

GOMOS Daily Report 07-JUL-2011

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	10JUL2011 07:03:51
Data source version	GOMOS/6.01
Start time of products	07JUL2011 00:05:48
Stop time of products	07JUL2011 23:49:37
Store outputs in DB	Yes
Nb of level 1b prods	96
Nb of prods with errors	33

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

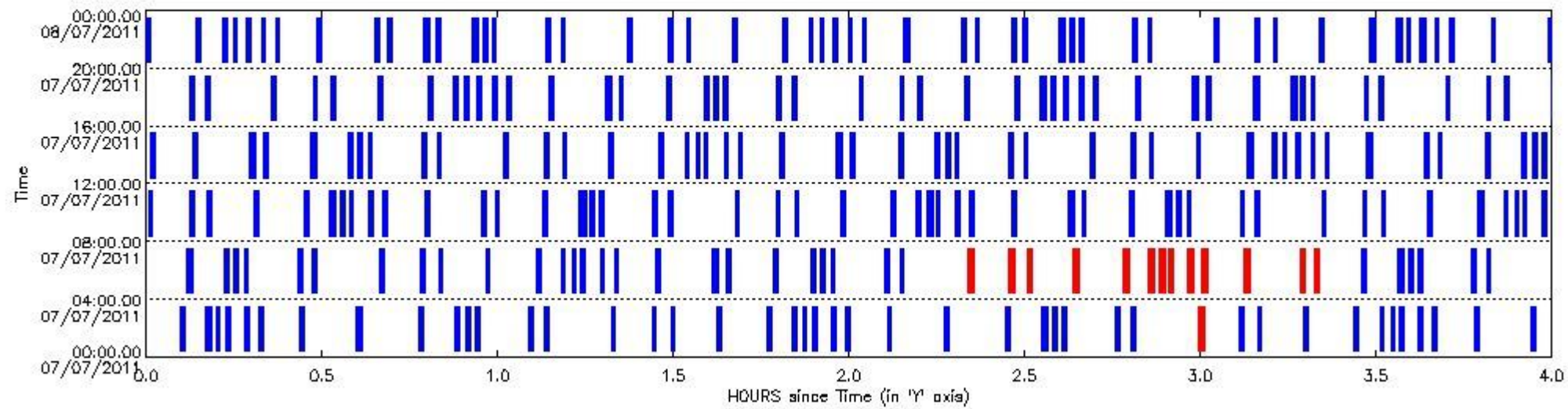
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

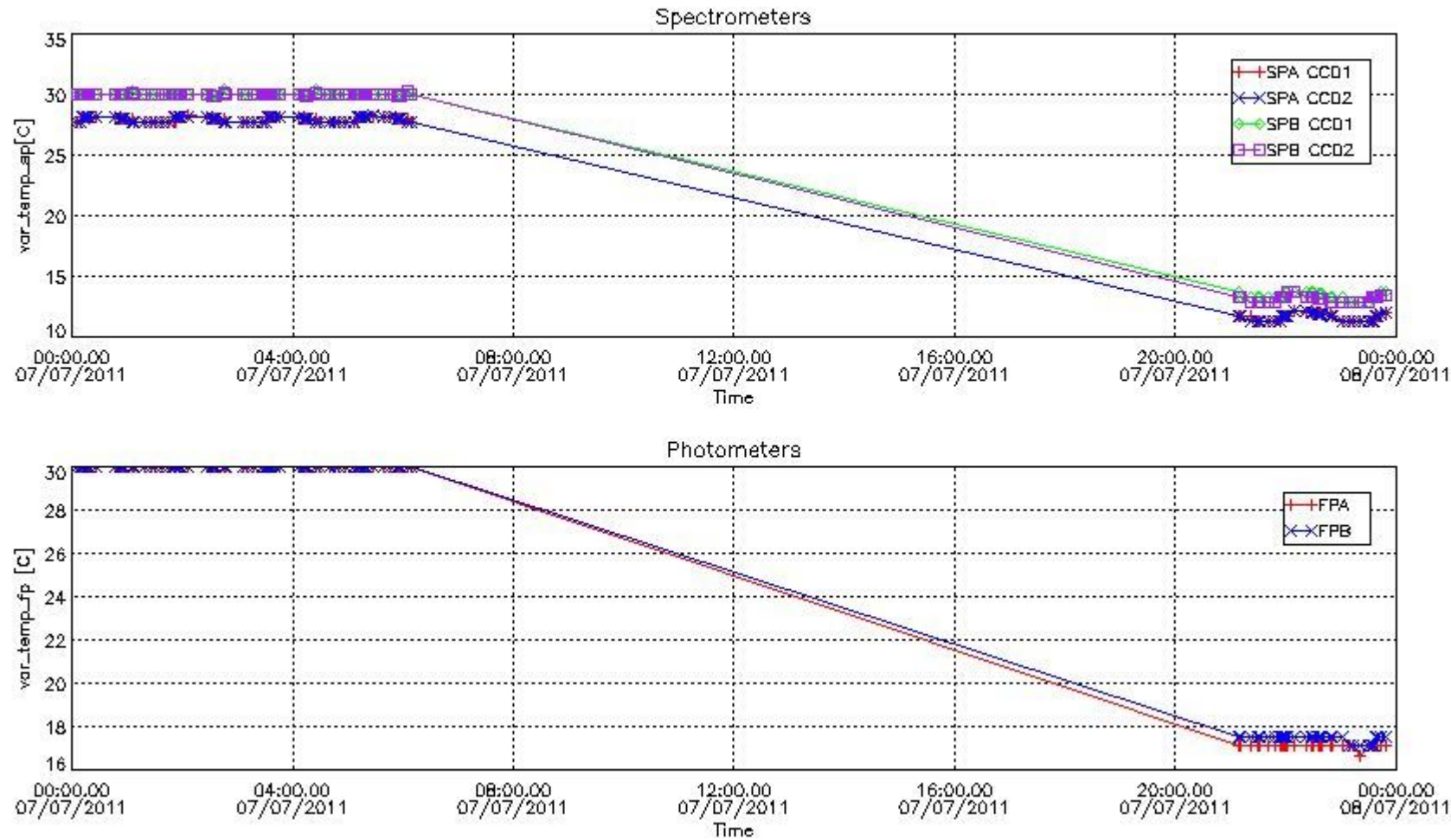
UTC start time	Star name	Star ID	Orbit
07-JUL-2011 02:59:43	17ZetAql	168	48897
07-JUL-2011 06:20:10	17ZetAql	168	48899
07-JUL-2011 06:27:12	3AlpLyr	5	48899
07-JUL-2011 06:30:19	23BetDra	130	48899
07-JUL-2011 06:38:15	5AlpCep	89	48899
07-JUL-2011 06:46:49	27GamCas	76	48899
07-JUL-2011 06:51:11	23GamPer	160	48899
07-JUL-2011 06:53:04	39DelPer	175	48899
07-JUL-2011 06:54:31	57Gam1And	73	48899
07-JUL-2011 06:57:49	44ZetPer	150	48899
07-JUL-2011 07:00:13	25EtaTau	146	48899
07-JUL-2011 07:07:19	92AlpCet	94	48899
07-JUL-2011 07:16:59	DSA1066	0	48899
07-JUL-2011 07:19:25	The1Eri	157	48899

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_1PNPDE20110707_000548_000000463104_00174_48895_1275.N1	07-JUL-2011 00:05:48	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	48895	No
2	GOM_TRA_1PNPDE20110707_001008_000000583104_00174_48895_1276.N1	07-JUL-2011 00:10:08	Bright	58.000	160	23Gam Per	2.9300	4700.0	116	48895	No
3	GOM_TRA_1PNPDE20110707_001201_000000353104_00174_48895_1277.N1	07-JUL-2011 00:12:01	Bright	34.500	175	39Del Per	3.0100	19400.	69	48895	No
4	GOM_TRA_1PNPDE20110707_001329_000000563104_00174_48895_1278.N1	07-JUL-2011 00:13:29	Bright	55.500	73	57Gam1And	2.2600	13100.	111	48895	No
5	GOM_TRA_1PNPDE20110707_001646_000000423104_00174_48895_1279.N1	07-JUL-2011 00:16:46	Bright	41.500	150	44Zet Per	2.8900	28000.	83	48895	Yes
6	GOM_TRA_1PNPDE20110707_001909_000000443104_00174_48895_1280.N1	07-JUL-2011 00:19:09	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	48895	Yes
7	GOM_TRA_1PNPDE20110707_002614_000000443104_00174_48895_1281.N1	07-JUL-2011 00:26:14	Dark	44.000	94	92Alp Cet	2.5260	3100.0	88	48895	Yes
8	GOM_TRA_1PNPDE20110707_004622_000000523104_00175_48896_1290.N1	07-JUL-2011 00:46:22	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48896	Yes
9	GOM_TRA_1PNPDE20110707_005239_000000503104_00175_48896_1291.N1	07-JUL-2011 00:52:39	Straylight	49.500	63	Bet Gru	2.1500	2800.0	99	48896	Yes
10	GOM_TRA_1PNPDE20110707_005427_000000483104_00175_48896_1292.N1	07-JUL-2011 00:54:27	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48896	Yes
11	GOM_TRA_1PNPDE20110707_005611_000000413104_00175_48896_1293.N1	07-JUL-2011 00:56:11	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48896	Yes
12	GOM_TRA_1PNPDE20110707_010520_000000443104_00175_48896_1294.N1	07-JUL-2011 01:05:20	Tw_and_stray	44.000	103	38Zet Sgr	2.6000	9700.0	88	48896	Yes
13	GOM_TRA_1PNPDE20110707_010756_000000423104_00175_48896_1295.N1	07-JUL-2011 01:07:56	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	48896	No
14	GOM_TRA_1PNPDE20110707_011923_000000433104_00175_48896_1296.N1	07-JUL-2011 01:19:23	Bright	43.000	168	17Zet Aql	2.9860	11000.	86	48896	No
15	GOM_TRA_1PNPDE20110707_012625_000000393104_00175_48896_1297.N1	07-JUL-2011 01:26:25	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	48896	No
16	GOM_TRA_1PNPDE20110707_012930_000000343104_00175_48896_1298.N1	07-JUL-2011 01:29:30	Bright	33.500	130	23Bet Dra	2.7990	5800.0	67	48896	No
17	GOM_TRA_1PNPDE20110707_013728_000000453104_00175_48896_1299.N1	07-JUL-2011 01:37:28	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48896	No
18	GOM_TRA_1PNPDE20110707_014601_000000463104_00175_48896_1300.N1	07-JUL-2011 01:46:01	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	48896	No
19	GOM_TRA_1PNPDE20110707_015022_000000403104_00175_48896_1301.N1	07-JUL-2011 01:50:22	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	48896	No
20	GOM_TRA_1PNPDE20110707_015215_000000343104_00175_48896_1302.N1	07-JUL-2011 01:52:15	Bright	33.500	175	39Del Per	3.0100	19400.	67	48896	No
21	GOM_TRA_1PNPDE20110707_015342_000000493104_00175_48896_1303.N1	07-JUL-2011 01:53:42	Bright	49.000	73	57Gam1And	2.2600	13100.	98	48896	No
22	GOM_TRA_1PNPDE20110707_015700_000000403104_00175_48896_1304.N1	07-JUL-2011 01:57:00	Bright	40.000	150	44Zet Per	2.8900	28000.	80	48896	Yes
23	GOM_TRA_1PNPDE20110707_015923_000000433104_00175_48896_1305.N1	07-JUL-2011 01:59:23	Twilight	42.500	146	25Eta Tau	2.8730	15200.	85	48896	Yes
24	GOM_TRA_1PNPDE20110707_020628_000000433104_00175_48896_1306.N1	07-JUL-2011 02:06:28	Dark	42.500	94	92Alp Cet	2.5260	3100.0	85	48896	Yes
25	GOM_TRA_1PNPDE20110707_022638_000000573104_00176_48897_1308.N1	07-JUL-2011 02:26:38	Dark	56.500	84	Alp Phe	2.3970	4500.0	113	48897	Yes
26	GOM_TRA_1PNPDE20110707_023254_000000583104_00176_48897_1309.N1	07-JUL-2011 02:32:54	Straylight	58.000	63	Bet Gru	2.1500	2800.0	116	48897	Yes
27	GOM_TRA_1PNPDE20110707_023442_000000483104_00176_48897_1310.N1	07-JUL-2011 02:34:42	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48897	Yes
28	GOM_TRA_1PNPDE20110707_023625_000000433104_00176_48897_1311.N1	07-JUL-2011 02:36:25	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48897	Yes
29	GOM_TRA_1PNPDE20110707_024534_000000473104_00176_48897_1312.N1	07-JUL-2011 02:45:34	Tw_and_stray	46.500	103	38Zet Sgr	2.6000	9700.0	93	48897	Yes
30	GOM_TRA_1PNPDE20110707_024810_000000433104_00176_48897_1313.N1	07-JUL-2011 02:48:10	Bright	42.500	155	41Pi Sgr	2.9000	6600.0	85	48897	No
31	GOM_TRA_1PNPDE20110707_030638_000000443104_00176_48897_1314.N1	07-JUL-2011 03:06:38	Bright	43.500	5	3Alp Lyr	0.033000	11000.	87	48897	No
32	GOM_TRA_1PNPDE20110707_030944_000000373104_00176_48897_1315.N1	07-JUL-2011 03:09:44	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	48897	No
33	GOM_TRA_1PNPDE20110707_031742_000000453104_00176_48897_1316.N1	07-JUL-2011 03:17:42	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48897	No
34	GOM_TRA_1PNPDE20110707_032615_000000463104_00176_48897_1338.N1	07-JUL-2011 03:26:15	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	48897	No
35	GOM_TRA_1PNPDE20110707_033036_000000383104_00176_48897_1339.N1	07-JUL-2011 03:30:36	Bright	37.500	160	23Gam Per	2.9300	4700.0	75	48897	No
36	GOM_TRA_1PNPDE20110707_033229_000000333104_00176_48897_1340.N1	07-JUL-2011 03:32:29	Bright	33.000	175	39Del Per	3.0100	19400.	66	48897	No
37	GOM_TRA_1PNPDE20110707_033356_000000493104_00176_48897_1341.N1	07-JUL-2011 03:33:56	Bright	49.000	73	57Gam1And	2.2600	13100.	98	48897	No
38	GOM_TRA_1PNPDE20110707_033714_000000423104_00176_48897_1342.N1	07-JUL-2011 03:37:14	Bright	42.000	150	44Zet Per	2.8900	28000.	84	48897	Yes
39	GOM_TRA_1PNPDE20110707_033938_000000443104_00176_48897_1343.N1	07-JUL-2011 03:39:38	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	48897	Yes
40	GOM_TRA_1PNPDE20110707_034643_000000553104_00176_48897_1344.N1	07-JUL-2011 03:46:43	Dark	54.500	94	92Alp Cet	2.5260	3100.0	109	48897	Yes
41	GOM_TRA_1PNPDE20110707_040653_000000583104_00177_48898_1345.N1	07-JUL-2011 04:06:53	Dark	58.000	84	Alp Phe	2.3970	4500.0	116	48898	Yes
42	GOM_TRA_1PNPDE20110707_041309_000000523104_00177_48898_1346.N1	07-JUL-2011 04:13:09	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	48898	Yes
43	GOM_TRA_1PNPDE20110707_041456_000000513104_00177_48898_1347.N1	07-JUL-2011 04:14:56	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	48898	Yes
44	GOM_TRA_1PNPDE20110707_041640_000000463104_00177_48898_1348.N1	07-JUL-2011 04:16:40	Straylight	46.000	45	Alp Pav	1.9400	26000.	92	48898	Yes
45	GOM_TRA_1PNPDE20110707_042548_000000453104_00177_48898_1349.N1	07-JUL-2011 04:25:48	Tw_and_stray	45.000	103	38Zet Sgr	2.6000	9700.0	90	48898	Yes
46	GOM_TRA_1PNPDE20110707_042824_000000433104_00177_48898_1350.N1	07-JUL-2011 04:28:24	Bright	42.500	155	41Pi Sgr	2.9000	6600.0	85	48898	No
47	GOM_TRA_1PNPDE20110707_043950_000000423104_00177_48898_1351.N1	07-JUL-2011 04:39:50	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	48898	No
48	GOM_TRA_1PNPDE20110707_044652_000000423104_00177_48898_1352.N1	07-JUL-2011 04:46:52	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	48898	No
49	GOM_TRA_1PNPDE20110707_044958_000000373104_00177_48898_1353.N1	07-JUL-2011 04:49:58	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	48898	No
50	GOM_TRA_1PNPDE20110707_045755_000000433104_00177_48898_1354.N1	07-JUL-2011 04:57:55	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	48898	No
51	GOM_TRA_1PNPDE20110707_050629_000000623104_00177_48898_1362.N1	07-JUL-2011 05:06:29	Bright	61.500	76	27Gam Cas	2.3000	30000.	123	48898	No
52	GOM_TRA_1PNPDE20110707_051050_000000393104_00177_48898_1363.N1	07-JUL-2011 05:10:50	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	48898	No
53	GOM_TRA_1PNPDE20110707_051243_000000373104_00177_48898_1364.N1	07-JUL-2011 05:12:43	Bright	37.000	175	39Del Per	3.0100	19400.	74	48898	No
54	GOM_TRA_1PNPDE20110707_051410_000000433104_00177_48898_1365.N1	07-JUL-2011 05:14:10	Bright	43.000	73	57Gam1And	2.2600	13100.	86	48898	No
55	GOM_TRA_1PNPDE20110707_051728_000000393104_00177_48898_1366.N1	07-JUL-2011 05:17:28	Bright	38.500	150	44Zet Per	2.8900	28000.	77	48898	Yes

56	GOM_TRA_1PNPDE20110707_051952_000000383104_00177_48898_1367.N1	07-JUL-2011 05:19:52	Twilight	37.500	146	25Eta Tau	2.8730	15200.	75	48898	Yes
57	GOM_TRA_1PNPDE20110707_052657_000000523104_00177_48898_1368.N1	07-JUL-2011 05:26:57	Dark	51.500	94	92Alp Cet	2.5260	3100.0	103	48898	Yes
58	GOM_TRA_1PNPDE20110707_053903_000000393104_00177_48898_1369.N1	07-JUL-2011 05:39:03	Dark	39.000	157	The1Eri	2.9060	9300.0	78	48898	Yes
59	GOM_TRA_1PNPDE20110707_054708_000000513104_00178_48899_1370.N1	07-JUL-2011 05:47:08	Dark	51.000	84	Alp Phe	2.3970	4500.0	102	48899	Yes
60	GOM_TRA_1PNPDE20110707_055324_000000523104_00178_48899_1371.N1	07-JUL-2011 05:53:24	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	48899	Yes
61	GOM_TRA_1PNPDE20110707_055511_000000503104_00178_48899_1372.N1	07-JUL-2011 05:55:11	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48899	Yes
62	GOM_TRA_1PNPDE20110707_055654_000000413104_00178_48899_1373.N1	07-JUL-2011 05:56:54	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48899	Yes
63	GOM_TRA_1PNPDE20110707_060603_000000473104_00178_48899_1374.N1	07-JUL-2011 06:06:03	Twilight_and_stray	47.000	103	38Zet Sgr	2.6000	9700.0	94	48899	Yes
64	GOM_TRA_1PNPDE20110707_060839_000000413104_00178_48899_1375.N1	07-JUL-2011 06:08:39	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	48899	No
65	GOM_TRA_1PNPDE20110707_210811_000000433104_00187_48908_1482.N1	07-JUL-2011 21:08:11	Twilight_and_stray	43.000	103	38Zet Sgr	2.6000	9700.0	86	48908	No
66	GOM_TRA_1PNPDE20110707_211046_000000433104_00187_48908_1483.N1	07-JUL-2011 21:10:46	Bright	42.500	155	41Pi Sgr	2.9000	6600.0	85	48908	No
67	GOM_TRA_1PNPDE20110707_212207_000000443104_00187_48908_1484.N1	07-JUL-2011 21:22:07	Bright	43.500	168	17Zet Aql	2.9860	11000.	87	48908	No
68	GOM_TRA_1PNPDE20110707_212909_000000423104_00187_48908_1485.N1	07-JUL-2011 21:29:09	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	48908	No
69	GOM_TRA_1PNPDE20110707_213213_000000413104_00187_48908_1486.N1	07-JUL-2011 21:32:13	Bright	40.500	69	33Gam Dra	2.2310	3800.0	81	48908	No
70	GOM_TRA_1PNPDE20110707_214009_000000423104_00187_48908_1487.N1	07-JUL-2011 21:40:09	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	48908	No
71	GOM_TRA_1PNPDE20110707_214844_000000473104_00187_48908_1488.N1	07-JUL-2011 21:48:44	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	48908	No
72	GOM_TRA_1PNPDE20110707_215309_000000393104_00187_48908_1489.N1	07-JUL-2011 21:53:09	Bright	38.500	160	23Gam Per	2.9300	4700.0	77	48908	No
73	GOM_TRA_1PNPDE20110707_215503_000000413104_00187_48908_1490.N1	07-JUL-2011 21:55:03	Bright	40.500	175	39Del Per	3.0100	19400.	81	48908	No
74	GOM_TRA_1PNPDE20110707_215711_000000483104_00187_48908_1491.N1	07-JUL-2011 21:57:11	Bright	47.500	79	26Bet Per	2.3100	13100.	95	48908	No
75	GOM_TRA_1PNPDE20110707_215949_000000443104_00187_48908_1492.N1	07-JUL-2011 21:59:49	Bright	43.500	150	44Zet Per	2.8900	28000.	87	48908	No
76	GOM_TRA_1PNPDE20110707_220214_000000423104_00187_48908_1493.N1	07-JUL-2011 22:02:14	Twilight	42.000	146	25Eta Tau	2.8730	15200.	84	48908	No
77	GOM_TRA_1PNPDE20110707_220923_000000533104_00187_48908_1494.N1	07-JUL-2011 22:09:23	Dark	53.000	94	92Alp Cet	2.5260	3100.0	106	48908	No
78	GOM_TRA_1PNPDE20110707_222129_000000403104_00187_48908_1508.N1	07-JUL-2011 22:21:29	Dark	39.500	157	The1Eri	2.9060	9300.0	79	48908	No
79	GOM_TRA_1PNPDE20110707_222739_000000483104_00188_48909_1509.N1	07-JUL-2011 22:27:39	Dark	48.000	9	Alp Eri	0.45300	24000.	96	48909	No
80	GOM_TRA_1PNPDE20110707_222939_000000523104_00188_48909_1510.N1	07-JUL-2011 22:29:39	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48909	No
81	GOM_TRA_1PNPDE20110707_223552_000000533104_00188_48909_1511.N1	07-JUL-2011 22:35:52	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	48909	No
82	GOM_TRA_1PNPDE20110707_223739_000000483104_00188_48909_1512.N1	07-JUL-2011 22:37:39	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48909	No
83	GOM_TRA_1PNPDE20110707_223918_000000413104_00188_48909_1513.N1	07-JUL-2011 22:39:18	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48909	No
84	GOM_TRA_1PNPDE20110707_224825_000000423104_00188_48909_1514.N1	07-JUL-2011 22:48:25	Twilight_and_stray	42.000	103	38Zet Sgr	2.6000	9700.0	84	48909	No
85	GOM_TRA_1PNPDE20110707_225100_000000423104_00188_48909_1515.N1	07-JUL-2011 22:51:00	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	48909	No
86	GOM_TRA_1PNPDE20110707_230220_000000433104_00188_48909_1516.N1	07-JUL-2011 23:02:20	Bright	42.500	168	17Zet Aql	2.9860	11000.	85	48909	No
87	GOM_TRA_1PNPDE20110707_230922_000000383104_00188_48909_1517.N1	07-JUL-2011 23:09:22	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	48909	No
88	GOM_TRA_1PNPDE20110707_231227_000000393104_00188_48909_1518.N1	07-JUL-2011 23:12:27	Bright	39.000	69	33Gam Dra	2.2310	3800.0	78	48909	No
89	GOM_TRA_1PNPDE20110707_232022_000000423104_00188_48909_1519.N1	07-JUL-2011 23:20:22	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	48909	No
90	GOM_TRA_1PNPDE20110707_232857_000000603104_00188_48909_1520.N1	07-JUL-2011 23:28:57	Bright	60.000	76	27Gam Cas	2.3000	30000.	120	48909	No
91	GOM_TRA_1PNPDE20110707_233323_000000583104_00188_48909_1521.N1	07-JUL-2011 23:33:23	Bright	58.000	160	23Gam Per	2.9300	4700.0	116	48909	No
92	GOM_TRA_1PNPDE20110707_233517_000000333104_00188_48909_1522.N1	07-JUL-2011 23:35:17	Bright	33.000	175	39Del Per	3.0100	19400.	66	48909	No
93	GOM_TRA_1PNPDE20110707_233725_000000603104_00188_48909_1523.N1	07-JUL-2011 23:37:25	Bright	60.000	79	26Bet Per	2.3100	13100.	120	48909	No
94	GOM_TRA_1PNPDE20110707_234003_000000433104_00188_48909_1524.N1	07-JUL-2011 23:40:03	Bright	42.500	150	44Zet Per	2.8900	28000.	85	48909	No
95	GOM_TRA_1PNPDE20110707_234228_000000433104_00188_48909_1525.N1	07-JUL-2011 23:42:28	Twilight	43.000	146	25Eta Tau	2.8730	15200.	86	48909	No
96	GOM_TRA_1PNPDE20110707_234937_000000463104_00188_48909_1526.N1	07-JUL-2011 23:49:37	Dark	46.000	94	92Alp Cet	2.5260	3100.0	92	48909	No

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



4. Overview of dark signal processing per product

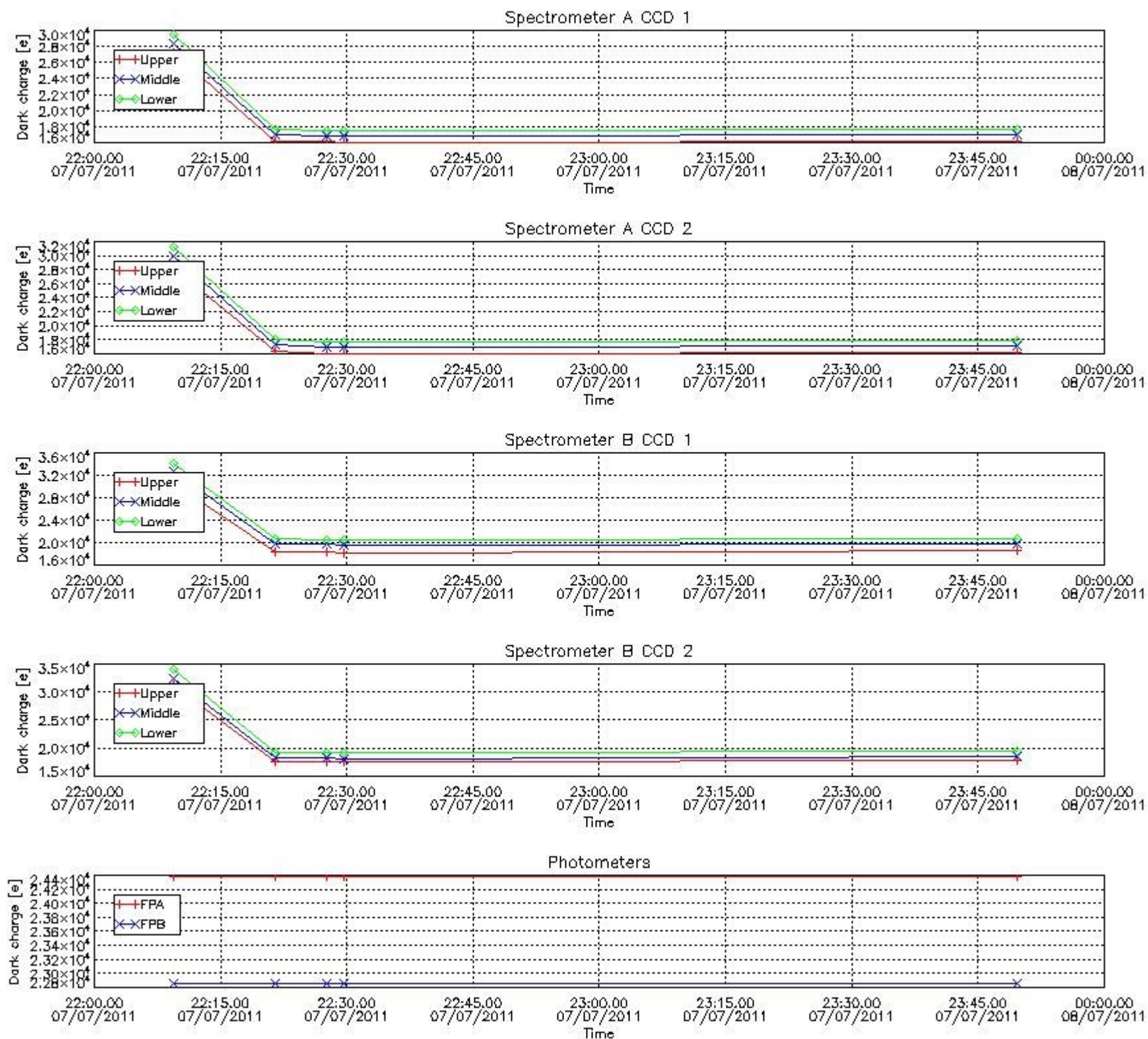
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110707_210811_000000433104_00187_48908_1482.N1	DC map used
GOM_TRA_1PNPDE20110707_211046_000000433104_00187_48908_1483.N1	DC map used
GOM_TRA_1PNPDE20110707_212207_000000443104_00187_48908_1484.N1	DC map used
GOM_TRA_1PNPDE20110707_212909_000000423104_00187_48908_1485.N1	DC map used
GOM_TRA_1PNPDE20110707_213213_000000413104_00187_48908_1486.N1	DC map used
GOM_TRA_1PNPDE20110707_214009_000000423104_00187_48908_1487.N1	DC map used
GOM_TRA_1PNPDE20110707_214844_000000473104_00187_48908_1488.N1	DC map used
GOM_TRA_1PNPDE20110707_215309_000000393104_00187_48908_1489.N1	DC map used
GOM_TRA_1PNPDE20110707_215503_000000413104_00187_48908_1490.N1	DC map used
GOM_TRA_1PNPDE20110707_215711_000000483104_00187_48908_1491.N1	DC map used
GOM_TRA_1PNPDE20110707_215949_000000443104_00187_48908_1492.N1	DC map used
GOM_TRA_1PNPDE20110707_220214_000000423104_00187_48908_1493.N1	DC map used
GOM_TRA_1PNPDE20110707_220923_000000533104_00187_48908_1494.N1	DC map used

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



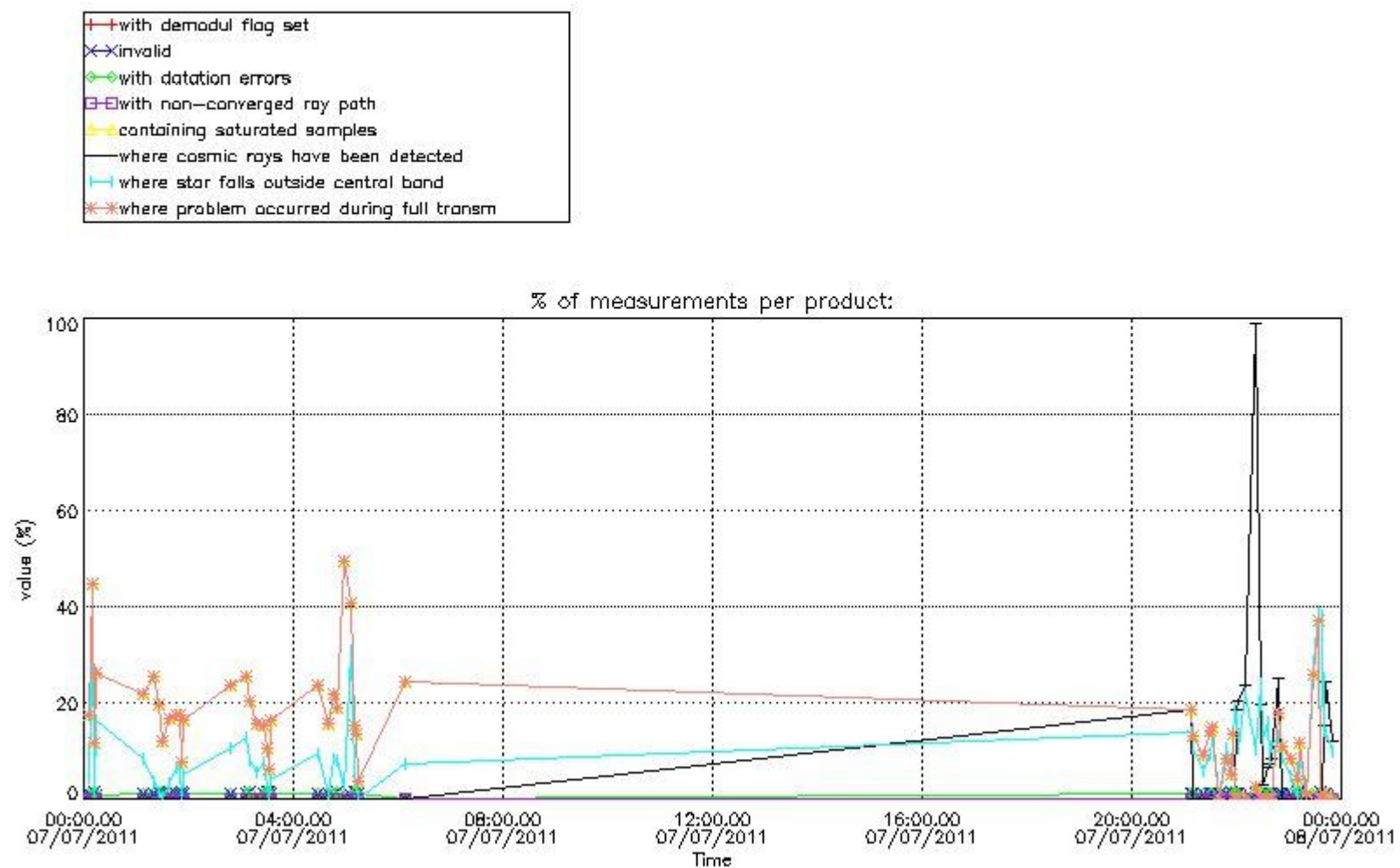
5. Demodulation flag and quality information monitoring

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.

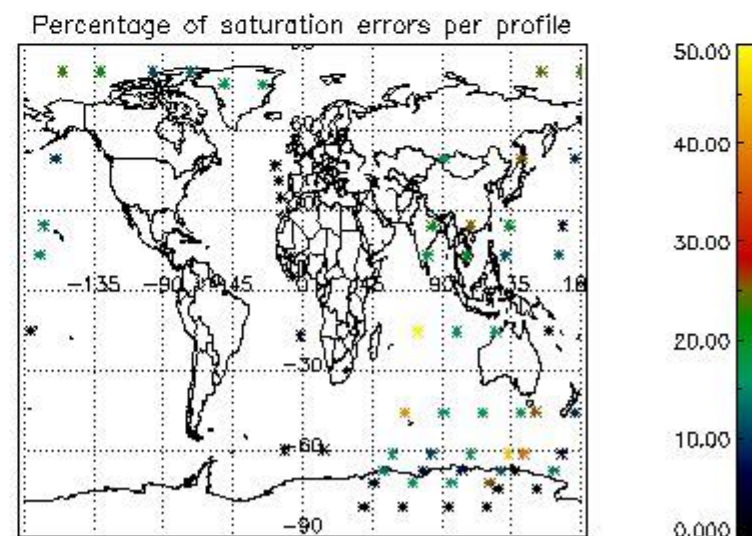
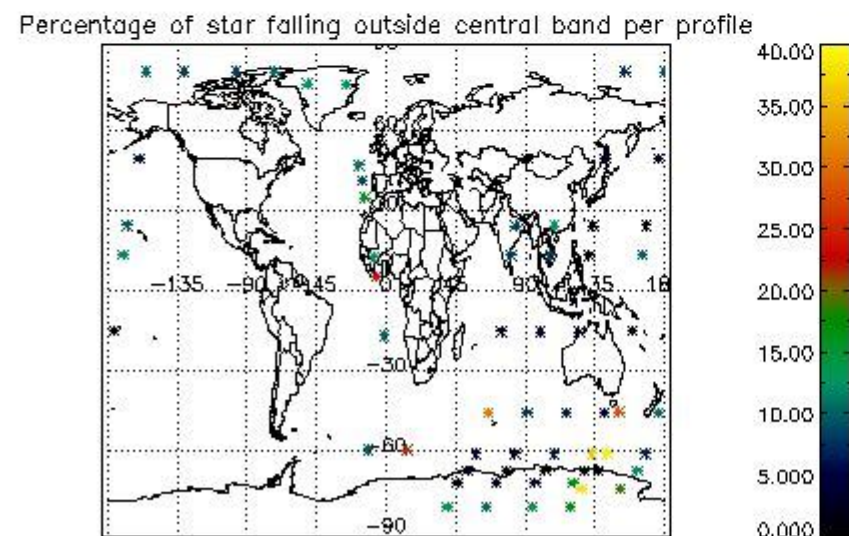
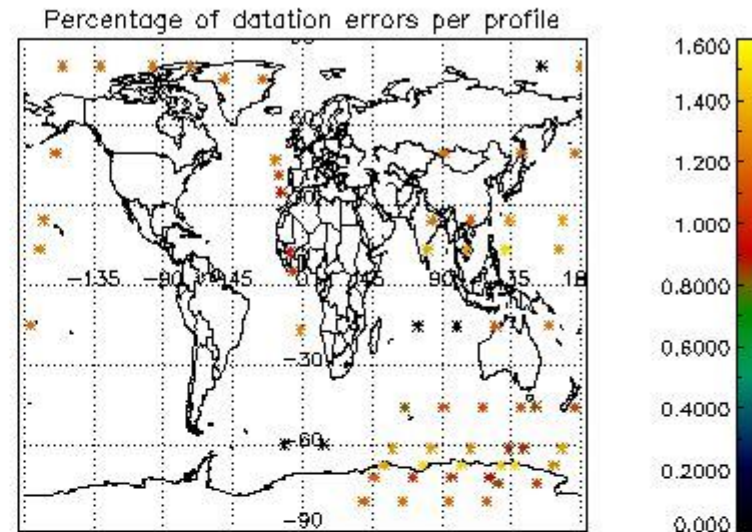
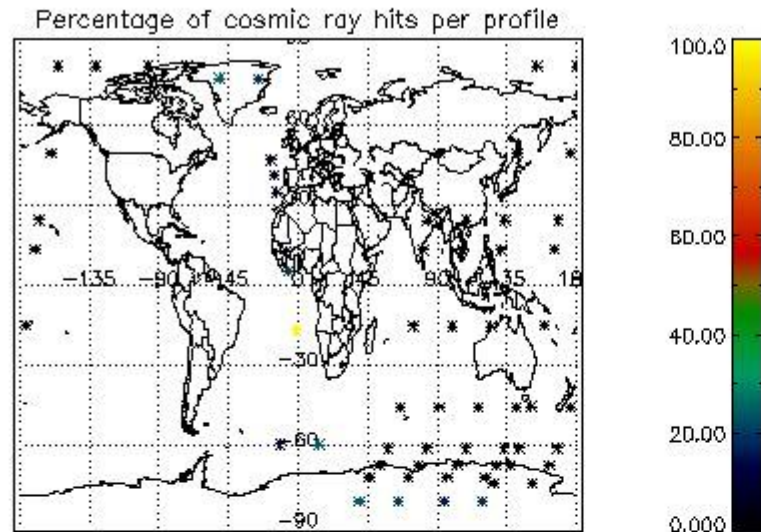
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	19.0476 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	80.9524 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



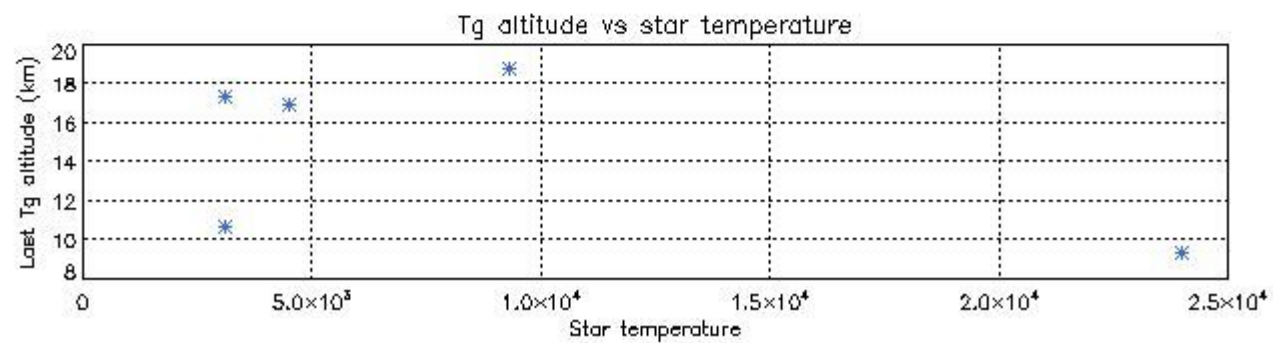
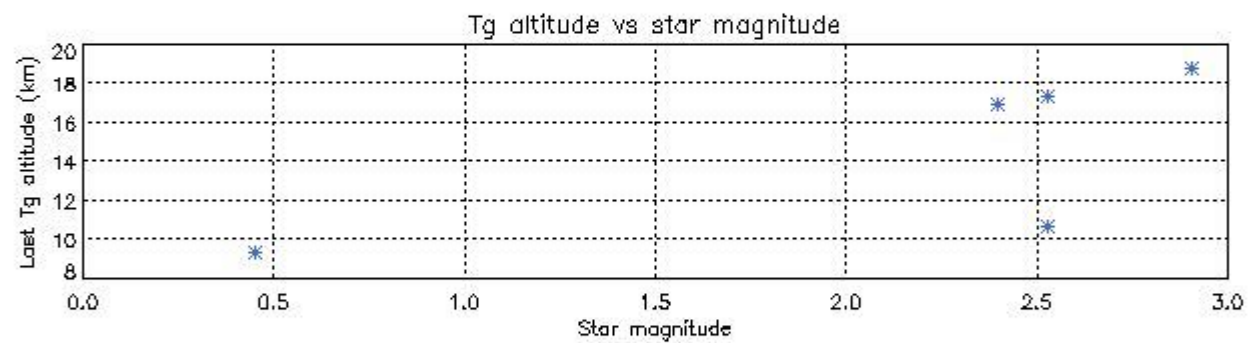
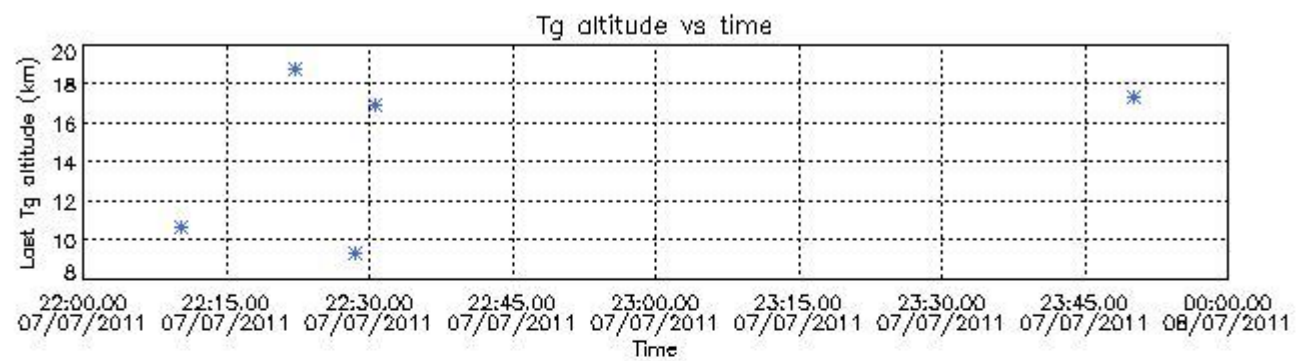
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.595	20.440	15.260
St. deviation:	4.2862	7.0608	0.57768
Maximum:	18.721	33.819	15.668
Minimum:	9.2973	4.0546	14.851
Number of data:	5.0000	51.000	2.0000

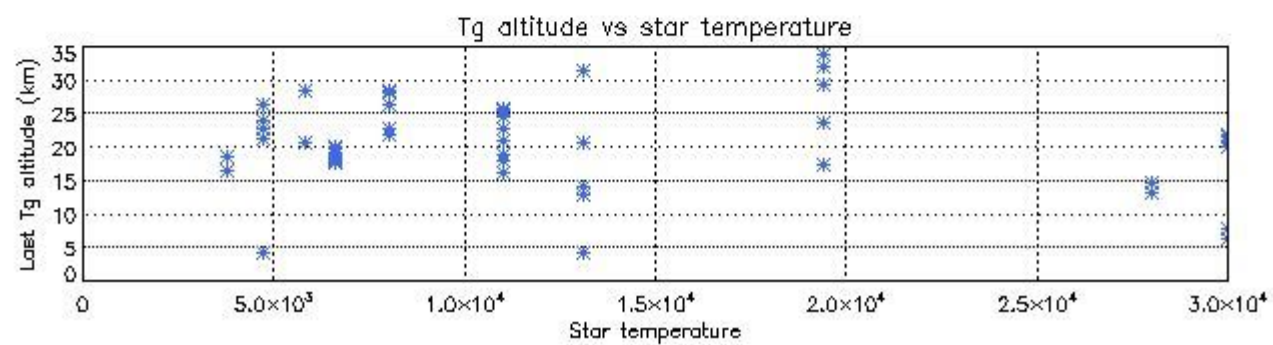
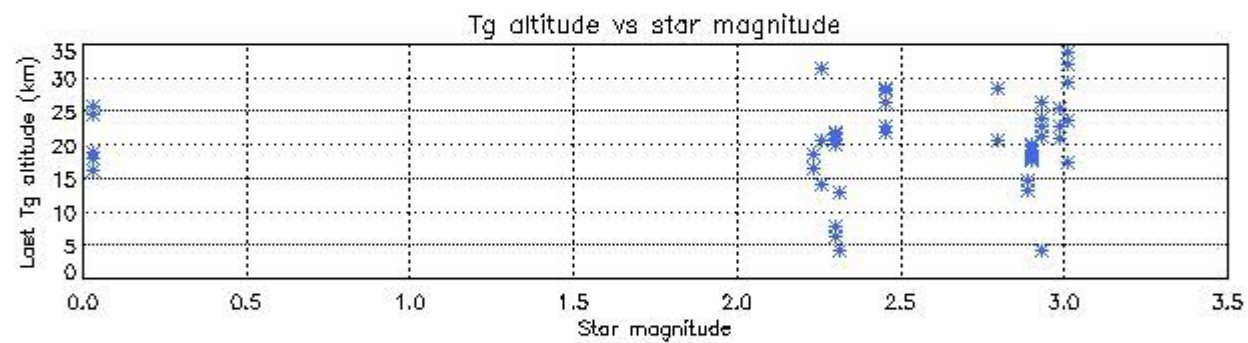
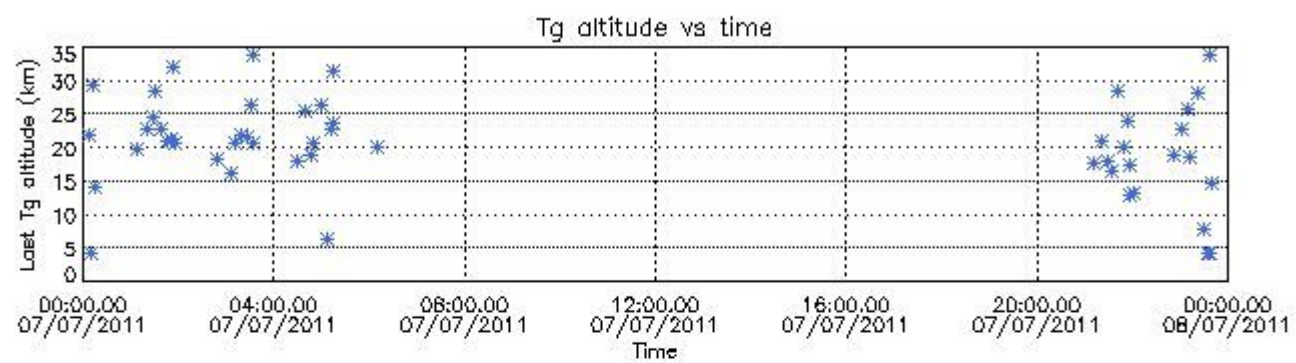
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



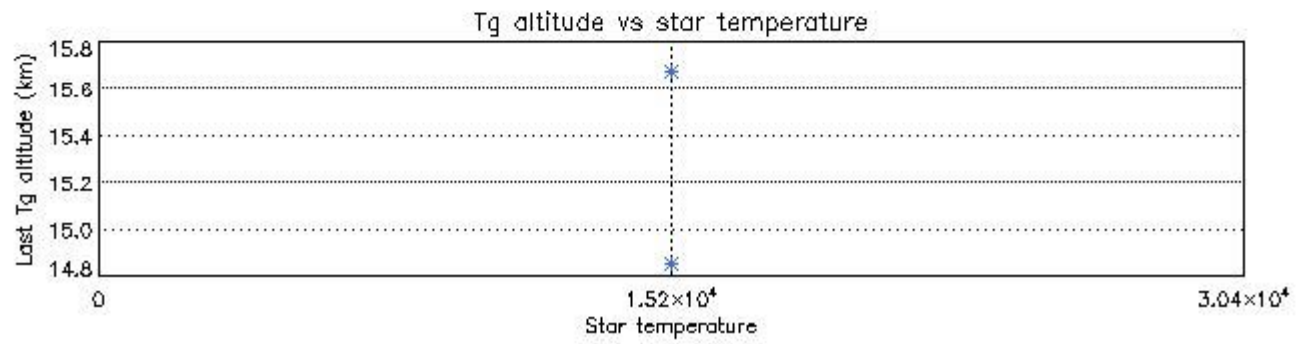
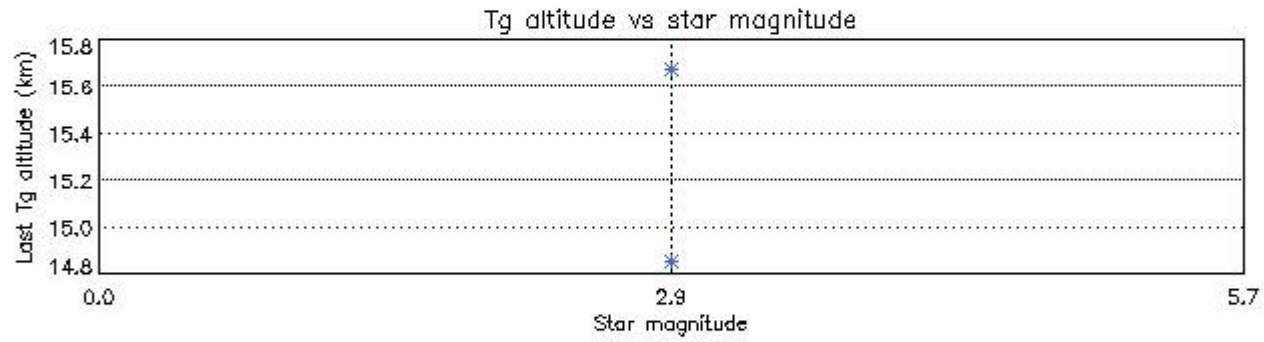
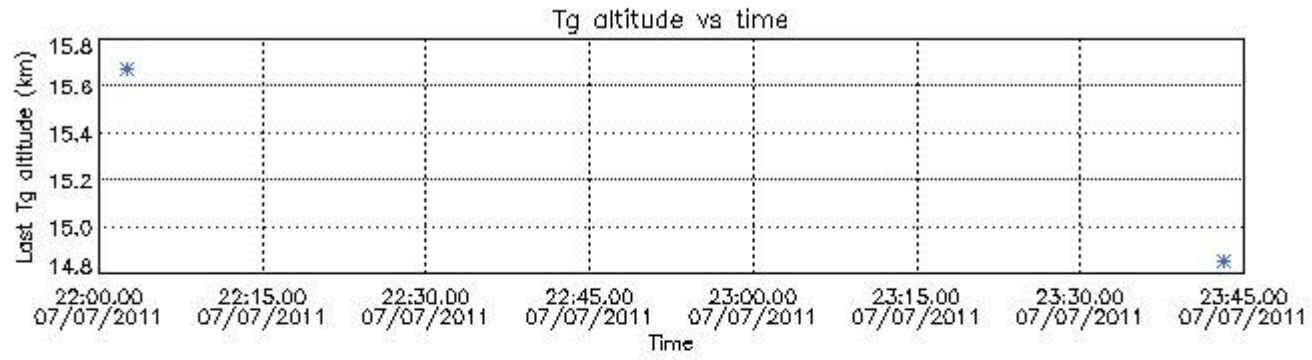
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

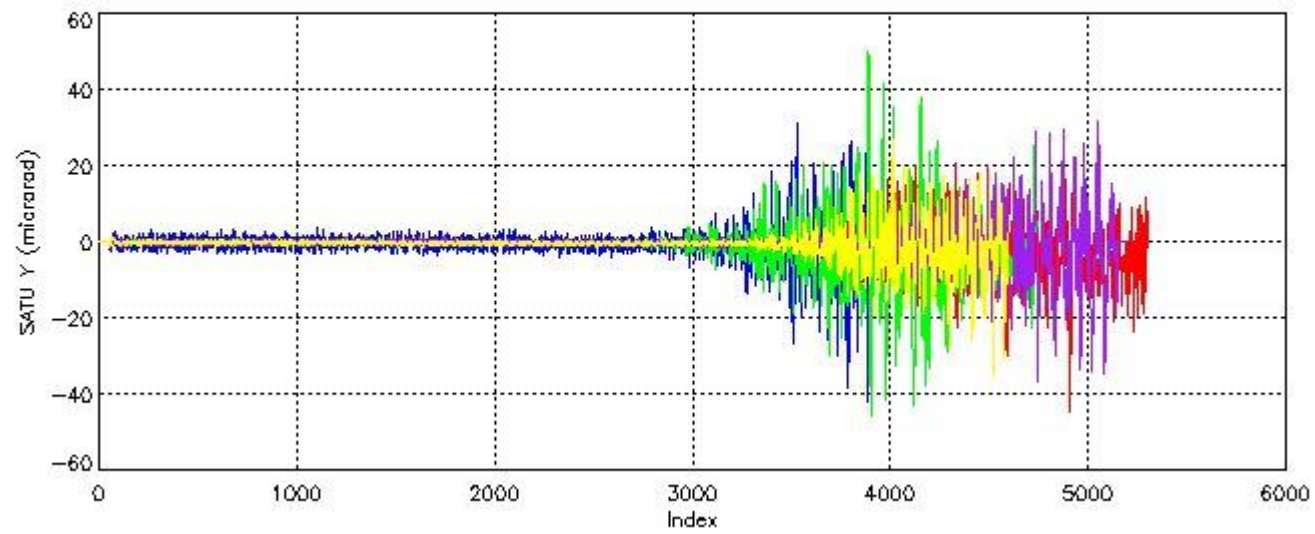
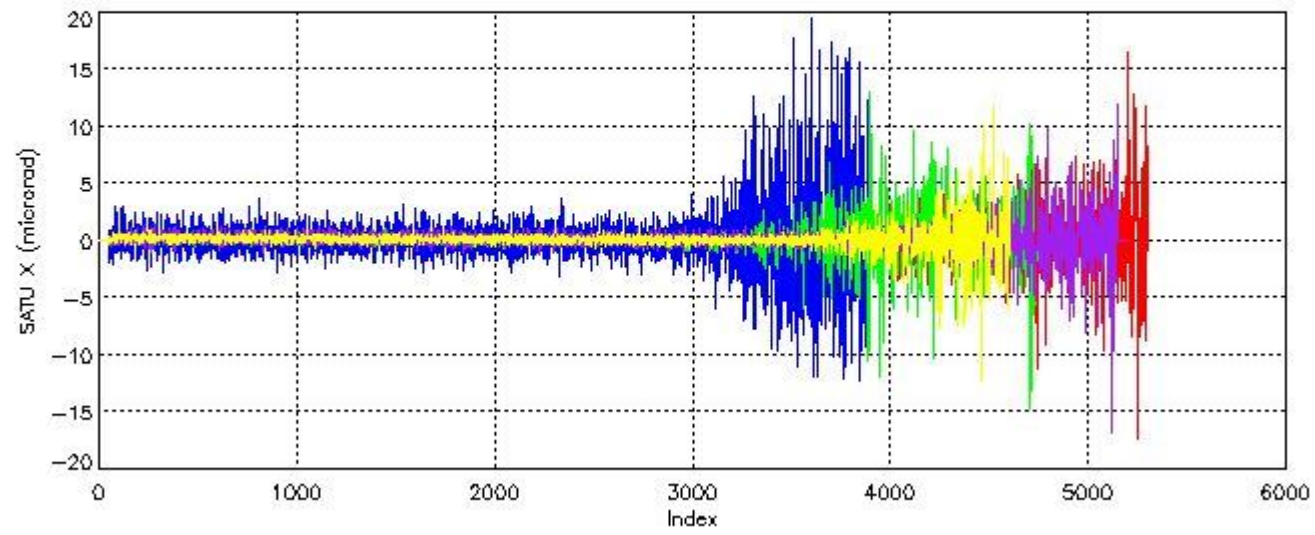


7. Star Acquisition and Tracking Unit (SATU)

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:	0.17570	-0.24844	0.16848	-0.23796
St. deviation:	0.41095	0.52697	0.91193	1.0433
Maximum:	3.6000	3.4000	7.0000	7.0000
Minimum:	-2.8000	-3.4000	-7.1000	-6.9000

Number of data:	5150.0	5150.0	50350.	50350.
90Percentile:	0.60000	0.30000	1.4000	1.1000

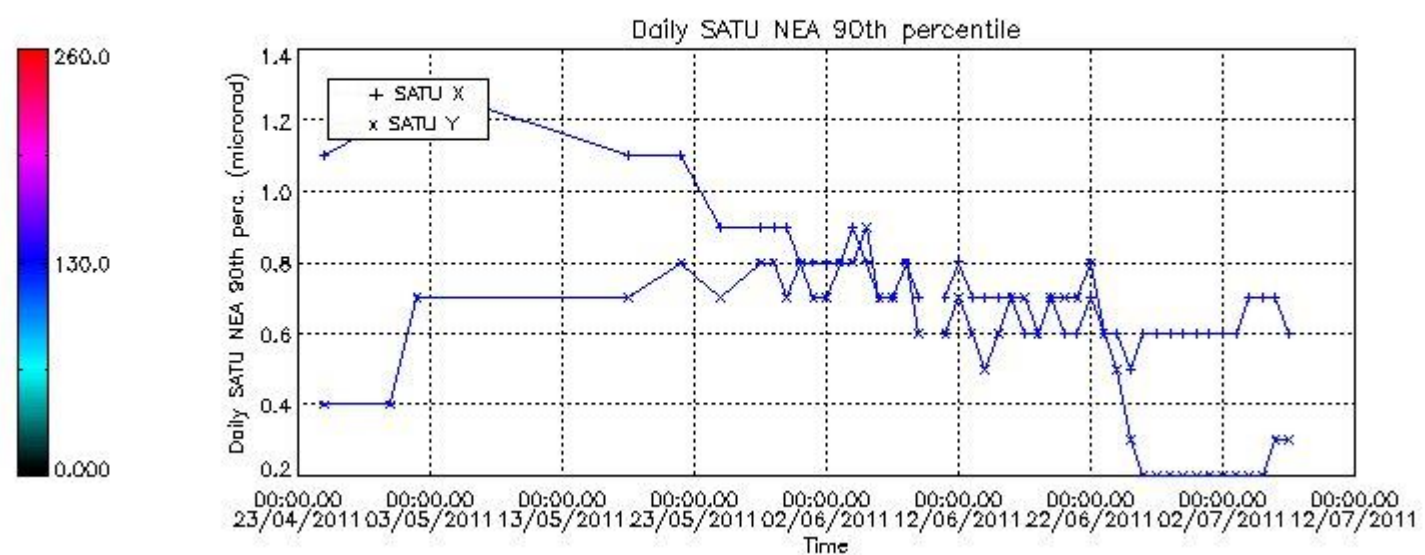
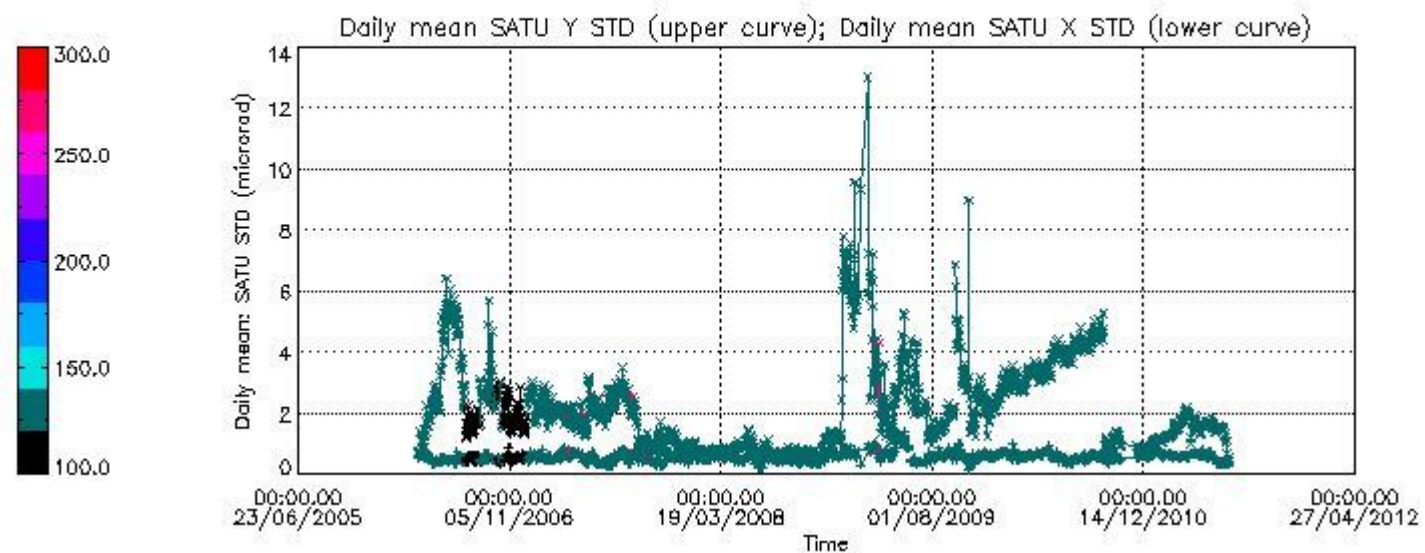
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

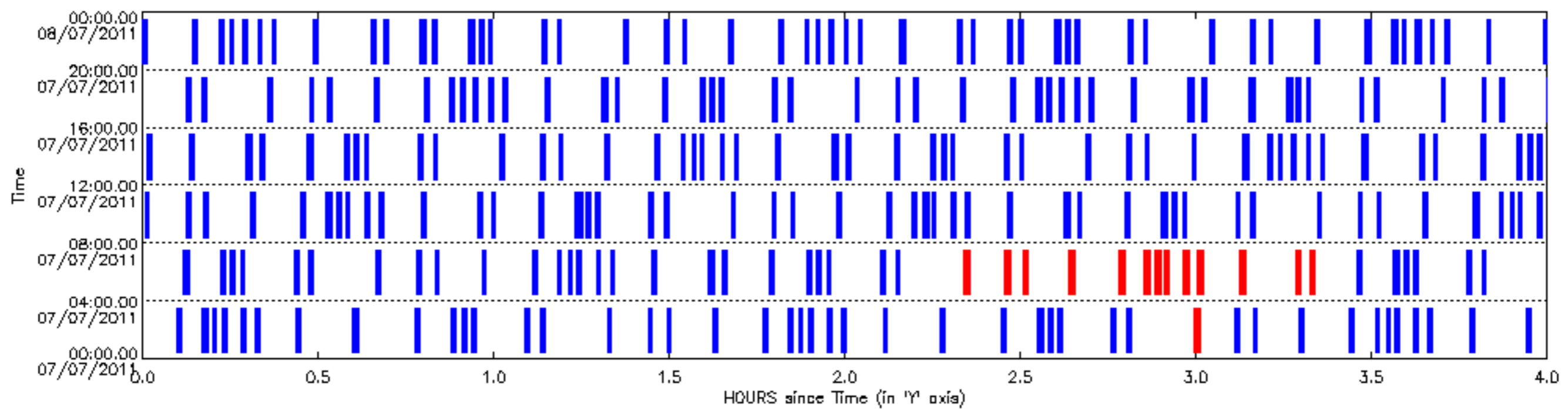
Lower curve: STD of SATU X axis

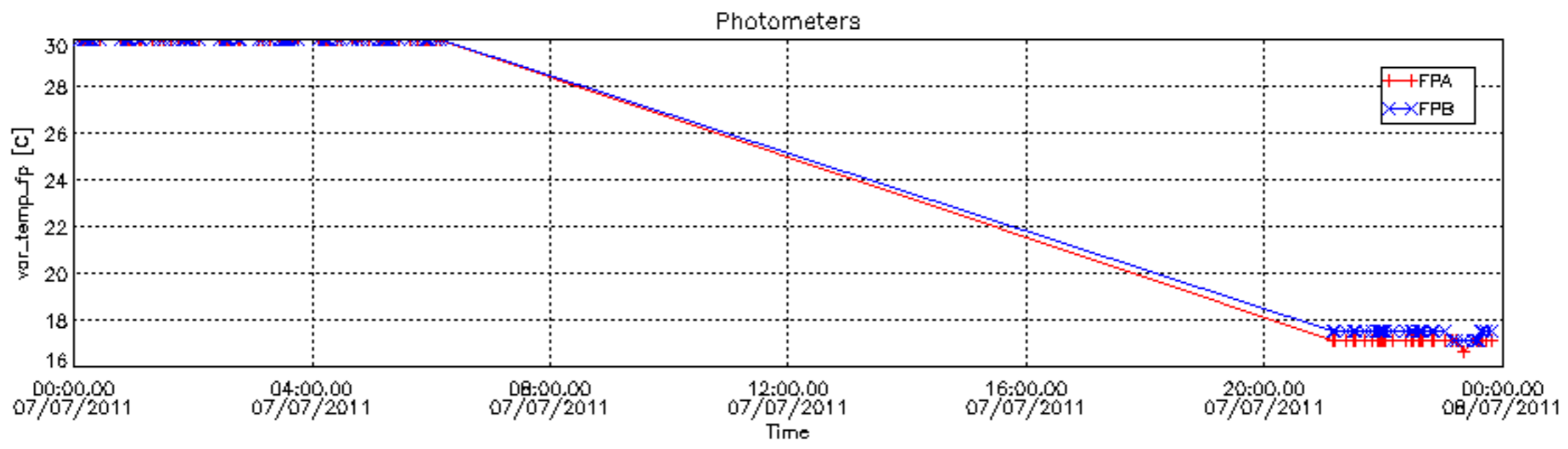
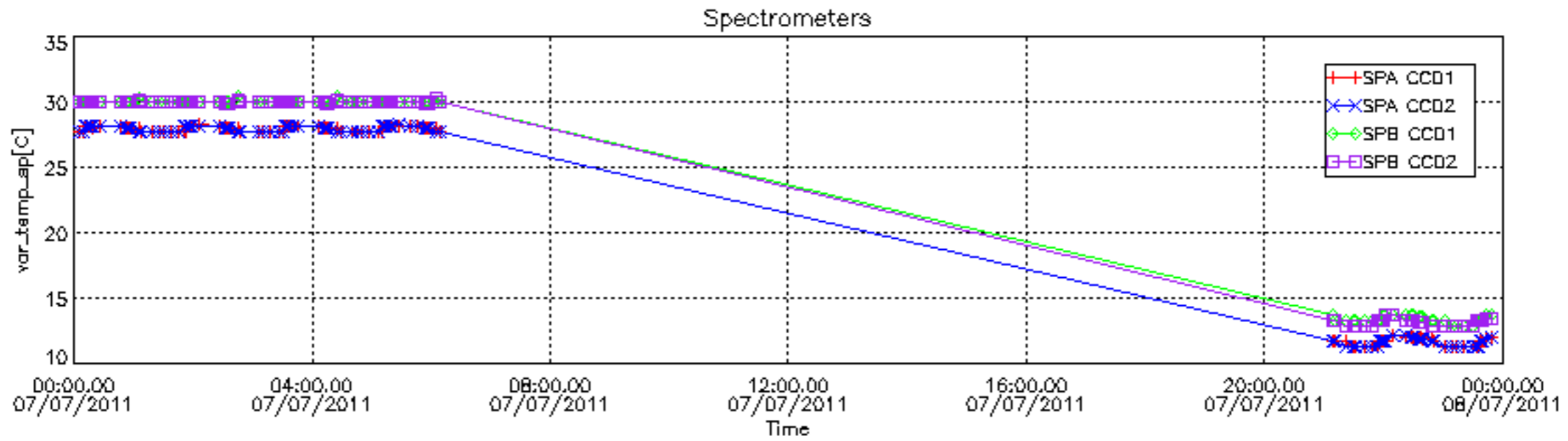


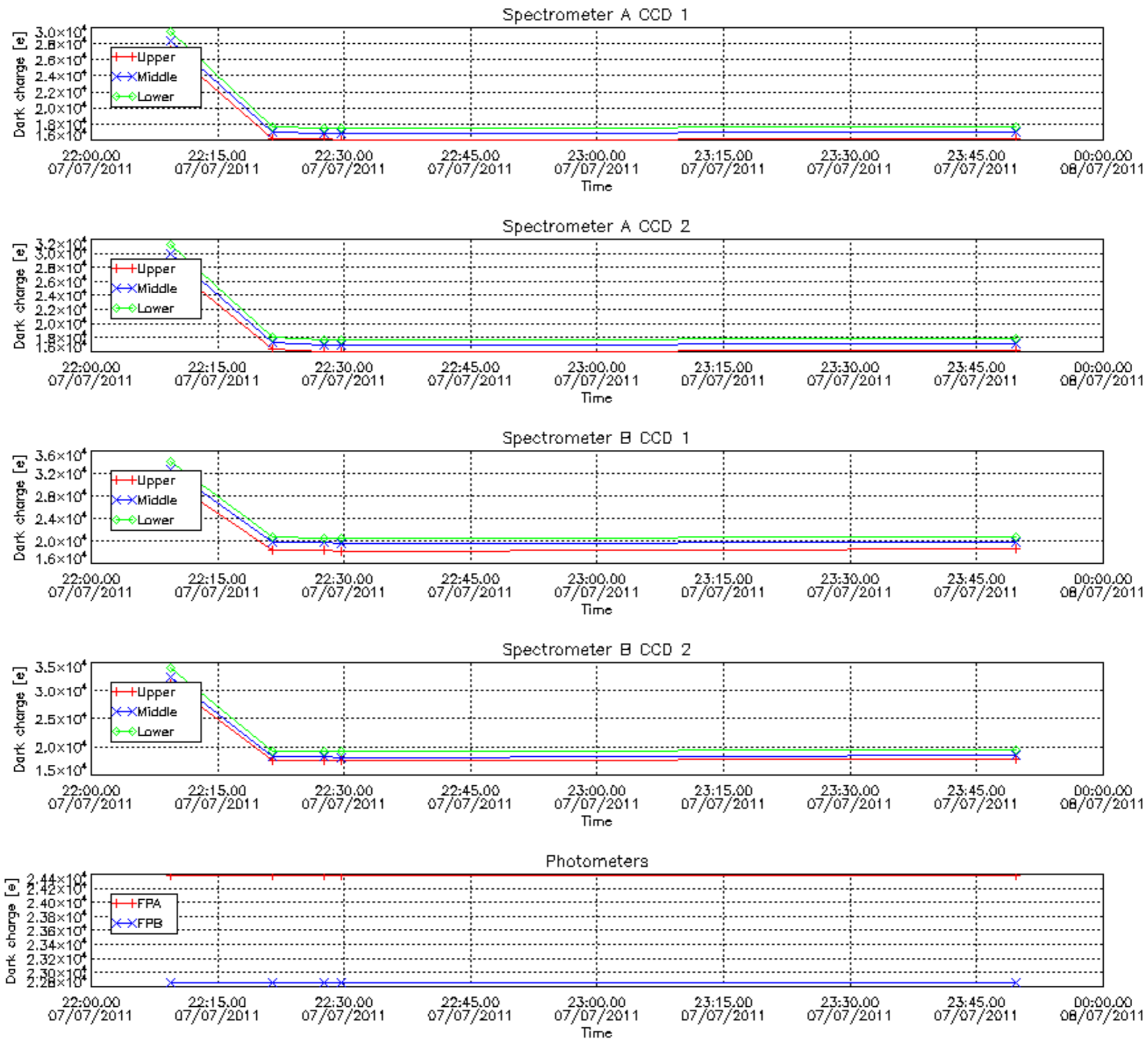
8. Auxiliary Data Files used for the production reported in section 2.4

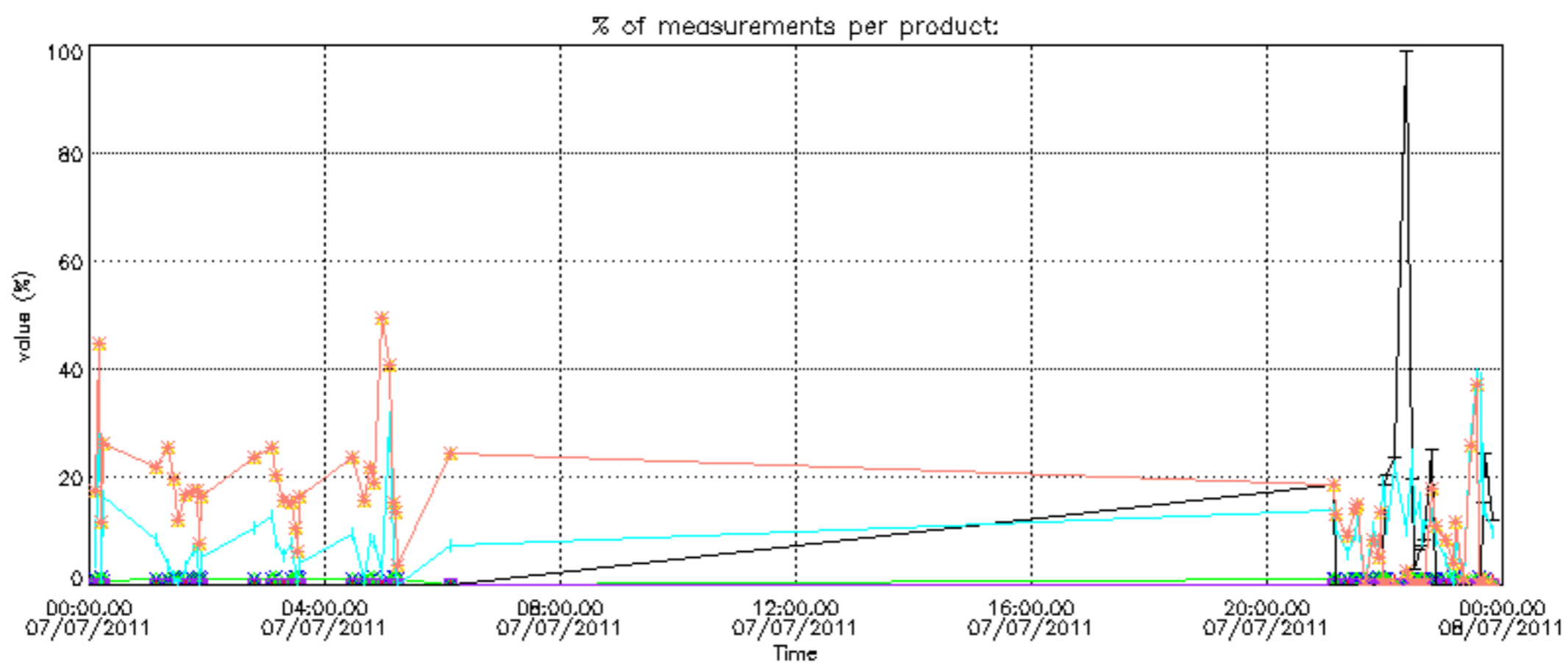
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-JUL-2011 00:05:48
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110628_073212_20110627_000000_20500101_000000	1	07-JUL-2011 00:05:48
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	07-JUL-2011 00:05:48
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	07-JUL-2011 00:05:48
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	07-JUL-2011 00:05:48
ECMWF_FILE	AUX_ECF_AXNECM20110706_063237_20110706_210000_20110707_090000	1	07-JUL-2011 00:05:48
ECMWF_FILE	AUX_ECF_AXNECM20110706_183234_20110707_030000_20110707_150000	34	07-JUL-2011 03:26:15
ECMWF_FILE	AUX_ECA_AXNECM20110707_061259_20110706_210000_20110707_090000	51	07-JUL-2011 05:06:29
ECMWF_FILE	AUX_ECF_AXNECM20110707_061300_20110707_210000_20110708_090000	65	07-JUL-2011 21:08:11
OPTIONAL_ECMWF_FILE	MISSING	1	07-JUL-2011 00:05:48
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110706_103235_20110705_183856_20110715_205243	1	07-JUL-2011 00:05:48
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110707_103300_20110706_194226_20110716_201559	65	07-JUL-2011 21:08:11

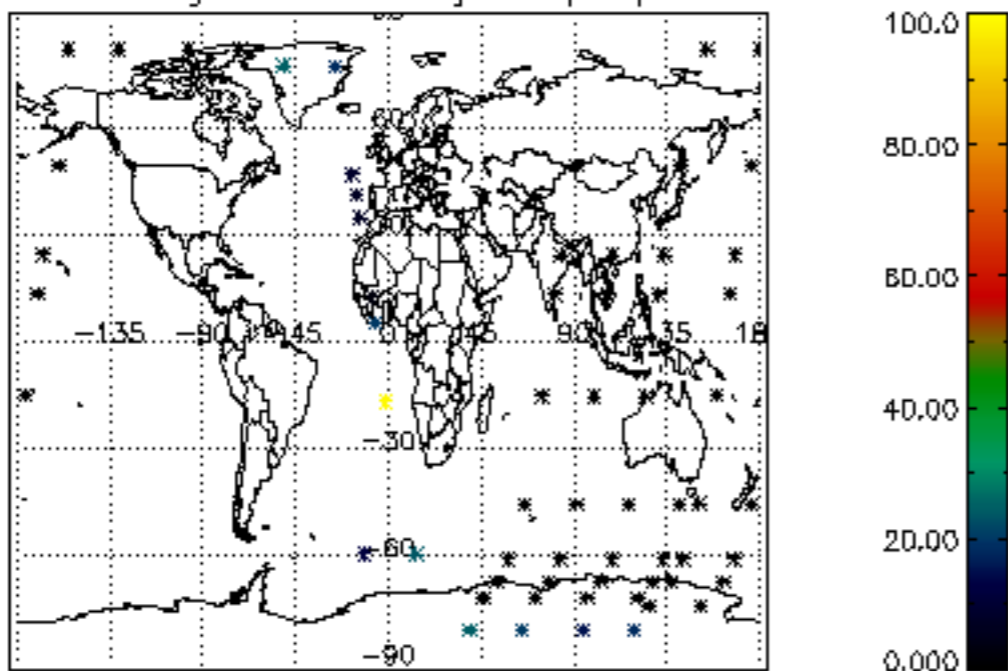




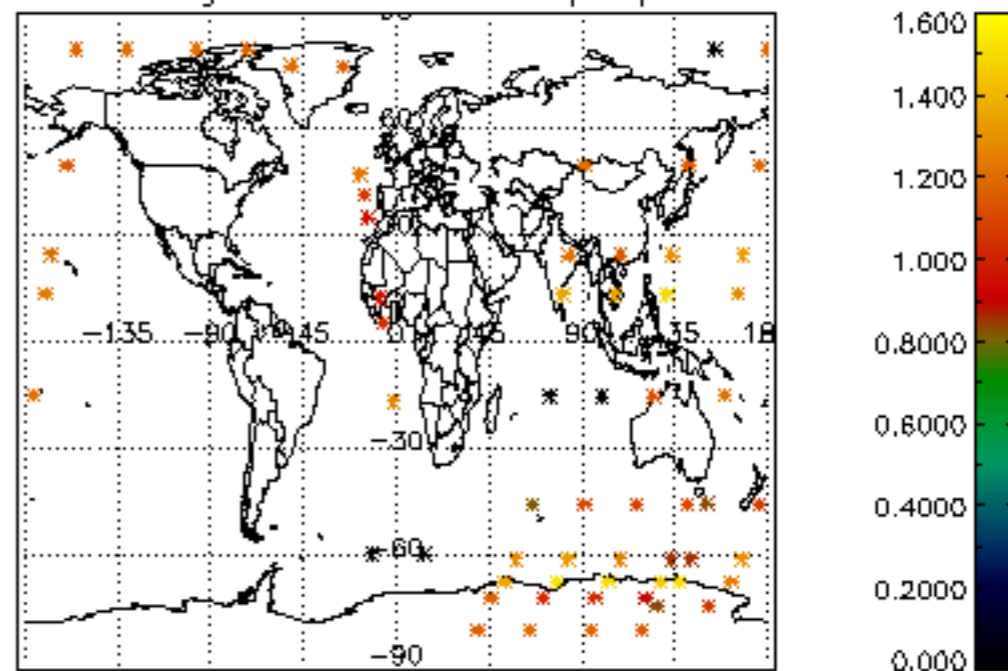




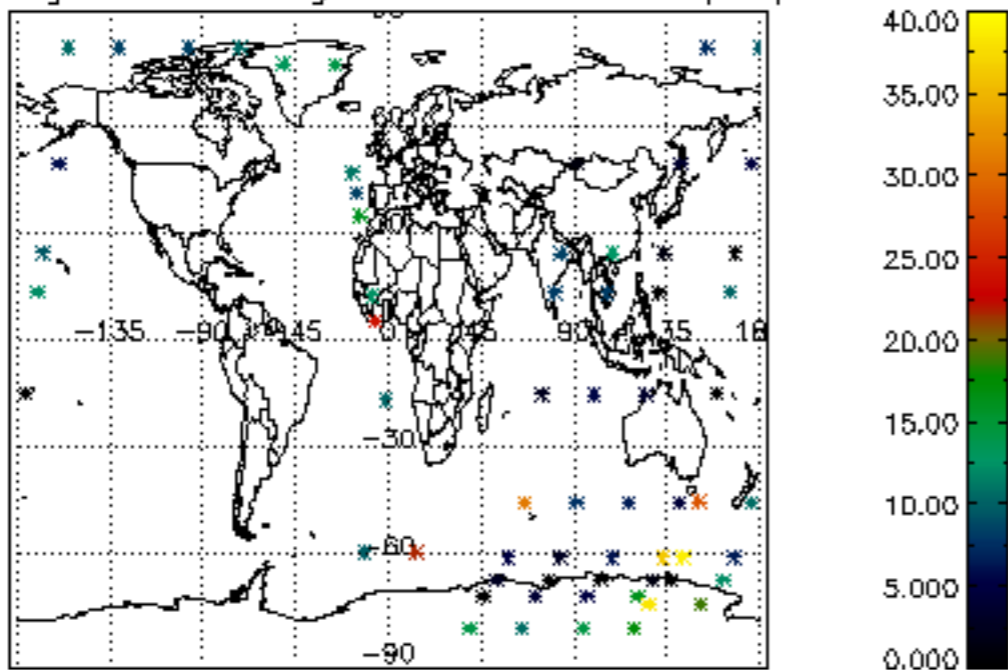
Percentage of cosmic ray hits per profile



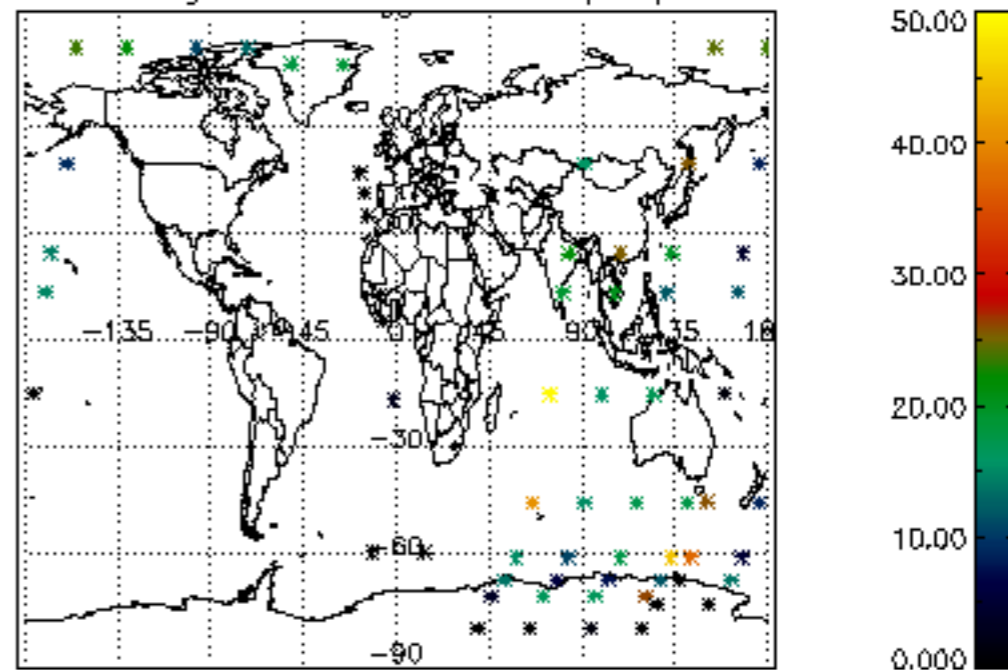
Percentage of datation errors per profile



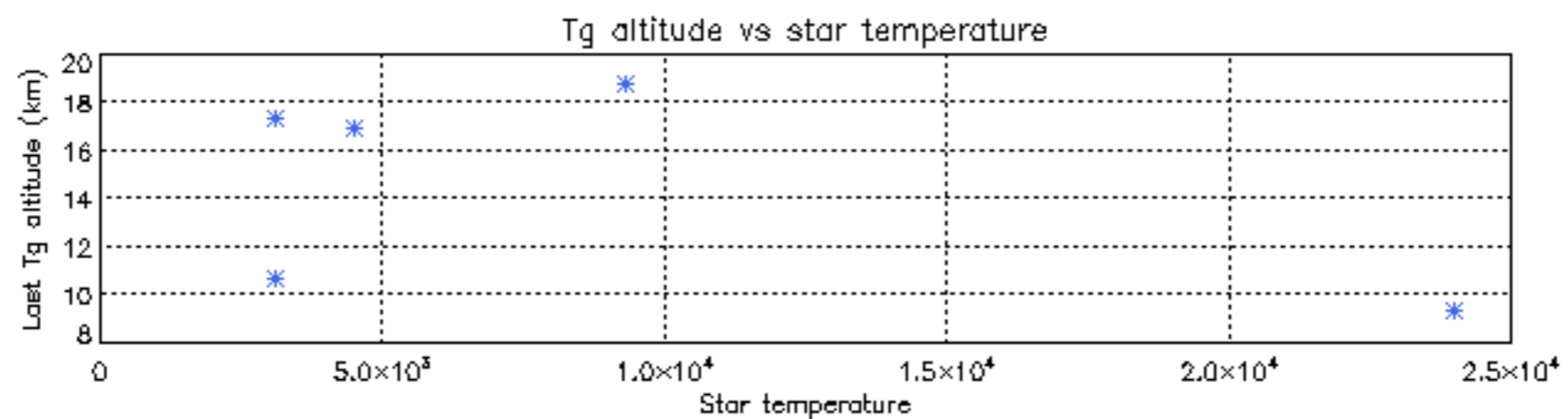
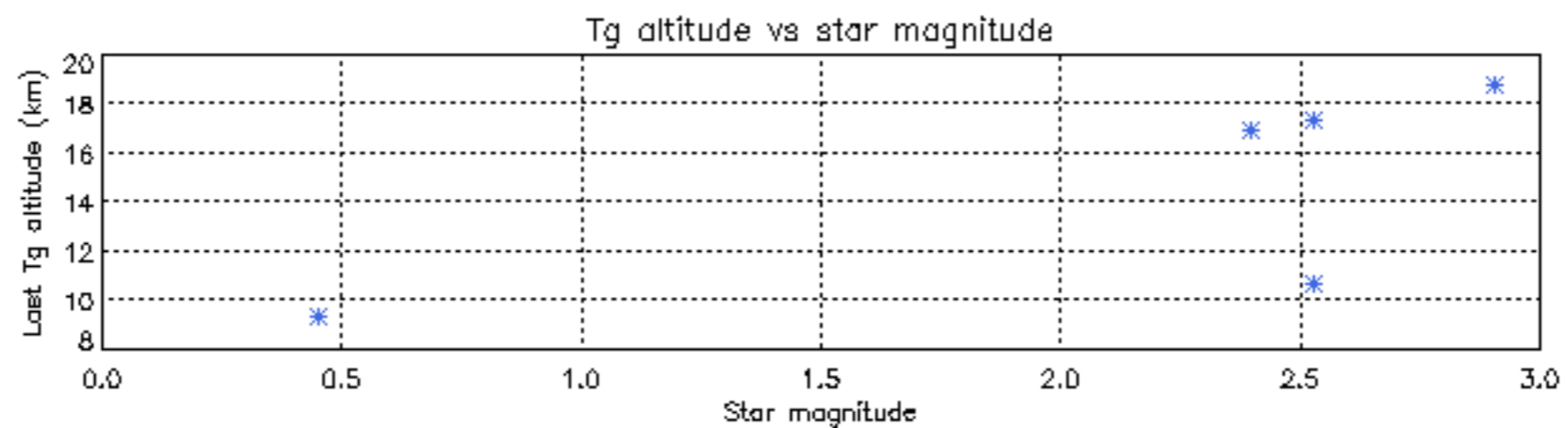
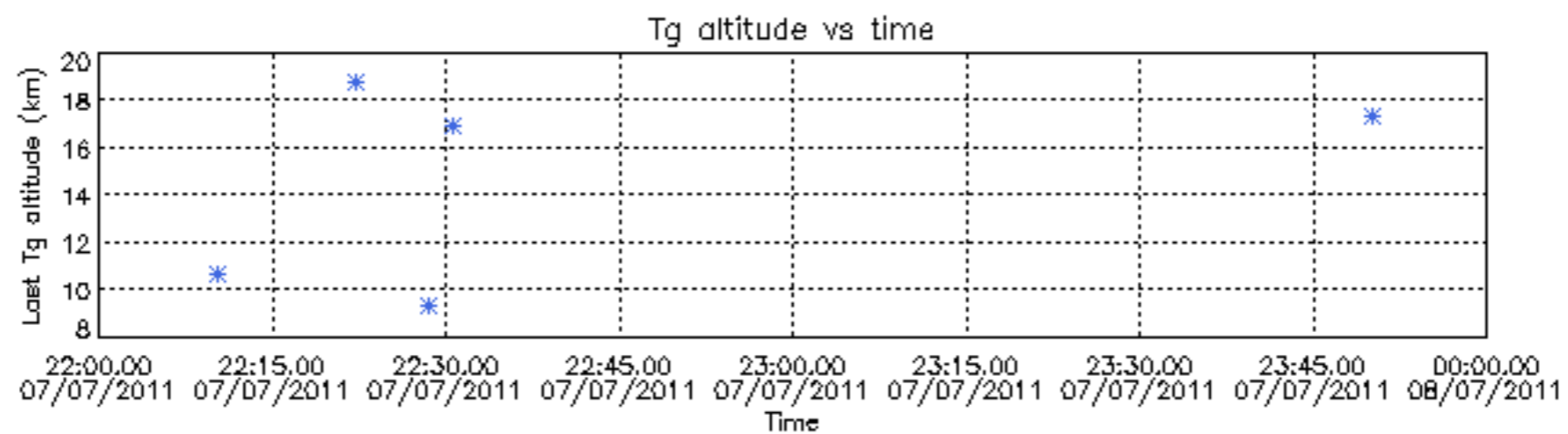
Percentage of star falling outside central band per profile



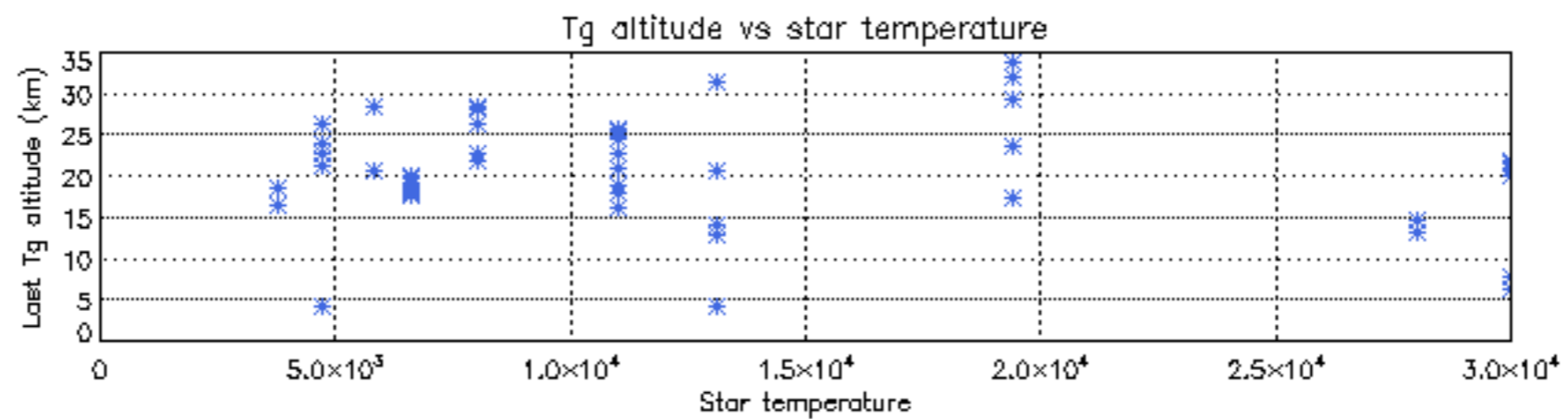
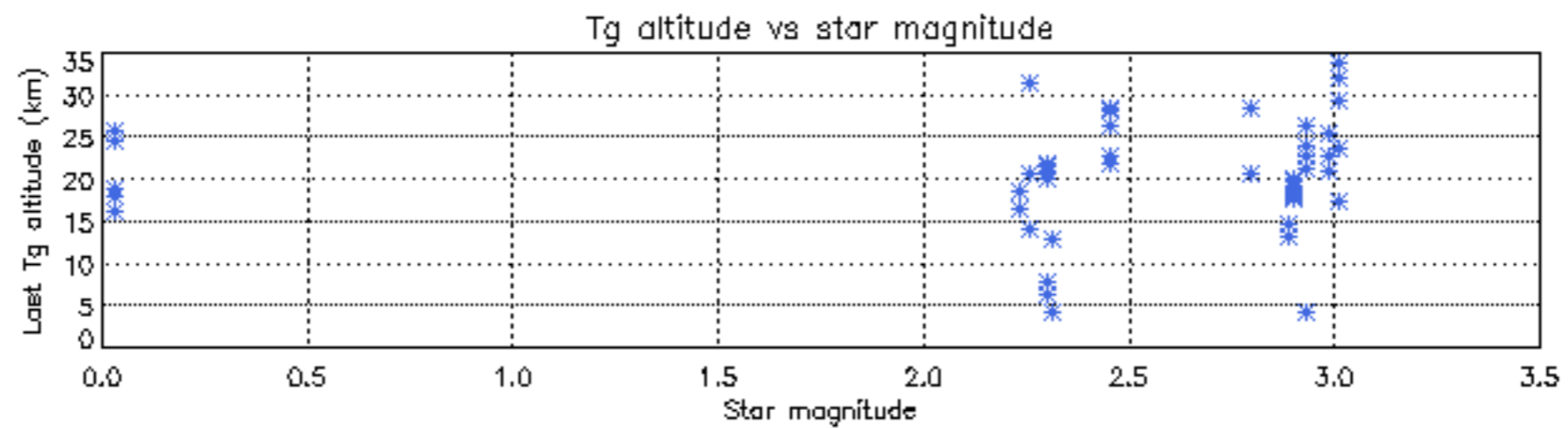
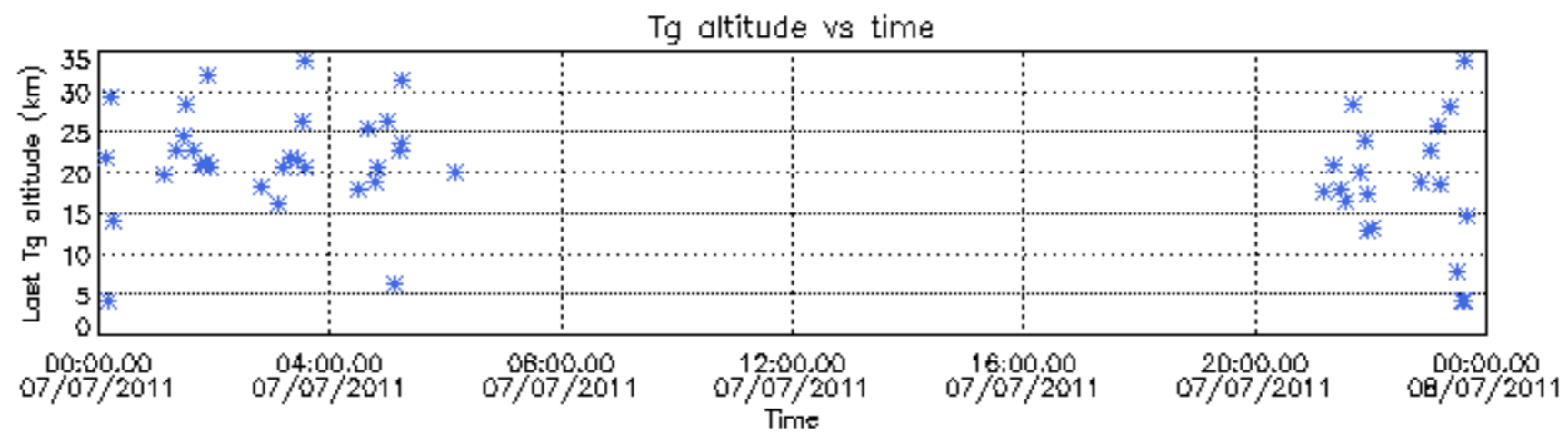
Percentage of saturation errors per profile



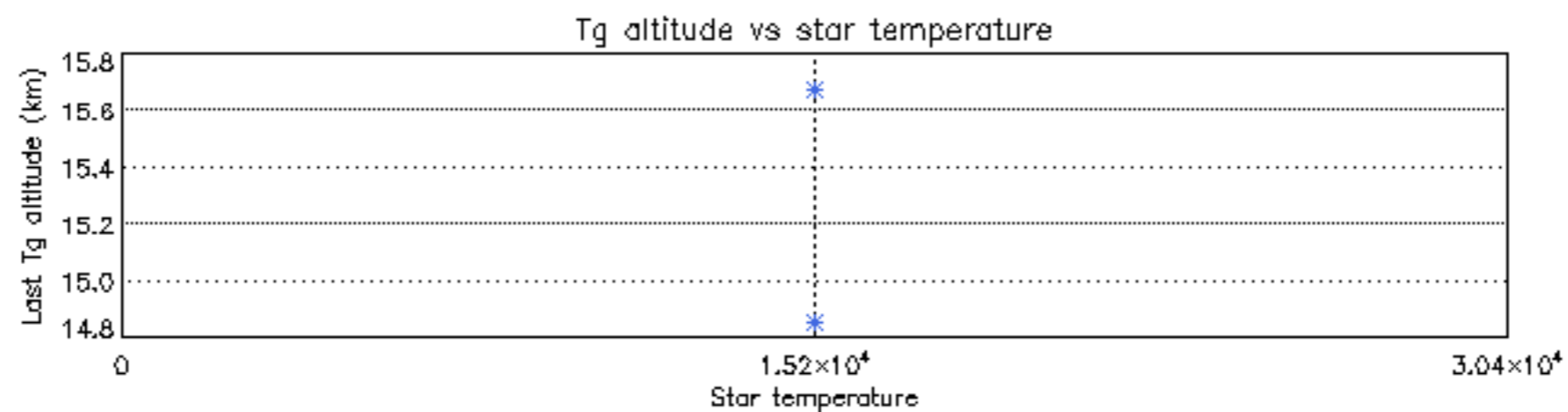
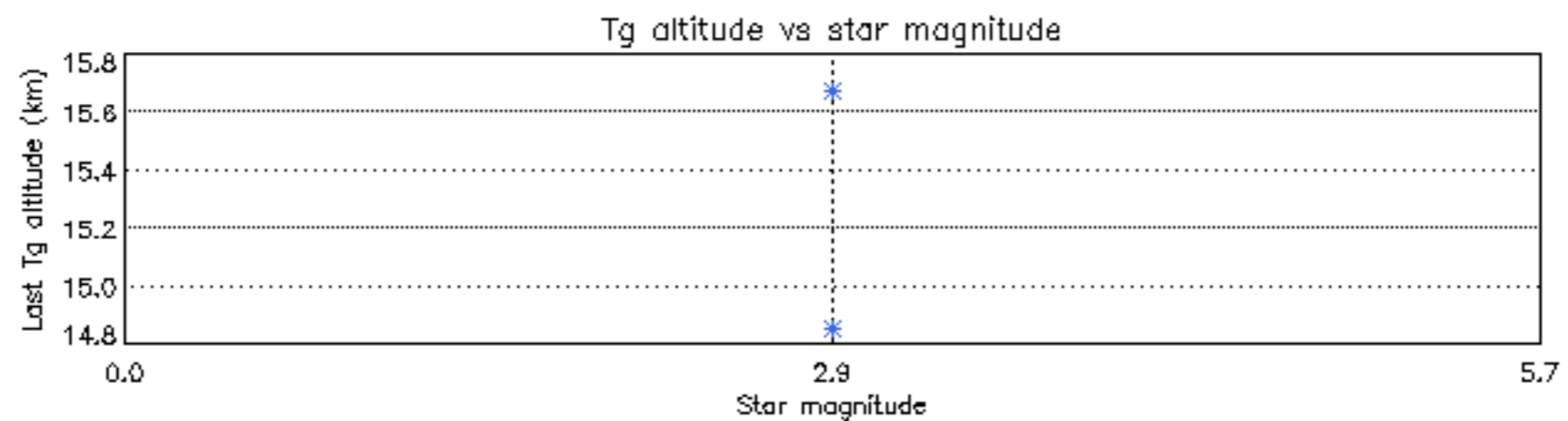
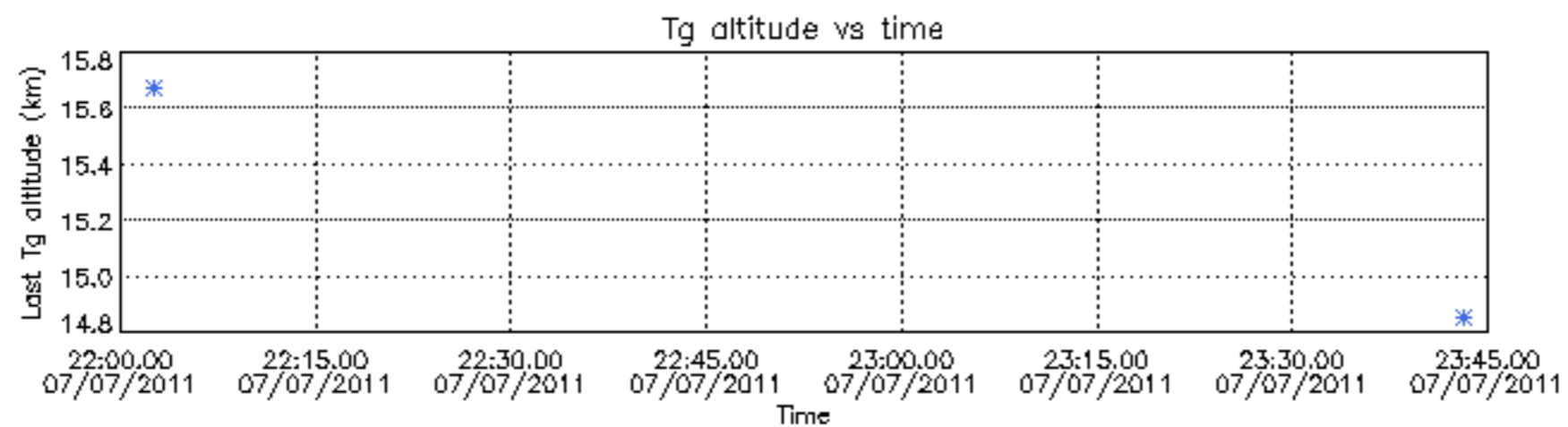
Tangent altitude at which the star is lost

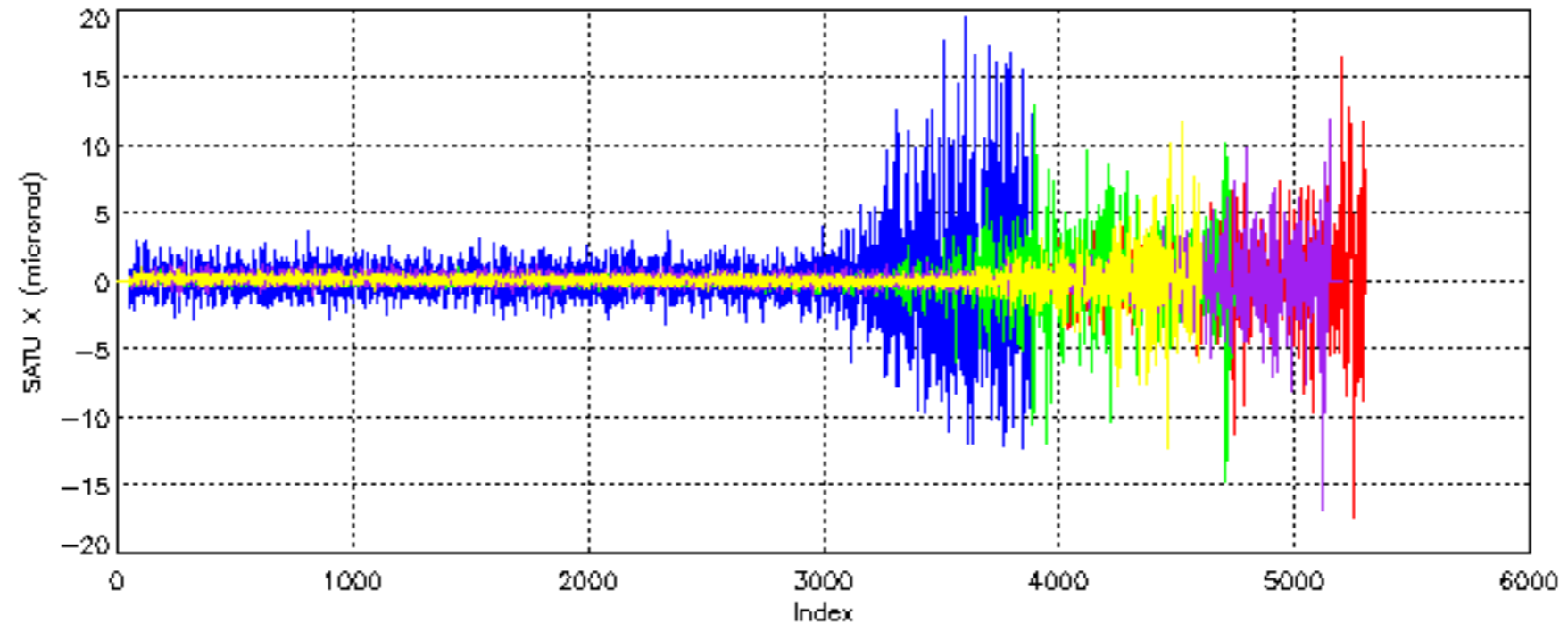


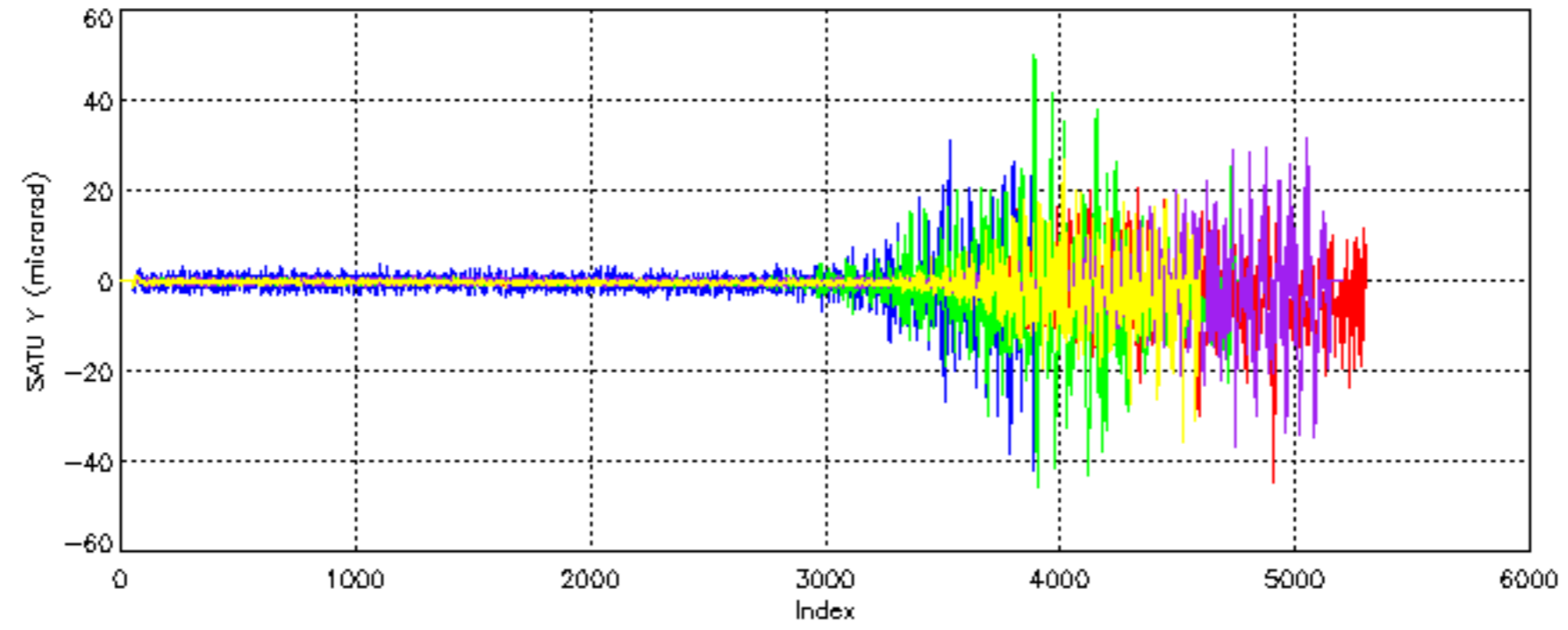
Tangent altitude at which the star is lost

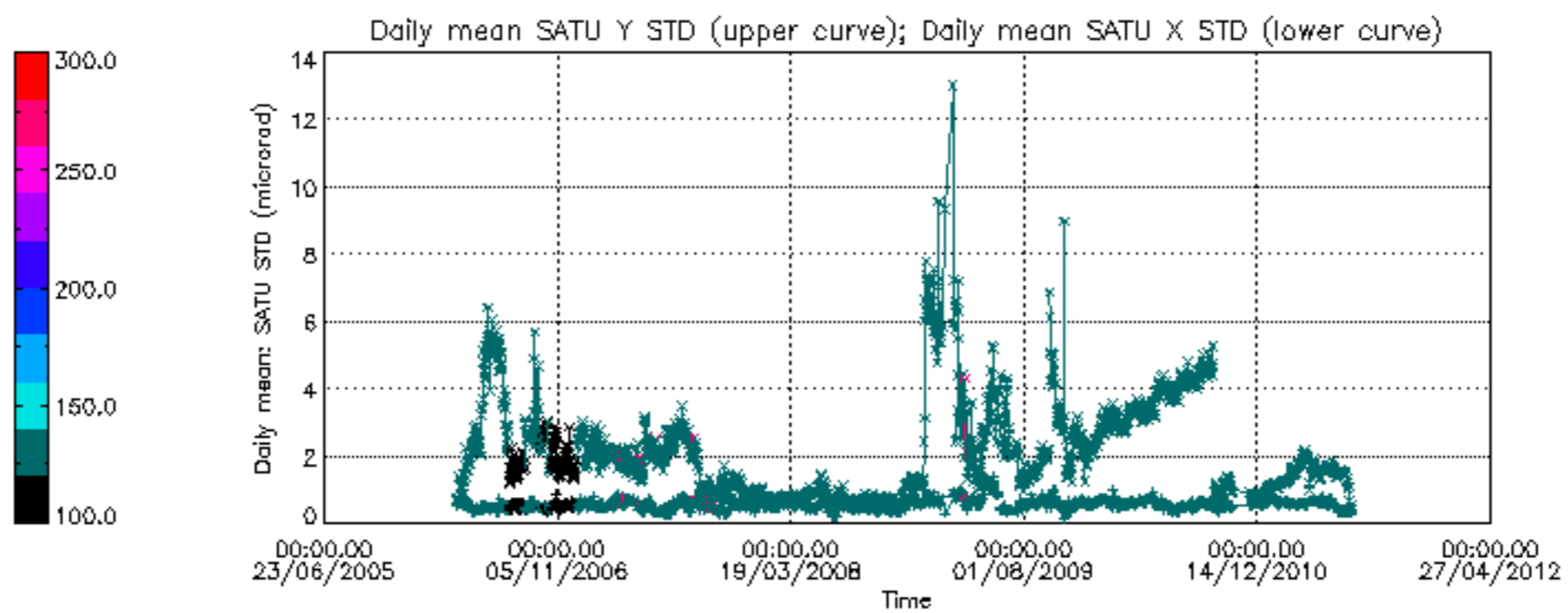


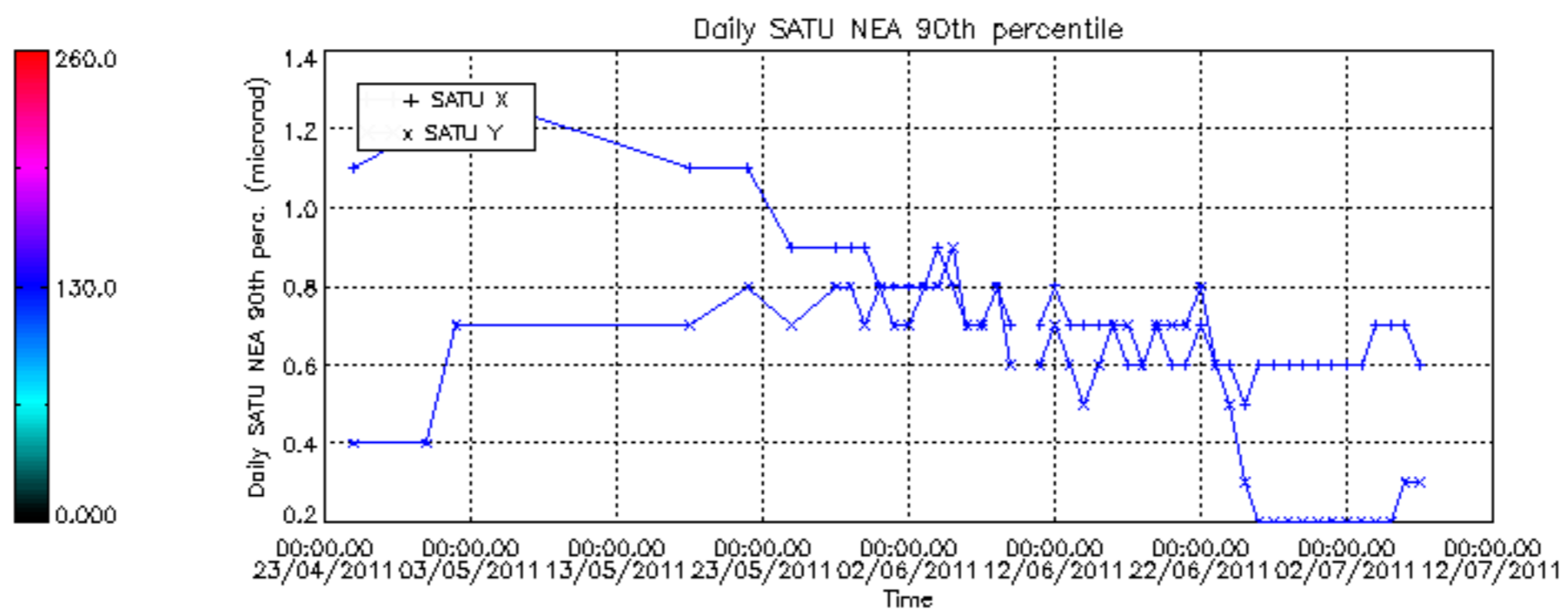
Tangent altitude at which the star is lost











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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110701_023439_000038843104_00089_48810_6026.N1
 1; -520.5; 01-JUL-2011 02:34:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48810
 2; 104.4; 01-JUL-2011 02:45:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48811
 3; 491.2; 01-JUL-2011 02:51:31; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48811
 4; 606.4; 01-JUL-2011 02:53:26; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48811
 5; 744.1; 01-JUL-2011 02:55:43; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48811
 6; 1308.9; 01-JUL-2011 03:05:08; Dark ; 49.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 98; 0;48811
 7; 1472.5; 01-JUL-2011 03:07:52; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48811
 8; 1969.7; 01-JUL-2011 03:16:09; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48811
 9; 2108.6; 01-JUL-2011 03:18:28; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48811
10; 2210.9; 01-JUL-2011 03:20:10; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48811
11; 2630.2; 01-JUL-2011 03:27:10; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;48811
12; 2791.4; 01-JUL-2011 03:29:51; Bright; 34.0; 130; 23Bet Dra ; 2.80; 5800;occ; 68; 0;48811
13; 2894.4; 01-JUL-2011 03:31:34; Bright; 63.0; 144; 18Del Cyg ; 2.86; 11000;occ; 126; 0;48811
14; 3316.2; 01-JUL-2011 03:38:36; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48811
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110701_034557_000056173104_00090_48811_6027.N1
 1;-2256.8; 01-JUL-2011 03:45:57; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;48811
 2;-2161.3; 01-JUL-2011 03:47:32; Bright; 44.5; 110; 37Del Cas ; 2.68; 8900;occ; 89; 0;48811
 3;-1972.6; 01-JUL-2011 03:50:41; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48811
 4;-1868.4; 01-JUL-2011 03:52:25; Bright; 34.0; 175; 39Del Per ; 3.01; 19400;occ; 68; 0;48811
 5;-1770.7; 01-JUL-2011 03:54:03; Bright; 66.0; 73; 57Gam1And ; 2.26; 13100;occ; 132; 0;48811
 6;-1611.4; 01-JUL-2011 03:56:42; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48811
 7;-1354.4; 01-JUL-2011 04:00:59; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;48811
 8;-1054.6; 01-JUL-2011 04:05:59; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48811
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3; 2701.0; 25-JUL-2011 08:49:26; Bright; 39.5; 144; 18Del Cyg ; 2.86; 11000;occ; 79; 0;49159
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5; 3111.6; 25-JUL-2011 08:56:17; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;49159
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9; 4177.3; 25-JUL-2011 09:14:03; Bright; 38.5; 6; 13Alp Aur ; 0.08; 3400;occ; 77; 0;49159
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 13; 3107.6; 25-JUL-2011 22:18:05; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;49167
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10; 4618.5; 31-JUL-2011 15:42:22; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;49249
11; 4768.2; 31-JUL-2011 15:44:51; Dark ; 57.5; 13; 87Alp Tau ; 0.87; 3800;occ; 115; 0;49249
12; 4888.6; 31-JUL-2011 15:46:52; Dark ; 45.0; 27; 24Gam Ori ; 1.64; 26000;occ; 90; 0;49249
13; 4993.4; 31-JUL-2011 15:48:37; Dark ; 43.5; 72; 34Del Ori ; 2.25; 30000;occ; 87; 0;49249
14; 5151.5; 31-JUL-2011 15:51:15; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;49249
15; 5427.4; 31-JUL-2011 15:55:51; Dark ; 54.0; 165; 34Gam Eri ; 2.95; 3200;occ; 108; 0;49249
16; 5717.9; 31-JUL-2011 16:00:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49249
17; 5991.3; 31-JUL-2011 16:05:15; Dark ; 46.0; 157; The1Eri ; 2.91; 9300;occ; 92; 0;49249
18; 6319.5; 31-JUL-2011 16:10:43; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;49250
19; 6606.3; 31-JUL-2011 16:15:30; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;49250
20; 6928.8; 31-JUL-2011 16:20:52; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;49250

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21; 7115.9; 31-JUL-2011 16:23:59; Dark ; 44.0; 172; Gam Gru ; 3.00; 13100;occ; 88; 0;49250

