

GOMOS Daily Report 27-JUN-2010

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	30JUN2010 04:48:53
Data source version	GOMOS/5.01
Start time of products	27JUN2010 00:07:25
Stop time of products	27JUN2010 23:58:47
Store outputs in DB	Yes
Nb of level 1b prods	126
Nb of prods with errors	0

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

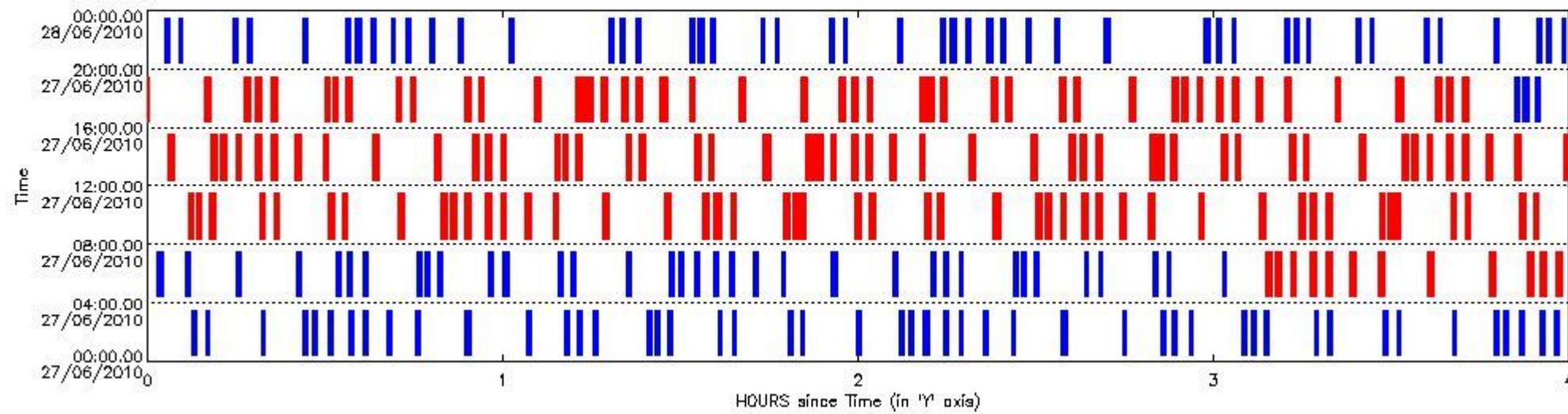
2.1 Level 0 products arrived in PCF (see template [here](#))

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
27-JUN-2010 07:08:47	11BetCas	74	43518
27-JUN-2010 07:10:24	18AlpCas	68	43518
27-JUN-2010 07:12:58	23GamPer	160	43518
27-JUN-2010 07:16:23	57Gam1And	73	43518
27-JUN-2010 07:18:54	4BetTri	173	43518
27-JUN-2010 07:22:55	13AlpAri	50	43518
27-JUN-2010 07:27:48	92AlpCet	94	43518
27-JUN-2010 07:36:09	DSA1066	0	43518
27-JUN-2010 07:46:31	AlpPhe	84	43519
27-JUN-2010 07:53:01	BetGru	63	43519
27-JUN-2010 07:55:01	AlpGru	31	43519
27-JUN-2010 07:57:46	AlpPav	45	43519
27-JUN-2010 08:06:48	20EpsSgr	38	43519
27-JUN-2010 08:08:11	19DelSgr	116	43519
27-JUN-2010 08:10:19	41PiSgr	155	43519

27-JUN-2010 08:18:53	60BetOph	126	43519
27-JUN-2010 08:21:15	55AlpOph	59	43519
27-JUN-2010 08:30:31	3AlpLyr	5	43519
27-JUN-2010 08:32:48	23BetDra	130	43519
27-JUN-2010 08:42:11	5AlpCep	89	43519
27-JUN-2010 08:49:22	11BetCas	74	43519
27-JUN-2010 08:50:59	18AlpCas	68	43519
27-JUN-2010 08:53:34	23GamPer	160	43519
27-JUN-2010 08:56:59	57Gam1And	73	43519
27-JUN-2010 08:59:30	4BetTri	173	43519
27-JUN-2010 09:03:31	13AlpAri	50	43519
27-JUN-2010 09:08:25	92AlpCet	94	43519
27-JUN-2010 09:16:46	DSA1066	0	43519
27-JUN-2010 09:27:08	AlpPhe	84	43520
27-JUN-2010 09:33:38	BetGru	63	43520
27-JUN-2010 09:35:38	AlpGru	31	43520
27-JUN-2010 09:38:23	AlpPav	45	43520
27-JUN-2010 09:47:24	20EpsSgr	38	43520
27-JUN-2010 09:48:47	19DelSgr	116	43520
27-JUN-2010 09:50:01	22LamSgr	137	43520
27-JUN-2010 09:59:29	60BetOph	126	43520
27-JUN-2010 10:01:51	55AlpOph	59	43520
27-JUN-2010 10:11:06	3AlpLyr	5	43520
27-JUN-2010 10:13:24	23BetDra	130	43520
27-JUN-2010 10:22:46	5AlpCep	89	43520
27-JUN-2010 10:29:57	11BetCas	74	43520
27-JUN-2010 10:31:35	18AlpCas	68	43520
27-JUN-2010 10:34:10	23GamPer	160	43520
27-JUN-2010 10:37:34	57Gam1And	73	43520
27-JUN-2010 10:40:06	4BetTri	173	43520
27-JUN-2010 10:44:08	13AlpAri	50	43520
27-JUN-2010 10:49:01	92AlpCet	94	43520
27-JUN-2010 10:57:23	DSA1066	0	43520
27-JUN-2010 11:07:45	AlpPhe	84	43521
27-JUN-2010 11:14:15	BetGru	63	43521
27-JUN-2010 11:16:15	AlpGru	31	43521
27-JUN-2010 11:18:59	AlpPav	45	43521
27-JUN-2010 11:28:00	20EpsSgr	38	43521
27-JUN-2010 11:29:24	19DelSgr	116	43521
27-JUN-2010 11:30:37	22LamSgr	137	43521
27-JUN-2010 11:40:05	60BetOph	126	43521
27-JUN-2010 11:42:27	55AlpOph	59	43521
27-JUN-2010 11:51:41	3AlpLyr	5	43521
27-JUN-2010 11:54:00	23BetDra	130	43521
27-JUN-2010 12:03:21	5AlpCep	89	43521
27-JUN-2010 12:10:33	11BetCas	74	43521
27-JUN-2010 12:12:10	18AlpCas	68	43521
27-JUN-2010 12:14:46	23GamPer	160	43521
27-JUN-2010 12:18:10	57Gam1And	73	43521
27-JUN-2010 12:20:42	4BetTri	173	43521
27-JUN-2010 12:24:44	13AlpAri	50	43521
27-JUN-2010 12:29:37	92AlpCet	94	43521
27-JUN-2010 12:38:00	DSA1066	0	43521
27-JUN-2010 12:48:22	AlpPhe	84	43522
27-JUN-2010 12:54:52	BetGru	63	43522
27-JUN-2010 12:56:51	AlpGru	31	43522
27-JUN-2010 12:59:36	AlpPav	45	43522
27-JUN-2010 13:08:36	20EpsSgr	38	43522
27-JUN-2010 13:10:00	19DelSgr	116	43522

27-JUN-2010 13:12:07	41PiSgr	155	43522
27-JUN-2010 13:20:41	60BetOph	126	43522
27-JUN-2010 13:23:03	55AlpOph	59	43522
27-JUN-2010 13:32:17	3AlpLyr	5	43522
27-JUN-2010 13:34:36	23BetDra	130	43522
27-JUN-2010 13:43:57	5AlpCep	89	43522
27-JUN-2010 13:51:08	11BetCas	74	43522
27-JUN-2010 13:52:46	18AlpCas	68	43522
27-JUN-2010 13:55:21	23GamPer	160	43522
27-JUN-2010 13:58:46	57Gam1And	73	43522
27-JUN-2010 14:01:18	4BetTri	173	43522
27-JUN-2010 14:05:20	13AlpAri	50	43522
27-JUN-2010 14:10:14	92AlpCet	94	43522
27-JUN-2010 14:18:36	DSA1066	0	43522
27-JUN-2010 14:28:59	AlpPhe	84	43523
27-JUN-2010 14:35:29	BetGru	63	43523
27-JUN-2010 14:37:28	AlpGru	31	43523
27-JUN-2010 14:40:12	AlpPav	45	43523
27-JUN-2010 14:49:13	20EpsSgr	38	43523
27-JUN-2010 14:50:36	19DelSgr	116	43523
27-JUN-2010 14:52:43	41PiSgr	155	43523
27-JUN-2010 15:01:17	60BetOph	126	43523
27-JUN-2010 15:03:38	55AlpOph	59	43523
27-JUN-2010 15:12:52	3AlpLyr	5	43523
27-JUN-2010 15:15:11	23BetDra	130	43523
27-JUN-2010 15:24:32	5AlpCep	89	43523
27-JUN-2010 15:31:44	11BetCas	74	43523
27-JUN-2010 15:33:21	18AlpCas	68	43523
27-JUN-2010 15:35:57	23GamPer	160	43523
27-JUN-2010 15:39:22	57Gam1And	73	43523
27-JUN-2010 15:41:54	4BetTri	173	43523
27-JUN-2010 15:45:56	13AlpAri	50	43523
27-JUN-2010 15:50:50	92AlpCet	94	43523
27-JUN-2010 15:59:13	DSA1066	0	43523
27-JUN-2010 16:09:35	AlpPhe	84	43524
27-JUN-2010 16:16:06	BetGru	63	43524
27-JUN-2010 16:18:05	AlpGru	31	43524
27-JUN-2010 16:20:49	AlpPav	45	43524
27-JUN-2010 16:29:49	20EpsSgr	38	43524
27-JUN-2010 16:31:12	19DelSgr	116	43524
27-JUN-2010 16:33:20	41PiSgr	155	43524
27-JUN-2010 16:41:53	60BetOph	126	43524
27-JUN-2010 16:44:14	55AlpOph	59	43524
27-JUN-2010 16:53:27	3AlpLyr	5	43524
27-JUN-2010 16:55:47	23BetDra	130	43524
27-JUN-2010 17:05:07	5AlpCep	89	43524
27-JUN-2010 17:12:19	11BetCas	74	43524
27-JUN-2010 17:13:57	18AlpCas	68	43524
27-JUN-2010 17:16:33	23GamPer	160	43524
27-JUN-2010 17:19:58	57Gam1And	73	43524
27-JUN-2010 17:22:30	4BetTri	173	43524
27-JUN-2010 17:26:32	13AlpAri	50	43524
27-JUN-2010 17:31:26	92AlpCet	94	43524
27-JUN-2010 17:39:50	DSA1066	0	43524
27-JUN-2010 17:50:12	AlpPhe	84	43525
27-JUN-2010 17:56:43	BetGru	63	43525
27-JUN-2010 17:58:42	AlpGru	31	43525
27-JUN-2010 18:01:25	AlpPav	45	43525
27-JUN-2010 18:10:25	20EpsSgr	38	43525

27-JUN-2010 18:11:48	19DelSgr	116	43525
27-JUN-2010 18:13:56	41PiSgr	155	43525
27-JUN-2010 18:22:29	60BetOph	126	43525
27-JUN-2010 18:24:50	55AlpOph	59	43525
27-JUN-2010 18:34:03	3AlpLyr	5	43525
27-JUN-2010 18:36:23	23BetDra	130	43525
27-JUN-2010 18:45:42	5AlpCep	89	43525
27-JUN-2010 18:52:55	11BetCas	74	43525
27-JUN-2010 18:54:32	18AlpCas	68	43525
27-JUN-2010 18:57:09	23GamPer	160	43525
27-JUN-2010 19:00:34	57Gam1And	73	43525
27-JUN-2010 19:03:06	4BetTri	173	43525
27-JUN-2010 19:07:09	13AlpAri	50	43525
27-JUN-2010 19:12:03	92AlpCet	94	43525
27-JUN-2010 19:20:26	DSA1066	0	43525
27-JUN-2010 19:30:49	AlpPhe	84	43526
27-JUN-2010 19:37:19	BetGru	63	43526
27-JUN-2010 19:39:19	AlpGru	31	43526
27-JUN-2010 19:42:02	AlpPav	45	43526

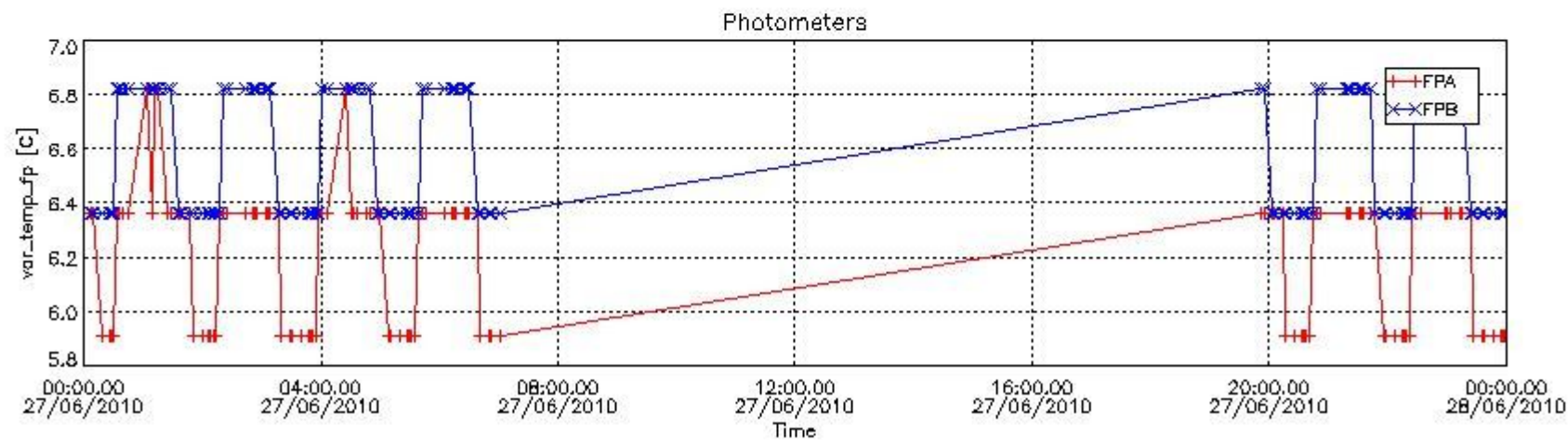
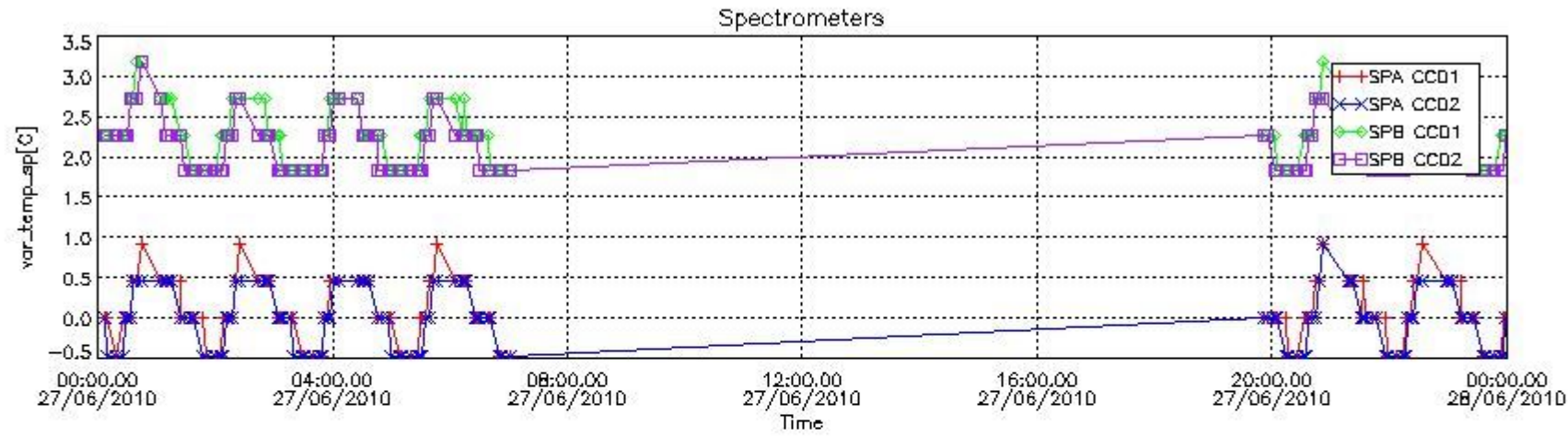
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100627_000725_000000412090_00374_43514_2329.N1	27-JUN-2010 00:07:25	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43514	No
2	GOM_TRA_1PNPDE20100627_000941_000000352090_00374_43514_2330.N1	27-JUN-2010 00:09:41	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	43514	No
3	GOM_TRA_1PNPDE20100627_001905_000000452090_00374_43514_2331.N1	27-JUN-2010 00:19:05	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43514	No
4	GOM_TRA_1PNPDE20100627_002615_000000492090_00374_43514_2332.N1	27-JUN-2010 00:26:15	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	43514	No
5	GOM_TRA_1PNPDE20100627_002752_000000472090_00374_43514_2333.N1	27-JUN-2010 00:27:52	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	43514	No
6	GOM_TRA_1PNPDE20100627_003025_000000542090_00374_43514_2334.N1	27-JUN-2010 00:30:25	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	43514	No
7	GOM_TRA_1PNPDE20100627_003350_000000462090_00374_43514_2335.N1	27-JUN-2010 00:33:50	Bright	45.500	73	57Gam1And	2.2600	13100.	91	43514	No
8	GOM_TRA_1PNPDE20100627_003620_000000482090_00374_43514_2336.N1	27-JUN-2010 00:36:20	Twilight	47.500	173	4Bet Tri	3.0040	8900.0	95	43514	No
9	GOM_TRA_1PNPDE20100627_004021_000000552090_00374_43514_2337.N1	27-JUN-2010 00:40:21	Dark	55.000	50	13Alp Ari	2.0070	4250.0	110	43514	No
10	GOM_TRA_1PNPDE20100627_004514_000000422090_00374_43514_2338.N1	27-JUN-2010 00:45:14	Dark	42.000	94	92Alp Cet	2.5260	3100.0	84	43514	No
11	GOM_TRA_1PNPDE20100627_010354_000000482090_00375_43515_2361.N1	27-JUN-2010 01:03:54	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43515	No
12	GOM_TRA_1PNPDE20100627_011024_000000492090_00375_43515_2362.N1	27-JUN-2010 01:10:24	Straylight	48.500	63	Bet Gru	2.1500	2800.0	97	43515	No
13	GOM_TRA_1PNPDE20100627_011224_000000602090_00375_43515_2363.N1	27-JUN-2010 01:12:24	Straylight	60.000	31	Alp Gru	1.7340	15200.	120	43515	No
14	GOM_TRA_1PNPDE20100627_011511_000000442090_00375_43515_2364.N1	27-JUN-2010 01:15:11	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43515	No
15	GOM_TRA_1PNPDE20100627_012414_000000442090_00375_43515_2365.N1	27-JUN-2010 01:24:14	Twilight	43.500	38	20Eps Sgr	1.8360	11000.	87	43515	No
16	GOM_TRA_1PNPDE20100627_012537_000000472090_00375_43515_2366.N1	27-JUN-2010 01:25:37	Bright	47.000	116	19Del Sgr	2.7000	4100.0	94	43515	No
17	GOM_TRA_1PNPDE20100627_012745_000000472090_00375_43515_2367.N1	27-JUN-2010 01:27:45	Bright	47.000	155	41Pi Sgr	2.9000	6600.0	94	43515	No
18	GOM_TRA_1PNPDE20100627_013620_000000392090_00375_43515_2368.N1	27-JUN-2010 01:36:20	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	43515	No
19	GOM_TRA_1PNPDE20100627_013843_000000382090_00375_43515_2369.N1	27-JUN-2010 01:38:43	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	43515	No
20	GOM_TRA_1PNPDE20100627_014800_000000502090_00375_43515_2370.N1	27-JUN-2010 01:48:00	Bright	50.000	5	3Alp Lyr	0.033000	11000.	100	43515	No
21	GOM_TRA_1PNPDE20100627_015016_000000392090_00375_43515_2371.N1	27-JUN-2010 01:50:16	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	43515	No
22	GOM_TRA_1PNPDE20100627_015940_000000462090_00375_43515_2372.N1	27-JUN-2010 01:59:40	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43515	No
23	GOM_TRA_1PNPDE20100627_020651_000000472090_00375_43515_2373.N1	27-JUN-2010 02:06:51	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	43515	No
24	GOM_TRA_1PNPDE20100627_020828_000000482090_00375_43515_2374.N1	27-JUN-2010 02:08:28	Bright	48.000	68	18Alp Cas	2.2250	4500.0	96	43515	No
25	GOM_TRA_1PNPDE20100627_021100_000000542090_00375_43515_2375.N1	27-JUN-2010 02:11:00	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	43515	No
26	GOM_TRA_1PNPDE20100627_021426_000000502090_00375_43515_2376.N1	27-JUN-2010 02:14:26	Bright	49.500	73	57Gam1And	2.2600	13100.	99	43515	No
27	GOM_TRA_1PNPDE20100627_021656_000000472090_00375_43515_2377.N1	27-JUN-2010 02:16:56	Twilight	47.000	173	4Bet Tri	3.0040	8900.0	94	43515	No
28	GOM_TRA_1PNPDE20100627_022057_000000552090_00375_43515_2378.N1	27-JUN-2010 02:20:57	Dark	55.000	50	13Alp Ari	2.0070	4250.0	110	43515	No
29	GOM_TRA_1PNPDE20100627_022550_000000432090_00375_43515_2379.N1	27-JUN-2010 02:25:50	Dark	42.500	94	92Alp Cet	2.5260	3100.0	85	43515	No
30	GOM_TRA_1PNPDE20100627_024431_000000462090_00376_43516_2380.N1	27-JUN-2010 02:44:31	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	43516	No
31	GOM_TRA_1PNPDE20100627_025101_000000532090_00376_43516_2381.N1	27-JUN-2010 02:51:01	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	43516	No
32	GOM_TRA_1PNPDE20100627_025301_000000522090_00376_43516_2382.N1	27-JUN-2010 02:53:01	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	43516	No
33	GOM_TRA_1PNPDE20100627_025548_000000432090_00376_43516_2383.N1	27-JUN-2010 02:55:48	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43516	No
34	GOM_TRA_1PNPDE20100627_030450_000000452090_00376_43516_2384.N1	27-JUN-2010 03:04:50	Twilight	44.500	38	20Eps Sgr	1.8360	11000.	89	43516	No
35	GOM_TRA_1PNPDE20100627_030613_000000552090_00376_43516_2385.N1	27-JUN-2010 03:06:13	Bright	54.500	116	19Del Sgr	2.7000	4100.0	109	43516	No

36	GOM_TRA_1PNPDE20100627_030821_000000492090_00376_43516_2386.N1	27-JUN-2010 03:08:21	Bright	49.000	155	41Pi Sgr	2.9000	6600.0	98	43516	No
37	GOM_TRA_1PNPDE20100627_031656_000000392090_00376_43516_2387.N1	27-JUN-2010 03:16:56	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	43516	No
38	GOM_TRA_1PNPDE20100627_031918_000000392090_00376_43516_2388.N1	27-JUN-2010 03:19:18	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	43516	No
39	GOM_TRA_1PNPDE20100627_032835_000000442090_00376_43516_2389.N1	27-JUN-2010 03:28:35	Bright	44.000	5	3Alp Lyr	0.033000	11000.	88	43516	No
40	GOM_TRA_1PNPDE20100627_033052_000000362090_00376_43516_2390.N1	27-JUN-2010 03:30:52	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	43516	No
41	GOM_TRA_1PNPDE20100627_034016_000000452090_00376_43516_2391.N1	27-JUN-2010 03:40:16	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43516	No
42	GOM_TRA_1PNPDE20100627_034726_000000482090_00376_43516_2392.N1	27-JUN-2010 03:47:26	Bright	47.500	74	11Bet Cas	2.2680	6600.0	95	43516	No
43	GOM_TRA_1PNPDE20100627_034903_000000492090_00376_43516_2393.N1	27-JUN-2010 03:49:03	Bright	49.000	68	18Alp Cas	2.2250	4500.0	98	43516	No
44	GOM_TRA_1PNPDE20100627_035137_000000552090_00376_43516_2394.N1	27-JUN-2010 03:51:37	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	43516	No
45	GOM_TRA_1PNPDE20100627_035502_000000492090_00376_43516_2395.N1	27-JUN-2010 03:55:02	Bright	48.500	73	57Gam1And	2.2600	13100.	97	43516	No
46	GOM_TRA_1PNPDE20100627_035732_000000472090_00376_43516_2396.N1	27-JUN-2010 03:57:32	Tw_i_and_stray	47.000	173	4Bet Tri	3.0040	8900.0	94	43516	No
47	GOM_TRA_1PNPDE20100627_040133_000000542090_00376_43516_2397.N1	27-JUN-2010 04:01:33	Dark	54.000	50	13Alp Ari	2.0070	4250.0	108	43516	No
48	GOM_TRA_1PNPDE20100627_040627_000000392090_00376_43516_2398.N1	27-JUN-2010 04:06:27	Dark	38.500	94	92Alp Cet	2.5260	3100.0	77	43516	No
49	GOM_TRA_1PNPDE20100627_042508_000000492090_00377_43517_2399.N1	27-JUN-2010 04:25:08	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	43517	No
50	GOM_TRA_1PNPDE20100627_043138_000000522090_00377_43517_2400.N1	27-JUN-2010 04:31:38	Straylight	51.500	63	Bet Gru	2.1500	2800.0	103	43517	No
51	GOM_TRA_1PNPDE20100627_043338_000000502090_00377_43517_2401.N1	27-JUN-2010 04:33:38	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	43517	No
52	GOM_TRA_1PNPDE20100627_043624_000000432090_00377_43517_2402.N1	27-JUN-2010 04:36:24	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43517	No
53	GOM_TRA_1PNPDE20100627_044526_000000432090_00377_43517_2403.N1	27-JUN-2010 04:45:26	Tw_i_and_stray	43.000	38	20Eps Sgr	1.8360	11000.	86	43517	No
54	GOM_TRA_1PNPDE20100627_044649_000000482090_00377_43517_2404.N1	27-JUN-2010 04:46:49	Bright	48.000	116	19Del Sgr	2.7000	4100.0	96	43517	No
55	GOM_TRA_1PNPDE20100627_044857_000000492090_00377_43517_2405.N1	27-JUN-2010 04:48:57	Bright	48.500	155	41Pi Sgr	2.9000	6600.0	97	43517	No
56	GOM_TRA_1PNPDE20100627_045732_000000392090_00377_43517_2406.N1	27-JUN-2010 04:57:32	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	43517	No
57	GOM_TRA_1PNPDE20100627_045954_000000562090_00377_43517_2407.N1	27-JUN-2010 04:59:54	Bright	56.000	59	55Alp Oph	2.0800	8900.0	112	43517	No
58	GOM_TRA_1PNPDE20100627_050911_000000472090_00377_43517_2408.N1	27-JUN-2010 05:09:11	Bright	47.000	5	3Alp Lyr	0.033000	11000.	94	43517	No
59	GOM_TRA_1PNPDE20100627_051128_000000392090_00377_43517_2409.N1	27-JUN-2010 05:11:28	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	43517	No
60	GOM_TRA_1PNPDE20100627_052051_000000472090_00377_43517_2410.N1	27-JUN-2010 05:20:51	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43517	No
61	GOM_TRA_1PNPDE20100627_052802_000000492090_00377_43517_2417.N1	27-JUN-2010 05:28:02	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	43517	No
62	GOM_TRA_1PNPDE20100627_052938_000000492090_00377_43517_2418.N1	27-JUN-2010 05:29:38	Bright	48.500	68	18Alp Cas	2.2250	4500.0	97	43517	No
63	GOM_TRA_1PNPDE20100627_053212_000000552090_00377_43517_2419.N1	27-JUN-2010 05:32:12	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	43517	No
64	GOM_TRA_1PNPDE20100627_053537_000000472090_00377_43517_2420.N1	27-JUN-2010 05:35:37	Bright	46.500	73	57Gam1And	2.2600	13100.	93	43517	No
65	GOM_TRA_1PNPDE20100627_053808_000000472090_00377_43517_2421.N1	27-JUN-2010 05:38:08	Tw_i_and_stray	46.500	173	4Bet Tri	3.0040	8900.0	93	43517	No
66	GOM_TRA_1PNPDE20100627_054209_000000542090_00377_43517_2422.N1	27-JUN-2010 05:42:09	Dark	54.000	50	13Alp Ari	2.0070	4250.0	108	43517	No
67	GOM_TRA_1PNPDE20100627_054703_000000382090_00377_43517_2423.N1	27-JUN-2010 05:47:03	Dark	38.000	94	92Alp Cet	2.5260	3100.0	76	43517	No
68	GOM_TRA_1PNPDE20100627_060545_000000462090_00378_43518_2424.N1	27-JUN-2010 06:05:45	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	43518	No
69	GOM_TRA_1PNPDE20100627_061215_000000532090_00378_43518_2425.N1	27-JUN-2010 06:12:15	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	43518	No
70	GOM_TRA_1PNPDE20100627_061415_000000502090_00378_43518_2426.N1	27-JUN-2010 06:14:15	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43518	No
71	GOM_TRA_1PNPDE20100627_061701_000000412090_00378_43518_2427.N1	27-JUN-2010 06:17:01	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	43518	No
72	GOM_TRA_1PNPDE20100627_062602_000000492090_00378_43518_2428.N1	27-JUN-2010 06:26:02	Tw_i_and_stray	48.500	38	20Eps Sgr	1.8360	11000.	97	43518	No
73	GOM_TRA_1PNPDE20100627_062726_000000482090_00378_43518_2429.N1	27-JUN-2010 06:27:26	Bright	48.000	116	19Del Sgr	2.7000	4100.0	96	43518	No
74	GOM_TRA_1PNPDE20100627_062934_000000492090_00378_43518_2430.N1	27-JUN-2010 06:29:34	Bright	48.500	155	41Pi Sgr	2.9000	6600.0	97	43518	No
75	GOM_TRA_1PNPDE20100627_063808_000000392090_00378_43518_2431.N1	27-JUN-2010 06:38:08	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	43518	No
76	GOM_TRA_1PNPDE20100627_064030_000000402090_00378_43518_2432.N1	27-JUN-2010 06:40:30	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	43518	No
77	GOM_TRA_1PNPDE20100627_064946_000000472090_00378_43518_2433.N1	27-JUN-2010 06:49:46	Bright	47.000	5	3Alp Lyr	0.033000	11000.	94	43518	No
78	GOM_TRA_1PNPDE20100627_065204_000000392090_00378_43518_2434.N1	27-JUN-2010 06:52:04	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	43518	No
79	GOM_TRA_1PNPDE20100627_070127_000000452090_00378_43518_2435.N1	27-JUN-2010 07:01:27	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43518	No
80	GOM_TRA_1PNPDE20100627_195052_000000452090_00386_43526_2532.N1	27-JUN-2010 19:50:52	Tw_i_and_stray	45.000	38	20Eps Sgr	1.8360	11000.	90	43526	No
81	GOM_TRA_1PNPDE20100627_195215_000000512090_00386_43526_2533.N1	27-JUN-2010 19:52:15	Bright	51.000	116	19Del Sgr	2.7000	4100.0	102	43526	No
82	GOM_TRA_1PNPDE20100627_195423_000000492090_00386_43526_2534.N1	27-JUN-2010 19:54:23	Bright	48.500	155	41Pi Sgr	2.9000	6600.0	97	43526	No
83	GOM_TRA_1PNPDE20100627_200255_000000392090_00386_43526_2535.N1	27-JUN-2010 20:02:55	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	43526	No
84	GOM_TRA_1PNPDE20100627_200517_000000372090_00386_43526_2536.N1	27-JUN-2010 20:05:17	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	43526	No
85	GOM_TRA_1PNPDE20100627_201429_000000482090_00386_43526_2537.N1	27-JUN-2010 20:14:29	Bright	48.000	5	3Alp Lyr	0.033000	11000.	96	43526	No
86	GOM_TRA_1PNPDE20100627_201649_000000402090_00386_43526_2538.N1	27-JUN-2010 20:16:49	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43526	No
87	GOM_TRA_1PNPDE20100627_202608_000000482090_00386_43526_2539.N1	27-JUN-2010 20:26:08	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43526	No
88	GOM_TRA_1PNPDE20100627_203321_000000462090_00386_43526_2540.N1	27-JUN-2010 20:33:21	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	43526	No
89	GOM_TRA_1PNPDE20100627_203459_000000682090_00386_43526_2541.N1	27-JUN-2010 20:34:59	Bright	68.000	68	18Alp Cas	2.2250	4500.0	136	43526	No
90	GOM_TRA_1PNPDE20100627_203736_000000542090_00386_43526_2542.N1	27-JUN-2010 20:37:36	Bright	53.500	160	23Gam Per	2.9300	4700.0	107	43526	No
91	GOM_TRA_1PNPDE20100627_204101_000000452090_00386_43526_2543.N1	27-JUN-2010 20:41:01	Bright	45.000	73	57Gam1And	2.2600	13100.	90	43526	No
92	GOM_TRA_1PNPDE20100627_204332_000000492090_00386_43526_2544.N1	27-JUN-2010 20:43:32	Tw_i_and_stray	49.000	173	4Bet Tri	3.0040	8900.0	98	43526	No
93	GOM_TRA_1PNPDE20100627_204736_000000552090_00386_43526_2545.N1	27-JUN-2010 20:47:36	Dark	55.000	50	13Alp Ari	2.0070	4250.0	110	43526	No
94	GOM_TRA_1PNPDE20100627_205229_000000452090_00386_43526_2549.N1	27-JUN-2010 20:52:29	Dark	44.500	94	92Alp Cet	2.5260	3100.0	89	43526	No

95	GOM_TRA_1PNPDE20100627_211747_000000522090_00387_43527_2550.N1	27-JUN-2010 21:17:47	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	43527	No
96	GOM_TRA_1PNPDE20100627_211947_000000492090_00387_43527_2551.N1	27-JUN-2010 21:19:47	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43527	No
97	GOM_TRA_1PNPDE20100627_212229_000000422090_00387_43527_2552.N1	27-JUN-2010 21:22:29	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43527	No
98	GOM_TRA_1PNPDE20100627_213128_000000452090_00387_43527_2553.N1	27-JUN-2010 21:31:28	Tw_i_and_stray	44.500	38	20Eps Sgr	1.8360	11000.	89	43527	No
99	GOM_TRA_1PNPDE20100627_213251_000000562090_00387_43527_2554.N1	27-JUN-2010 21:32:51	Bright	56.000	116	19Del Sgr	2.7000	4100.0	112	43527	No
100	GOM_TRA_1PNPDE20100627_213459_000000482090_00387_43527_2555.N1	27-JUN-2010 21:34:59	Bright	47.500	155	41Pi Sgr	2.9000	6600.0	95	43527	No
101	GOM_TRA_1PNPDE20100627_214331_000000392090_00387_43527_2556.N1	27-JUN-2010 21:43:31	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	43527	No
102	GOM_TRA_1PNPDE20100627_214553_000000392090_00387_43527_2557.N1	27-JUN-2010 21:45:53	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	43527	No
103	GOM_TRA_1PNPDE20100627_215504_000000452090_00387_43527_2558.N1	27-JUN-2010 21:55:04	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	43527	No
104	GOM_TRA_1PNPDE20100627_215725_000000402090_00387_43527_2559.N1	27-JUN-2010 21:57:25	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	43527	No
105	GOM_TRA_1PNPDE20100627_220644_000000482090_00387_43527_2560.N1	27-JUN-2010 22:06:44	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43527	No
106	GOM_TRA_1PNPDE20100627_221356_000000472090_00387_43527_2561.N1	27-JUN-2010 22:13:56	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	43527	No
107	GOM_TRA_1PNPDE20100627_221534_000000492090_00387_43527_2562.N1	27-JUN-2010 22:15:34	Bright	49.000	68	18Alp Cas	2.2250	4500.0	98	43527	No
108	GOM_TRA_1PNPDE20100627_221812_000000482090_00387_43527_2563.N1	27-JUN-2010 22:18:12	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	43527	No
109	GOM_TRA_1PNPDE20100627_222136_000000582090_00387_43527_2564.N1	27-JUN-2010 22:21:36	Bright	58.000	73	57Gam1And	2.2600	13100.	116	43527	No
110	GOM_TRA_1PNPDE20100627_222408_000000472090_00387_43527_2565.N1	27-JUN-2010 22:24:08	Tw_i_and_stray	46.500	173	4Bet Tri	3.0040	8900.0	93	43527	No
111	GOM_TRA_1PNPDE20100627_222812_000000522090_00387_43527_2566.N1	27-JUN-2010 22:28:12	Dark	51.500	50	13Alp Ari	2.0070	4250.0	103	43527	No
112	GOM_TRA_1PNPDE20100627_223306_000000492090_00387_43527_2567.N1	27-JUN-2010 22:33:06	Dark	49.000	94	92Alp Cet	2.5260	3100.0	98	43527	No
113	GOM_TRA_1PNPDE20100627_225824_000000552090_00388_43528_2577.N1	27-JUN-2010 22:58:24	Straylight	54.500	63	Bet Gru	2.1500	2800.0	109	43528	No
114	GOM_TRA_1PNPDE20100627_230023_000000512090_00388_43528_2578.N1	27-JUN-2010 23:00:23	Straylight	51.000	31	Alp Gru	1.7340	15200.	102	43528	No
115	GOM_TRA_1PNPDE20100627_230305_000000412090_00388_43528_2579.N1	27-JUN-2010 23:03:05	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	43528	No
116	GOM_TRA_1PNPDE20100627_231204_000000462090_00388_43528_2580.N1	27-JUN-2010 23:12:04	Tw_i_and_stray	45.500	38	20Eps Sgr	1.8360	11000.	91	43528	No
117	GOM_TRA_1PNPDE20100627_231327_000000532090_00388_43528_2581.N1	27-JUN-2010 23:13:27	Bright	52.500	116	19Del Sgr	2.7000	4100.0	105	43528	No
118	GOM_TRA_1PNPDE20100627_231535_000000482090_00388_43528_2582.N1	27-JUN-2010 23:15:35	Bright	47.500	155	41Pi Sgr	2.9000	6600.0	95	43528	No
119	GOM_TRA_1PNPDE20100627_232407_000000412090_00388_43528_2583.N1	27-JUN-2010 23:24:07	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43528	No
120	GOM_TRA_1PNPDE20100627_232628_000000382090_00388_43528_2584.N1	27-JUN-2010 23:26:28	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	43528	No
121	GOM_TRA_1PNPDE20100627_233539_000000432090_00388_43528_2585.N1	27-JUN-2010 23:35:39	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	43528	No
122	GOM_TRA_1PNPDE20100627_233800_000000362090_00388_43528_2586.N1	27-JUN-2010 23:38:00	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	43528	No
123	GOM_TRA_1PNPDE20100627_234719_000000472090_00388_43528_2587.N1	27-JUN-2010 23:47:19	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43528	No
124	GOM_TRA_1PNPDE20100627_235432_000000482090_00388_43528_2588.N1	27-JUN-2010 23:54:32	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	43528	No
125	GOM_TRA_1PNPDE20100627_235609_000000512090_00388_43528_2589.N1	27-JUN-2010 23:56:09	Bright	51.000	68	18Alp Cas	2.2250	4500.0	102	43528	No
126	GOM_TRA_1PNPDE20100627_235847_000000382090_00388_43528_2590.N1	27-JUN-2010 23:58:47	Bright	38.000	160	23Gam Per	2.9300	4700.0	76	43528	No

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



4. Overview of dark signal processing per product

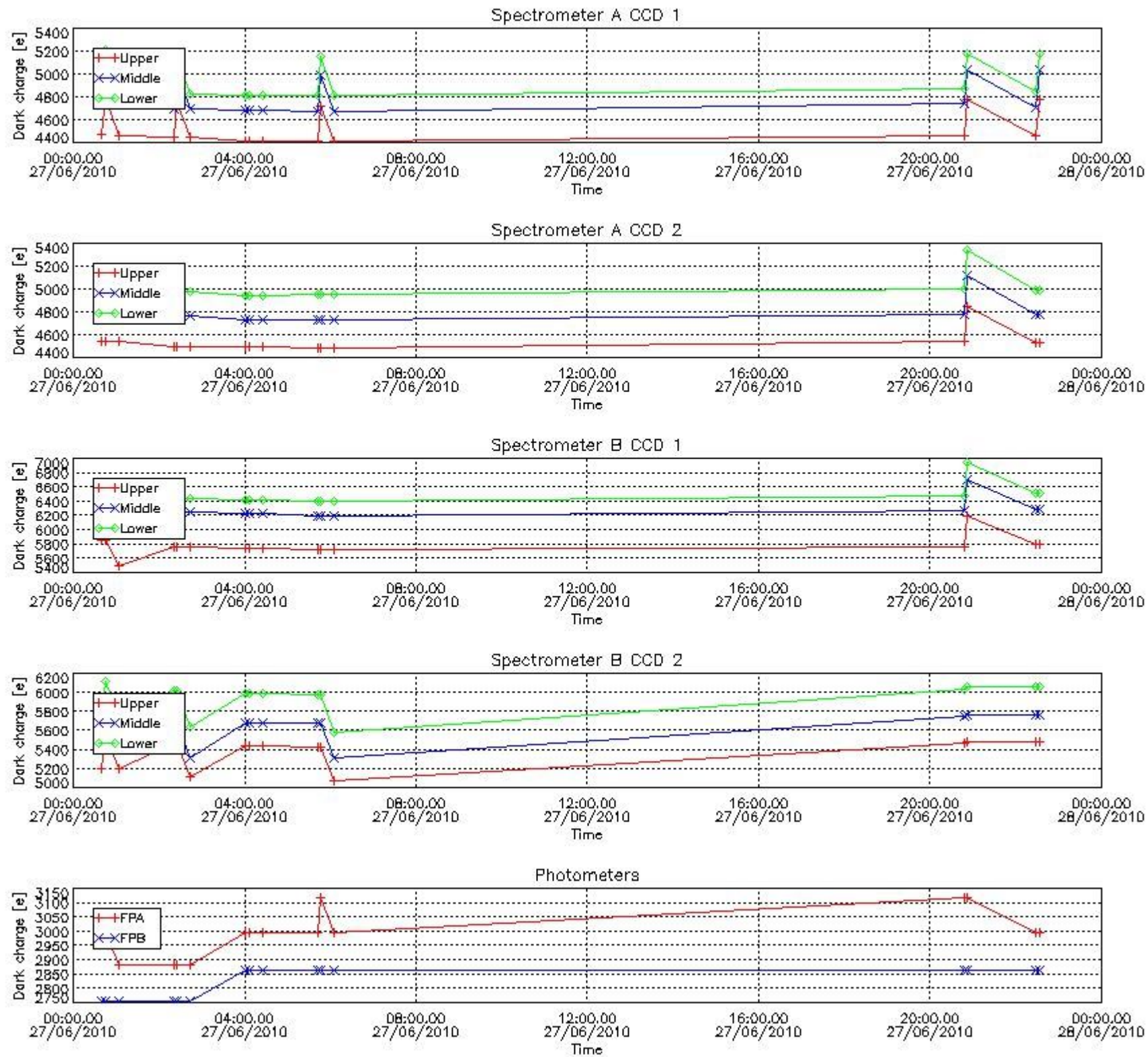
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100627_195052_000000452090_00386_43526_2532.N1	DC map used
GOM_TRA_1PNPDE20100627_195215_000000512090_00386_43526_2533.N1	DC map used
GOM_TRA_1PNPDE20100627_195423_000000492090_00386_43526_2534.N1	DC map used
GOM_TRA_1PNPDE20100627_200255_000000392090_00386_43526_2535.N1	DC map used
GOM_TRA_1PNPDE20100627_200517_000000372090_00386_43526_2536.N1	DC map used
GOM_TRA_1PNPDE20100627_201429_000000482090_00386_43526_2537.N1	DC map used
GOM_TRA_1PNPDE20100627_201649_000000402090_00386_43526_2538.N1	DC map used
GOM_TRA_1PNPDE20100627_202608_000000482090_00386_43526_2539.N1	DC map used
GOM_TRA_1PNPDE20100627_203321_000000462090_00386_43526_2540.N1	DC map used
GOM_TRA_1PNPDE20100627_203459_000000682090_00386_43526_2541.N1	DC map used
GOM_TRA_1PNPDE20100627_203736_000000542090_00386_43526_2542.N1	DC map used
GOM_TRA_1PNPDE20100627_204101_000000452090_00386_43526_2543.N1	DC map used
GOM_TRA_1PNPDE20100627_204332_000000492090_00386_43526_2544.N1	DC map used
GOM_TRA_1PNPDE20100627_204736_000000552090_00386_43526_2545.N1	DC map used

4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used



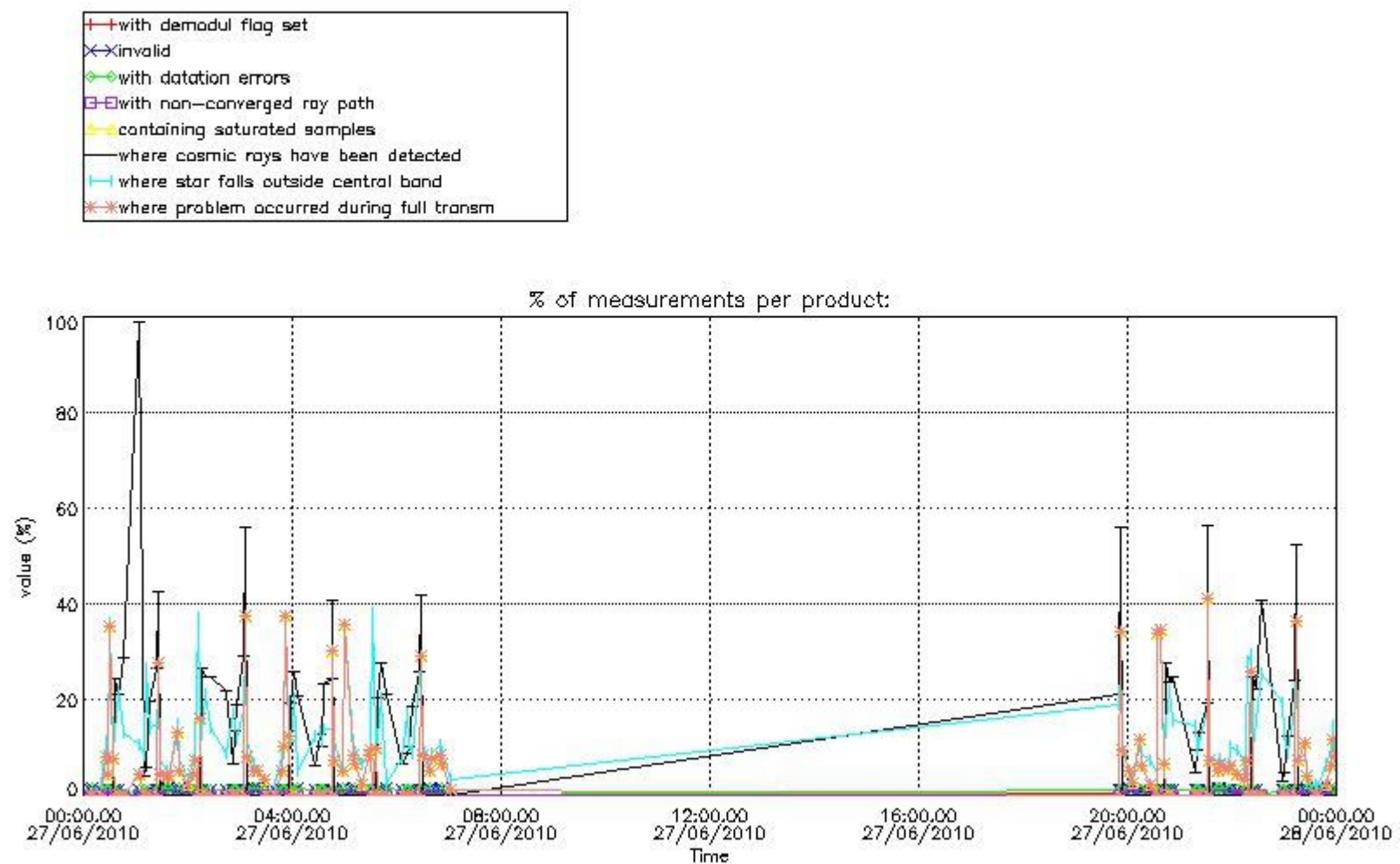
5. Demodulation flag and quality information monitoring

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.

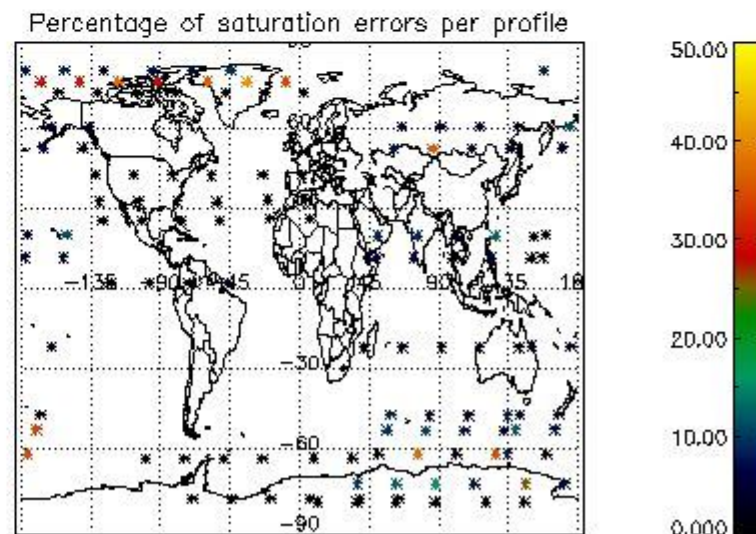
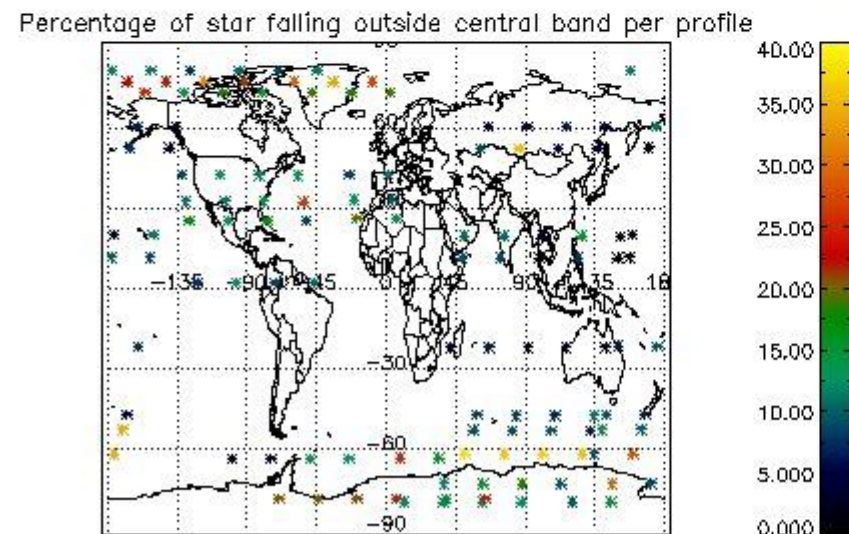
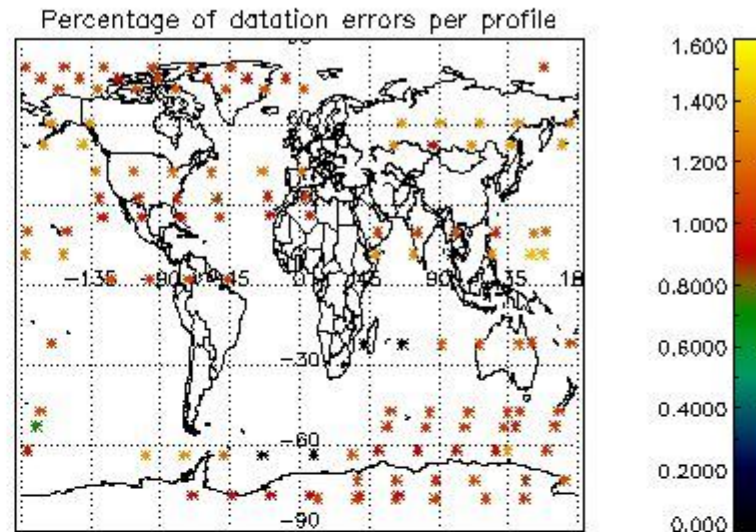
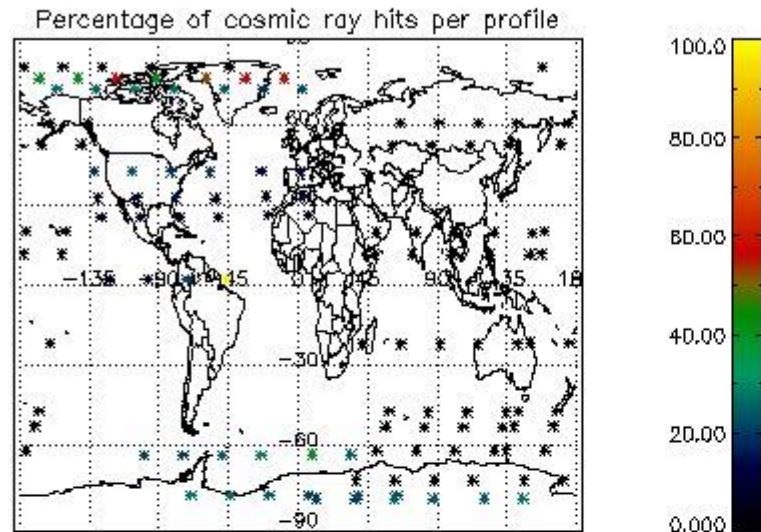
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	29.3651 %
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)



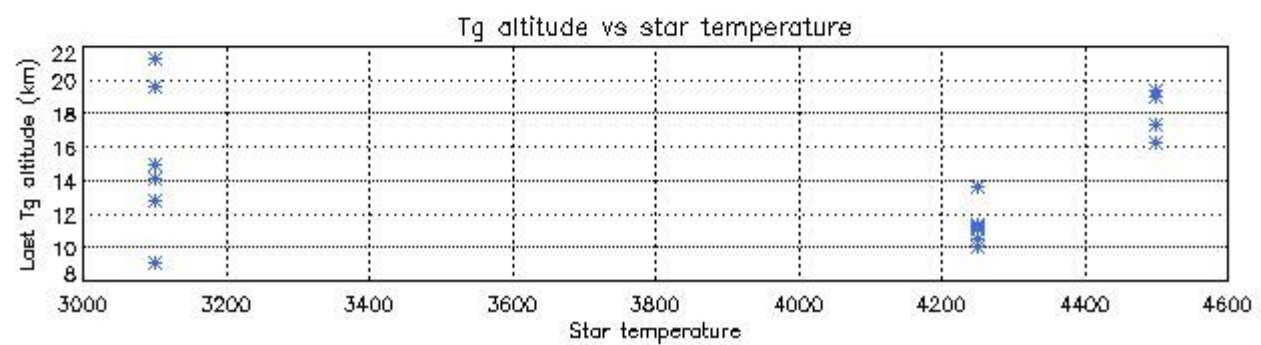
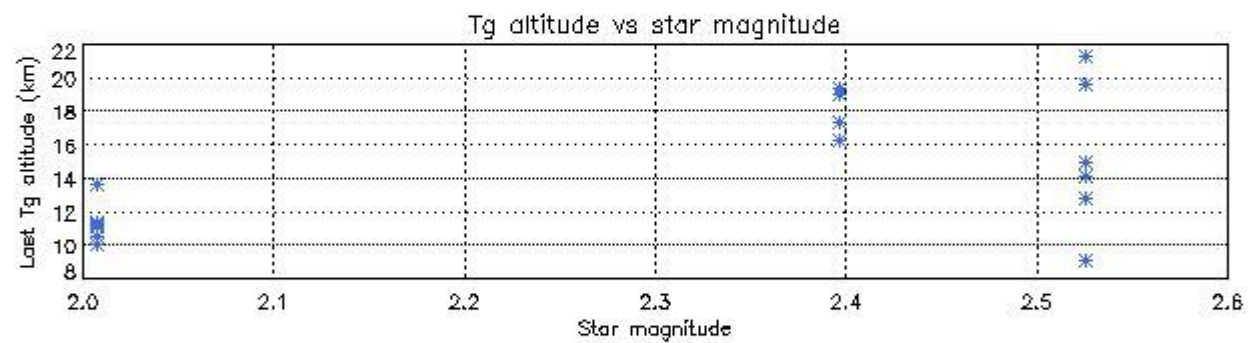
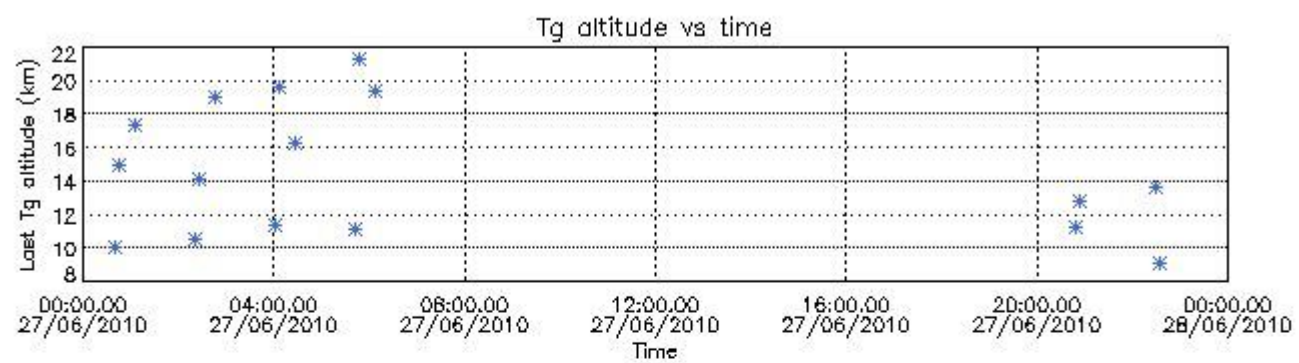
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.483	17.403	NaN
St. deviation:	3.8970	6.3050	NaN
Maximum:	21.316	27.598	NaN
Minimum:	9.1285	3.5994	NaN
Number of data:	16.000	79.000	NaN

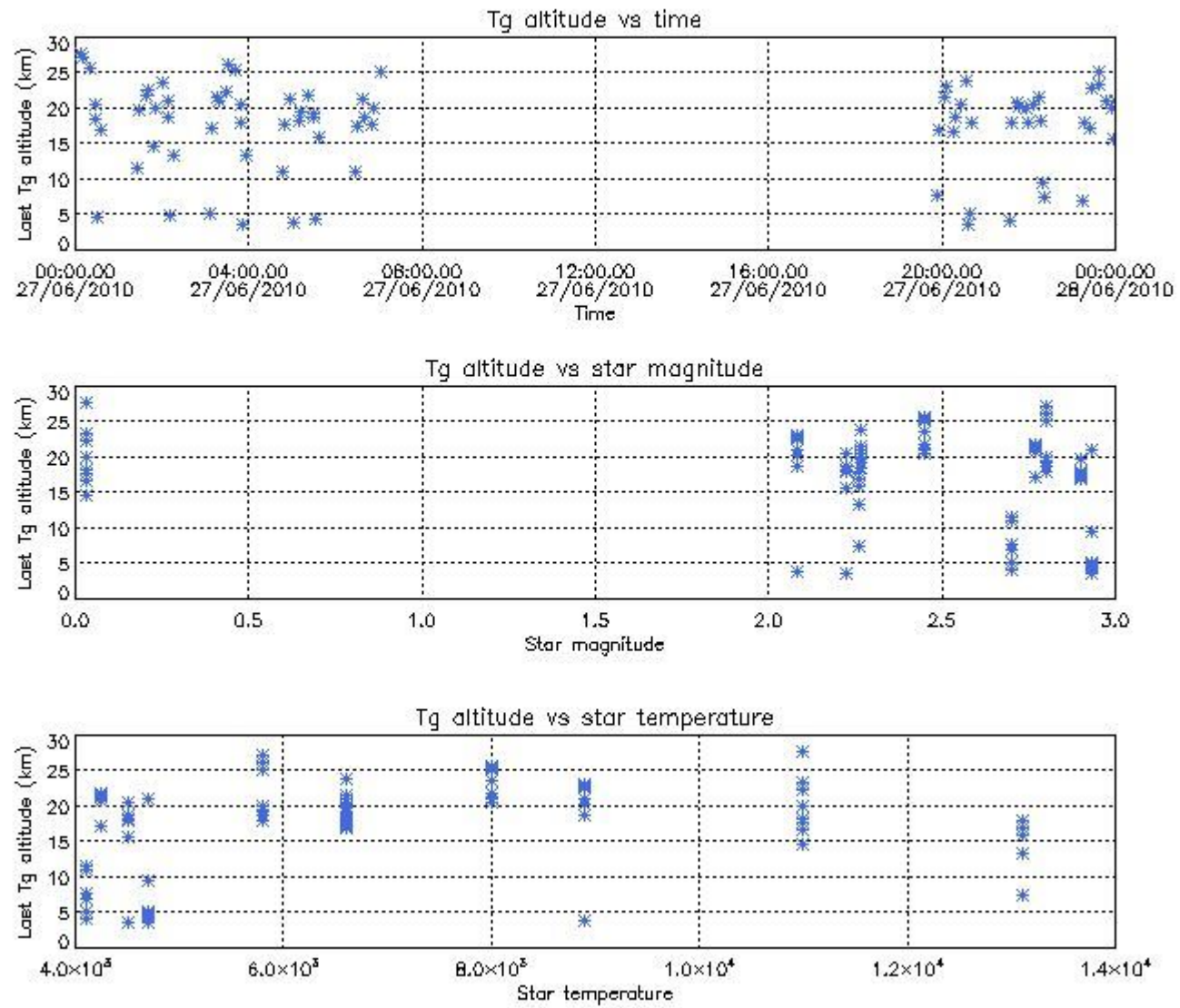
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

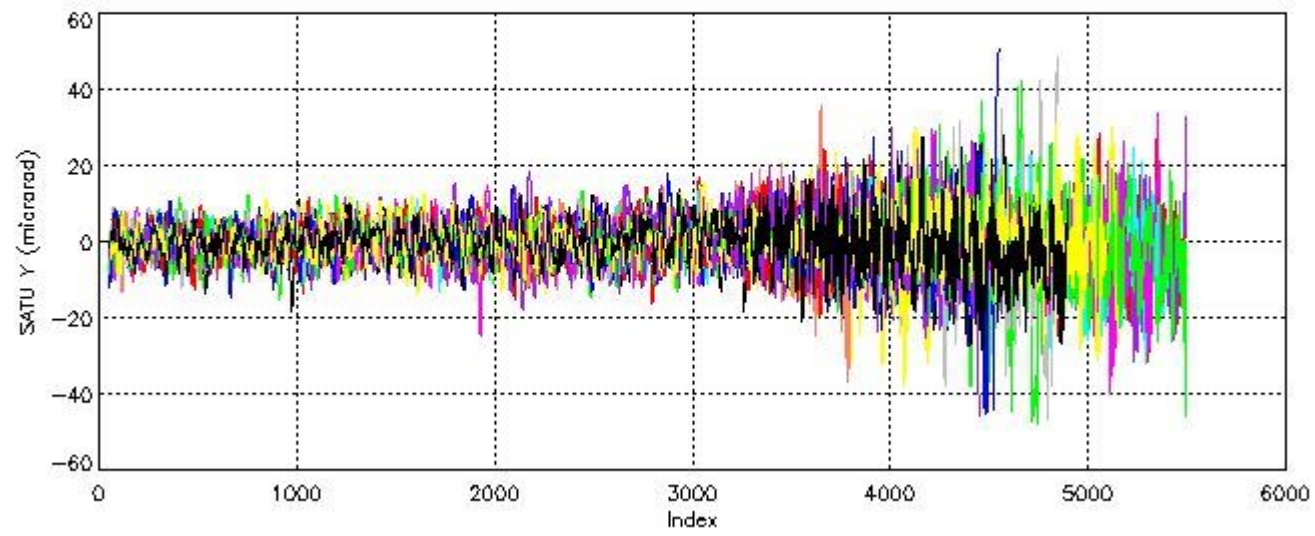
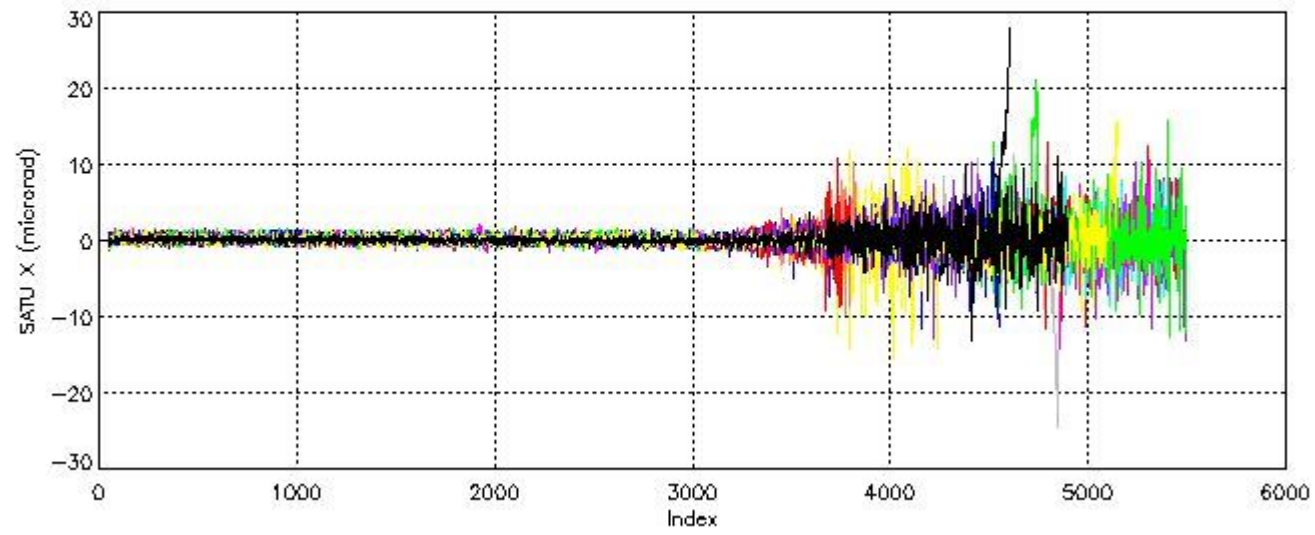


7. Star Acquisition and Tracking Unit (SATU)

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:	0.17203	-0.46065	0.22060	-0.54750
St. deviation:	0.33190	3.6802	0.69271	3.7941
Maximum:	1.7000	12.200	4.6000	17.000
Minimum:	-1.4000	-18.300	-3.8000	-17.800

Number of data:	16150.	16150.	80700.	80700.
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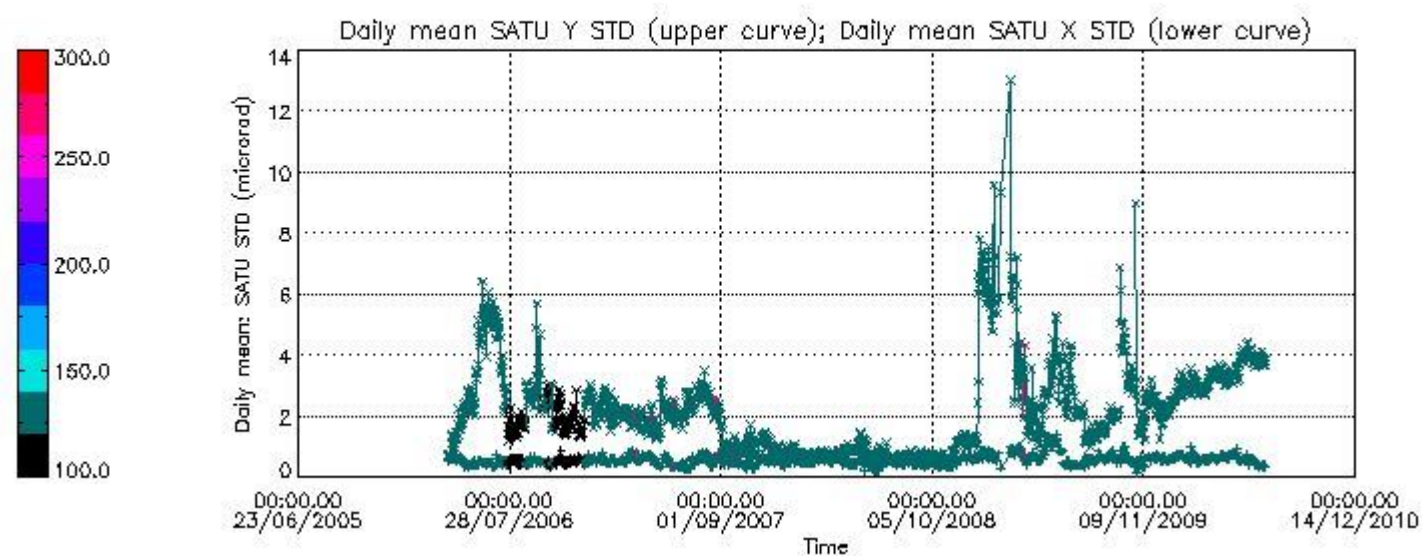
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

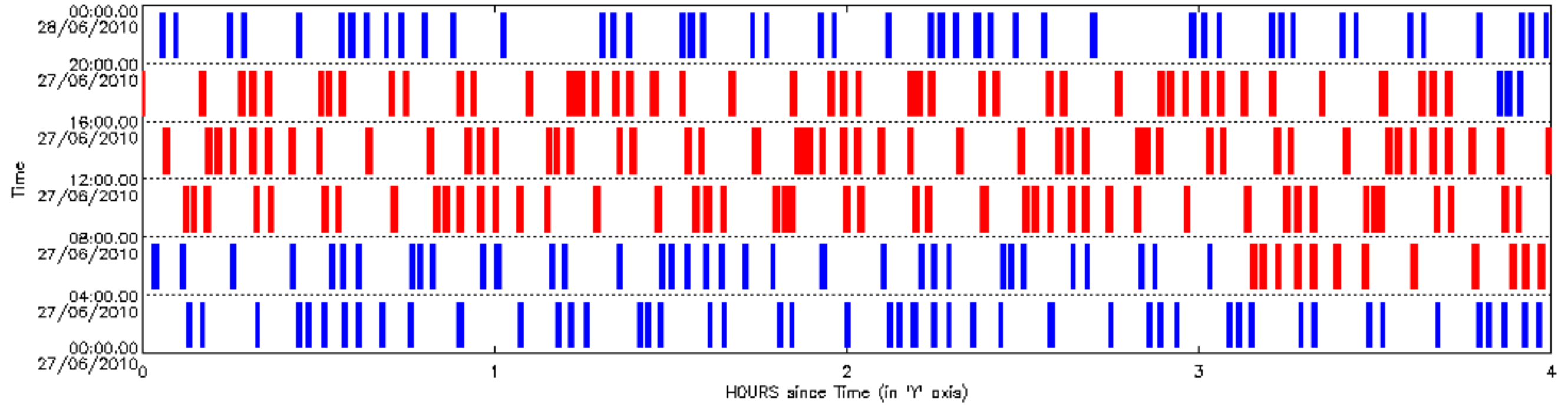
Lower curve: STD of SATU X axis

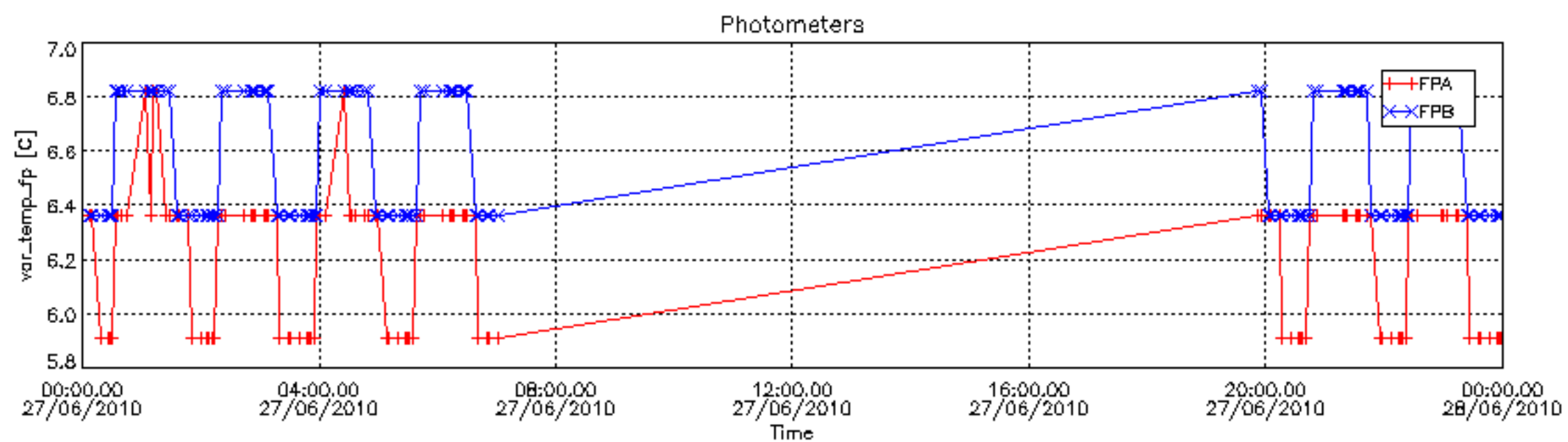
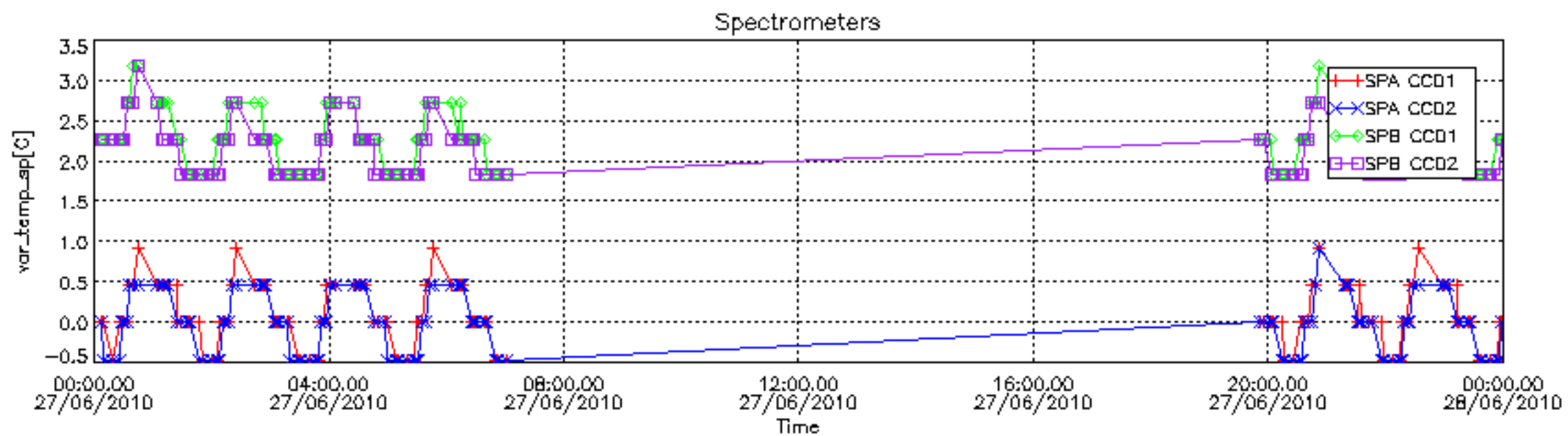


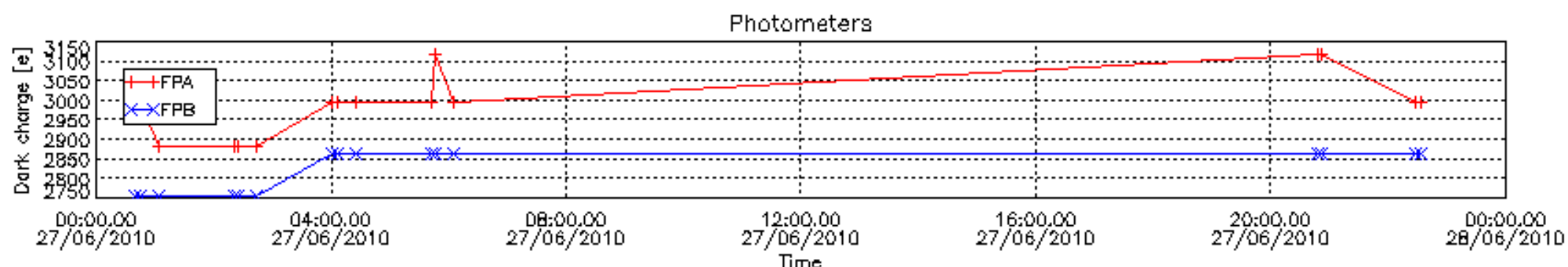
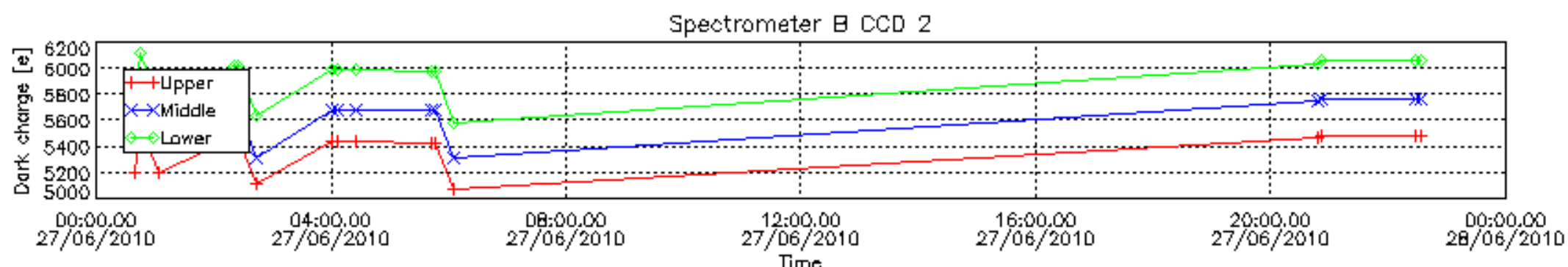
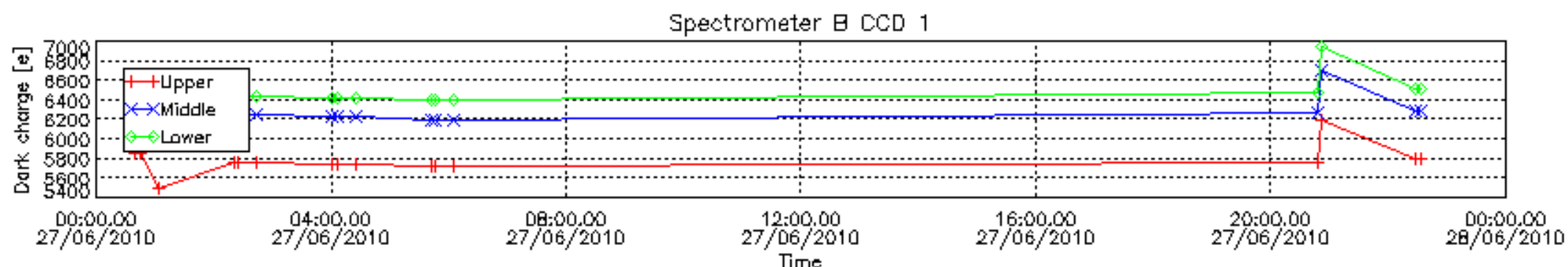
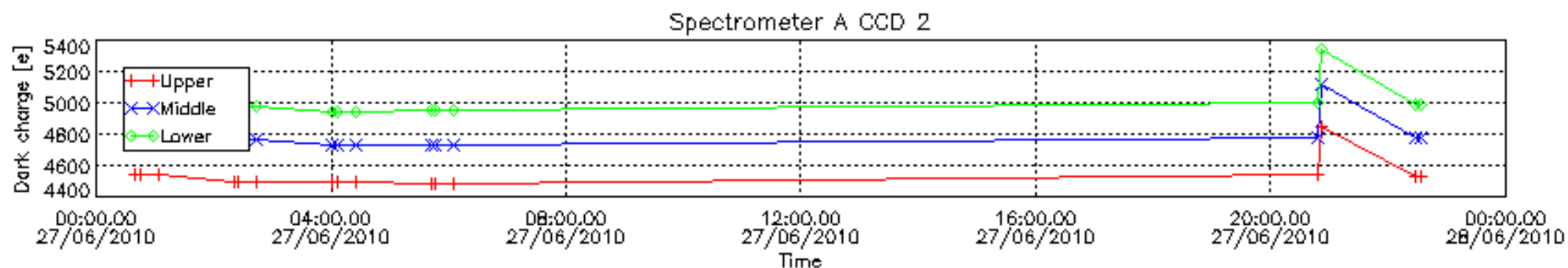
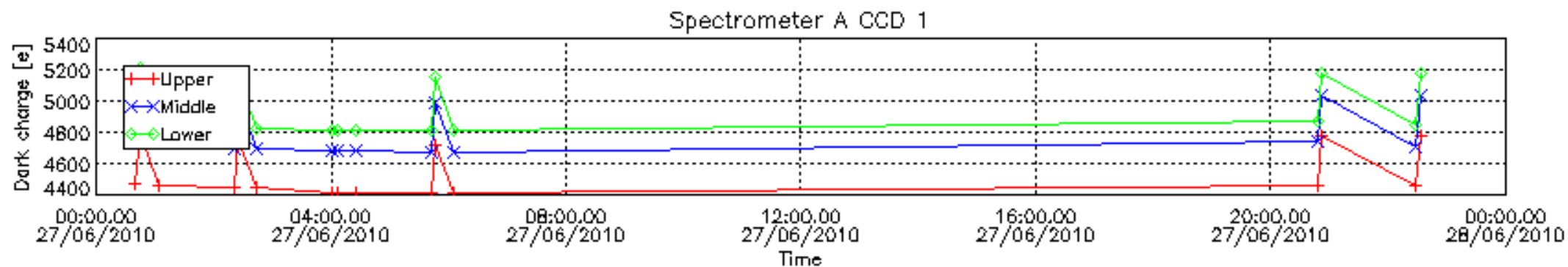
8. Auxiliary Data Files used for the production reported in section 2.4

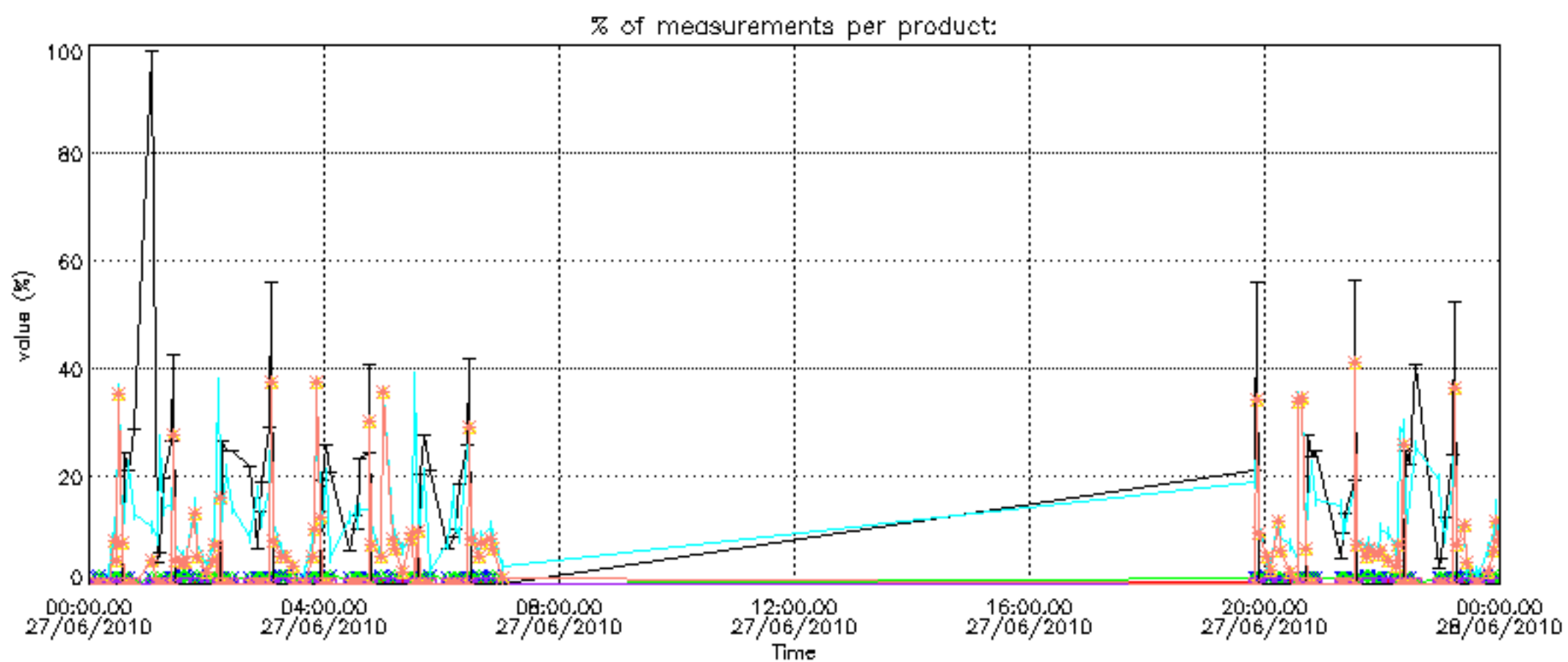
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-JUN-2010 00:07:25
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100624_124126_20100622_000000_20500101_000000	1	27-JUN-2010 00:07:25
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	27-JUN-2010 00:07:25
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	27-JUN-2010 00:07:25
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	27-JUN-2010 00:07:25
ECMWF_FILE	AUX_ECF_AXNECM20100626_055217_20100626_210000_20100627_090000	1	27-JUN-2010 00:07:25
ECMWF_FILE	AUX_ECF_AXNECM20100626_173216_20100627_030000_20100627_150000	41	27-JUN-2010 03:40:16
ECMWF_FILE	AUX_ECA_AXNECM20100627_052113_20100626_210000_20100627_090000	61	27-JUN-2010 05:28:02
ECMWF_FILE	AUX_ECA_AXNECM20100627_172114_20100627_090000_20100627_210000	80	27-JUN-2010 19:50:52
ECMWF_FILE	AUX_ECF_AXNECM20100627_052114_20100627_150000_20100628_030000	94	27-JUN-2010 20:52:29
ECMWF_FILE	AUX_ECF_AXNECM20100627_054112_20100627_210000_20100628_090000	113	27-JUN-2010 22:58:24
OPTIONAL_ECMWF_FILE	MISSING	1	27-JUN-2010 00:07:25
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100626_091216_20100625_185230_20100705_201843	1	27-JUN-2010 00:07:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100627_004701_000095642090_00374_43514_0634.N1	11	27-JUN-2010 01:03:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100627_033144_000063762090_00376_43516_0635.N1	41	27-JUN-2010 03:40:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100627_052319_000057382090_00377_43517_0636.N1	61	27-JUN-2010 05:28:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100627_194402_000035072090_00386_43526_0637.N1	80	27-JUN-2010 19:50:52
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100627_092113_20100626_182053_20100706_212742	94	27-JUN-2010 20:52:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100627_223404_000057382090_00387_43527_0639.N1	113	27-JUN-2010 22:58:24

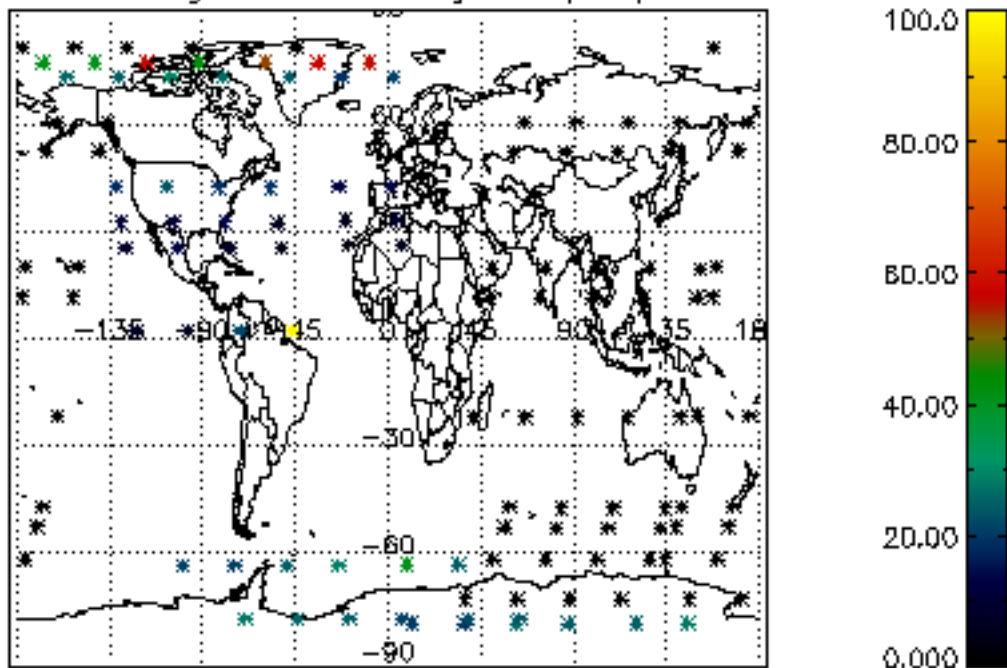




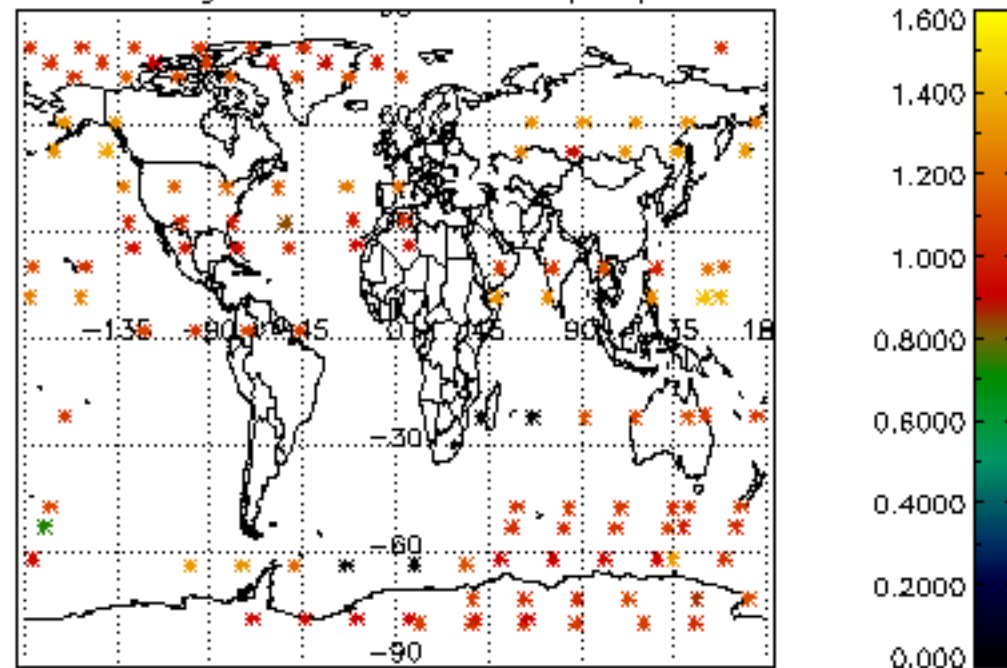




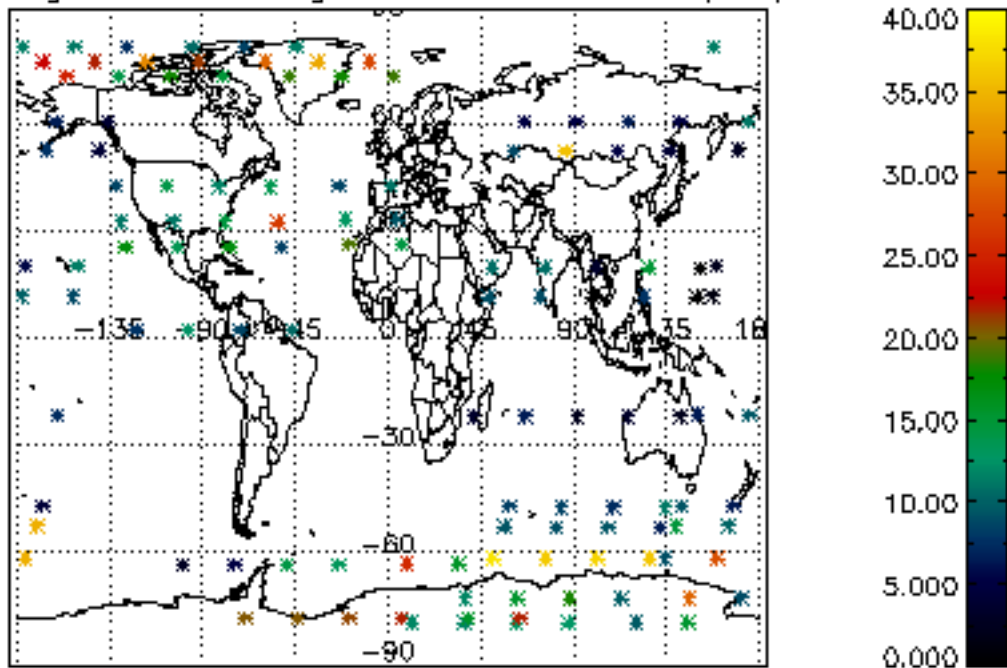
Percentage of cosmic ray hits per profile



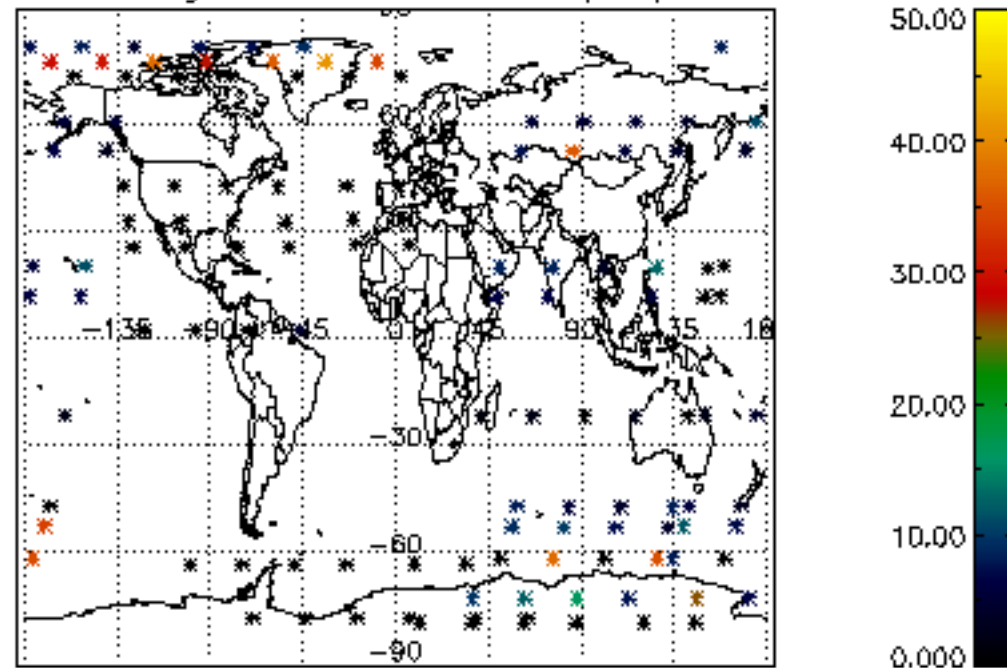
Percentage of datation errors per profile



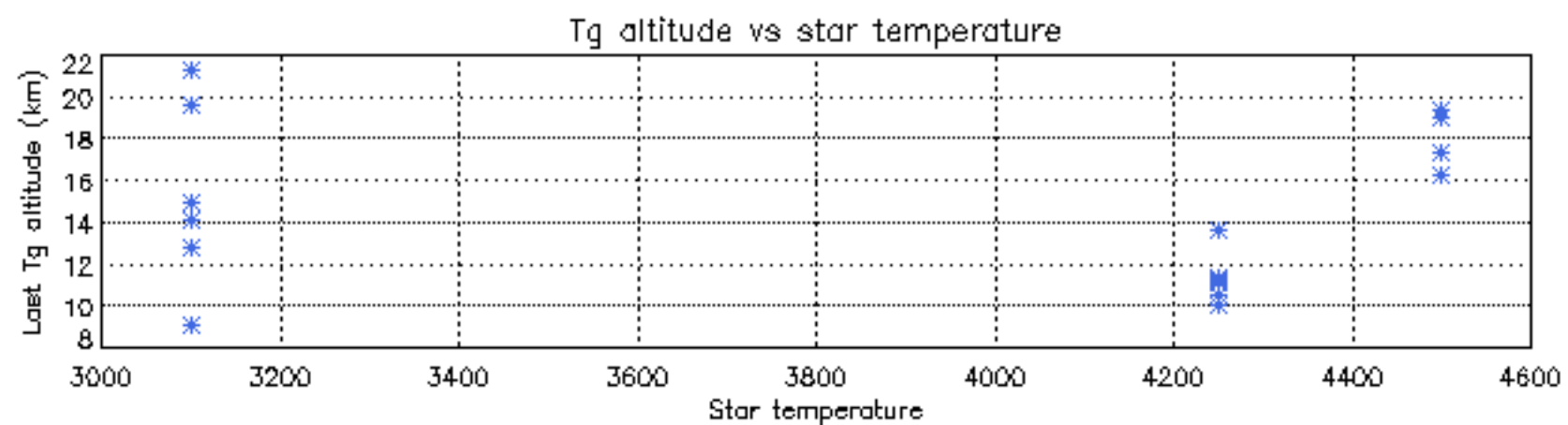
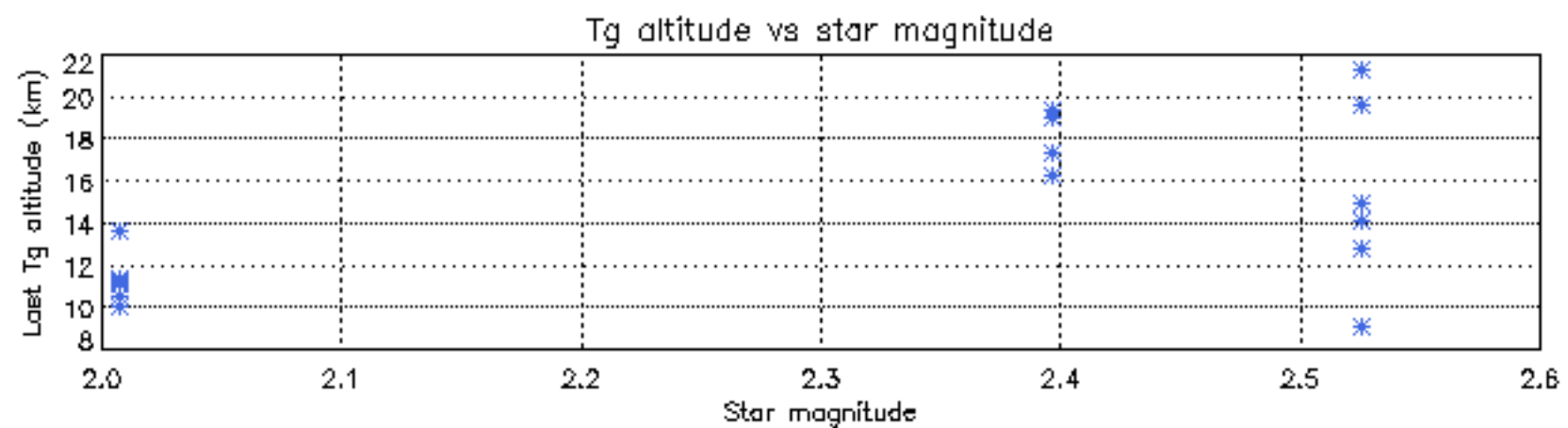
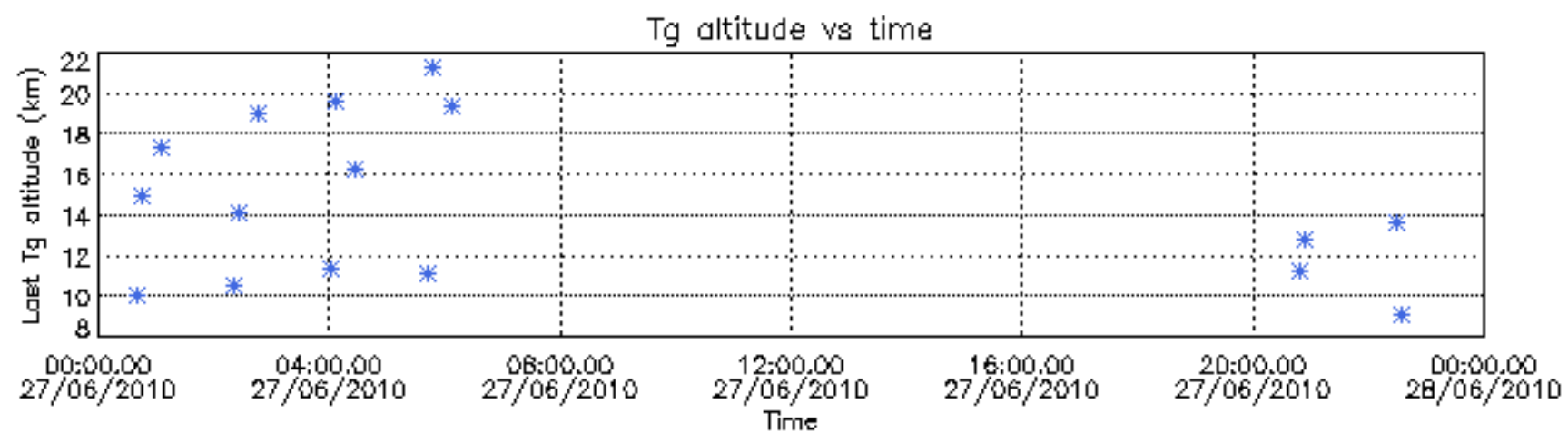
Percentage of star falling outside central band per profile



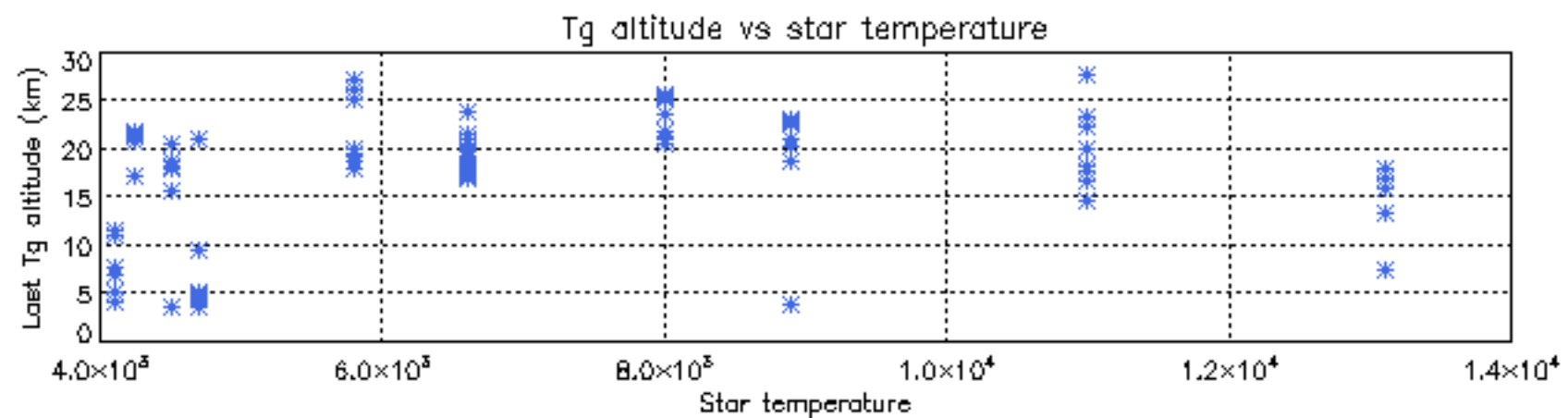
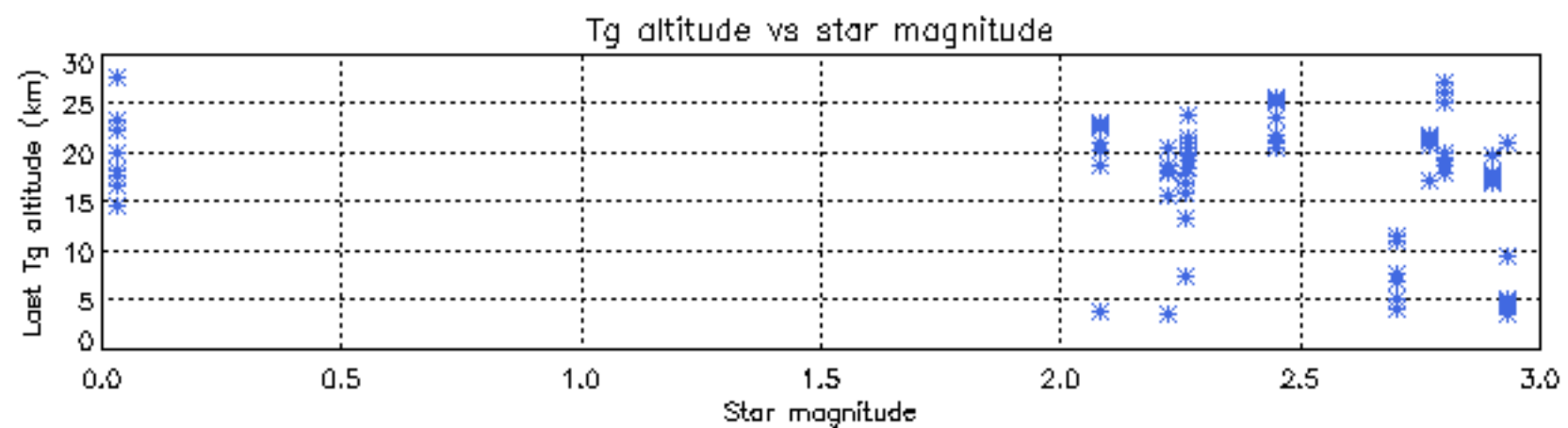
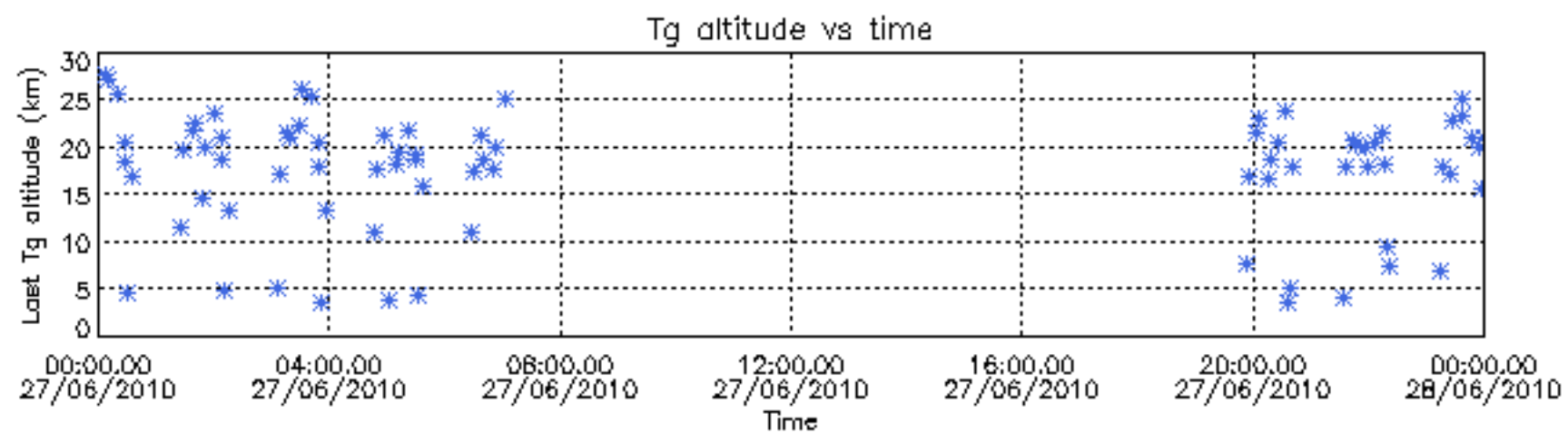
Percentage of saturation errors per profile

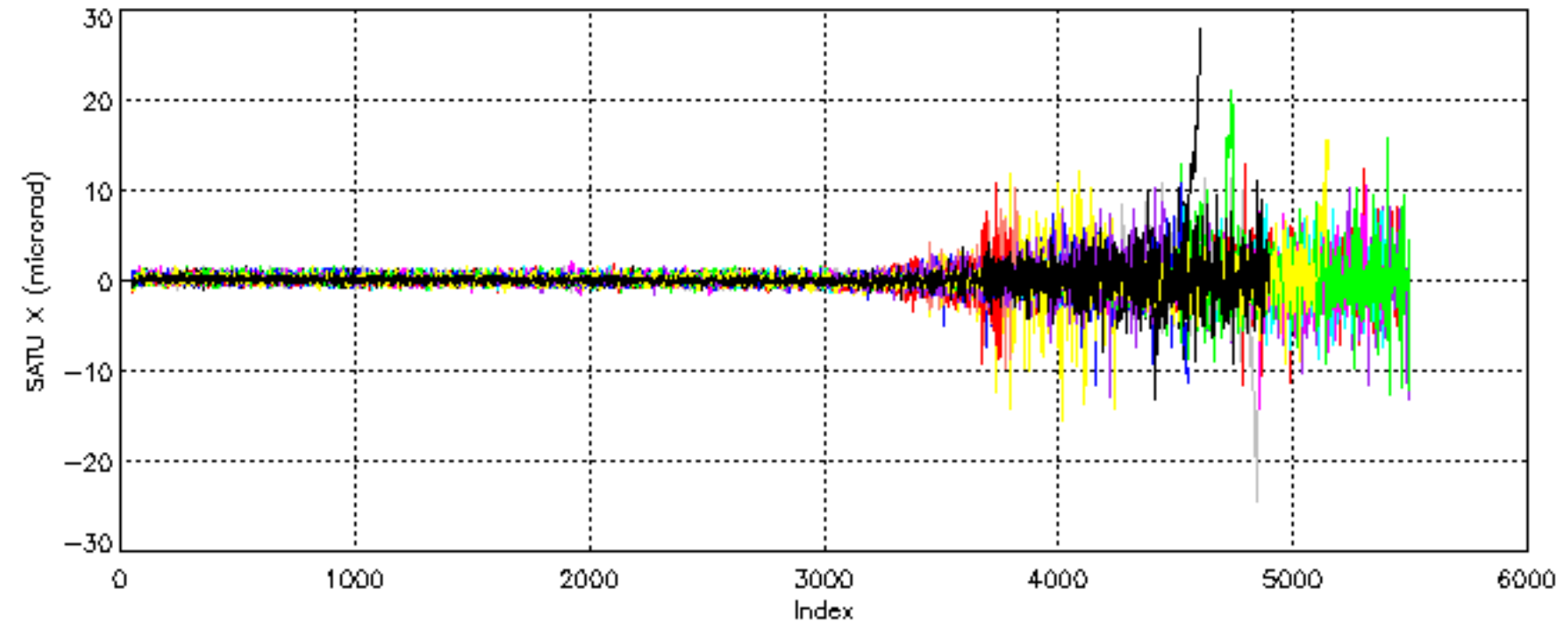


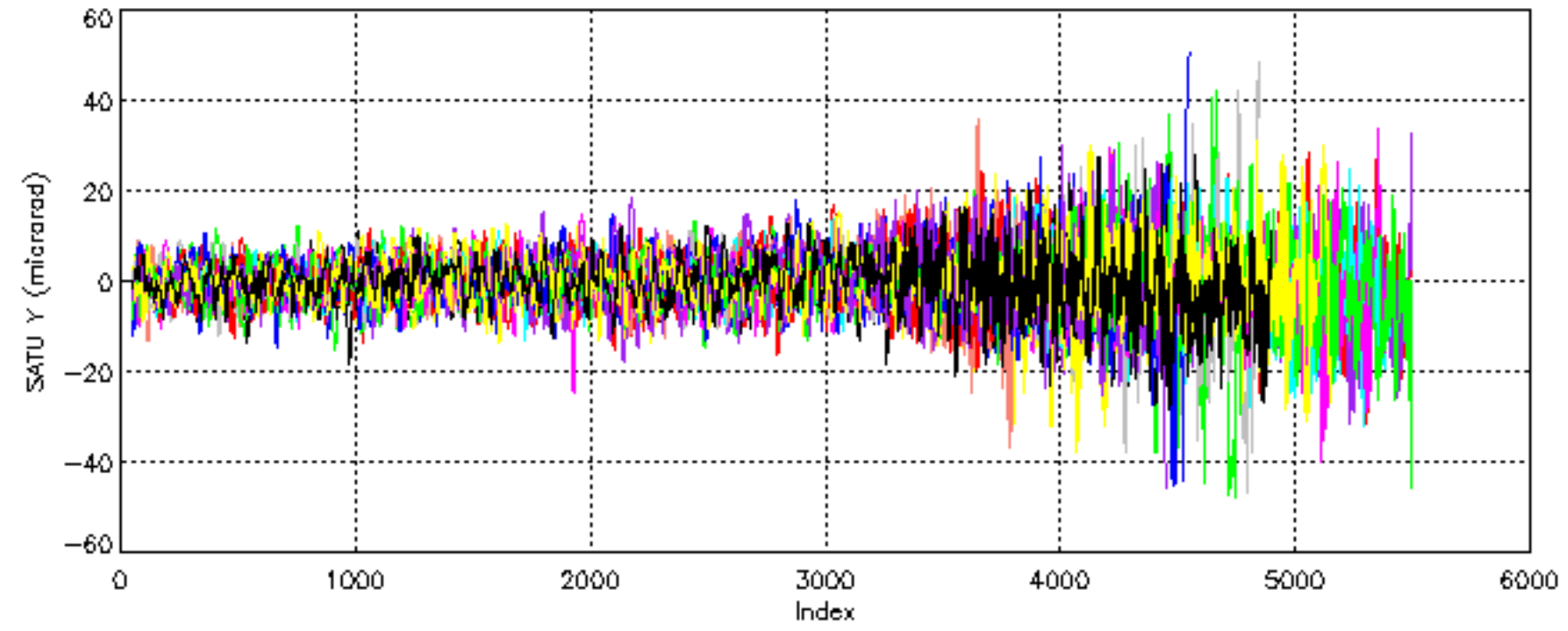
Tangent altitude at which the star is lost

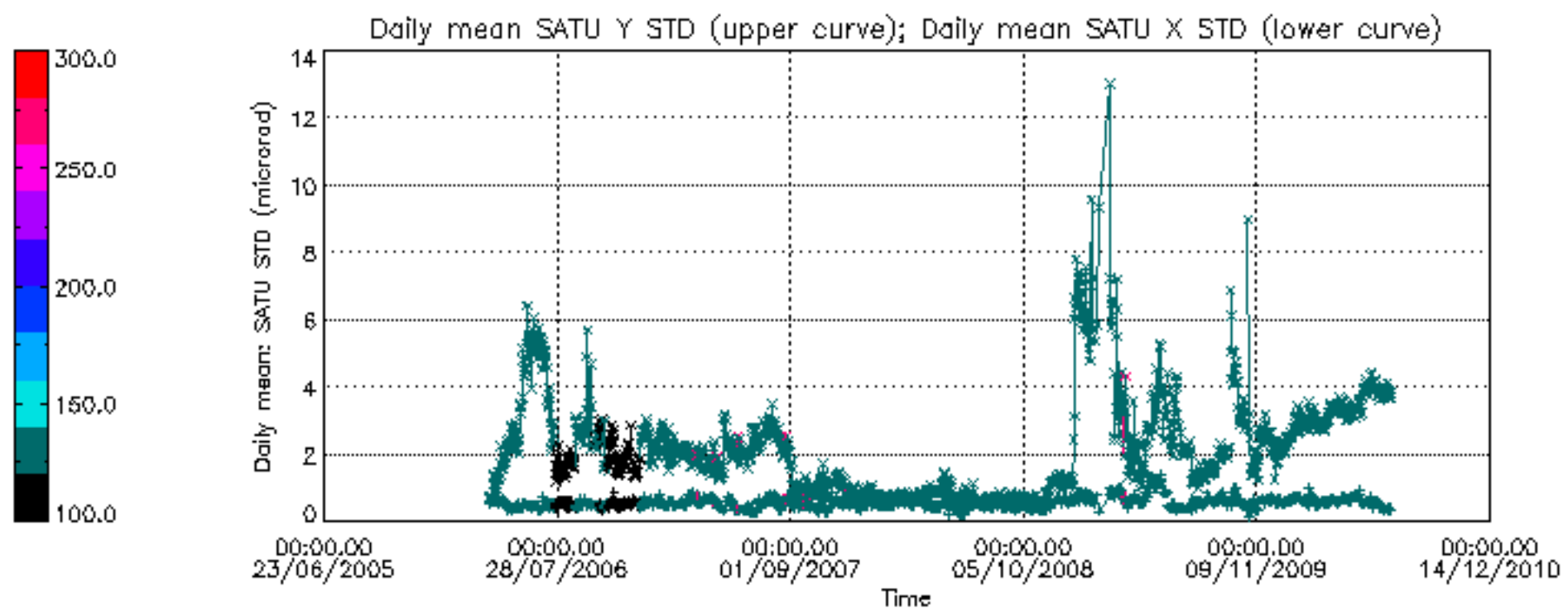


Tangent altitude at which the star is lost









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 23; 4873.9; 04-JUN-2010 01:06:54; Dark ; 51.0; 140; 88Gam Peg ; 2.83; 26000;occ; 102; 0;43185
 24; 5318.2; 04-JUN-2010 01:14:19; Dark ; 52.5; 0; ; 0.00; 0;occ; 105; 0;43185

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 7; 3609.7; 03-JUN-2010 11:21:03; Bright; 30.0; 89; 5Alp Cep ; 2.45; 8000;occ; 60; 0;43177
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 27; 6509.4; 14-JUN-2010 03:00:23; Dark ; 57.5; 172; Gam Gru ; 3.00; 13100;occ; 115; 0;43330
 28; 6644.8; 14-JUN-2010 03:02:39; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43330
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12; 2447.4; 22-JUN-2010 22:48:44; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;43456
13; 2721.7; 22-JUN-2010 22:53:18; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;43456

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 16; 3840.5; 22-JUN-2010 23:11:57; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;43456
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 5; 683.5; 22-JUN-2010 23:59:56; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43457
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 13; 2720.9; 23-JUN-2010 00:33:53; Bright; 51.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 103; 0;43457
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 16; 3840.3; 23-JUN-2010 00:52:33; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;43457
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 5; 683.8; 23-JUN-2010 01:40:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43458
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 15; 3839.7; 23-JUN-2010 02:33:08; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;43458
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 19; 4414.7; 23-JUN-2010 02:42:43; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43458
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 22; 5413.3; 23-JUN-2010 02:59:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43458
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 26; 6720.8; 23-JUN-2010 03:21:09; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;43459
 27; 7276.4; 23-JUN-2010 03:30:25; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43459
 28; 7361.8; 23-JUN-2010 03:31:50; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;43459
 29; 7492.4; 23-JUN-2010 03:34:01; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43459
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 31; 8169.8; 23-JUN-2010 03:45:18; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43459
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 33; 8755.5; 23-JUN-2010 03:55:04; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43459
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 16; 7362.5; 23-JUN-2010 05:12:27; Dark ; 46.0; 116; 19Del Sgr ; 2.70; 4100;occ; 92; 0;43460
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14; 4415.6; 23-JUN-2010 21:09:19; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43469
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8; 1459.2; 23-JUN-2010 23:41:15; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43471
9; 1988.1; 23-JUN-2010 23:50:04; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;43471
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12; 2711.5; 24-JUN-2010 00:02:07; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;43471

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 10; 3922.7; 24-JUN-2010 20:29:29; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;43483
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 12; 4270.4; 24-JUN-2010 20:35:17; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;43483
 13; 4417.3; 24-JUN-2010 20:37:44; Dark ; 31.0; 53; 43Bet And ; 2.05; 3300;occ; 62; 0;43483
 14; 4651.6; 24-JUN-2010 20:41:38; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;43483

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 5; 518.5; 24-JUN-2010 21:13:21; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43484
 6; 698.4; 24-JUN-2010 21:16:21; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43484
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 11; 2130.1; 24-JUN-2010 21:40:13; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;43484
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 13; 2827.1; 24-JUN-2010 21:51:50; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;43484
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 16; 3922.2; 24-JUN-2010 22:10:05; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;43484
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 18; 4270.0; 24-JUN-2010 22:15:53; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;43484
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 20; 4651.7; 24-JUN-2010 22:22:14; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;43484

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 5; 519.7; 24-JUN-2010 22:53:58; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43485
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11; 2130.2; 24-JUN-2010 23:20:49; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;43485
12; 2702.2; 24-JUN-2010 23:30:21; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;43485
13; 2826.9; 24-JUN-2010 23:32:25; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;43485
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4; 399.1; 25-JUN-2010 00:32:33; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43486
5; 520.4; 25-JUN-2010 00:34:35; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43486
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9; 1462.4; 25-JUN-2010 00:50:17; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43486
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14; 3404.5; 25-JUN-2010 01:22:39; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43486
15; 3827.4; 25-JUN-2010 01:29:42; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43486
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19; 4417.1; 25-JUN-2010 01:39:31; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43486
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5; 521.4; 25-JUN-2010 02:15:12; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43487
6; 700.1; 25-JUN-2010 02:18:10; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43487
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9; 1462.7; 25-JUN-2010 02:30:53; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;43487
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13; 2826.6; 25-JUN-2010 02:53:37; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;43487
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6; -1383.2; 25-JUN-2010 03:24:03; Dark ; 62.0; 50; 13Alp Ari ; 2.01; 4250;occ; 124; 0;43487
7; -602.7; 25-JUN-2010 03:37:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43487
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9; 12.0; 25-JUN-2010 03:47:18; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;43488
10; 401.2; 25-JUN-2010 03:53:47; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43488
11; 522.3; 25-JUN-2010 03:55:48; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43488
12; 700.5; 25-JUN-2010 03:58:47; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43488
13; 1249.4; 25-JUN-2010 04:07:55; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43488
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 9; 3802.0; 28-JUN-2010 21:42:13; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;43541
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9; 2121.7; 30-JUN-2010 23:32:10; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;43571
10; 2234.2; 30-JUN-2010 23:34:03; Bright; 50.5; 168; 17Zet Aql ; 2.99; 11000;occ; 101; 0;43571
11; 2653.4; 30-JUN-2010 23:41:02; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;43571
12; 2809.0; 30-JUN-2010 23:43:37; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43571

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13;	2926.0;	30-JUN-2010	23:45:34;	Bright;	35.0;	144;	18Del Cyg	;	2.86;	11000;occ;	70;	0;43571	
14;	3346.2;	30-JUN-2010	23:52:35;	Bright;	47.5;	89;	5Alp Cep	;	2.45;	8000;occ;	95;	0;43571	
15;	3786.9;	30-JUN-2010	23:59:55;	Bright;	49.0;	74;	11Bet Cas	;	2.27;	6600;occ;	98;	0;43571	
16;	3888.2;	01-JUL-2010	00:01:37;	Bright;	51.0;	68;	18Alp Cas	;	2.22;	4500;occ;	102;	0;43571	
17;	4062.4;	01-JUL-2010	00:04:31;	Bright;	56.0;	160;	23Gam Per	;	2.93;	4700;occ;	112;	0;43571	
18;	4266.7;	01-JUL-2010	00:07:55;	Bright;	52.5;	73;	57Gam1And	;	2.26;	13100;occ;	105;	0;43571	
19;	4424.5;	01-JUL-2010	00:10:33;	Dark	;	49.5;	173;	4Bet Tri	;	3.00;	8900;occ;	99;	0;43571
20;	4678.0;	01-JUL-2010	00:14:46;	Dark	;	56.5;	50;	13Alp Ari	;	2.01;	4250;occ;	113;	0;43571
21;	4975.5;	01-JUL-2010	00:19:44;	Dark	;	52.5;	94;	92Alp Cet	;	2.53;	3100;occ;	105;	0;43571