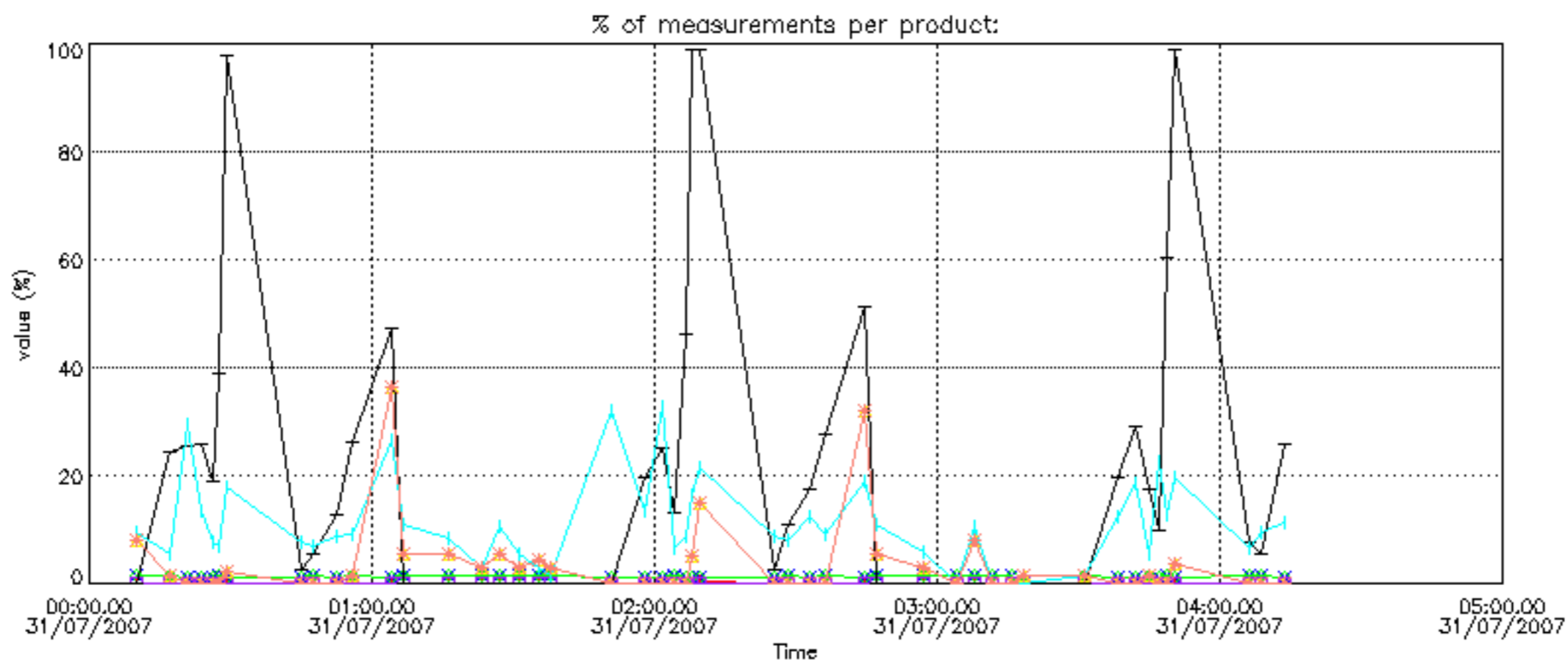
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	31-JUL-2007 00:10:09
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20070726_133456_20070725_000000_20100101_000000	1	31-JUL-2007 00:10:09
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	31-JUL-2007 00:10:09
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	31-JUL-2007 00:10:09
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	31-JUL-2007 00:10:09
ECMWF_FILE	AUX_ECF_AXNECM20070730_062114_20070730_210000_20070731_090000	1	31-JUL-2007 00:10:09
OPTIONAL_ECMWF_FILE	MISSING	1	31-JUL-2007 00:10:09
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20070729_231115_20070729_182948_20070808_213638	1	31-JUL-2007 00:10:09

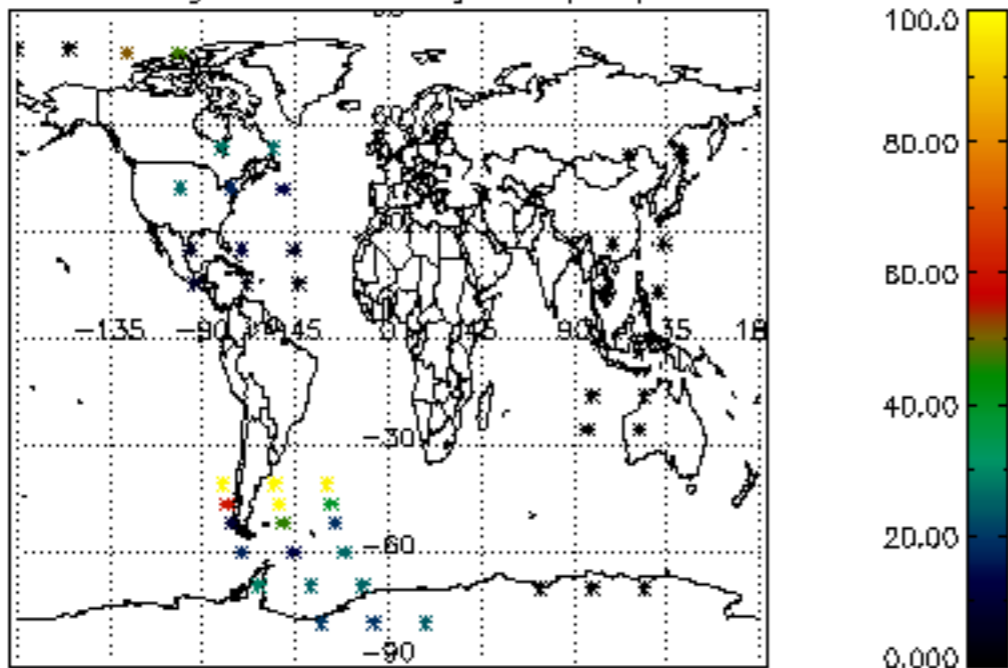




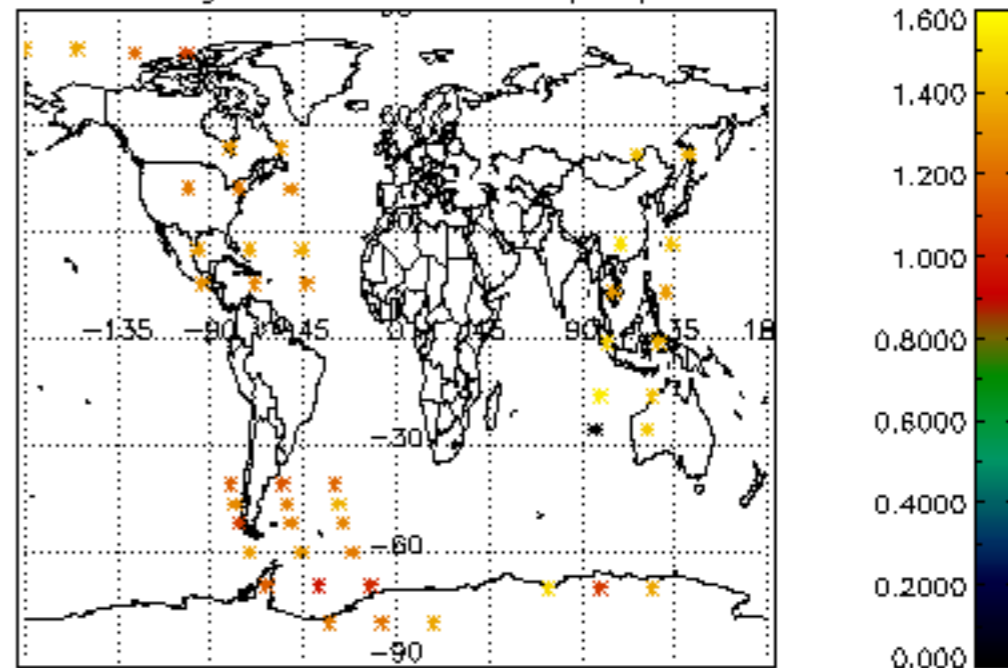




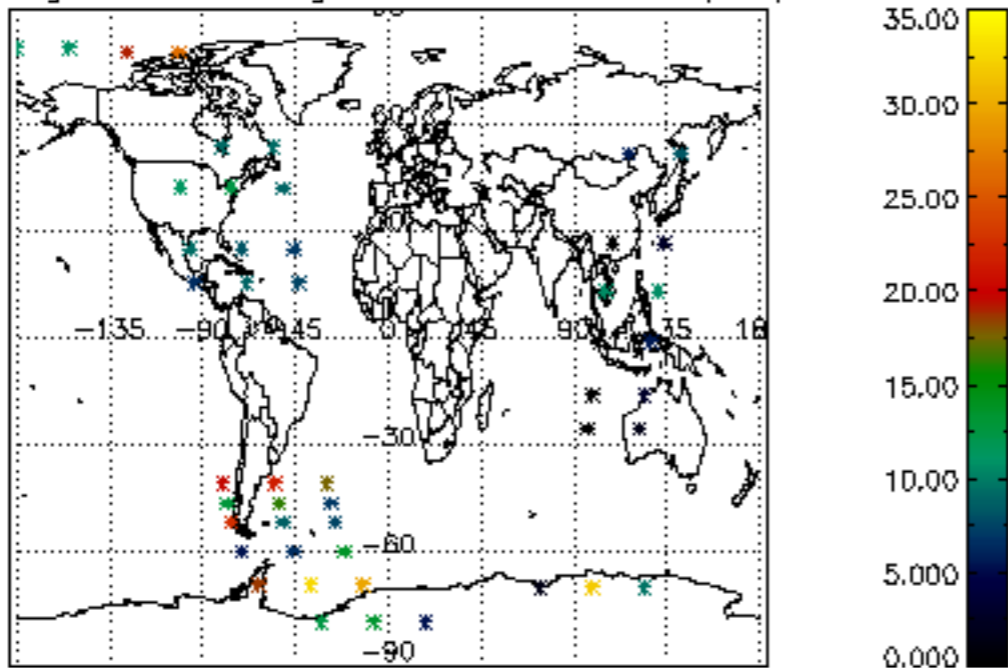
Percentage of cosmic ray hits per profile



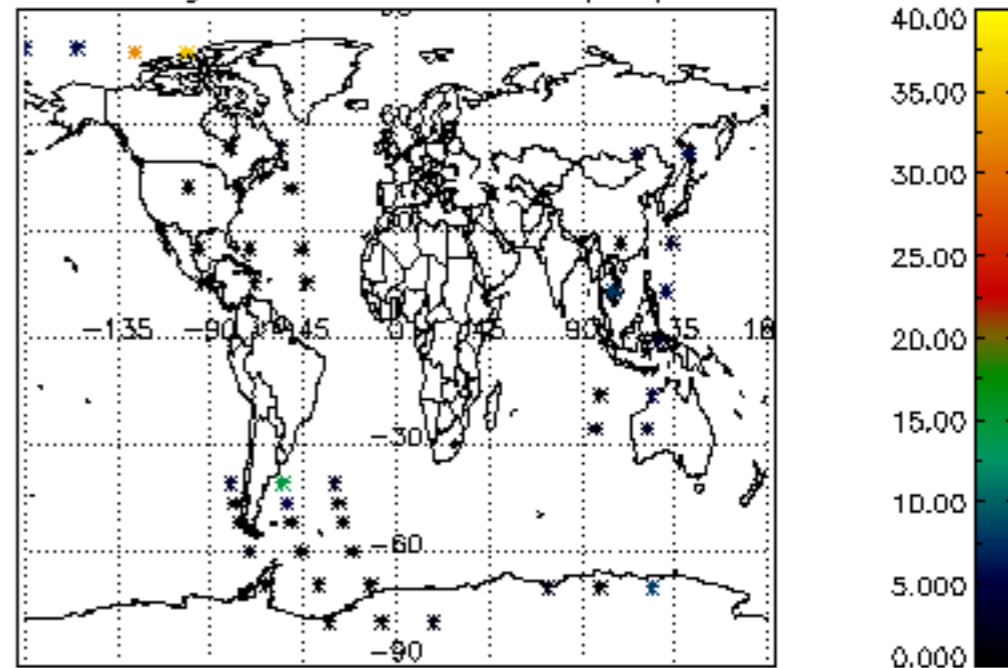
Percentage of datation errors per profile



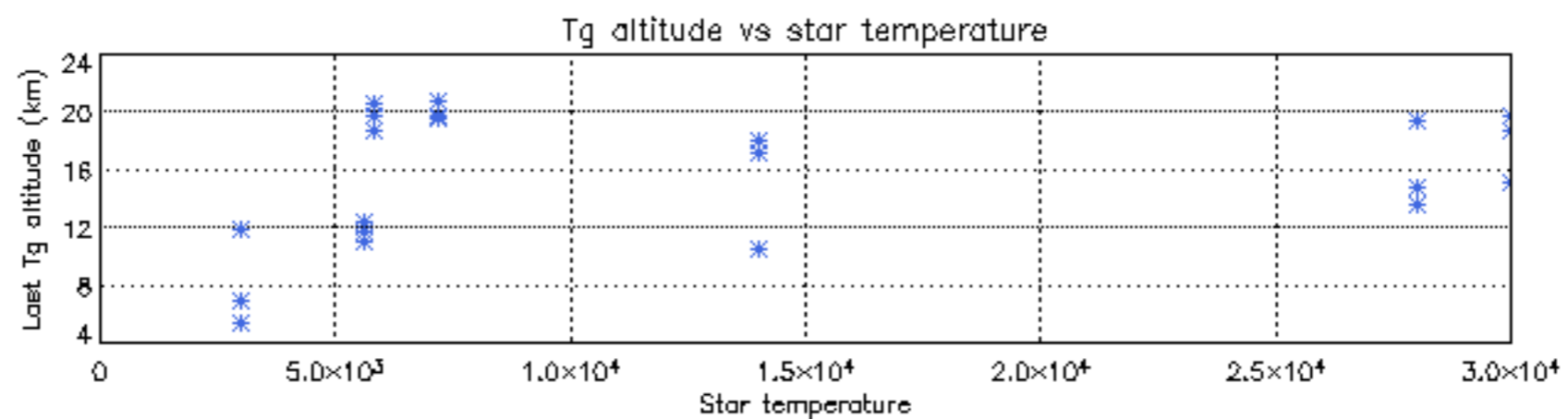
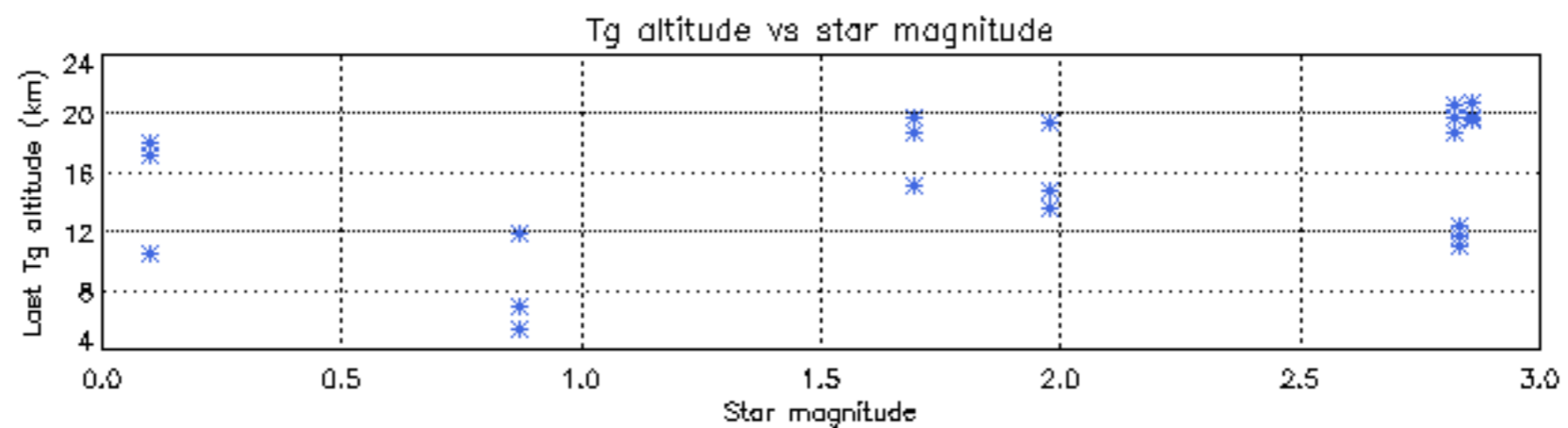
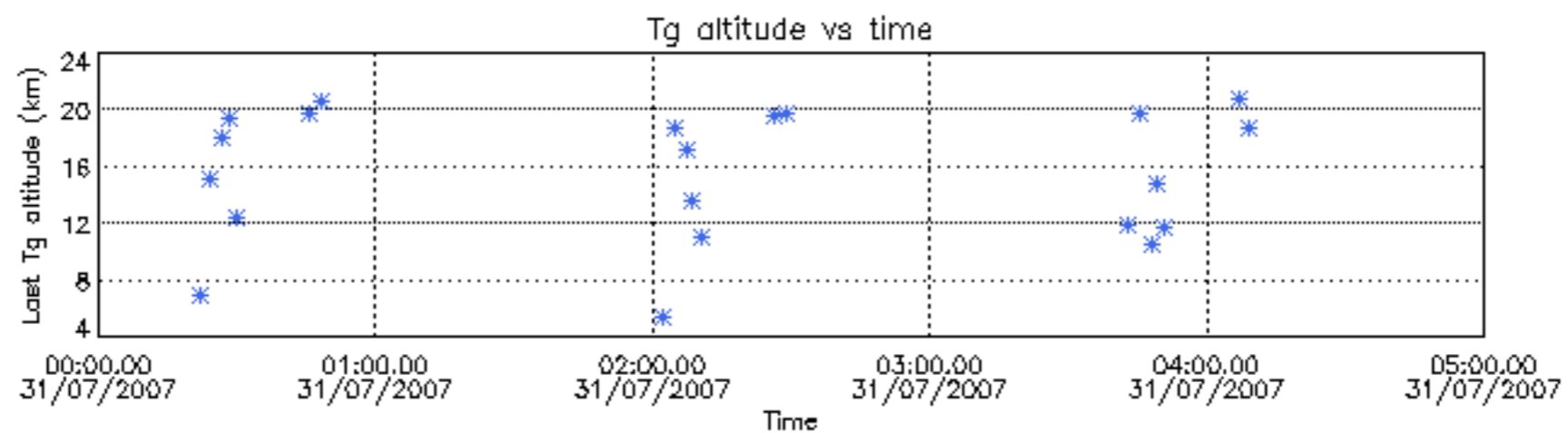
Percentage of star falling outside central band per profile



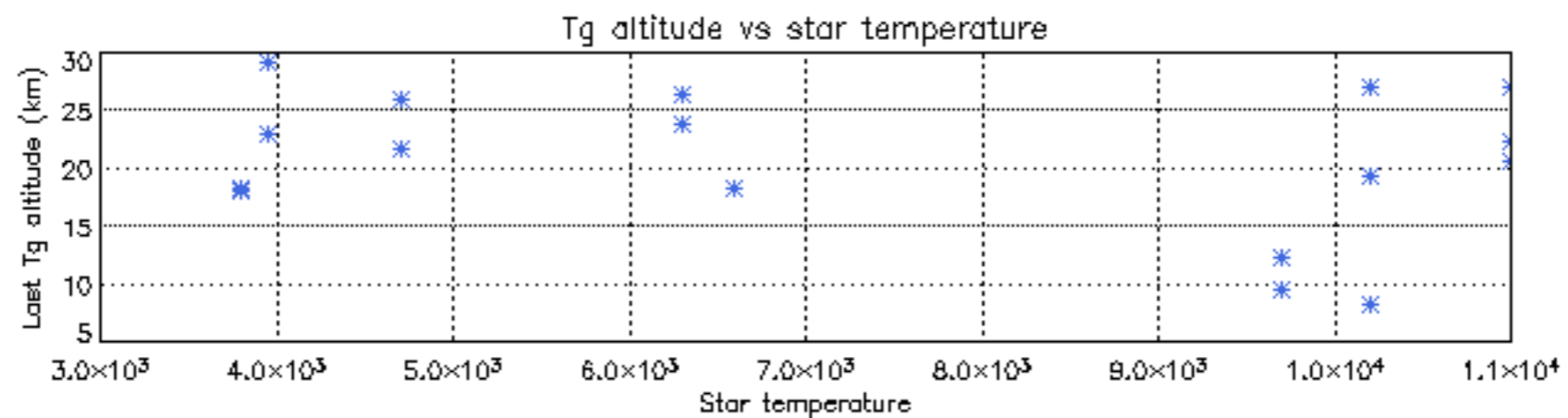
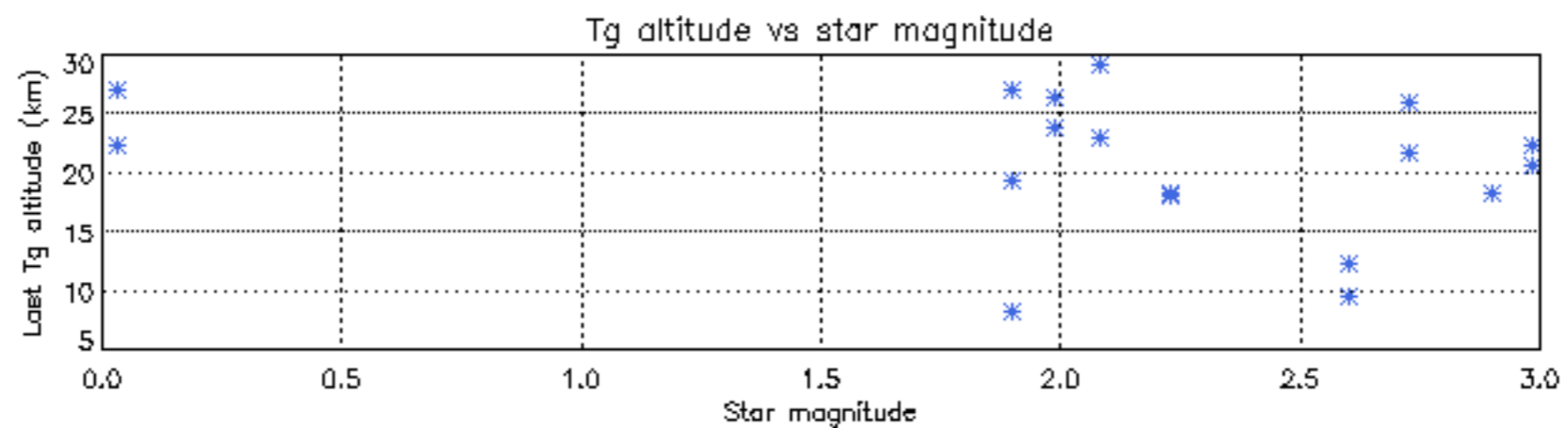
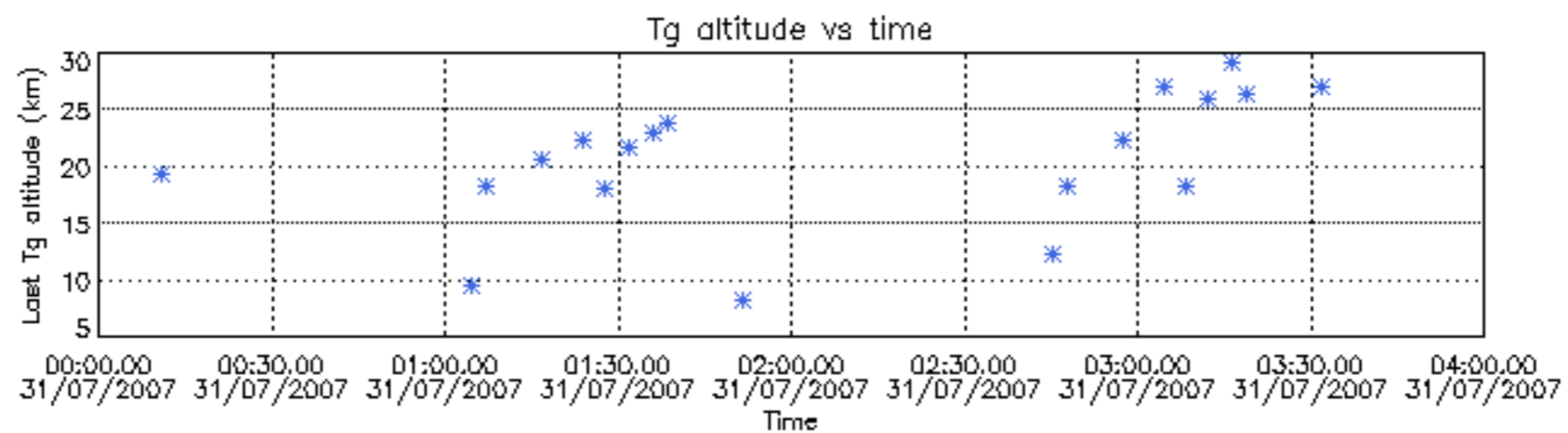
Percentage of saturation errors per profile

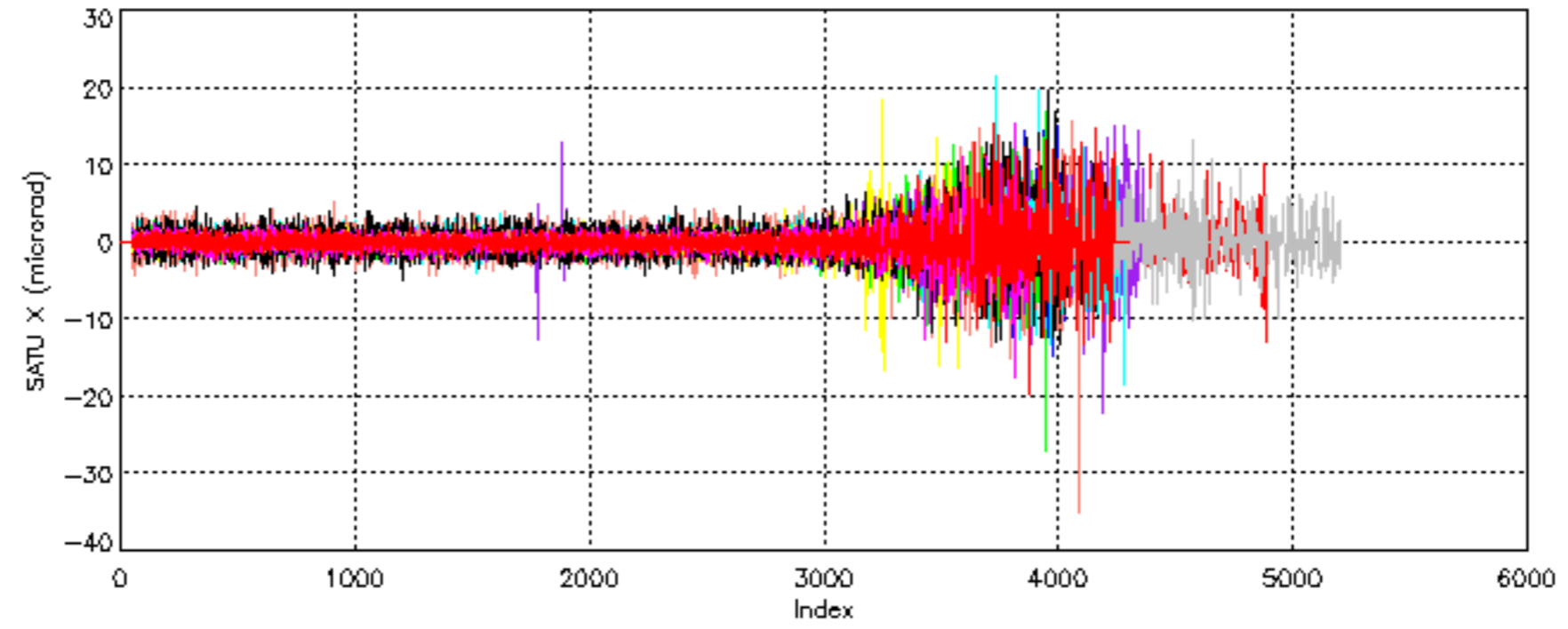


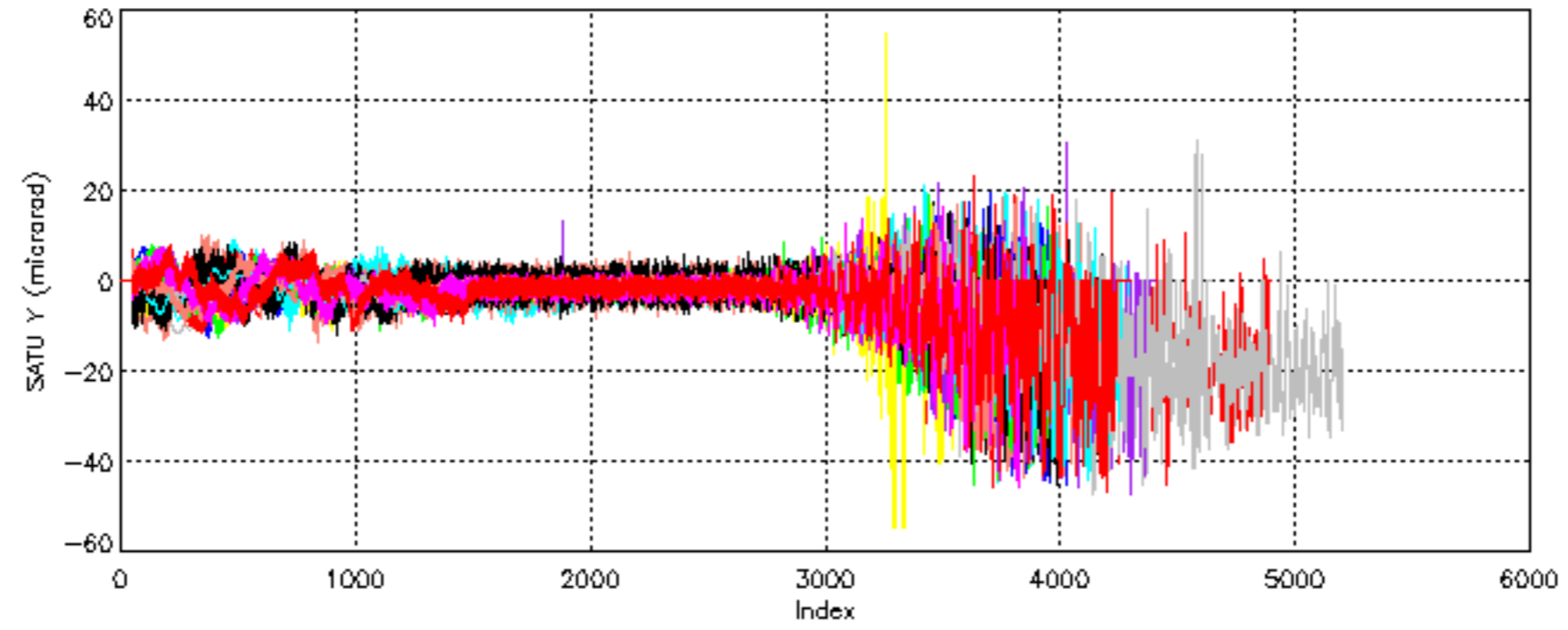
Tangent altitude at which the star is lost

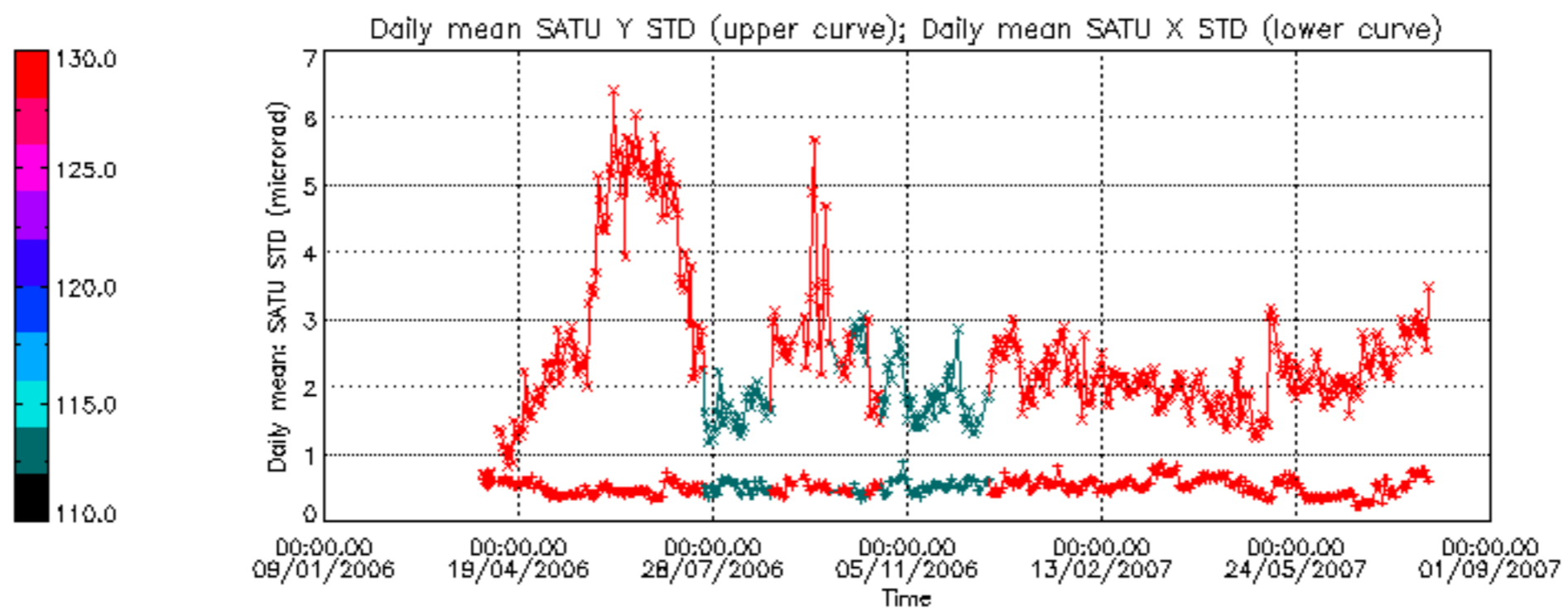


Tangent altitude at which the star is lost









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13; 1982.3; 01-JUL-2007 03:37:19; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;27885
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