

GOMOS Daily Report 23-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	26JUL2011 09:43:01
Data source version	GOMOS/6.01
Start time of products	23JUL2011 00:00:30
Stop time of products	23JUL2011 23:58:36
Store outputs in DB	Yes
Nb of level 1b prods	264
Nb of prods with errors	2

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

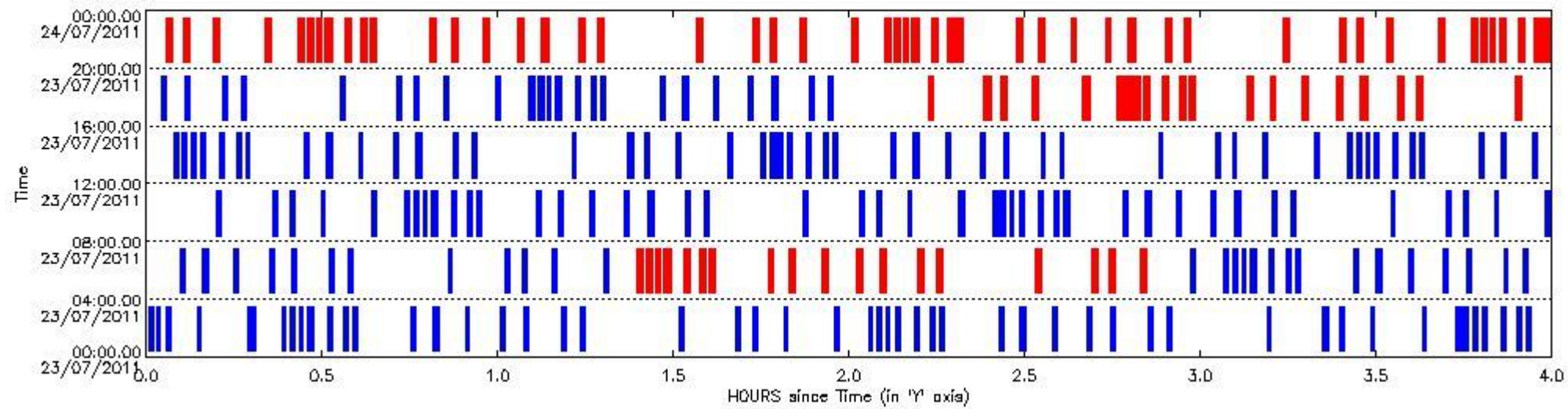
2.1 Level 0 products arrived in PCF (see template [here](#))

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
23-JUL-2011 05:23:51	23GamPer	160	49128
23-JUL-2011 05:25:20	33AlpPer	35	49128
23-JUL-2011 05:26:54	13AlpAur	6	49128
23-JUL-2011 05:28:24	26BetPer	79	49128
23-JUL-2011 05:31:40	44ZetPer	150	49128
23-JUL-2011 05:34:29	25EtaTau	146	49128
23-JUL-2011 05:36:05	87AlpTau	13	49128
23-JUL-2011 05:46:06	34GamEri	165	49128
23-JUL-2011 05:49:50	DSA1064	0	49128
23-JUL-2011 05:55:21	The1Eri	157	49128
23-JUL-2011 06:01:16	AlpEri	9	49129
23-JUL-2011 06:05:11	AlpPhe	84	49129
23-JUL-2011 06:11:38	AlpGru	31	49129
23-JUL-2011 06:14:50	GamGru	172	49129
23-JUL-2011 06:31:52	53AlpAql	11	49129

23-JUL-2011 06:41:28	53EpsCyg	92	49129
23-JUL-2011 06:44:25	50AlpCyg	19	49129
23-JUL-2011 06:49:38	5AlpCep	89	49129
23-JUL-2011 18:13:29	53AlpAql	11	49136
23-JUL-2011 18:23:01	53EpsCyg	92	49136
23-JUL-2011 18:25:58	50AlpCyg	19	49136
23-JUL-2011 18:31:13	5AlpCep	89	49136
23-JUL-2011 18:39:55	27GamCas	76	49136
23-JUL-2011 18:45:41	23GamPer	160	49136
23-JUL-2011 18:47:11	33AlpPer	35	49136
23-JUL-2011 18:48:46	13AlpAur	6	49136
23-JUL-2011 18:50:15	26BetPer	79	49136
23-JUL-2011 18:53:33	44ZetPer	150	49136
23-JUL-2011 18:56:23	25EtaTau	146	49136
23-JUL-2011 18:57:59	87AlpTau	13	49136
23-JUL-2011 19:08:04	34GamEri	165	49136
23-JUL-2011 19:11:52	DSA1064	0	49136
23-JUL-2011 19:17:19	The1Eri	157	49136
23-JUL-2011 19:23:13	AlpEri	9	49137
23-JUL-2011 19:27:12	AlpPhe	84	49137
23-JUL-2011 19:33:35	AlpGru	31	49137
23-JUL-2011 19:36:46	GamGru	172	49137
23-JUL-2011 19:53:43	53AlpAql	11	49137
23-JUL-2011 20:03:14	53EpsCyg	92	49137
23-JUL-2011 20:06:12	50AlpCyg	19	49137
23-JUL-2011 20:11:26	5AlpCep	89	49137
23-JUL-2011 20:20:09	27GamCas	76	49137
23-JUL-2011 20:25:54	23GamPer	160	49137
23-JUL-2011 20:27:24	33AlpPer	35	49137
23-JUL-2011 20:29:00	13AlpAur	6	49137
23-JUL-2011 20:30:29	26BetPer	79	49137
23-JUL-2011 20:33:47	44ZetPer	150	49137
23-JUL-2011 20:36:37	25EtaTau	146	49137
23-JUL-2011 20:38:13	87AlpTau	13	49137
23-JUL-2011 20:48:18	34GamEri	165	49137
23-JUL-2011 20:52:07	DSA1064	0	49137
23-JUL-2011 20:57:34	The1Eri	157	49137
23-JUL-2011 21:03:28	AlpEri	9	49138
23-JUL-2011 21:07:27	AlpPhe	84	49138
23-JUL-2011 21:13:49	AlpGru	31	49138
23-JUL-2011 21:17:01	GamGru	172	49138
23-JUL-2011 21:33:57	53AlpAql	11	49138
23-JUL-2011 21:43:28	53EpsCyg	92	49138
23-JUL-2011 21:46:25	50AlpCyg	19	49138
23-JUL-2011 21:51:40	5AlpCep	89	49138
23-JUL-2011 22:00:22	27GamCas	76	49138
23-JUL-2011 22:06:08	23GamPer	160	49138
23-JUL-2011 22:07:38	33AlpPer	35	49138
23-JUL-2011 22:09:14	13AlpAur	6	49138
23-JUL-2011 22:10:43	26BetPer	79	49138
23-JUL-2011 22:14:01	44ZetPer	150	49138
23-JUL-2011 22:16:51	25EtaTau	146	49138
23-JUL-2011 22:18:28	87AlpTau	13	49138
23-JUL-2011 22:28:33	34GamEri	165	49138
23-JUL-2011 22:32:23	DSA1064	0	49138
23-JUL-2011 22:37:49	The1Eri	157	49138
23-JUL-2011 22:43:42	AlpEri	9	49139
23-JUL-2011 22:47:42	AlpPhe	84	49139
23-JUL-2011 22:54:04	AlpGru	31	49139

23-JUL-2011 22:57:15	GamGru	172	49139
23-JUL-2011 23:14:10	53AlpAql	11	49139
23-JUL-2011 23:23:41	53EpsCyg	92	49139
23-JUL-2011 23:26:38	50AlpCyg	19	49139
23-JUL-2011 23:31:53	5AlpCep	89	49139
23-JUL-2011 23:40:35	27GamCas	76	49139
23-JUL-2011 23:46:22	23GamPer	160	49139
23-JUL-2011 23:47:52	33AlpPer	35	49139
23-JUL-2011 23:49:28	13AlpAur	6	49139
23-JUL-2011 23:50:57	26BetPer	79	49139
23-JUL-2011 23:54:15	44ZetPer	150	49139
23-JUL-2011 23:57:06	25EtaTau	146	49139
23-JUL-2011 23:58:42	87AlpTau	13	49139

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_1PNPDE20110723_000030_000000433104_00404_49125_6501.N1	23-JUL-2011 00:00:30	Bright	43.000	92	53Eps Cyg	2.5000	4500.0	86	49125	No
2	GOM_TRA_1PNPDE20110723_000142_000000403104_00404_49125_6502.N1	23-JUL-2011 00:01:42	Bright	40.000	144	18Del Cyg	2.8600	11000.	80	49125	No
3	GOM_TRA_1PNPDE20110723_000325_000000473104_00404_49125_6503.N1	23-JUL-2011 00:03:25	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	49125	No
4	GOM_TRA_1PNPDE20110723_000839_000000423104_00404_49125_6504.N1	23-JUL-2011 00:08:39	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	49125	No
5	GOM_TRA_1PNPDE20110723_001722_000000713104_00404_49125_6505.N1	23-JUL-2011 00:17:22	Bright	71.000	76	27Gam Cas	2.3000	30000.	142	49125	No
6	GOM_TRA_1PNPDE20110723_002304_000000433104_00404_49125_6506.N1	23-JUL-2011 00:23:04	Bright	42.500	160	23Gam Per	2.9300	4700.0	85	49125	No
7	GOM_TRA_1PNPDE20110723_002433_000000473104_00404_49125_6507.N1	23-JUL-2011 00:24:33	Bright	46.500	35	33Alp Per	1.7950	6250.0	93	49125	No
8	GOM_TRA_1PNPDE20110723_002605_000000383104_00404_49125_6508.N1	23-JUL-2011 00:26:05	Bright	38.000	6	13Alp Aur	0.080000	3400.0	76	49125	No
9	GOM_TRA_1PNPDE20110723_002736_000000543104_00404_49125_6509.N1	23-JUL-2011 00:27:36	Bright	54.000	79	26Bet Per	2.3100	13100.	108	49125	No
10	GOM_TRA_1PNPDE20110723_003052_000000473104_00404_49125_6510.N1	23-JUL-2011 00:30:52	Twilight	47.000	150	44Zet Per	2.8900	28000.	94	49125	No
11	GOM_TRA_1PNPDE20110723_003340_000000503104_00404_49125_6511.N1	23-JUL-2011 00:33:40	Twilight	50.000	146	25Eta Tau	2.8730	15200.	100	49125	No
12	GOM_TRA_1PNPDE20110723_003516_000000473104_00404_49125_6512.N1	23-JUL-2011 00:35:16	Dark	47.000	13	87Alp Tau	0.86700	3800.0	94	49125	No
13	GOM_TRA_1PNPDE20110723_004516_000000503104_00404_49125_6545.N1	23-JUL-2011 00:45:16	Dark	49.500	165	34Gam Eri	2.9500	3200.0	99	49125	No
14	GOM_TRA_1PNPDE20110723_005430_000000423104_00404_49125_6546.N1	23-JUL-2011 00:54:30	Dark	42.000	157	The1Eri	2.9060	9300.0	84	49125	No
15	GOM_TRA_1PNPDE20110723_010026_000000503104_00405_49126_6547.N1	23-JUL-2011 01:00:26	Dark	50.000	9	Alp Eri	0.45300	24000.	100	49126	No
16	GOM_TRA_1PNPDE20110723_010419_000000553104_00405_49126_6548.N1	23-JUL-2011 01:04:19	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49126	No
17	GOM_TRA_1PNPDE20110723_011048_000000473104_00405_49126_6549.N1	23-JUL-2011 01:10:48	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	49126	No
18	GOM_TRA_1PNPDE20110723_011400_000000503104_00405_49126_6550.N1	23-JUL-2011 01:14:00	Straylight	50.000	172	Gam Gru	3.0030	13100.	100	49126	No
19	GOM_TRA_1PNPDE20110723_013105_000000433104_00405_49126_6551.N1	23-JUL-2011 01:31:05	Bright	42.500	11	53Alp Aql	0.76500	8000.0	85	49126	No
20	GOM_TRA_1PNPDE20110723_014043_000000493104_00405_49126_6552.N1	23-JUL-2011 01:40:43	Bright	49.000	92	53Eps Cyg	2.5000	4500.0	98	49126	No
21	GOM_TRA_1PNPDE20110723_014339_000000463104_00405_49126_6553.N1	23-JUL-2011 01:43:39	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	49126	No
22	GOM_TRA_1PNPDE20110723_014852_000000423104_00405_49126_6554.N1	23-JUL-2011 01:48:52	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	49126	No
23	GOM_TRA_1PNPDE20110723_015736_000000483104_00405_49126_6555.N1	23-JUL-2011 01:57:36	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	49126	No
24	GOM_TRA_1PNPDE20110723_020317_000000453104_00405_49126_6556.N1	23-JUL-2011 02:03:17	Bright	44.500	160	23Gam Per	2.9300	4700.0	89	49126	No
25	GOM_TRA_1PNPDE20110723_020447_000000463104_00405_49126_6557.N1	23-JUL-2011 02:04:47	Bright	45.500	35	33Alp Per	1.7950	6250.0	91	49126	No
26	GOM_TRA_1PNPDE20110723_020619_000000393104_00405_49126_6558.N1	23-JUL-2011 02:06:19	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	49126	No
27	GOM_TRA_1PNPDE20110723_020750_000000533104_00405_49126_6559.N1	23-JUL-2011 02:07:50	Bright	53.000	79	26Bet Per	2.3100	13100.	106	49126	No
28	GOM_TRA_1PNPDE20110723_021106_000000513104_00405_49126_6560.N1	23-JUL-2011 02:11:06	Twilight	50.500	150	44Zet Per	2.8900	28000.	101	49126	No
29	GOM_TRA_1PNPDE20110723_021354_000000493104_00405_49126_6561.N1	23-JUL-2011 02:13:54	Twilight	48.500	146	25Eta Tau	2.8730	15200.	97	49126	No
30	GOM_TRA_1PNPDE20110723_021530_000000483104_00405_49126_6562.N1	23-JUL-2011 02:15:30	Dark	48.000	13	87Alp Tau	0.86700	3800.0	96	49126	No
31	GOM_TRA_1PNPDE20110723_022531_000000503104_00405_49126_6570.N1	23-JUL-2011 02:25:31	Dark	50.000	165	34Gam Eri	2.9500	3200.0	100	49126	No
32	GOM_TRA_1PNPDE20110723_023445_000000453104_00405_49126_6571.N1	23-JUL-2011 02:34:45	Dark	44.500	157	The1Eri	2.9060	9300.0	89	49126	No
33	GOM_TRA_1PNPDE20110723_024041_000000463104_00406_49127_6572.N1	23-JUL-2011 02:40:41	Dark	46.000	9	Alp Eri	0.45300	24000.	92	49127	No
34	GOM_TRA_1PNPDE20110723_024434_000000553104_00406_49127_6573.N1	23-JUL-2011 02:44:34	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49127	No
35	GOM_TRA_1PNPDE20110723_025103_000000473104_00406_49127_6574.N1	23-JUL-2011 02:51:03	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	49127	No
36	GOM_TRA_1PNPDE20110723_025414_000000503104_00406_49127_6575.N1	23-JUL-2011 02:54:14	Straylight	49.500	172	Gam Gru	3.0030	13100.	99	49127	No
37	GOM_TRA_1PNPDE20110723_031119_000000413104_00406_49127_6576.N1	23-JUL-2011 03:11:19	Bright	41.000	11	53Alp Aql	0.76500	8000.0	82	49127	No
38	GOM_TRA_1PNPDE20110723_032056_000000493104_00406_49127_6577.N1	23-JUL-2011 03:20:56	Bright	49.000	92	53Eps Cyg	2.5000	4500.0	98	49127	No
39	GOM_TRA_1PNPDE20110723_032352_000000453104_00406_49127_6578.N1	23-JUL-2011 03:23:52	Bright	44.500	19	50Alp Cyg	1.2460	10500.	89	49127	No
40	GOM_TRA_1PNPDE20110723_032905_000000423104_00406_49127_6579.N1	23-JUL-2011 03:29:05	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	49127	No
41	GOM_TRA_1PNPDE20110723_033749_000000483104_00406_49127_6613.N1	23-JUL-2011 03:37:49	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	49127	No

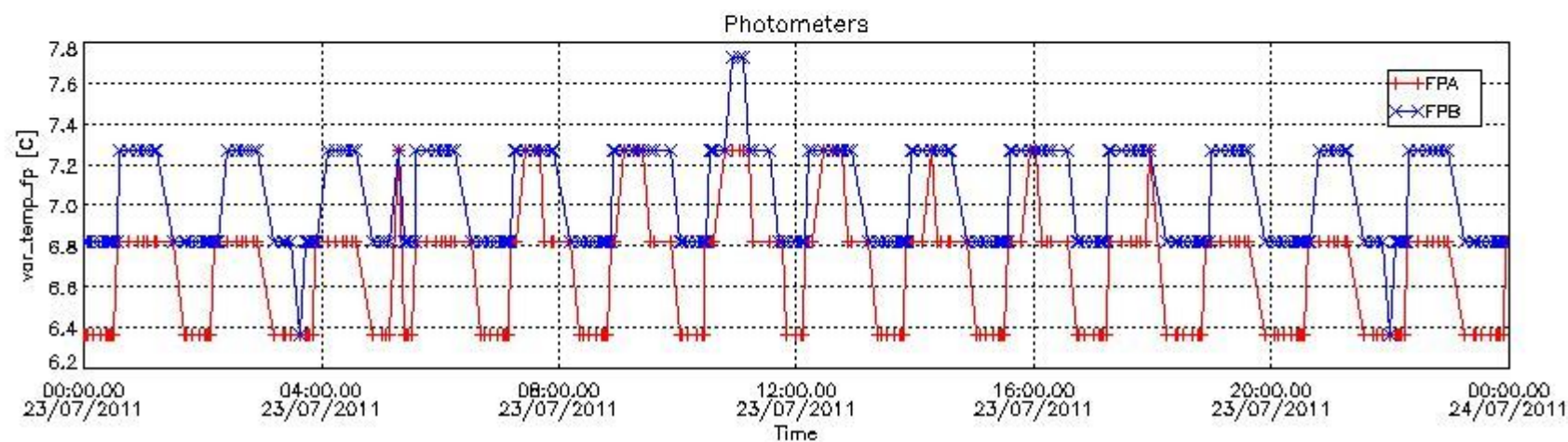
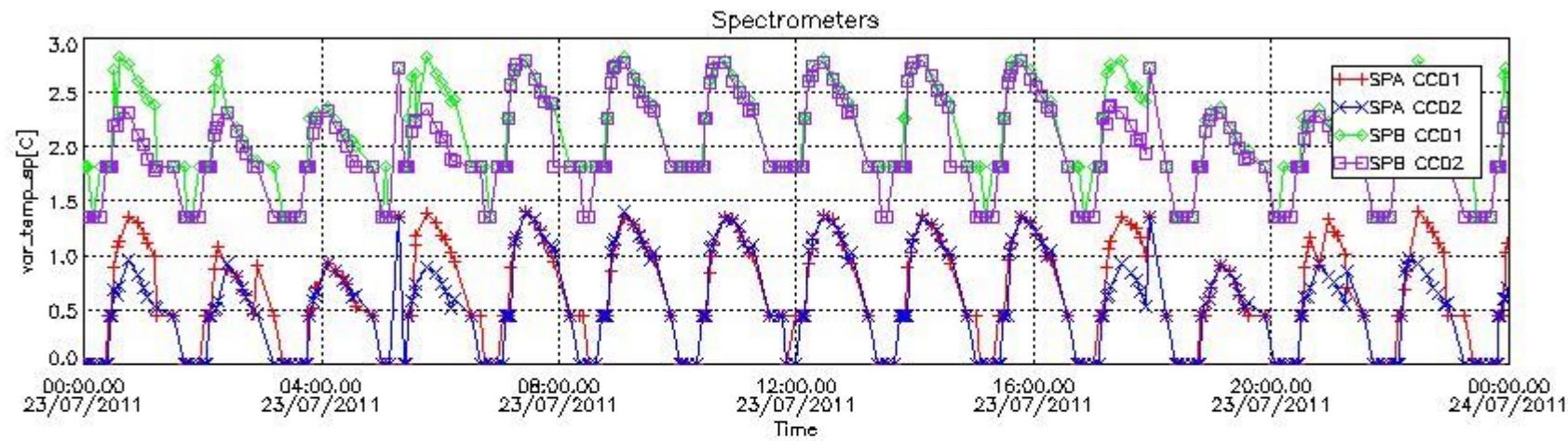
42	GOM_TRA_1PNPDE20110723_034331_000000653104_00406_49127_6614.N1	23-JUL-2011 03:43:31	Bright	65.000	160	23Gam Per	2.9300	4700.0	130	49127	No
43	GOM_TRA_1PNPDE20110723_034500_000000473104_00406_49127_6615.N1	23-JUL-2011 03:45:00	Bright	46.500	35	33Alp Per	1.7950	6250.0	93	49127	No
44	GOM_TRA_1PNPDE20110723_034633_000000413104_00406_49127_6616.N1	23-JUL-2011 03:46:33	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	49127	No
45	GOM_TRA_1PNPDE20110723_034804_000000513104_00406_49127_6617.N1	23-JUL-2011 03:48:04	Bright	51.000	79	26Bet Per	2.3100	13100.	102	49127	No
46	GOM_TRA_1PNPDE20110723_035120_000000503104_00406_49127_6618.N1	23-JUL-2011 03:51:20	Twilight	50.000	150	44Zet Per	2.8900	28000.	100	49127	No
47	GOM_TRA_1PNPDE20110723_035408_000000473104_00406_49127_6619.N1	23-JUL-2011 03:54:08	Twilight	46.500	146	25Eta Tau	2.8730	15200.	93	49127	No
48	GOM_TRA_1PNPDE20110723_035544_000000493104_00406_49127_6620.N1	23-JUL-2011 03:55:44	Dark	49.000	13	87Alp Tau	0.86700	3800.0	98	49127	No
49	GOM_TRA_1PNPDE20110723_040545_000000493104_00406_49127_6621.N1	23-JUL-2011 04:05:45	Dark	49.000	165	34Gam Eri	2.9500	3200.0	98	49127	No
50	GOM_TRA_1PNPDE20110723_041500_000000463104_00406_49127_6622.N1	23-JUL-2011 04:15:00	Dark	45.500	157	The1Eri	2.9060	9300.0	91	49127	No
51	GOM_TRA_1PNPDE20110723_042055_000000553104_00407_49128_6623.N1	23-JUL-2011 04:20:55	Dark	54.500	9	Alp Eri	0.45300	24000.	109	49128	No
52	GOM_TRA_1PNPDE20110723_042450_000000543104_00407_49128_6624.N1	23-JUL-2011 04:24:50	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	49128	No
53	GOM_TRA_1PNPDE20110723_043118_000000443104_00407_49128_6625.N1	23-JUL-2011 04:31:18	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	49128	No
54	GOM_TRA_1PNPDE20110723_043429_000000473104_00407_49128_6626.N1	23-JUL-2011 04:34:29	Straylight	47.000	172	Gam Gru	3.0030	13100.	94	49128	No
55	GOM_TRA_1PNPDE20110723_045133_000000413104_00407_49128_6627.N1	23-JUL-2011 04:51:33	Bright	40.500	11	53Alp Aql	0.76500	8000.0	81	49128	No
56	GOM_TRA_1PNPDE20110723_050109_000000503104_00407_49128_6628.N1	23-JUL-2011 05:01:09	Bright	50.000	92	53Eps Cyg	2.5000	4500.0	100	49128	No
57	GOM_TRA_1PNPDE20110723_050405_000000463104_00407_49128_6629.N1	23-JUL-2011 05:04:05	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	49128	No
58	GOM_TRA_1PNPDE20110723_050919_000000423104_00407_49128_6630.N1	23-JUL-2011 05:09:19	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	49128	No
59	GOM_TRA_1PNPDE20110723_051802_000000493104_00407_49128_6669.N1	23-JUL-2011 05:18:02	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	49128	Yes
60	GOM_TRA_1PNPDE20110723_052345_000000443104_00407_49128_6670.N1	23-JUL-2011 05:23:45	Bright	44.000	160	23Gam Per	2.9300	4700.0	88	49128	No
61	GOM_TRA_1PNPDE20110723_052514_000000463104_00407_49128_6671.N1	23-JUL-2011 05:25:14	Bright	46.000	35	33Alp Per	1.7950	6250.0	92	49128	No
62	GOM_TRA_1PNPDE20110723_052648_000000403104_00407_49128_6672.N1	23-JUL-2011 05:26:48	Bright	39.500	6	13Alp Aur	0.080000	3400.0	79	49128	No
63	GOM_TRA_1PNPDE20110723_052818_000000513104_00407_49128_6673.N1	23-JUL-2011 05:28:18	Bright	51.000	79	26Bet Per	2.3100	13100.	102	49128	No
64	GOM_TRA_1PNPDE20110723_053134_000000493104_00407_49128_6674.N1	23-JUL-2011 05:31:34	Twilight	48.500	150	44Zet Per	2.8900	28000.	97	49128	No
65	GOM_TRA_1PNPDE20110723_053423_000000503104_00407_49128_6675.N1	23-JUL-2011 05:34:23	Twilight	49.500	146	25Eta Tau	2.8730	15200.	99	49128	No
66	GOM_TRA_1PNPDE20110723_053559_000000473104_00407_49128_6676.N1	23-JUL-2011 05:35:59	Dark	46.500	13	87Alp Tau	0.86700	3800.0	93	49128	No
67	GOM_TRA_1PNPDE20110723_054600_000000513104_00407_49128_6677.N1	23-JUL-2011 05:46:00	Dark	51.000	165	34Gam Eri	2.9500	3200.0	102	49128	No
68	GOM_TRA_1PNPDE20110723_055515_000000443104_00407_49128_6678.N1	23-JUL-2011 05:55:15	Dark	44.000	157	The1Eri	2.9060	9300.0	88	49128	No
69	GOM_TRA_1PNPDE20110723_060110_000000543104_00408_49129_6679.N1	23-JUL-2011 06:01:10	Dark	53.500	9	Alp Eri	0.45300	24000.	107	49129	No
70	GOM_TRA_1PNPDE20110723_060505_000000593104_00408_49129_6680.N1	23-JUL-2011 06:05:05	Straylight	58.500	84	Alp Phe	2.3970	4500.0	117	49129	No
71	GOM_TRA_1PNPDE20110723_061132_000000483104_00408_49129_6681.N1	23-JUL-2011 06:11:32	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	49129	No
72	GOM_TRA_1PNPDE20110723_061443_000000473104_00408_49129_6682.N1	23-JUL-2011 06:14:43	Straylight	47.000	172	Gam Gru	3.0030	13100.	94	49129	No
73	GOM_TRA_1PNPDE20110723_063146_000000423104_00408_49129_6683.N1	23-JUL-2011 06:31:46	Bright	42.000	11	53Alp Aql	0.76500	8000.0	84	49129	No
74	GOM_TRA_1PNPDE20110723_064122_000000503104_00408_49129_6684.N1	23-JUL-2011 06:41:22	Bright	50.000	92	53Eps Cyg	2.5000	4500.0	100	49129	No
75	GOM_TRA_1PNPDE20110723_064419_000000473104_00408_49129_6685.N1	23-JUL-2011 06:44:19	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	49129	No
76	GOM_TRA_1PNPDE20110723_064933_000000403104_00408_49129_6686.N1	23-JUL-2011 06:49:33	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	49129	No
77	GOM_TRA_1PNPDK20110723_065816_000000493104_00408_49129_9301.N1	23-JUL-2011 06:58:16	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	49129	No
78	GOM_TRA_1PNPDK20110723_070358_000000483104_00408_49129_9302.N1	23-JUL-2011 07:03:58	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	49129	No
79	GOM_TRA_1PNPDK20110723_070528_000000463104_00408_49129_9303.N1	23-JUL-2011 07:05:28	Bright	46.000	35	33Alp Per	1.7950	6250.0	92	49129	No
80	GOM_TRA_1PNPDK20110723_070702_000000393104_00408_49129_9304.N1	23-JUL-2011 07:07:02	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	49129	No
81	GOM_TRA_1PNPDK20110723_070832_000000543104_00408_49129_9305.N1	23-JUL-2011 07:08:32	Bright	54.000	79	26Bet Per	2.3100	13100.	108	49129	No
82	GOM_TRA_1PNPDK20110723_071148_000000493104_00408_49129_9306.N1	23-JUL-2011 07:11:48	Twilight	48.500	150	44Zet Per	2.8900	28000.	97	49129	No
83	GOM_TRA_1PNPDK20110723_071437_000000503104_00408_49129_9307.N1	23-JUL-2011 07:14:37	Twilight	50.000	146	25Eta Tau	2.8730	15200.	100	49129	No
84	GOM_TRA_1PNPDK20110723_071613_000000463104_00408_49129_9308.N1	23-JUL-2011 07:16:13	Dark	46.000	13	87Alp Tau	0.86700	3800.0	92	49129	No
85	GOM_TRA_1PNPDK20110723_072615_000000483104_00408_49129_9309.N1	23-JUL-2011 07:26:15	Dark	48.000	165	34Gam Eri	2.9500	3200.0	96	49129	No
86	GOM_TRA_1PNPDK20110723_073530_000000443104_00408_49129_9310.N1	23-JUL-2011 07:35:30	Dark	44.000	157	The1Eri	2.9060	9300.0	88	49129	No
87	GOM_TRA_1PNPDK20110723_074125_000000553104_00409_49130_9311.N1	23-JUL-2011 07:41:25	Dark	55.000	9	Alp Eri	0.45300	24000.	110	49130	No
88	GOM_TRA_1PNPDK20110723_074520_000000553104_00409_49130_9312.N1	23-JUL-2011 07:45:20	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	49130	No
89	GOM_TRA_1PNPDK20110723_075147_000000463104_00409_49130_9313.N1	23-JUL-2011 07:51:47	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	49130	No
90	GOM_TRA_1PNPDK20110723_075458_000000483104_00409_49130_9314.N1	23-JUL-2011 07:54:58	Straylight	48.000	172	Gam Gru	3.0030	13100.	96	49130	No
91	GOM_TRA_1PNPDK20110723_081200_000000413104_00409_49130_9301.N1	23-JUL-2011 08:12:00	Bright	41.000	11	53Alp Aql	0.76500	8000.0	82	49130	No
92	GOM_TRA_1PNPDK20110723_082136_000000513104_00409_49130_9302.N1	23-JUL-2011 08:21:36	Bright	50.500	92	53Eps Cyg	2.5000	4500.0	101	49130	No
93	GOM_TRA_1PNPDK20110723_082432_000000463104_00409_49130_9303.N1	23-JUL-2011 08:24:32	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	49130	No
94	GOM_TRA_1PNPDK20110723_082946_000000403104_00409_49130_9304.N1	23-JUL-2011 08:29:46	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	49130	No
95	GOM_TRA_1PNPDK20110723_083829_000000493104_00409_49130_9305.N1	23-JUL-2011 08:38:29	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	49130	No
96	GOM_TRA_1PNPDK20110723_084412_000000453104_00409_49130_9306.N1	23-JUL-2011 08:44:12	Bright	45.000	160	23Gam Per	2.9300	4700.0	90	49130	No
97	GOM_TRA_1PNPDK20110723_084542_000000463104_00409_49130_9307.N1	23-JUL-2011 08:45:42	Bright	45.500	35	33Alp Per	1.7950	6250.0	91	49130	No
98	GOM_TRA_1PNPDK20110723_084716_000000383104_00409_49130_9308.N1	23-JUL-2011 08:47:16	Bright	38.000	6	13Alp Aur	0.080000	3400.0	76	49130	No
99	GOM_TRA_1PNPDK20110723_084846_000000513104_00409_49130_9309.N1	23-JUL-2011 08:48:46	Bright	51.000	79	26Bet Per	2.3100	13100.	102	49130	No
100	GOM_TRA_1PNPDK20110723_085202_000000503104_00409_49130_9310.N1	23-JUL-2011 08:52:02	Twilight	50.000	150	44Zet Per	2.8900	28000.	100	49130	No

101	GOM_TRA_1PNPDK20110723_085451_000000523104_00409_49130_9311.N1	23-JUL-2011 08:54:51	Twilight	51.500	146	25Eta Tau	2.8730	15200.	103	49130	No
102	GOM_TRA_1PNPDK20110723_085627_000000503104_00409_49130_9312.N1	23-JUL-2011 08:56:27	Dark	50.000	13	87Alp Tau	0.86700	3800.0	100	49130	No
103	GOM_TRA_1PNPDK20110723_090630_000000513104_00409_49130_9313.N1	23-JUL-2011 09:06:30	Dark	50.500	165	34Gam Eri	2.9500	3200.0	101	49130	No
104	GOM_TRA_1PNPDK20110723_091545_000000433104_00409_49130_9314.N1	23-JUL-2011 09:15:45	Dark	43.000	157	The1Eri	2.9060	9300.0	86	49130	No
105	GOM_TRA_1PNPDK20110723_092139_000000433104_00410_49131_9315.N1	23-JUL-2011 09:21:39	Dark	42.500	9	Alp Eri	0.45300	24000.	85	49131	No
106	GOM_TRA_1PNPDK20110723_092535_000000623104_00410_49131_9316.N1	23-JUL-2011 09:25:35	Straylight	62.000	84	Alp Phe	2.3970	4500.0	124	49131	No
107	GOM_TRA_1PNPDK20110723_093201_000000463104_00410_49131_9317.N1	23-JUL-2011 09:32:01	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	49131	No
108	GOM_TRA_1PNPDK20110723_093513_000000493104_00410_49131_9318.N1	23-JUL-2011 09:35:13	Straylight	48.500	172	Gam Gru	3.0030	13100.	97	49131	No
109	GOM_TRA_1PNPDK20110723_095214_000000423104_00410_49131_9294.N1	23-JUL-2011 09:52:14	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	49131	No
110	GOM_TRA_1PNPDK20110723_100149_000000523104_00410_49131_9295.N1	23-JUL-2011 10:01:49	Bright	52.000	92	53Eps Cyg	2.5000	4500.0	104	49131	No
111	GOM_TRA_1PNPDK20110723_100445_000000463104_00410_49131_9296.N1	23-JUL-2011 10:04:45	Bright	45.500	19	50Alp Cyg	1.2460	10500.	91	49131	No
112	GOM_TRA_1PNPDK20110723_100959_000000423104_00410_49131_9297.N1	23-JUL-2011 10:09:59	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	49131	No
113	GOM_TRA_1PNPDK20110723_101843_000000613104_00410_49131_9298.N1	23-JUL-2011 10:18:43	Bright	61.000	76	27Gam Cas	2.3000	30000.	122	49131	No
114	GOM_TRA_1PNPDK20110723_102426_000000653104_00410_49131_9299.N1	23-JUL-2011 10:24:26	Bright	65.000	160	23Gam Per	2.9300	4700.0	130	49131	No
115	GOM_TRA_1PNPDK20110723_102556_000000453104_00410_49131_9300.N1	23-JUL-2011 10:25:56	Bright	45.000	35	33Alp Per	1.7950	6250.0	90	49131	No
116	GOM_TRA_1PNPDK20110723_102730_000000393104_00410_49131_9301.N1	23-JUL-2011 10:27:30	Bright	38.500	6	13Alp Aur	0.080000	3400.0	77	49131	No
117	GOM_TRA_1PNPDK20110723_102900_000000523104_00410_49131_9302.N1	23-JUL-2011 10:29:00	Bright	52.000	79	26Bet Per	2.3100	13100.	104	49131	No
118	GOM_TRA_1PNPDK20110723_103216_000000503104_00410_49131_9303.N1	23-JUL-2011 10:32:16	Twilight	50.000	150	44Zet Per	2.8900	28000.	100	49131	No
119	GOM_TRA_1PNPDK20110723_103506_000000513104_00410_49131_9304.N1	23-JUL-2011 10:35:06	Twilight	50.500	146	25Eta Tau	2.8730	15200.	101	49131	No
120	GOM_TRA_1PNPDK20110723_103642_000000573104_00410_49131_9305.N1	23-JUL-2011 10:36:42	Dark	56.500	13	87Alp Tau	0.86700	3800.0	113	49131	No
121	GOM_TRA_1PNPDK20110723_104644_000000523104_00410_49131_9306.N1	23-JUL-2011 10:46:44	Dark	52.000	165	34Gam Eri	2.9500	3200.0	104	49131	No
122	GOM_TRA_1PNPDK20110723_105559_000000453104_00410_49131_9307.N1	23-JUL-2011 10:55:59	Dark	44.500	157	The1Eri	2.9060	9300.0	89	49131	No
123	GOM_TRA_1PNPDK20110723_110154_000000433104_00411_49132_9308.N1	23-JUL-2011 11:01:54	Dark	42.500	9	Alp Eri	0.45300	24000.	85	49132	No
124	GOM_TRA_1PNPDK20110723_110550_000000563104_00411_49132_9309.N1	23-JUL-2011 11:05:50	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	49132	No
125	GOM_TRA_1PNPDK20110723_111216_000000483104_00411_49132_9310.N1	23-JUL-2011 11:12:16	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	49132	No
126	GOM_TRA_1PNPDK20110723_111527_000000493104_00411_49132_9311.N1	23-JUL-2011 11:15:27	Straylight	48.500	172	Gam Gru	3.0030	13100.	97	49132	No
127	GOM_TRA_1PNPDK20110723_113228_000000403104_00411_49132_9289.N1	23-JUL-2011 11:32:28	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	49132	No
128	GOM_TRA_1PNPDK20110723_114202_000000523104_00411_49132_9290.N1	23-JUL-2011 11:42:02	Bright	51.500	92	53Eps Cyg	2.5000	4500.0	103	49132	No
129	GOM_TRA_1PNPDK20110723_114459_000000483104_00411_49132_9291.N1	23-JUL-2011 11:44:59	Bright	47.500	19	50Alp Cyg	1.2460	10500.	95	49132	No
130	GOM_TRA_1PNPDK20110723_115013_000000423104_00411_49132_9292.N1	23-JUL-2011 11:50:13	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	49132	No
131	GOM_TRA_1PNPDK20110723_115856_000000493104_00411_49132_9293.N1	23-JUL-2011 11:58:56	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	49132	No
132	GOM_TRA_1PNPDK20110723_120439_000000463104_00411_49132_9294.N1	23-JUL-2011 12:04:39	Bright	45.500	160	23Gam Per	2.9300	4700.0	91	49132	No
133	GOM_TRA_1PNPDK20110723_120609_000000473104_00411_49132_9295.N1	23-JUL-2011 12:06:09	Bright	46.500	35	33Alp Per	1.7950	6250.0	93	49132	No
134	GOM_TRA_1PNPDK20110723_120744_000000383104_00411_49132_9296.N1	23-JUL-2011 12:07:44	Bright	38.000	6	13Alp Aur	0.080000	3400.0	76	49132	No
135	GOM_TRA_1PNPDK20110723_120914_000000523104_00411_49132_9297.N1	23-JUL-2011 12:09:14	Bright	51.500	79	26Bet Per	2.3100	13100.	103	49132	No
136	GOM_TRA_1PNPDK20110723_121230_000000503104_00411_49132_9298.N1	23-JUL-2011 12:12:30	Twilight	50.000	150	44Zet Per	2.8900	28000.	100	49132	No
137	GOM_TRA_1PNPDK20110723_121520_000000513104_00411_49132_9299.N1	23-JUL-2011 12:15:20	Twilight	51.000	146	25Eta Tau	2.8730	15200.	102	49132	No
138	GOM_TRA_1PNPDK20110723_121656_000000463104_00411_49132_9300.N1	23-JUL-2011 12:16:56	Dark	45.500	13	87Alp Tau	0.86700	3800.0	91	49132	No
139	GOM_TRA_1PNPDK20110723_122659_000000503104_00411_49132_9301.N1	23-JUL-2011 12:26:59	Dark	50.000	165	34Gam Eri	2.9500	3200.0	100	49132	No
140	GOM_TRA_1PNPDK20110723_123614_000000463104_00411_49132_9302.N1	23-JUL-2011 12:36:14	Dark	45.500	157	The1Eri	2.9060	9300.0	91	49132	No
141	GOM_TRA_1PNPDK20110723_124208_000000453104_00412_49133_9303.N1	23-JUL-2011 12:42:08	Dark	45.000	9	Alp Eri	0.45300	24000.	90	49133	No
142	GOM_TRA_1PNPDK20110723_124605_000000543104_00412_49133_9304.N1	23-JUL-2011 12:46:05	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	49133	No
143	GOM_TRA_1PNPDK20110723_125230_000000463104_00412_49133_9305.N1	23-JUL-2011 12:52:30	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	49133	No
144	GOM_TRA_1PNPDK20110723_125542_000000483104_00412_49133_9306.N1	23-JUL-2011 12:55:42	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	49133	No
145	GOM_TRA_1PNPDK20110723_131241_000000443104_00412_49133_9347.N1	23-JUL-2011 13:12:41	Bright	43.500	11	53Alp Aql	0.76500	8000.0	87	49133	No
146	GOM_TRA_1PNPDK20110723_132215_000000513104_00412_49133_9348.N1	23-JUL-2011 13:22:15	Bright	50.500	92	53Eps Cyg	2.5000	4500.0	101	49133	No
147	GOM_TRA_1PNPDK20110723_132512_000000473104_00412_49133_9349.N1	23-JUL-2011 13:25:12	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	49133	No
148	GOM_TRA_1PNPDK20110723_133026_000000423104_00412_49133_9350.N1	23-JUL-2011 13:30:26	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	49133	No
149	GOM_TRA_1PNPDK20110723_133909_000000493104_00412_49133_9351.N1	23-JUL-2011 13:39:09	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	49133	No
150	GOM_TRA_1PNPDK20110723_134453_000000453104_00412_49133_9352.N1	23-JUL-2011 13:44:53	Bright	45.000	160	23Gam Per	2.9300	4700.0	90	49133	No
151	GOM_TRA_1PNPDK20110723_134623_000000643104_00412_49133_9353.N1	23-JUL-2011 13:46:23	Bright	64.000	35	33Alp Per	1.7950	6250.0	128	49133	No
152	GOM_TRA_1PNPDK20110723_134758_000000383104_00412_49133_9354.N1	23-JUL-2011 13:47:58	Bright	38.000	6	13Alp Aur	0.080000	3400.0	76	49133	No
153	GOM_TRA_1PNPDK20110723_134927_000000533104_00412_49133_9355.N1	23-JUL-2011 13:49:27	Bright	52.500	79	26Bet Per	2.3100	13100.	105	49133	No
154	GOM_TRA_1PNPDK20110723_135244_000000503104_00412_49133_9356.N1	23-JUL-2011 13:52:44	Twilight	50.000	150	44Zet Per	2.8900	28000.	100	49133	No
155	GOM_TRA_1PNPDK20110723_135534_000000493104_00412_49133_9357.N1	23-JUL-2011 13:55:34	Twilight	49.000	146	25Eta Tau	2.8730	15200.	98	49133	No
156	GOM_TRA_1PNPDK20110723_135710_000000483104_00412_49133_9358.N1	23-JUL-2011 13:57:10	Dark	48.000	13	87Alp Tau	0.86700	3800.0	96	49133	No
157	GOM_TRA_1PNPDK20110723_140714_000000513104_00412_49133_9359.N1	23-JUL-2011 14:07:14	Dark	51.000	165	34Gam Eri	2.9500	3200.0	102	49133	No
158	GOM_TRA_1PNPDK20110723_141629_000000443104_00412_49133_9360.N1	23-JUL-2011 14:16:29	Dark	44.000	157	The1Eri	2.9060	9300.0	88	49133	No
159	GOM_TRA_1PNPDK20110723_142223_000000433104_00413_49134_9361.N1	23-JUL-2011 14:22:23	Dark	42.500	9	Alp Eri	0.45300	24000.	85	49134	No

160	GOM_TRA_1PNPDK20110723_142620_000000553104_00413_49134_9362.N1	23-JUL-2011 14:26:20	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	49134	No
161	GOM_TRA_1PNPDK20110723_143245_000000463104_00413_49134_9363.N1	23-JUL-2011 14:32:45	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	49134	No
162	GOM_TRA_1PNPDK20110723_143556_000000483104_00413_49134_9364.N1	23-JUL-2011 14:35:56	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	49134	No
163	GOM_TRA_1PNPDK20110723_145255_000000423104_00413_49134_9403.N1	23-JUL-2011 14:52:55	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	49134	No
164	GOM_TRA_1PNPDK20110723_150228_000000513104_00413_49134_9404.N1	23-JUL-2011 15:02:28	Bright	50.500	92	53Eps Cyg	2.5000	4500.0	101	49134	No
165	GOM_TRA_1PNPDK20110723_150526_000000443104_00413_49134_9405.N1	23-JUL-2011 15:05:26	Bright	44.000	19	50Alp Cyg	1.2460	10500.	88	49134	No
166	GOM_TRA_1PNPDK20110723_151040_000000433104_00413_49134_9406.N1	23-JUL-2011 15:10:40	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	49134	No
167	GOM_TRA_1PNPDK20110723_151923_000000503104_00413_49134_9407.N1	23-JUL-2011 15:19:23	Bright	50.000	76	27Gam Cas	2.3000	30000.	100	49134	No
168	GOM_TRA_1PNPDK20110723_152507_000000443104_00413_49134_9408.N1	23-JUL-2011 15:25:07	Bright	44.000	160	23Gam Per	2.9300	4700.0	88	49134	No
169	GOM_TRA_1PNPDK20110723_152637_000000583104_00413_49134_9409.N1	23-JUL-2011 15:26:37	Bright	58.000	35	33Alp Per	1.7950	6250.0	116	49134	No
170	GOM_TRA_1PNPDK20110723_152812_000000393104_00413_49134_9410.N1	23-JUL-2011 15:28:12	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	49134	No
171	GOM_TRA_1PNPDK20110723_152942_000000513104_00413_49134_9411.N1	23-JUL-2011 15:29:42	Bright	51.000	79	26Bet Per	2.3100	13100.	102	49134	No
172	GOM_TRA_1PNPDK20110723_153259_000000483104_00413_49134_9412.N1	23-JUL-2011 15:32:59	Twilight	48.000	150	44Zet Per	2.8900	28000.	96	49134	No
173	GOM_TRA_1PNPDK20110723_153548_000000503104_00413_49134_9413.N1	23-JUL-2011 15:35:48	Twilight	50.000	146	25Eta Tau	2.8730	15200.	100	49134	No
174	GOM_TRA_1PNPDK20110723_153724_000000513104_00413_49134_9414.N1	23-JUL-2011 15:37:24	Dark	50.500	13	87Alp Tau	0.86700	3800.0	101	49134	No
175	GOM_TRA_1PNPDK20110723_154728_000000483104_00413_49134_9415.N1	23-JUL-2011 15:47:28	Dark	48.000	165	34Gam Eri	2.9500	3200.0	96	49134	No
176	GOM_TRA_1PNPDK20110723_155644_000000453104_00413_49134_9416.N1	23-JUL-2011 15:56:44	Dark	44.500	157	The1Eri	2.9060	9300.0	89	49134	No
177	GOM_TRA_1PNPDK20110723_160238_000000513104_00414_49135_9417.N1	23-JUL-2011 16:02:38	Dark	50.500	9	Alp Eri	0.45300	24000.	101	49135	No
178	GOM_TRA_1PNPDK20110723_160635_000000553104_00414_49135_9418.N1	23-JUL-2011 16:06:35	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	49135	No
179	GOM_TRA_1PNPDK20110723_161300_000000463104_00414_49135_9419.N1	23-JUL-2011 16:13:00	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	49135	No
180	GOM_TRA_1PNPDK20110723_161611_000000483104_00414_49135_9420.N1	23-JUL-2011 16:16:11	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	49135	No
181	GOM_TRA_1PNPDK20110723_163309_000000453104_00414_49135_9440.N1	23-JUL-2011 16:33:09	Bright	44.500	11	53Alp Aql	0.76500	8000.0	89	49135	No
182	GOM_TRA_1PNPDK20110723_164242_000000503104_00414_49135_9441.N1	23-JUL-2011 16:42:42	Bright	50.000	92	53Eps Cyg	2.5000	4500.0	100	49135	No
183	GOM_TRA_1PNPDK20110723_164539_000000473104_00414_49135_9442.N1	23-JUL-2011 16:45:39	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	49135	No
184	GOM_TRA_1PNPDK20110723_165053_000000433104_00414_49135_9443.N1	23-JUL-2011 16:50:53	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	49135	No
185	GOM_TRA_1PNPDK20110723_165936_000000463104_00414_49135_9444.N1	23-JUL-2011 16:59:36	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	49135	No
186	GOM_TRA_1PNPDK20110723_170521_000000643104_00414_49135_9445.N1	23-JUL-2011 17:05:21	Bright	64.000	160	23Gam Per	2.9300	4700.0	128	49135	No
187	GOM_TRA_1PNPDK20110723_170651_000000643104_00414_49135_9446.N1	23-JUL-2011 17:06:51	Bright	64.000	35	33Alp Per	1.7950	6250.0	128	49135	No
188	GOM_TRA_1PNPDK20110723_170826_000000383104_00414_49135_9447.N1	23-JUL-2011 17:08:26	Bright	37.500	6	13Alp Aur	0.080000	3400.0	75	49135	No
189	GOM_TRA_1PNPDK20110723_170955_000000523104_00414_49135_9448.N1	23-JUL-2011 17:09:55	Bright	51.500	79	26Bet Per	2.3100	13100.	103	49135	No
190	GOM_TRA_1PNPDK20110723_171313_000000513104_00414_49135_9449.N1	23-JUL-2011 17:13:13	Twilight	50.500	150	44Zet Per	2.8900	28000.	101	49135	No
191	GOM_TRA_1PNPDK20110723_171603_000000513104_00414_49135_9450.N1	23-JUL-2011 17:16:03	Twilight	51.000	146	25Eta Tau	2.8730	15200.	102	49135	No
192	GOM_TRA_1PNPDK20110723_171739_000000513104_00414_49135_9451.N1	23-JUL-2011 17:17:39	Dark	51.000	13	87Alp Tau	0.86700	3800.0	102	49135	No
193	GOM_TRA_1PNPDK20110723_172743_000000513104_00414_49135_9452.N1	23-JUL-2011 17:27:43	Dark	51.000	165	34Gam Eri	2.9500	3200.0	102	49135	No
194	GOM_TRA_1PNPDK20110723_173659_000000443104_00414_49135_9453.N1	23-JUL-2011 17:36:59	Dark	43.500	157	The1Eri	2.9060	9300.0	87	49135	No
195	GOM_TRA_1PNPDK20110723_174252_000000473104_00415_49136_9454.N1	23-JUL-2011 17:42:52	Dark	47.000	9	Alp Eri	0.45300	24000.	94	49136	No
196	GOM_TRA_1PNPDK20110723_174651_000000573104_00415_49136_9455.N1	23-JUL-2011 17:46:51	Straylight	57.000	84	Alp Phe	2.3970	4500.0	114	49136	No
197	GOM_TRA_1PNPDK20110723_175314_000000453104_00415_49136_9456.N1	23-JUL-2011 17:53:14	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	49136	No
198	GOM_TRA_1PNPDK20110723_175626_000000483104_00415_49136_9472.N1	23-JUL-2011 17:56:26	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	49136	Yes
199	GOM_TRA_1PNPDK20110723_181323_000000413104_00415_49136_9473.N1	23-JUL-2011 18:13:23	Bright	41.000	11	53Alp Aql	0.76500	8000.0	82	49136	No
200	GOM_TRA_1PNPDK20110723_182255_000000483104_00415_49136_9474.N1	23-JUL-2011 18:22:55	Bright	48.000	92	53Eps Cyg	2.5000	4500.0	96	49136	No
201	GOM_TRA_1PNPDK20110723_182552_000000663104_00415_49136_9475.N1	23-JUL-2011 18:25:52	Bright	66.000	19	50Alp Cyg	1.2460	10500.	132	49136	No
202	GOM_TRA_1PNPDK20110723_183107_000000433104_00415_49136_9476.N1	23-JUL-2011 18:31:07	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	49136	No
203	GOM_TRA_1PNPDK20110723_183949_000000513104_00415_49136_9477.N1	23-JUL-2011 18:39:49	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	49136	No
204	GOM_TRA_1PNPDK20110723_184534_000000463104_00415_49136_9478.N1	23-JUL-2011 18:45:34	Bright	45.500	160	23Gam Per	2.9300	4700.0	91	49136	No
205	GOM_TRA_1PNPDK20110723_184704_000000653104_00415_49136_9479.N1	23-JUL-2011 18:47:04	Bright	65.000	35	33Alp Per	1.7950	6250.0	130	49136	No
206	GOM_TRA_1PNPDK20110723_184840_000000393104_00415_49136_9480.N1	23-JUL-2011 18:48:40	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	49136	No
207	GOM_TRA_1PNPDK20110723_185009_000000533104_00415_49136_9481.N1	23-JUL-2011 18:50:09	Bright	53.000	79	26Bet Per	2.3100	13100.	106	49136	No
208	GOM_TRA_1PNPDK20110723_185327_000000503104_00415_49136_9482.N1	23-JUL-2011 18:53:27	Twilight	49.500	150	44Zet Per	2.8900	28000.	99	49136	No
209	GOM_TRA_1PNPDK20110723_185617_000000503104_00415_49136_9483.N1	23-JUL-2011 18:56:17	Twilight	50.000	146	25Eta Tau	2.8730	15200.	100	49136	No
210	GOM_TRA_1PNPDK20110723_185753_000000513104_00415_49136_9484.N1	23-JUL-2011 18:57:53	Dark	50.500	13	87Alp Tau	0.86700	3800.0	101	49136	No
211	GOM_TRA_1PNPDK20110723_190758_000000503104_00415_49136_9485.N1	23-JUL-2011 19:07:58	Dark	50.000	165	34Gam Eri	2.9500	3200.0	100	49136	No
212	GOM_TRA_1PNPDK20110723_191713_000000443104_00415_49136_9486.N1	23-JUL-2011 19:17:13	Dark	43.500	157	The1Eri	2.9060	9300.0	87	49136	No
213	GOM_TRA_1PNPDK20110723_192307_000000463104_00416_49137_9487.N1	23-JUL-2011 19:23:07	Dark	46.000	9	Alp Eri	0.45300	24000.	92	49137	No
214	GOM_TRA_1PNPDK20110723_192706_000000583104_00416_49137_9488.N1	23-JUL-2011 19:27:06	Straylight	58.000	84	Alp Phe	2.3970	4500.0	116	49137	No
215	GOM_TRA_1PNPDK20110723_193329_000000463104_00416_49137_9489.N1	23-JUL-2011 19:33:29	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	49137	No
216	GOM_TRA_1PNPDK20110723_193640_000000473104_00416_49137_9507.N1	23-JUL-2011 19:36:40	Straylight	47.000	172	Gam Gru	3.0030	13100.	94	49137	No
217	GOM_TRA_1PNPDK20110723_195337_000000413104_00416_49137_9508.N1	23-JUL-2011 19:53:37	Bright	41.000	11	53Alp Aql	0.76500	8000.0	82	49137	No
218	GOM_TRA_1PNPDK20110723_200308_000000513104_00416_49137_9509.N1	23-JUL-2011 20:03:08	Bright	51.000	92	53Eps Cyg	2.5000	4500.0	102	49137	No

219	GOM_TRA_1PNPDK20110723_200606_000000473104_00416_49137_9510.N1	23-JUL-2011 20:06:06	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	49137	No
220	GOM_TRA_1PNPDK20110723_201120_000000433104_00416_49137_9511.N1	23-JUL-2011 20:11:20	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	49137	No
221	GOM_TRA_1PNPDK20110723_202003_000000493104_00416_49137_9512.N1	23-JUL-2011 20:20:03	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	49137	No
222	GOM_TRA_1PNPDK20110723_202548_000000653104_00416_49137_9513.N1	23-JUL-2011 20:25:48	Bright	65.000	160	23Gam Per	2.9300	4700.0	130	49137	No
223	GOM_TRA_1PNPDK20110723_202718_000000543104_00416_49137_9514.N1	23-JUL-2011 20:27:18	Bright	53.500	35	33Alp Per	1.7950	6250.0	107	49137	No
224	GOM_TRA_1PNPDK20110723_202854_000000383104_00416_49137_9515.N1	23-JUL-2011 20:28:54	Bright	38.000	6	13Alp Aur	0.080000	3400.0	76	49137	No
225	GOM_TRA_1PNPDK20110723_203023_000000563104_00416_49137_9516.N1	23-JUL-2011 20:30:23	Bright	55.500	79	26Bet Per	2.3100	13100.	111	49137	No
226	GOM_TRA_1PNPDK20110723_203341_000000483104_00416_49137_9517.N1	23-JUL-2011 20:33:41	Twilight	47.500	150	44Zet Per	2.8900	28000.	95	49137	No
227	GOM_TRA_1PNPDK20110723_203631_000000513104_00416_49137_9518.N1	23-JUL-2011 20:36:31	Dark	50.500	146	25Eta Tau	2.8730	15200.	101	49137	No
228	GOM_TRA_1PNPDK20110723_203807_000000493104_00416_49137_9519.N1	23-JUL-2011 20:38:07	Dark	48.500	13	87Alp Tau	0.86700	3800.0	97	49137	No
229	GOM_TRA_1PNPDK20110723_204812_000000503104_00416_49137_9520.N1	23-JUL-2011 20:48:12	Dark	50.000	165	34Gam Eri	2.9500	3200.0	100	49137	No
230	GOM_TRA_1PNPDK20110723_205728_000000453104_00416_49137_9521.N1	23-JUL-2011 20:57:28	Dark	44.500	157	The1Eri	2.9060	9300.0	89	49137	No
231	GOM_TRA_1PNPDK20110723_210322_000000543104_00417_49138_9522.N1	23-JUL-2011 21:03:22	Dark	54.000	9	Alp Eri	0.45300	24000.	108	49138	No
232	GOM_TRA_1PNPDK20110723_210721_000000533104_00417_49138_9523.N1	23-JUL-2011 21:07:21	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	49138	No
233	GOM_TRA_1PNPDK20110723_211344_000000453104_00417_49138_9524.N1	23-JUL-2011 21:13:44	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	49138	No
234	GOM_TRA_1PNPDE20110723_211655_000000483104_00417_49138_6833.N1	23-JUL-2011 21:16:55	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	49138	No
235	GOM_TRA_1PNPDE20110723_213351_000000413104_00417_49138_6834.N1	23-JUL-2011 21:33:51	Bright	41.000	11	53Alp Aql	0.76500	8000.0	82	49138	No
236	GOM_TRA_1PNPDE20110723_214321_000000473104_00417_49138_6835.N1	23-JUL-2011 21:43:21	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	49138	No
237	GOM_TRA_1PNPDE20110723_214619_000000473104_00417_49138_6836.N1	23-JUL-2011 21:46:19	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	49138	No
238	GOM_TRA_1PNPDE20110723_215134_000000433104_00417_49138_6837.N1	23-JUL-2011 21:51:34	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	49138	No
239	GOM_TRA_1PNPDE20110723_220016_000000493104_00417_49138_6838.N1	23-JUL-2011 22:00:16	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	49138	No
240	GOM_TRA_1PNPDE20110723_220602_000000653104_00417_49138_6839.N1	23-JUL-2011 22:06:02	Bright	65.000	160	23Gam Per	2.9300	4700.0	130	49138	No
241	GOM_TRA_1PNPDE20110723_220732_000000453104_00417_49138_6840.N1	23-JUL-2011 22:07:32	Bright	45.000	35	33Alp Per	1.7950	6250.0	90	49138	No
242	GOM_TRA_1PNPDE20110723_220908_000000393104_00417_49138_6841.N1	23-JUL-2011 22:09:08	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	49138	No
243	GOM_TRA_1PNPDE20110723_221037_000000533104_00417_49138_6842.N1	23-JUL-2011 22:10:37	Bright	53.000	79	26Bet Per	2.3100	13100.	106	49138	No
244	GOM_TRA_1PNPDE20110723_221355_000000493104_00417_49138_6843.N1	23-JUL-2011 22:13:55	Twilight	49.000	150	44Zet Per	2.8900	28000.	98	49138	No
245	GOM_TRA_1PNPDE20110723_221645_000000503104_00417_49138_6844.N1	23-JUL-2011 22:16:45	Dark	50.000	146	25Eta Tau	2.8730	15200.	100	49138	No
246	GOM_TRA_1PNPDE20110723_221822_000000483104_00417_49138_6845.N1	23-JUL-2011 22:18:22	Dark	47.500	13	87Alp Tau	0.86700	3800.0	95	49138	No
247	GOM_TRA_1PNPDE20110723_222827_000000513104_00417_49138_6859.N1	23-JUL-2011 22:28:27	Dark	51.000	165	34Gam Eri	2.9500	3200.0	102	49138	No
248	GOM_TRA_1PNPDE20110723_223743_000000453104_00417_49138_6860.N1	23-JUL-2011 22:37:43	Dark	44.500	157	The1Eri	2.9060	9300.0	89	49138	No
249	GOM_TRA_1PNPDE20110723_224336_000000533104_00418_49139_6861.N1	23-JUL-2011 22:43:36	Dark	52.500	9	Alp Eri	0.45300	24000.	105	49139	No
250	GOM_TRA_1PNPDE20110723_224736_000000553104_00418_49139_6862.N1	23-JUL-2011 22:47:36	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	49139	No
251	GOM_TRA_1PNPDE20110723_225358_000000453104_00418_49139_6863.N1	23-JUL-2011 22:53:58	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	49139	No
252	GOM_TRA_1PNPDE20110723_225709_000000493104_00418_49139_6864.N1	23-JUL-2011 22:57:09	Straylight	49.000	172	Gam Gru	3.0030	13100.	98	49139	No
253	GOM_TRA_1PNPDE20110723_231404_000000413104_00418_49139_6865.N1	23-JUL-2011 23:14:04	Bright	41.000	11	53Alp Aql	0.76500	8000.0	82	49139	No
254	GOM_TRA_1PNPDE20110723_232335_000000503104_00418_49139_6866.N1	23-JUL-2011 23:23:35	Bright	49.500	92	53Eps Cyg	2.5000	4500.0	99	49139	No
255	GOM_TRA_1PNPDE20110723_232632_000000463104_00418_49139_6867.N1	23-JUL-2011 23:26:32	Bright	45.500	19	50Alp Cyg	1.2460	10500.	91	49139	No
256	GOM_TRA_1PNPDE20110723_233147_000000423104_00418_49139_6868.N1	23-JUL-2011 23:31:47	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	49139	No
257	GOM_TRA_1PNPDE20110723_234029_000000493104_00418_49139_6869.N1	23-JUL-2011 23:40:29	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	49139	No
258	GOM_TRA_1PNPDE20110723_234616_000000453104_00418_49139_6870.N1	23-JUL-2011 23:46:16	Bright	44.500	160	23Gam Per	2.9300	4700.0	89	49139	No
259	GOM_TRA_1PNPDE20110723_234746_000000463104_00418_49139_6871.N1	23-JUL-2011 23:47:46	Bright	46.000	35	33Alp Per	1.7950	6250.0	92	49139	No
260	GOM_TRA_1PNPDE20110723_234922_000000403104_00418_49139_6872.N1	23-JUL-2011 23:49:22	Bright	40.000	6	13Alp Aur	0.080000	3400.0	80	49139	No
261	GOM_TRA_1PNPDE20110723_235051_000000553104_00418_49139_6873.N1	23-JUL-2011 23:50:51	Bright	55.000	79	26Bet Per	2.3100	13100.	110	49139	No
262	GOM_TRA_1PNPDE20110723_235409_000000513104_00418_49139_6874.N1	23-JUL-2011 23:54:09	Twilight	50.500	150	44Zet Per	2.8900	28000.	101	49139	No
263	GOM_TRA_1PNPDE20110723_235700_000000523104_00418_49139_6875.N1	23-JUL-2011 23:57:00	Dark	51.500	146	25Eta Tau	2.8730	15200.	103	49139	No
264	GOM_TRA_1PNPDE20110723_235836_000000423104_00418_49139_6876.N1	23-JUL-2011 23:58:36	Dark	41.500	13	87Alp Tau	0.86700	3800.0	83	49139	No

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



4. Overview of dark signal processing per product

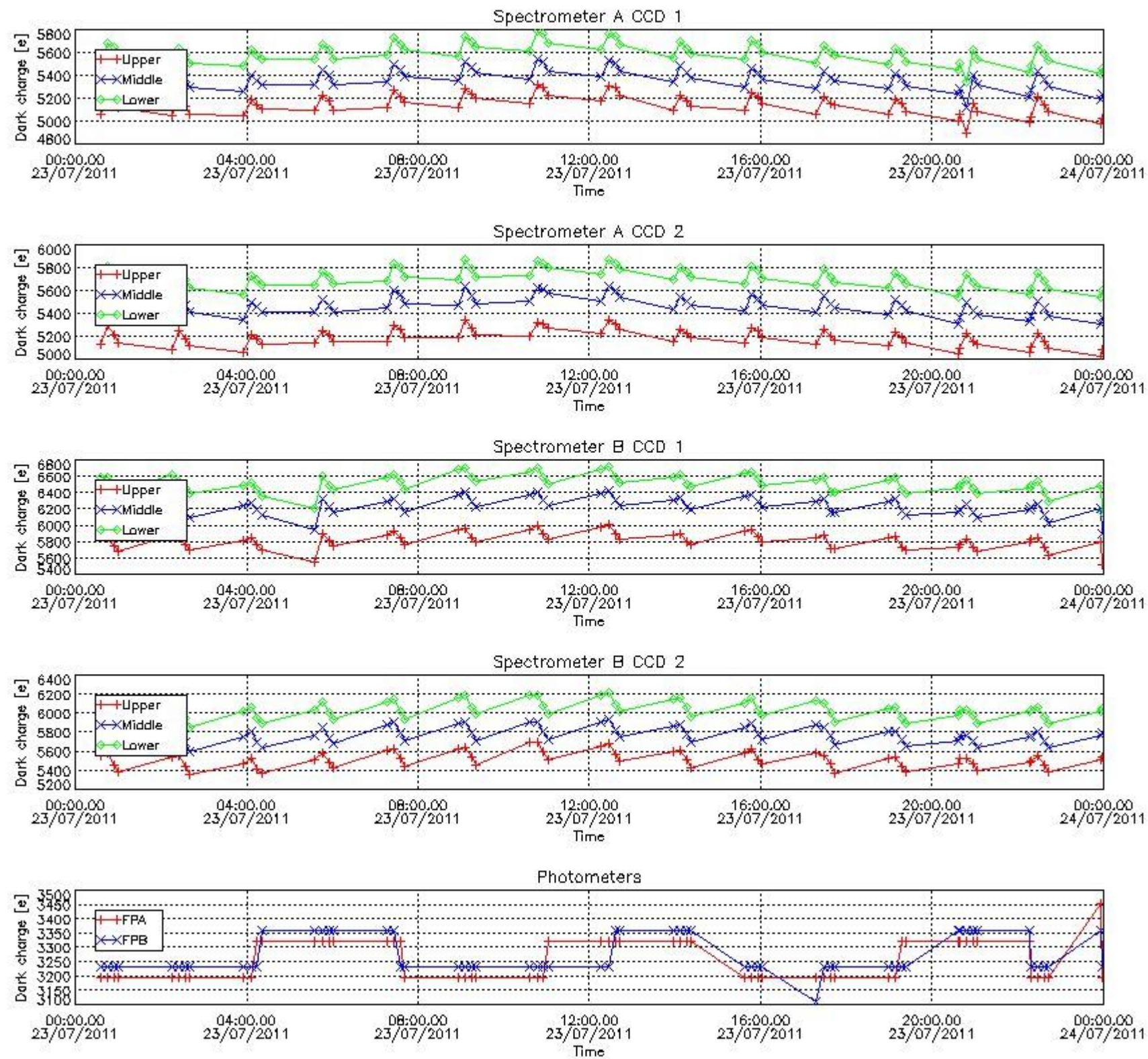
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110723_211655_000000483104_00417_49138_6833.N1	DC map used
GOM_TRA_1PNPDE20110723_213351_000000413104_00417_49138_6834.N1	DC map used
GOM_TRA_1PNPDE20110723_214321_000000473104_00417_49138_6835.N1	DC map used
GOM_TRA_1PNPDE20110723_214619_000000473104_00417_49138_6836.N1	DC map used
GOM_TRA_1PNPDE20110723_215134_000000433104_00417_49138_6837.N1	DC map used
GOM_TRA_1PNPDE20110723_220016_000000493104_00417_49138_6838.N1	DC map used
GOM_TRA_1PNPDE20110723_220602_000000653104_00417_49138_6839.N1	DC map used
GOM_TRA_1PNPDE20110723_220732_000000453104_00417_49138_6840.N1	DC map used
GOM_TRA_1PNPDE20110723_220908_000000393104_00417_49138_6841.N1	DC map used
GOM_TRA_1PNPDE20110723_221037_000000533104_00417_49138_6842.N1	DC map used
GOM_TRA_1PNPDE20110723_221355_000000493104_00417_49138_6843.N1	DC map used
GOM_TRA_1PNPDE20110723_221645_000000503104_00417_49138_6844.N1	DC map used
GOM_TRA_1PNPDE20110723_221822_000000483104_00417_49138_6845.N1	DC map used

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



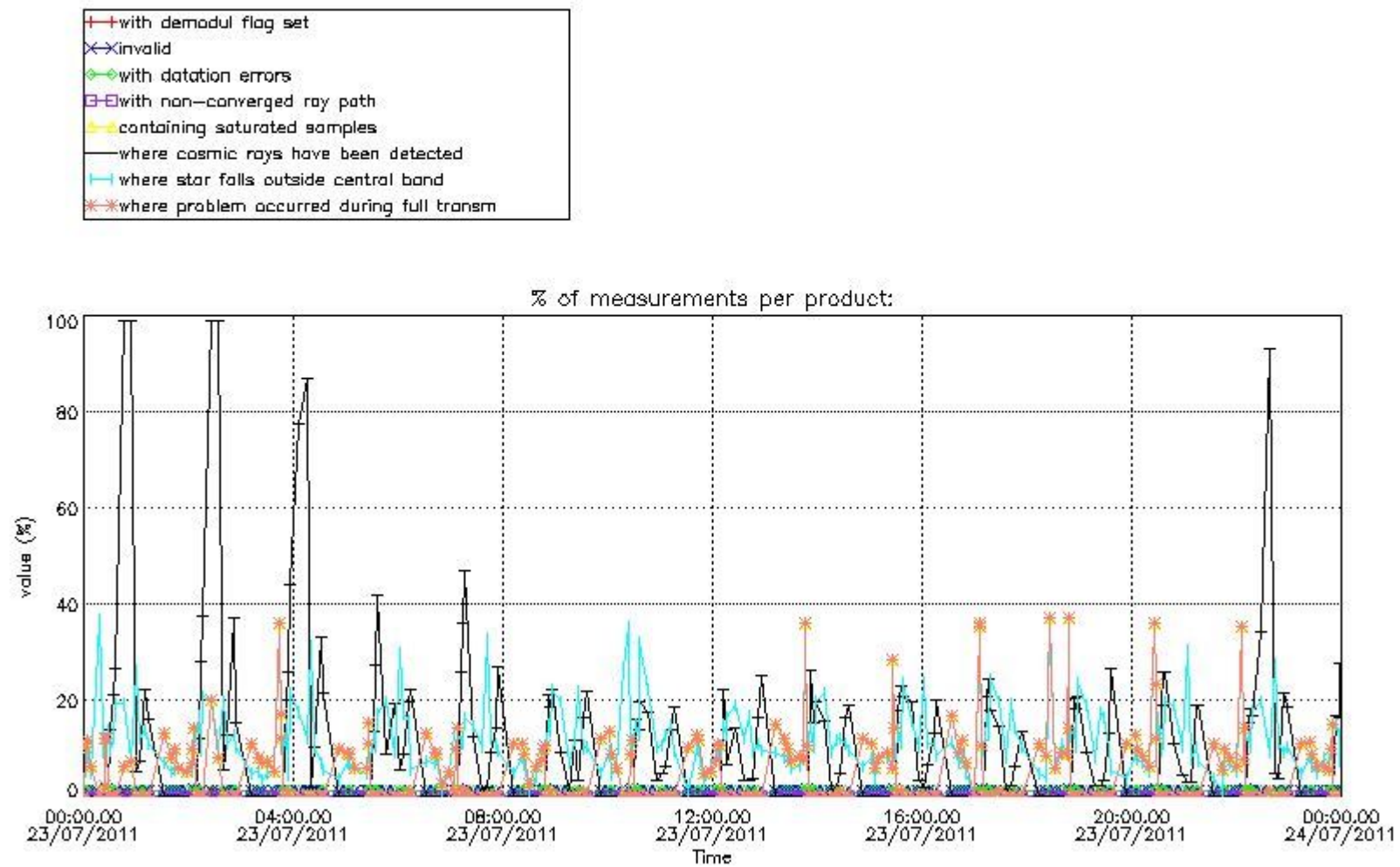
5. Demodulation flag and quality information monitoring

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.

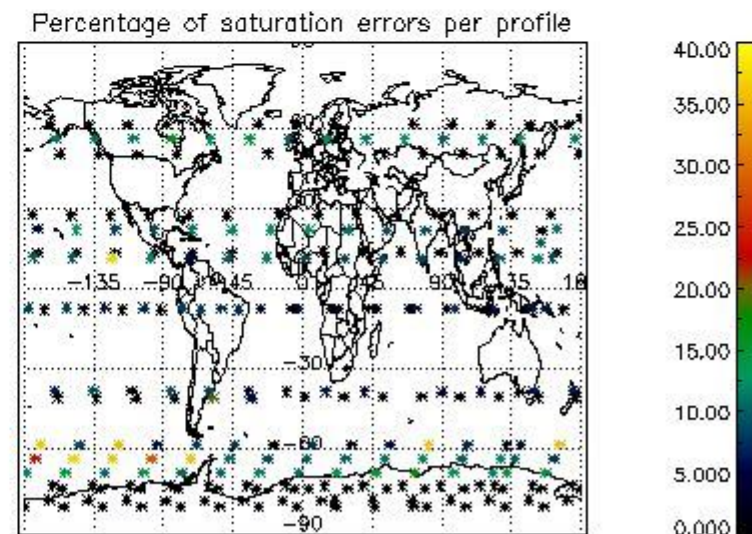
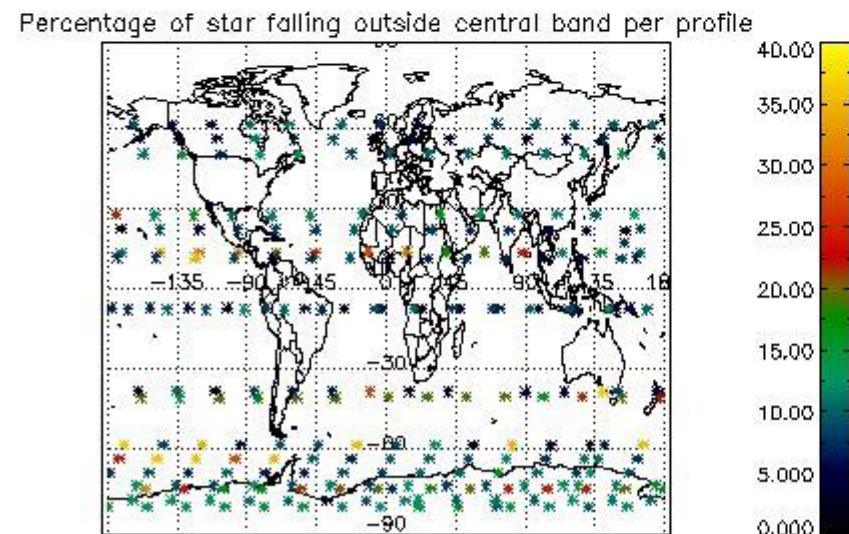
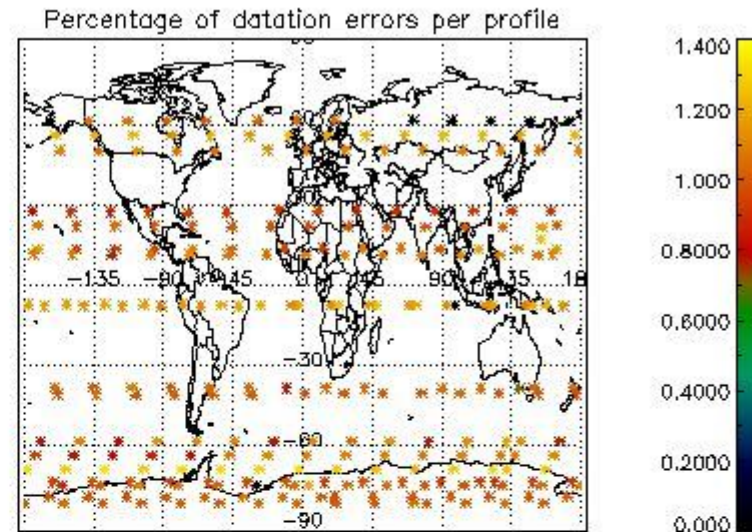
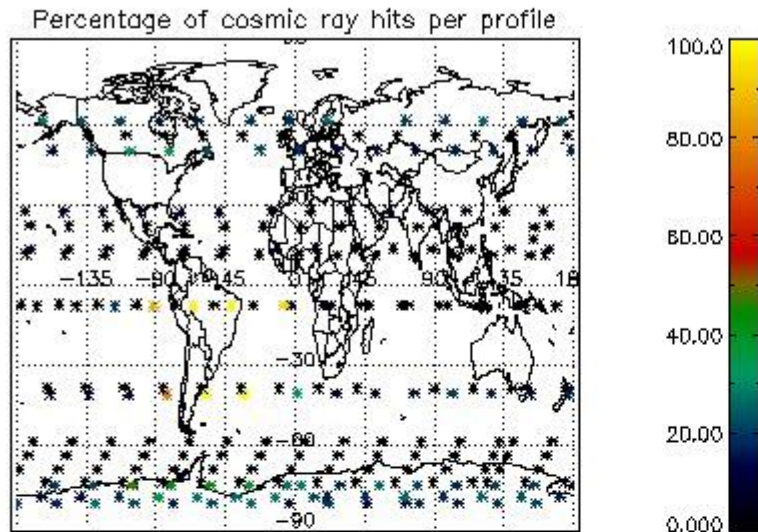
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	45.4198 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	51.1450 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



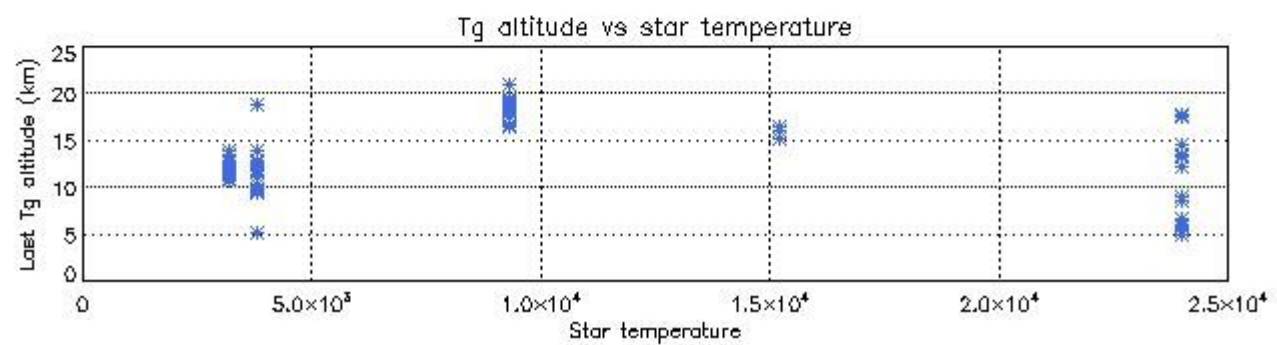
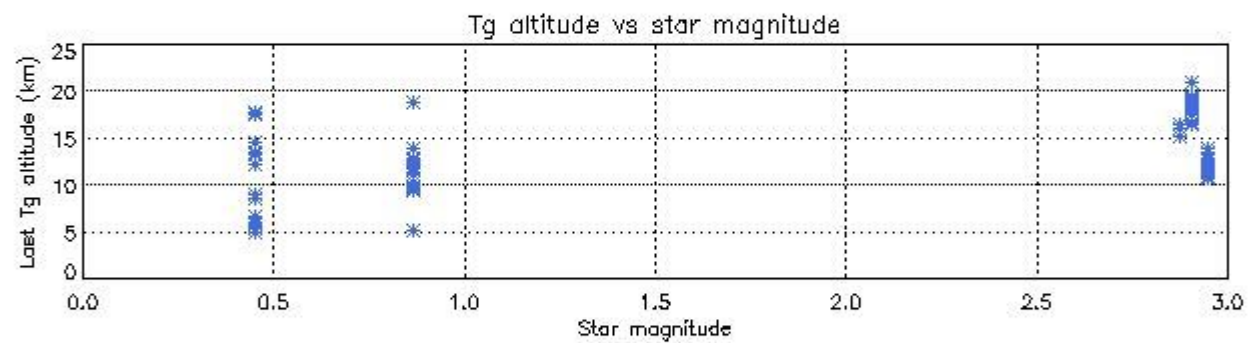
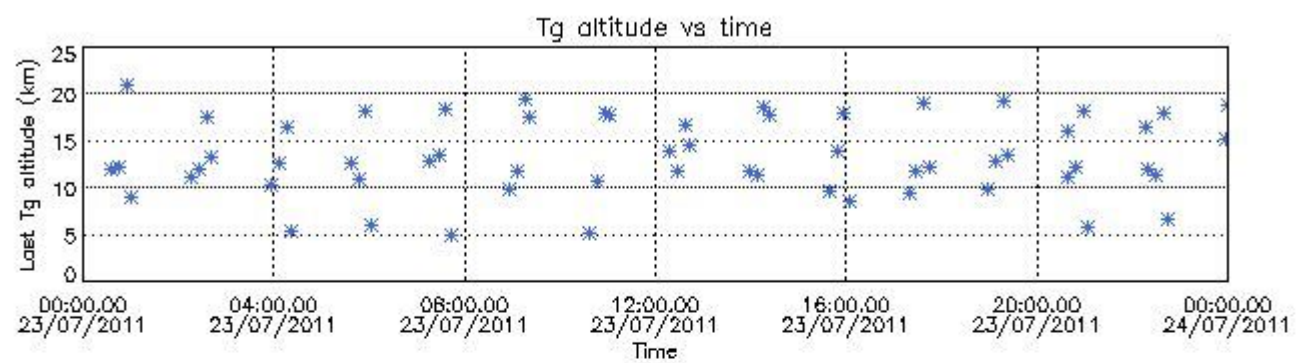
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.240	18.609	16.133
St. deviation:	4.1023	5.0954	1.4463
Maximum:	21.041	32.531	19.901
Minimum:	4.8559	3.0634	14.287
Number of data:	60.000	134.00	12.000

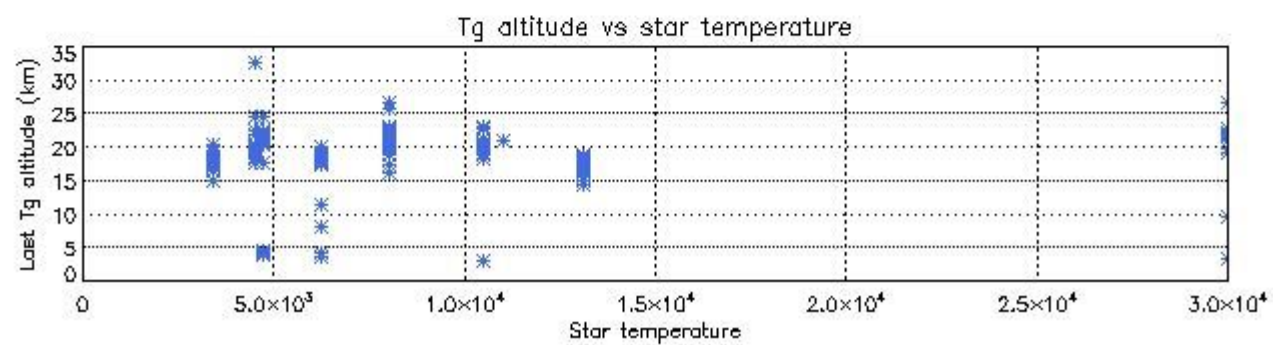
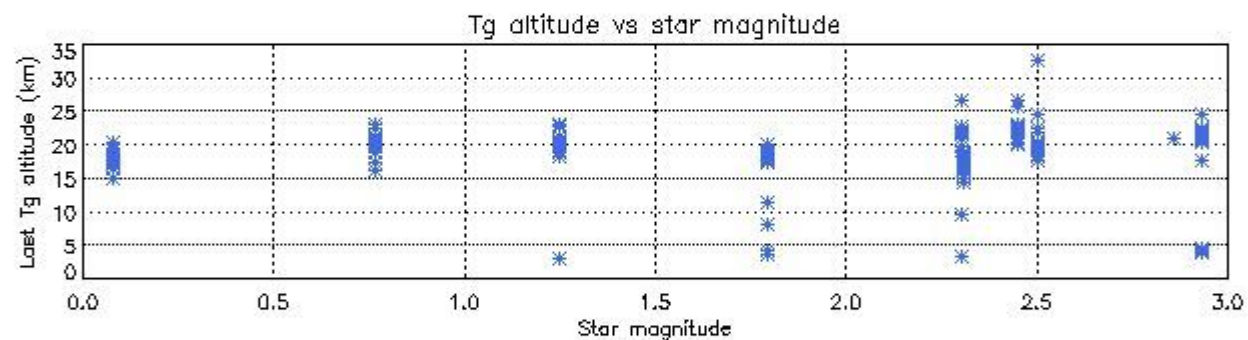
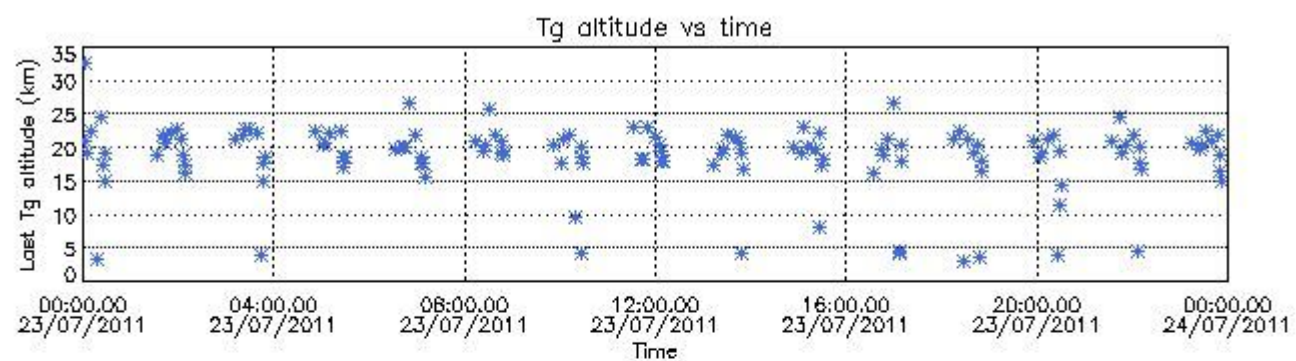
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



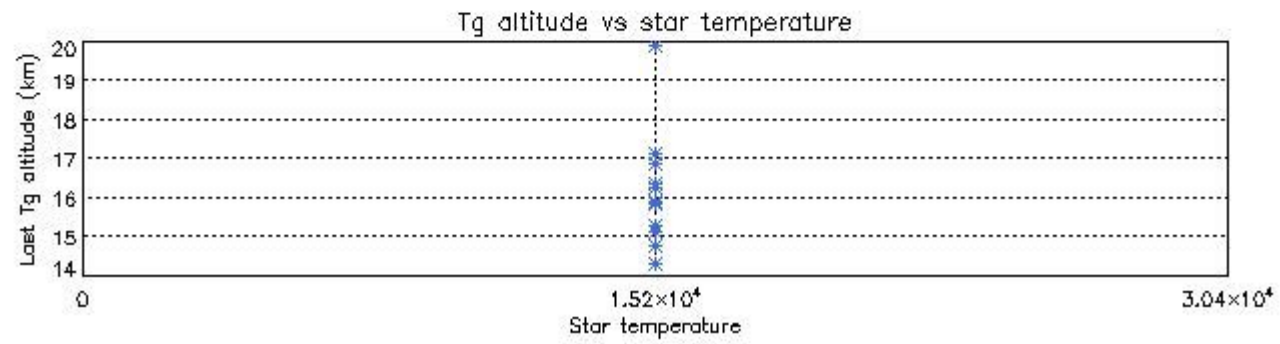
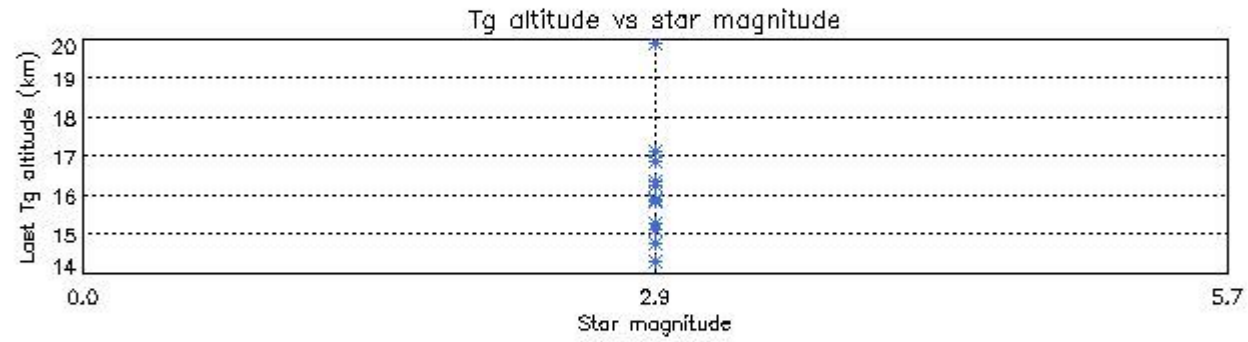
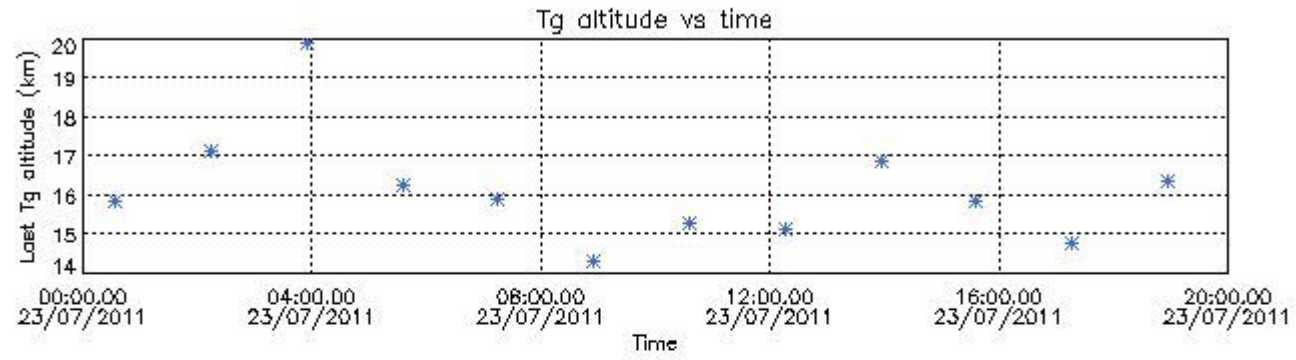
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

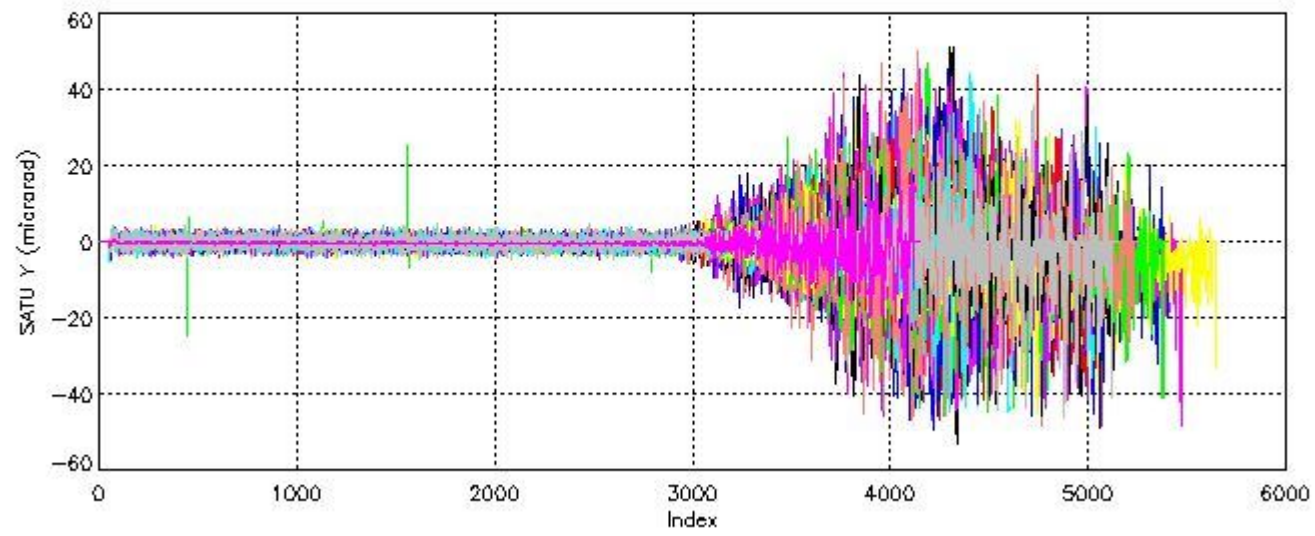
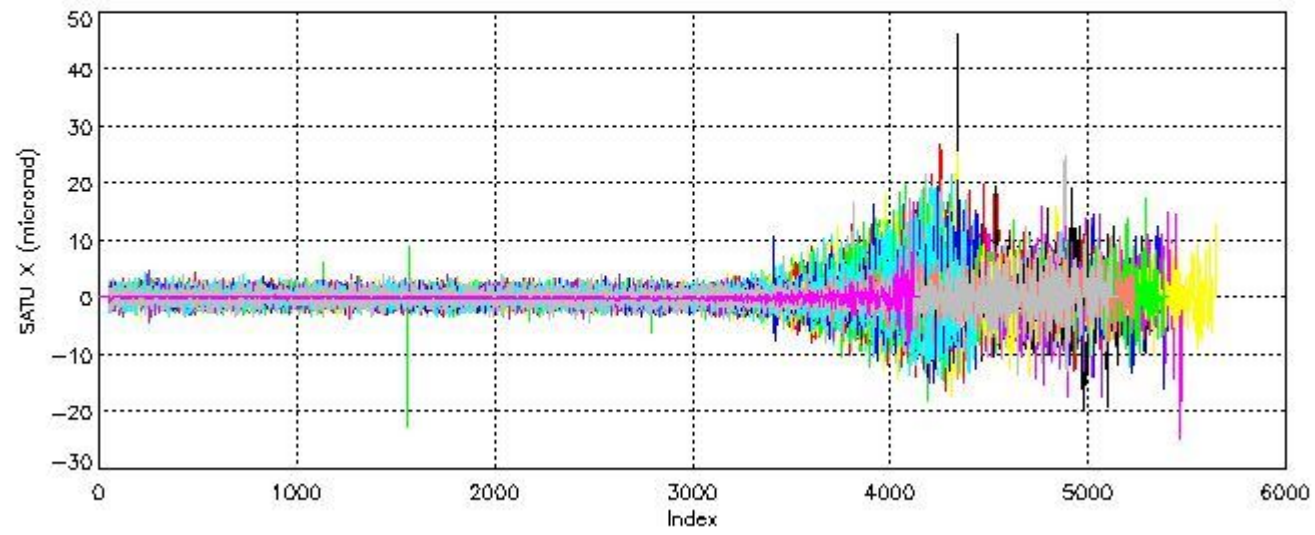


7. Star Acquisition and Tracking Unit (SATU)

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:	0.15053	-0.24746	0.22527	-0.22021
St. deviation:	0.45055	0.55241	0.59258	0.64866
Maximum:	4.9000	6.2000	17.400	6.3000
Minimum:	-4.5000	-24.600	-5.7000	-15.100

Number of data:	59900.	59900.	1.4315E+05	1.4315E+05
90Percentile:	0.70000	0.40000	1.0000	0.60000

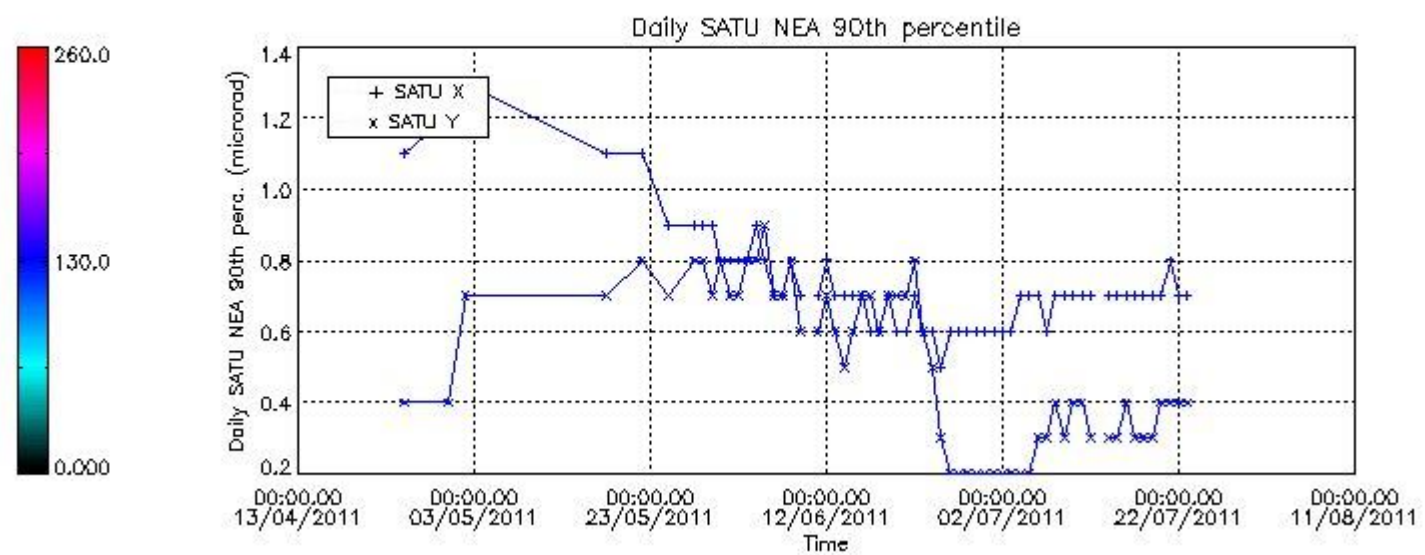
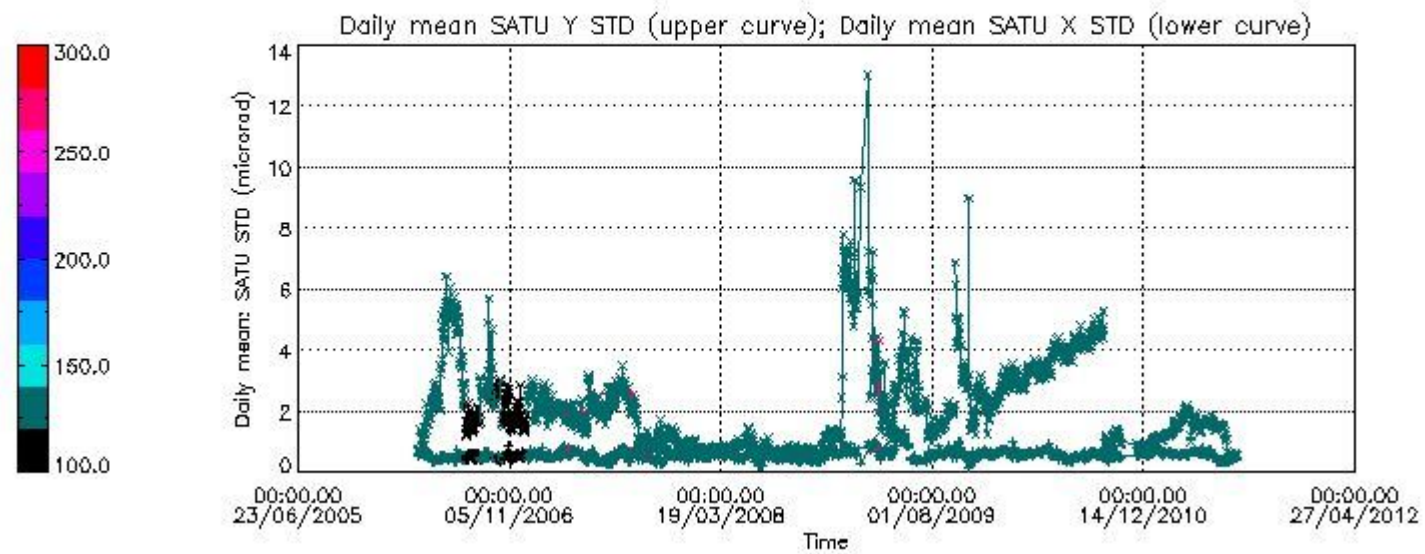
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

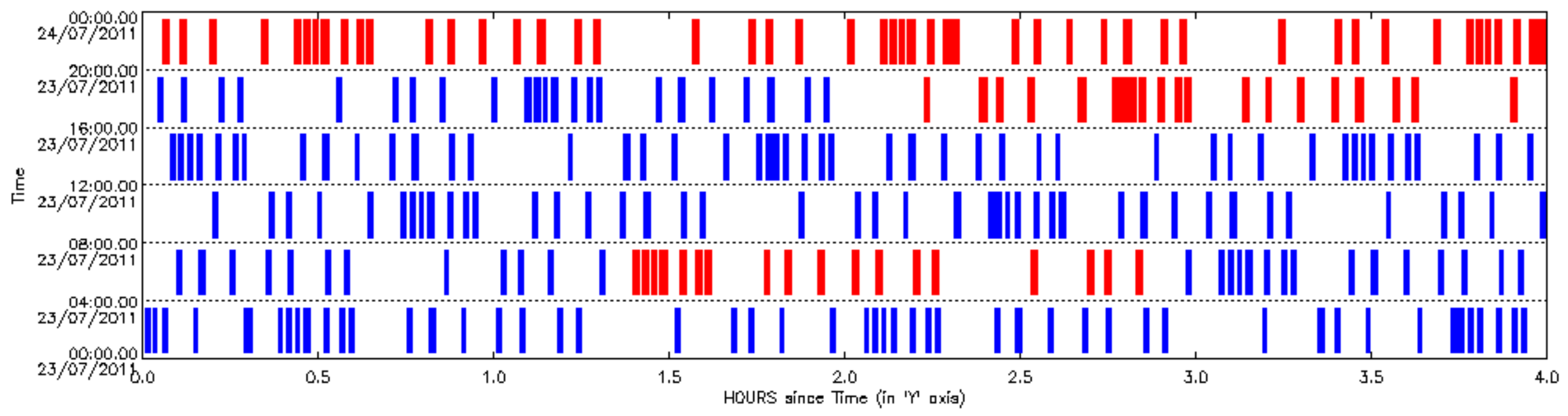
Lower curve: STD of SATU X axis

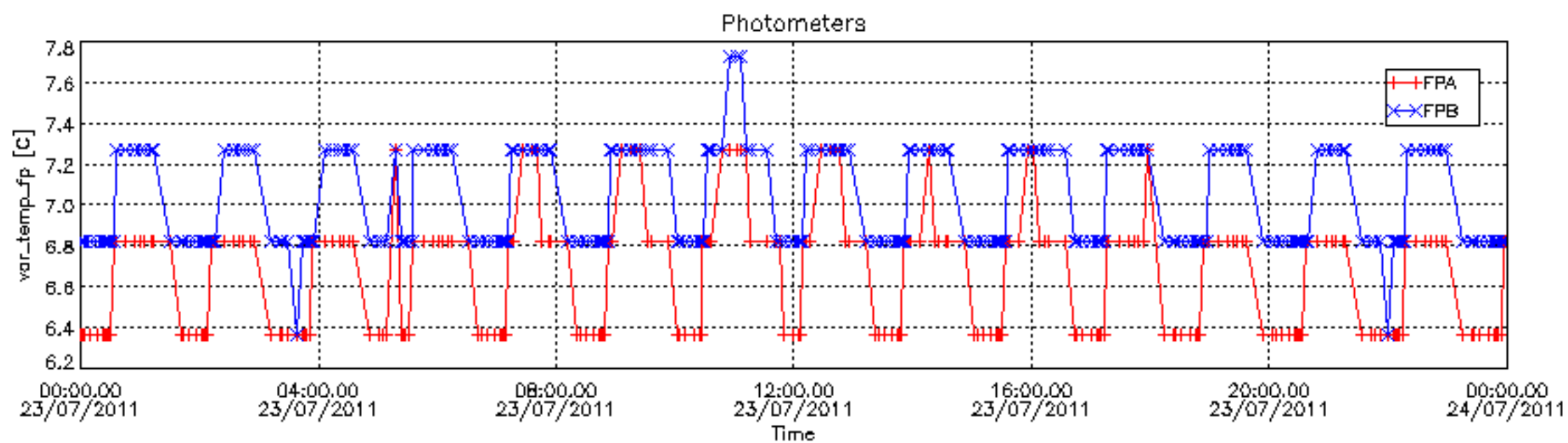
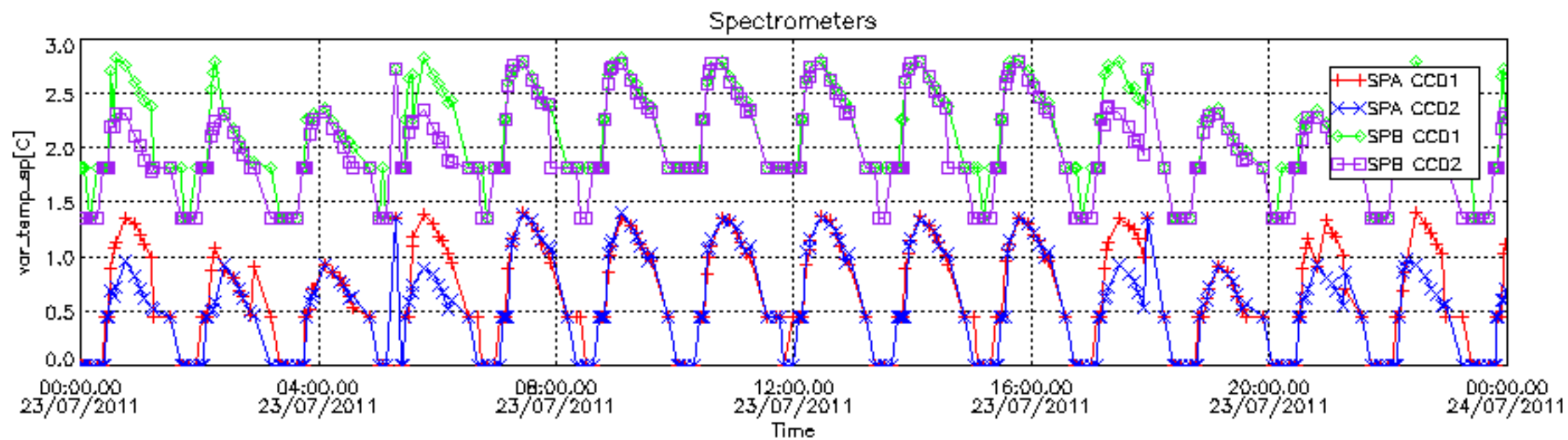


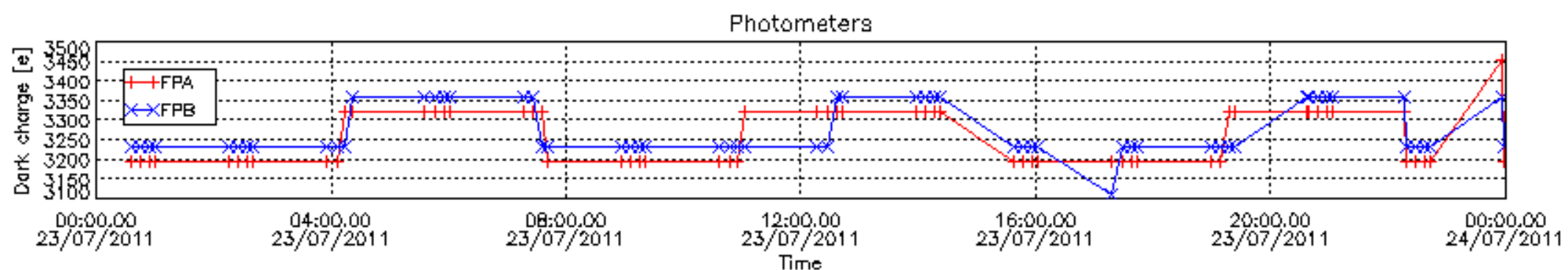
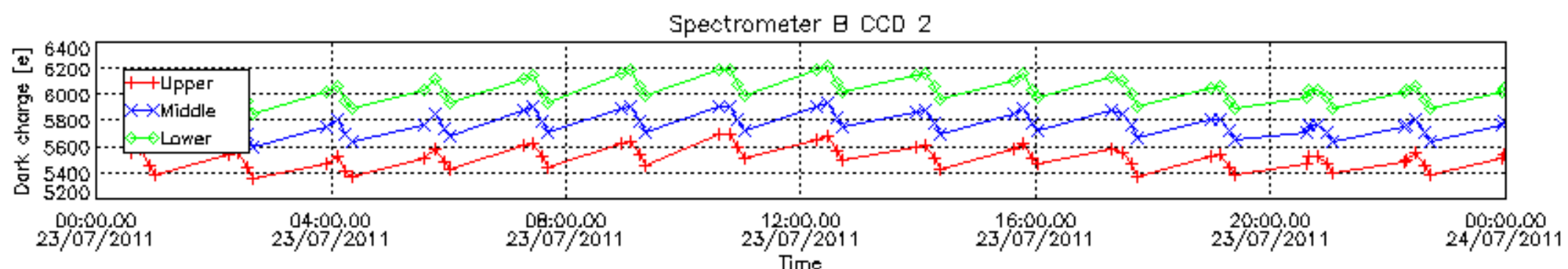
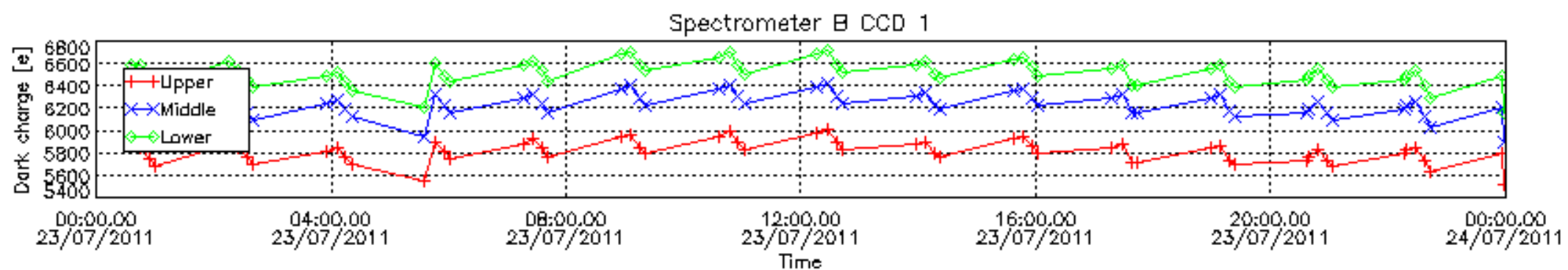
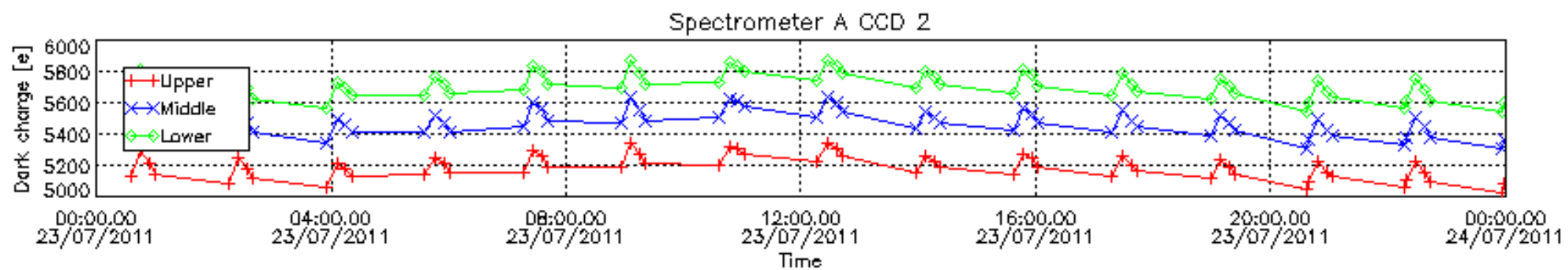
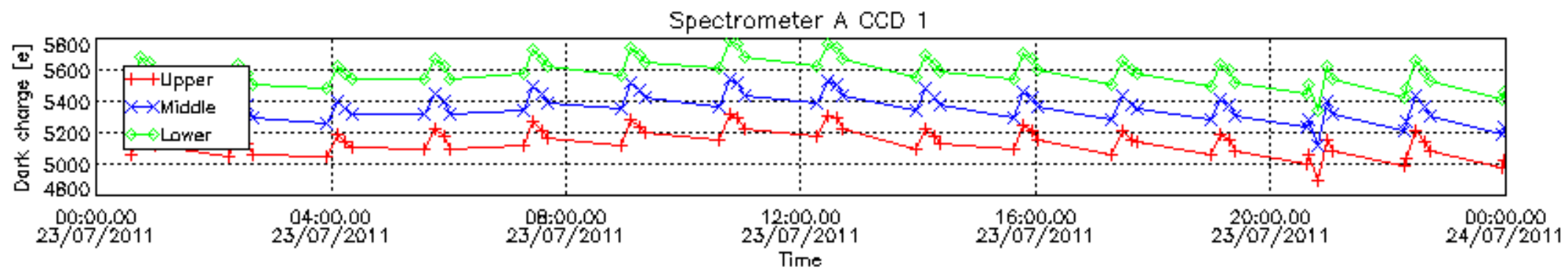
8. Auxiliary Data Files used for the production reported in section 2.4

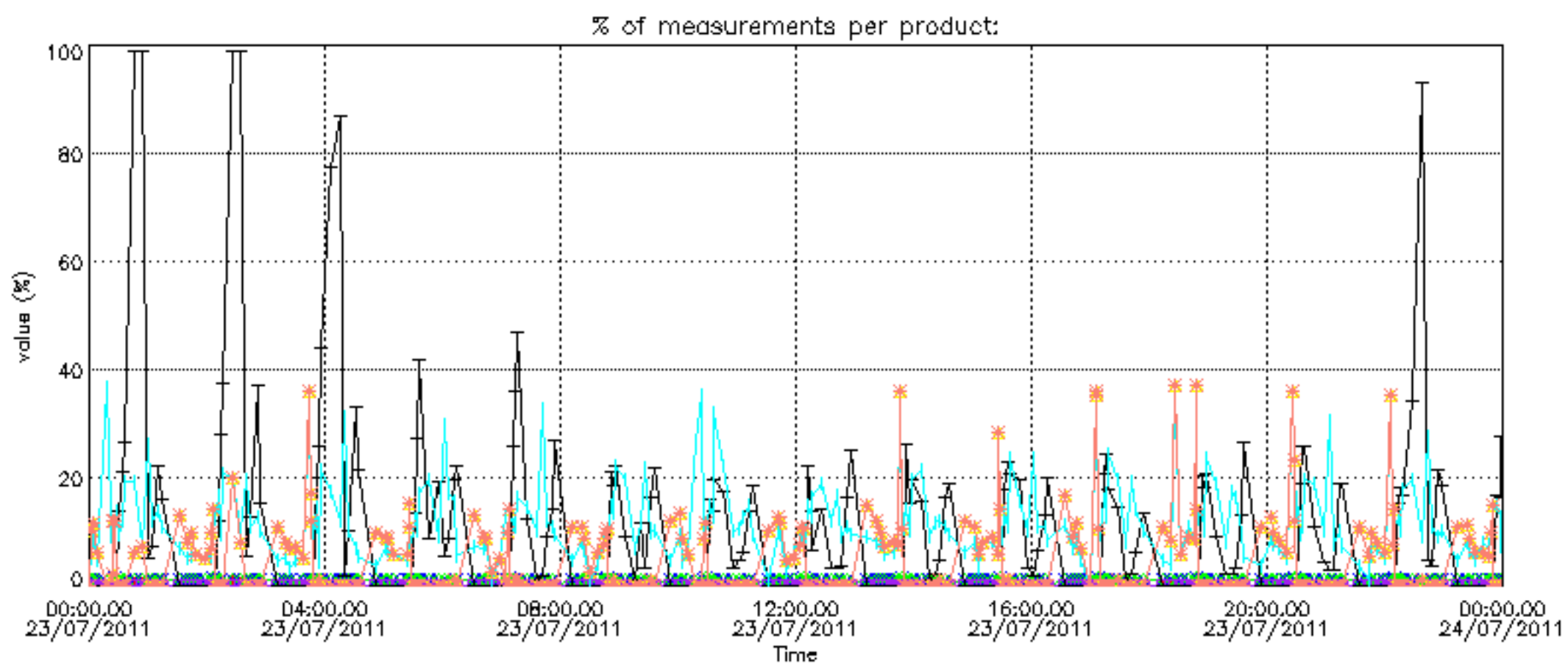
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-JUL-2011 00:00:30
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110718_093638_20110717_000000_20500101_000000	1	23-JUL-2011 00:00:30
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	23-JUL-2011 00:00:30
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	23-JUL-2011 00:00:30
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	23-JUL-2011 00:00:30
ECMWF_FILE	AUX_ECF_AXNECM20110722_063648_20110722_210000_20110723_090000	1	23-JUL-2011 00:00:30
ECMWF_FILE	AUX_ECF_AXNECM20110722_180548_20110723_030000_20110723_150000	41	23-JUL-2011 03:37:49
ECMWF_FILE	AUX_ECA_AXNECM20110723_062114_20110722_210000_20110723_090000	59	23-JUL-2011 05:18:02
ECMWF_FILE	AUX_ECF_AXNECM20110722_180548_20110723_030000_20110723_150000	91	23-JUL-2011 08:12:00
ECMWF_FILE	AUX_ECF_AXNECM20110723_062114_20110723_090000_20110723_210000	109	23-JUL-2011 09:52:14
ECMWF_FILE	AUX_ECF_AXNECM20110723_062115_20110723_150000_20110724_030000	181	23-JUL-2011 16:33:09
ECMWF_FILE	AUX_ECA_AXNECM20110723_184041_20110723_090000_20110723_210000	198	23-JUL-2011 17:56:26
ECMWF_FILE	AUX_ECF_AXNECM20110723_062115_20110723_150000_20110724_030000	216	23-JUL-2011 19:36:40
ECMWF_FILE	AUX_ECF_AXNECM20110723_062115_20110723_210000_20110724_090000	234	23-JUL-2011 21:16:55
OPTIONAL_ECMWF_FILE	MISSING	1	23-JUL-2011 00:00:30
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110722_101646_20110721_185232_20110731_210619	1	23-JUL-2011 00:00:30
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110723_102113_20110722_195602_20110801_202935	77	23-JUL-2011 06:58:16
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110723_222040_20110723_191918_20110802_213305	247	23-JUL-2011 22:28:27

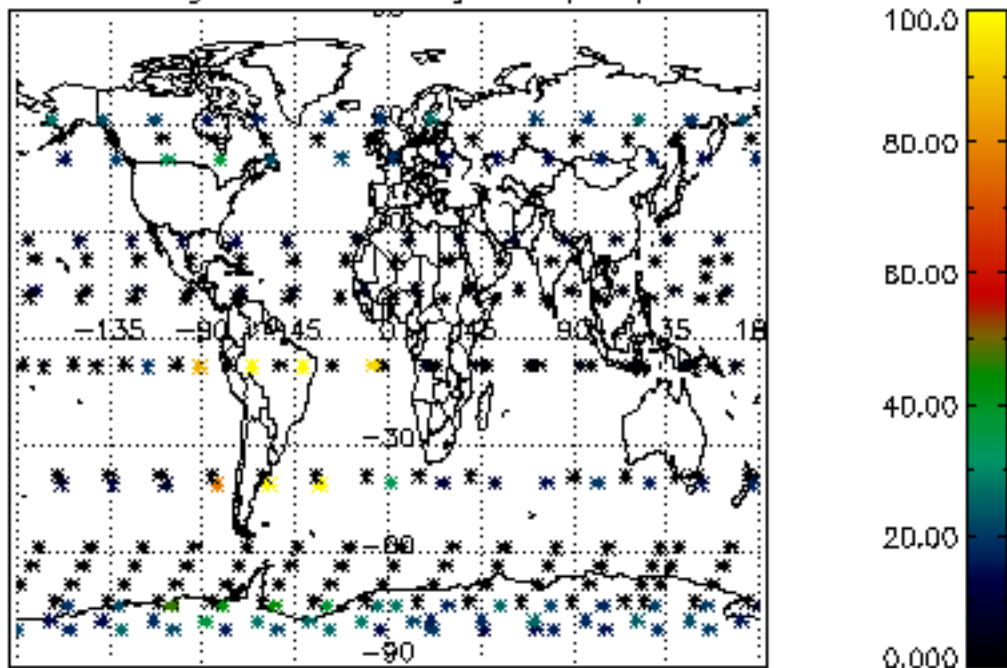




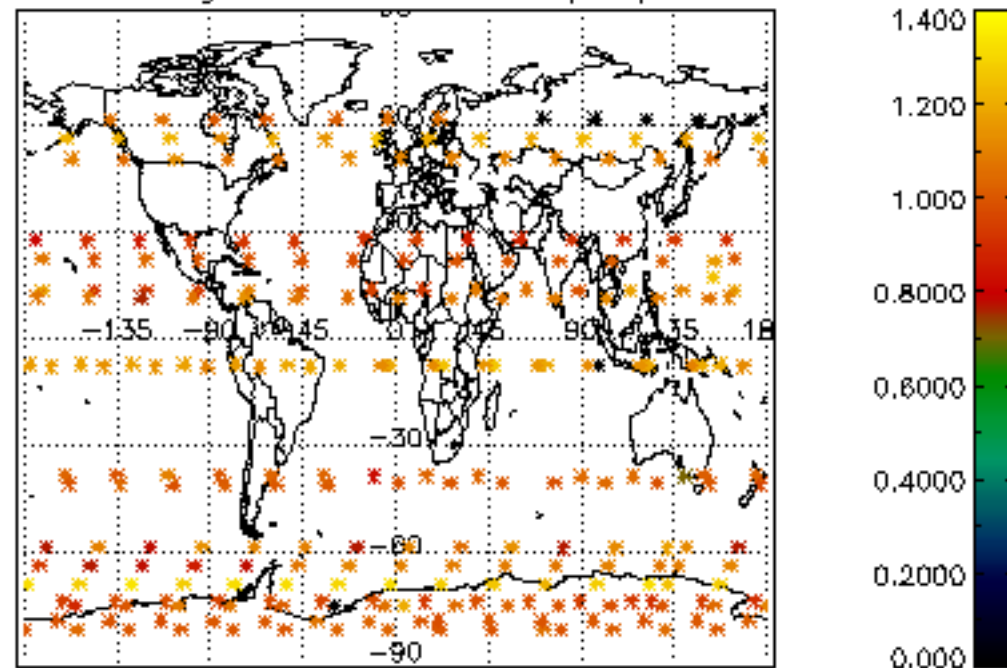




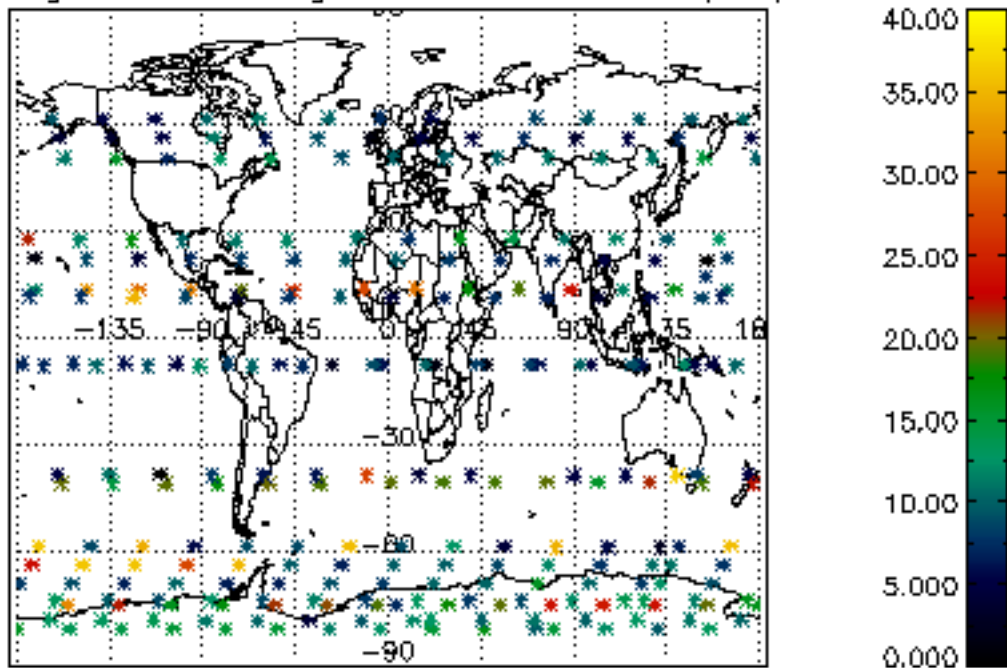
Percentage of cosmic ray hits per profile



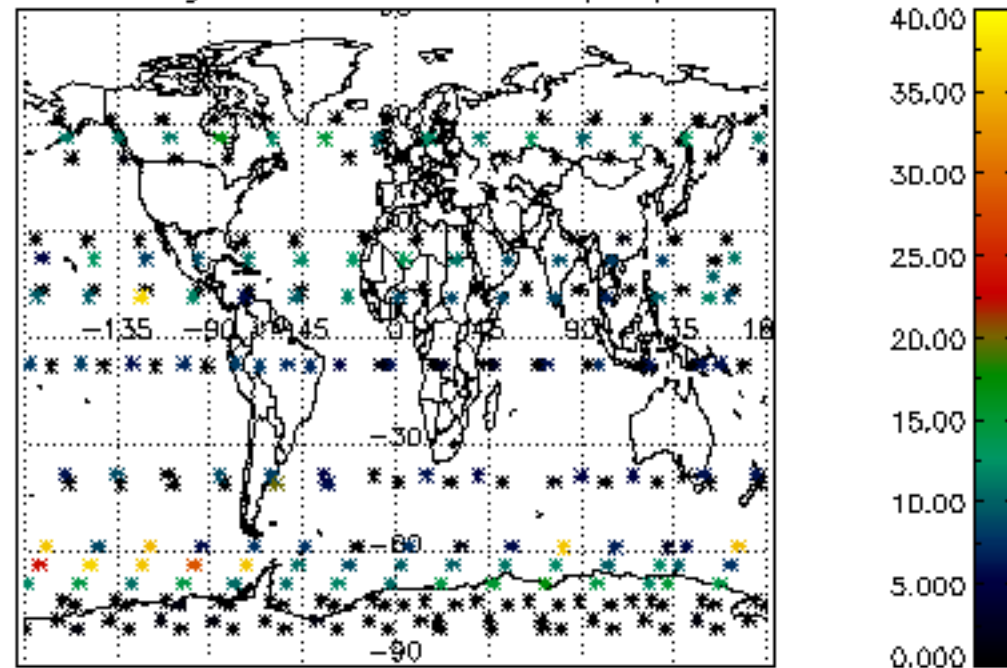
Percentage of datation errors per profile



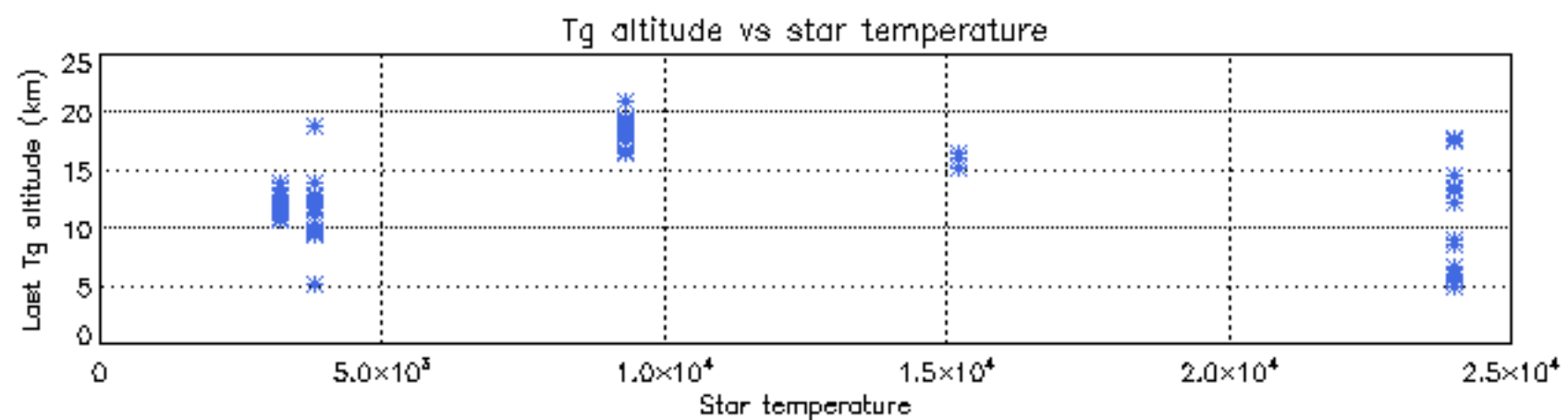
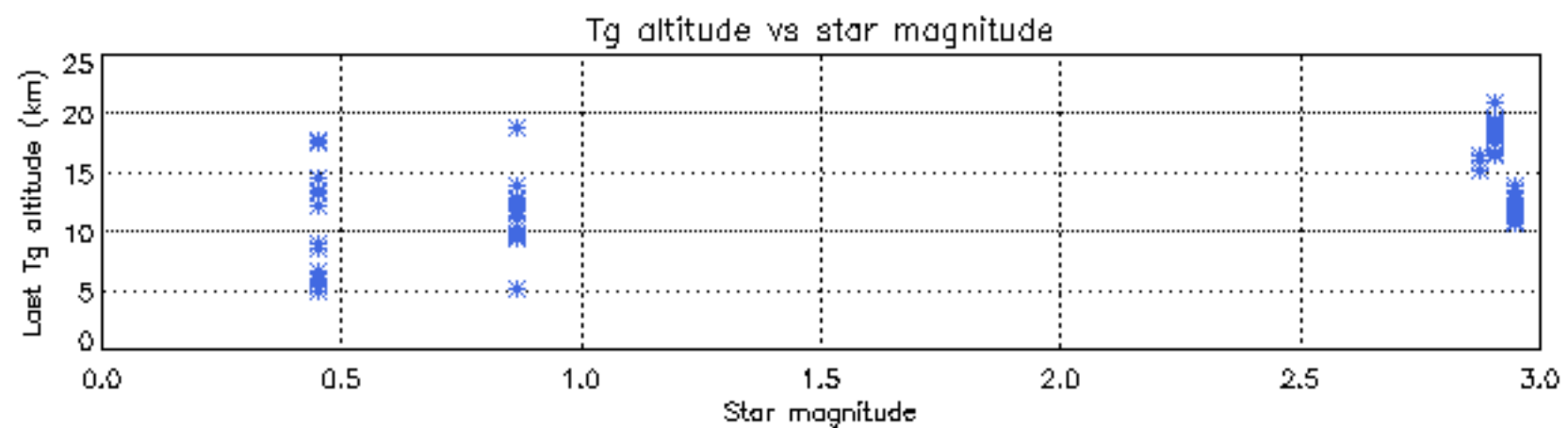
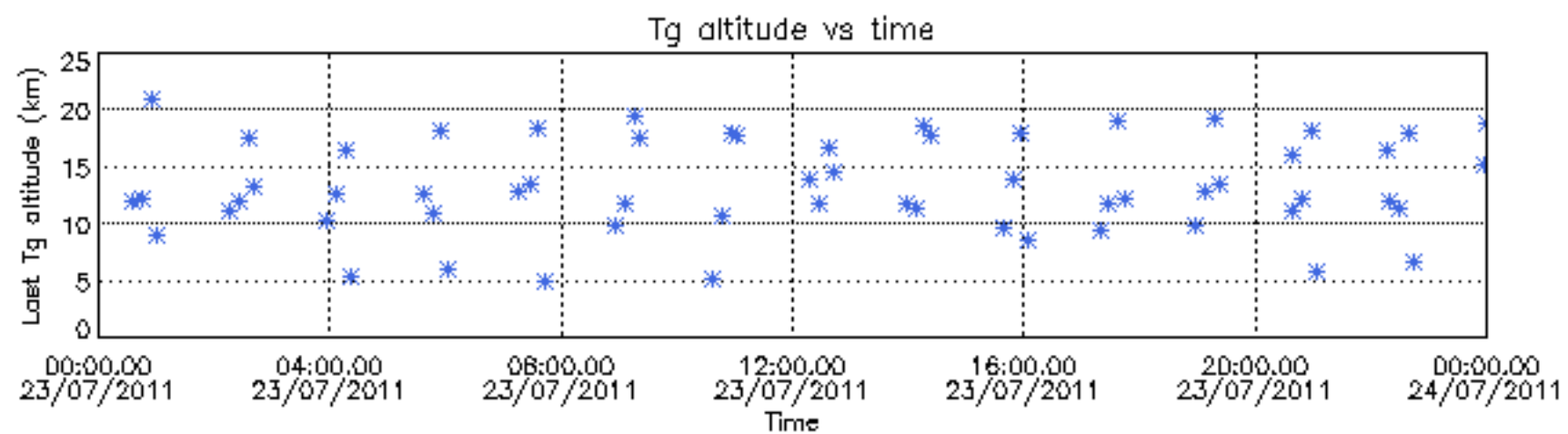
Percentage of star falling outside central band per profile



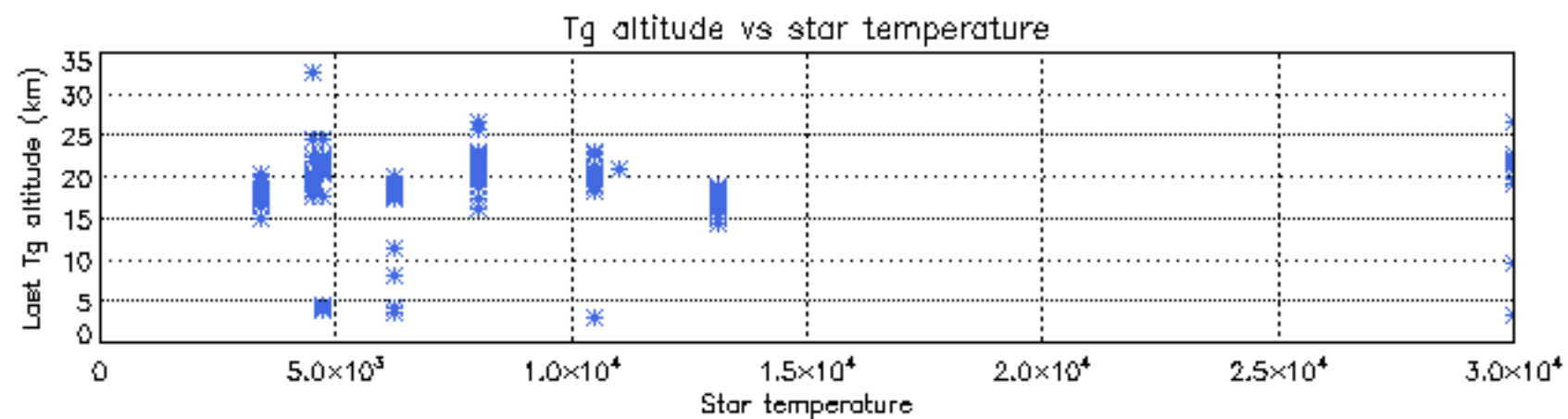
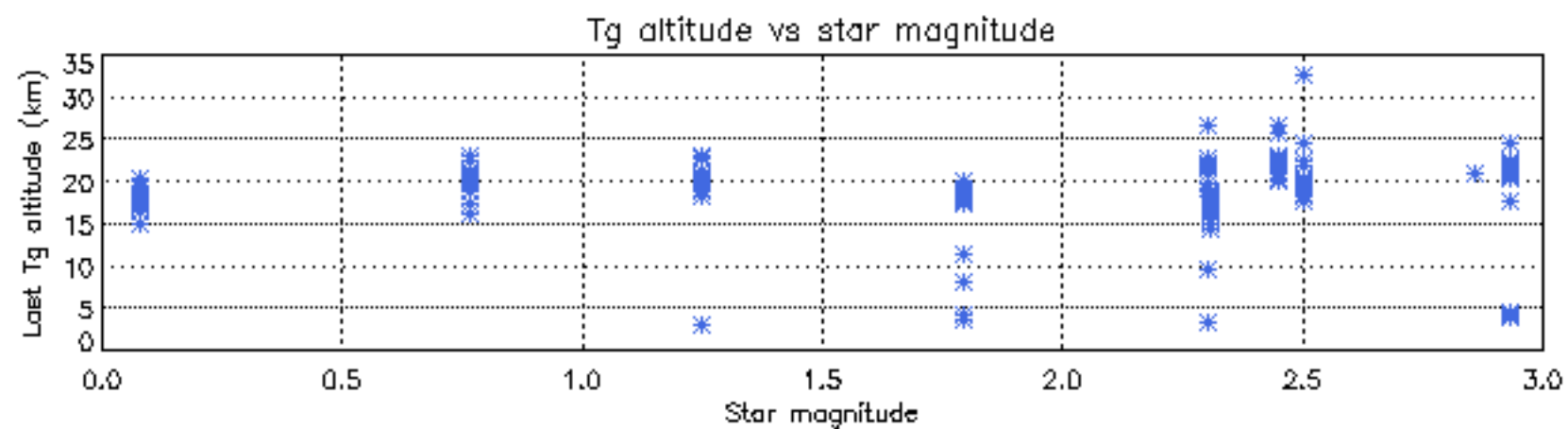
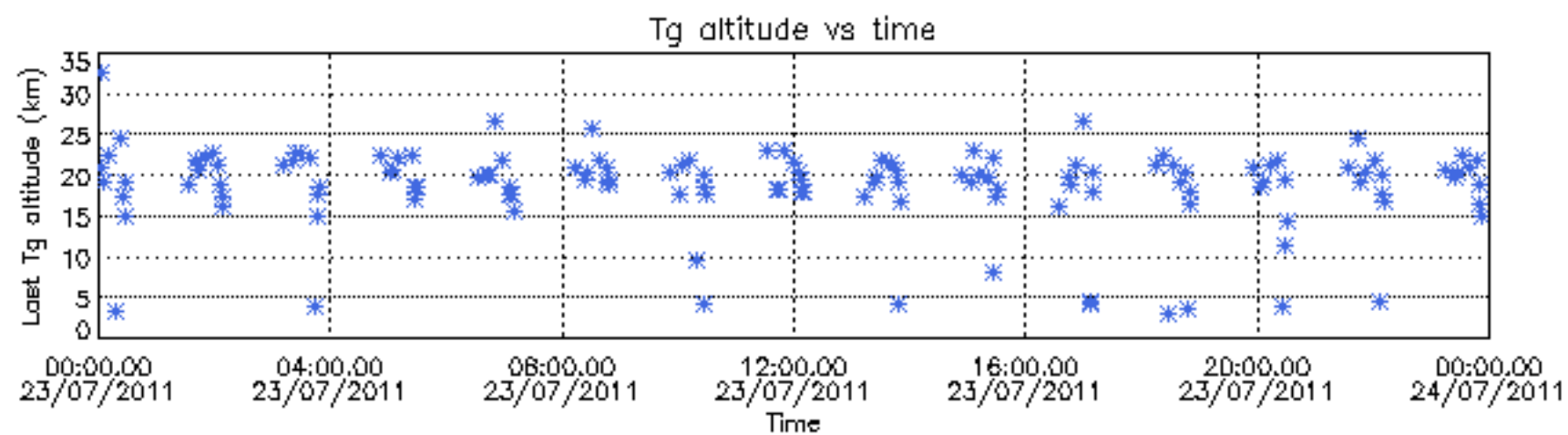
Percentage of saturation errors per profile



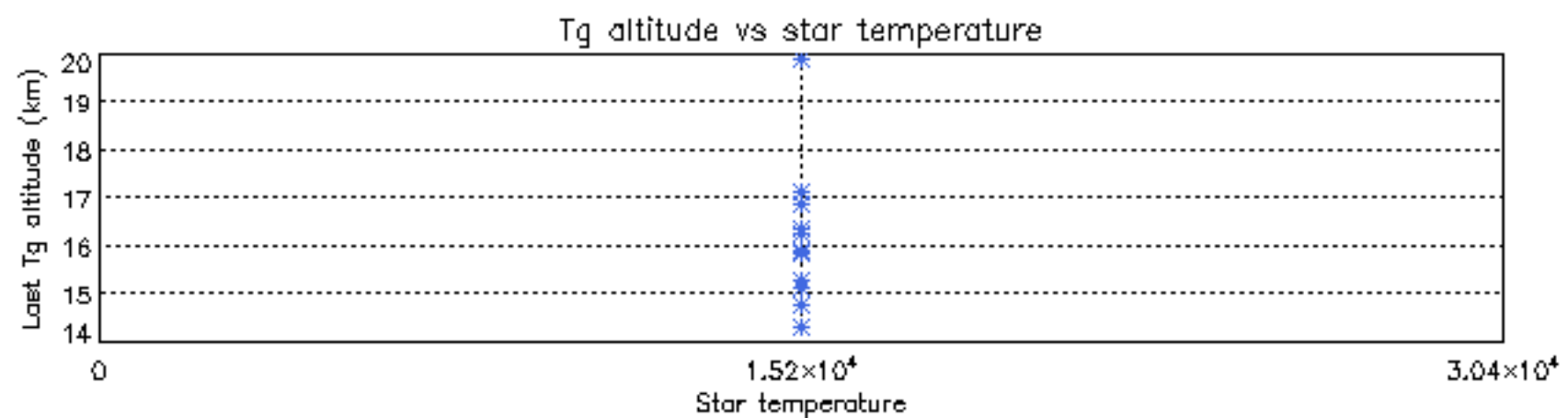
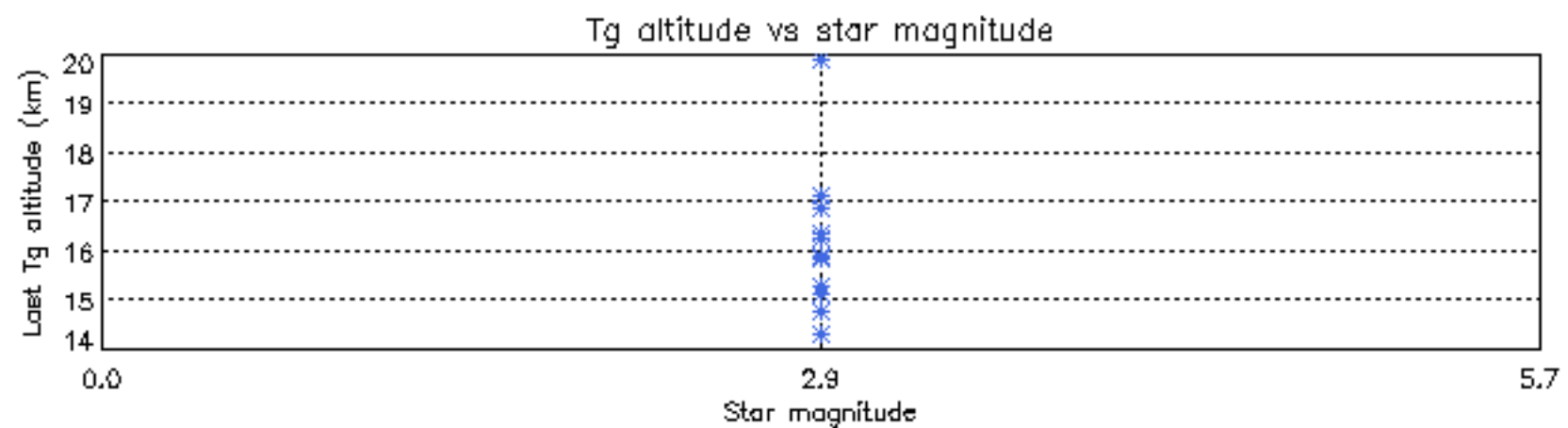
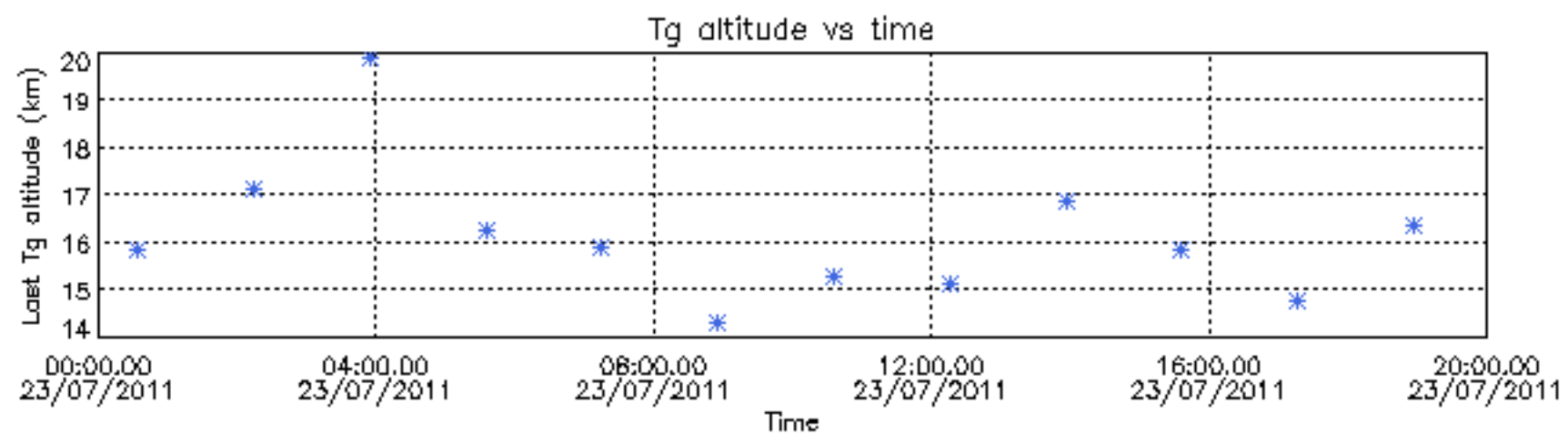
Tangent altitude at which the star is lost

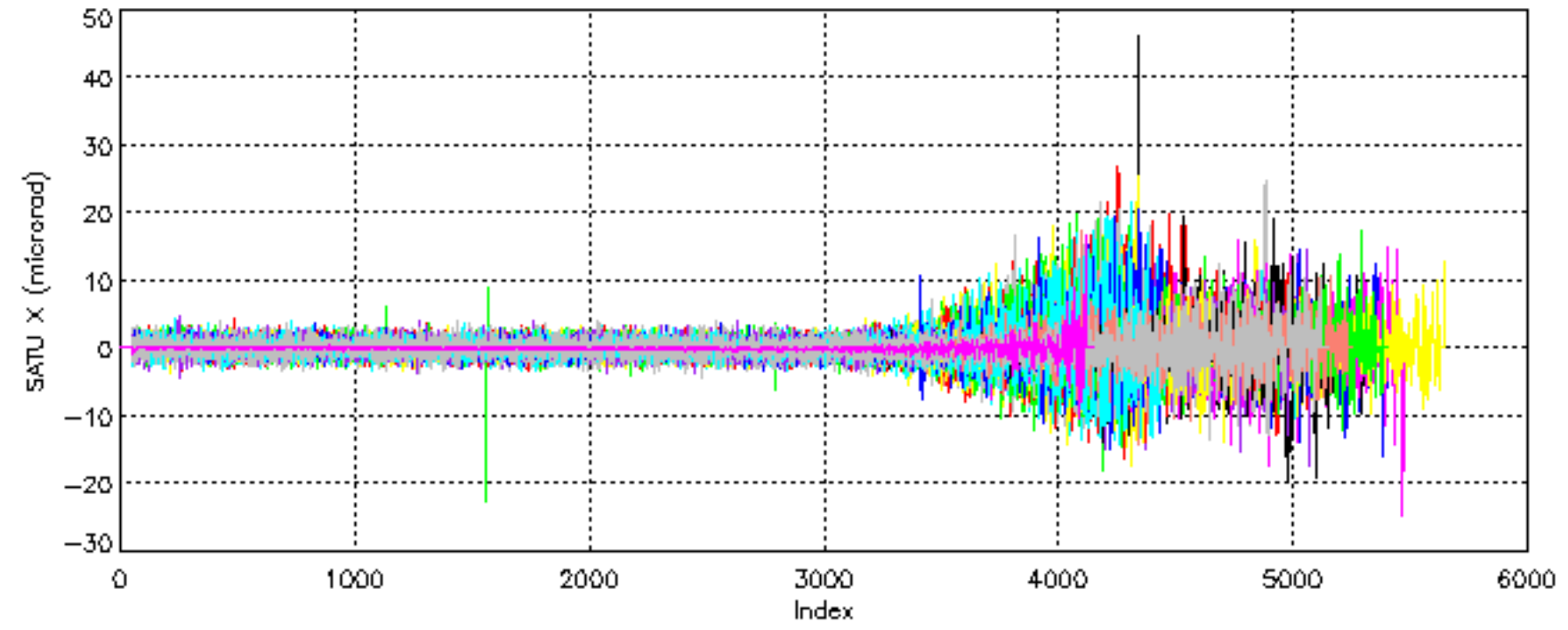


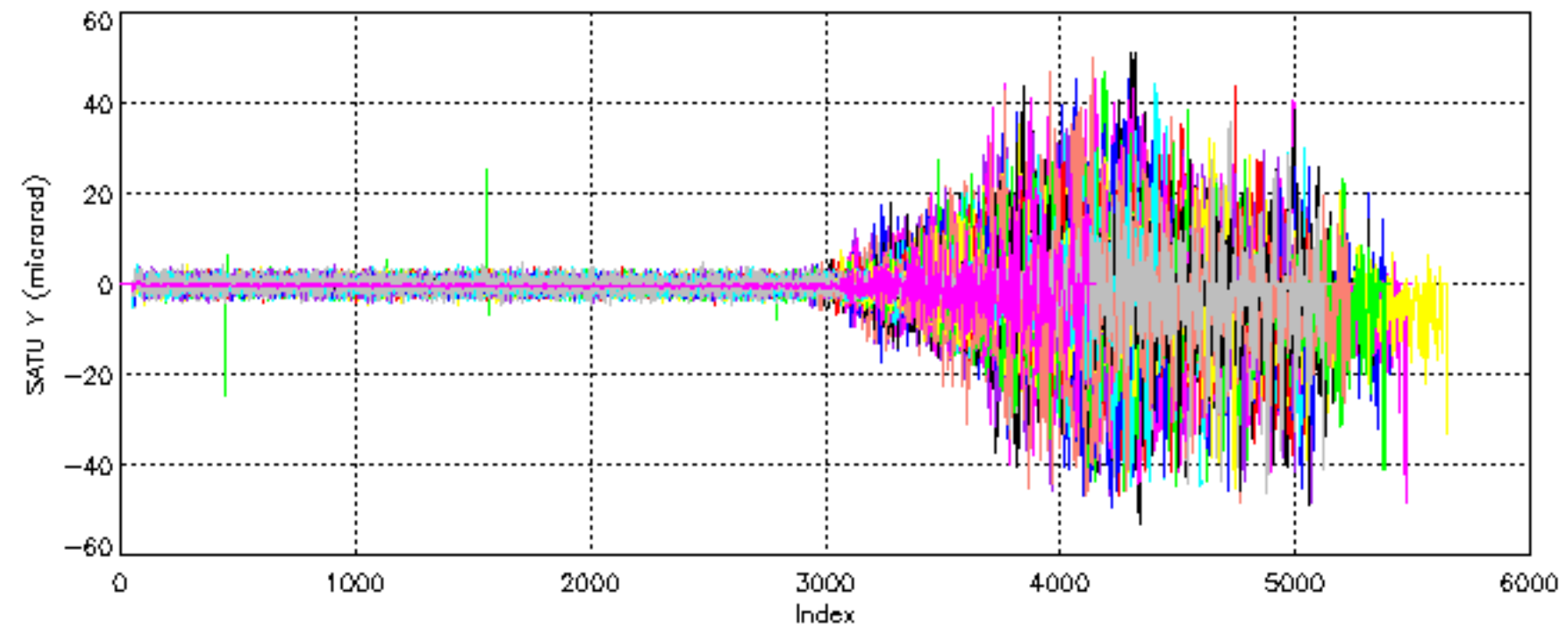
Tangent altitude at which the star is lost

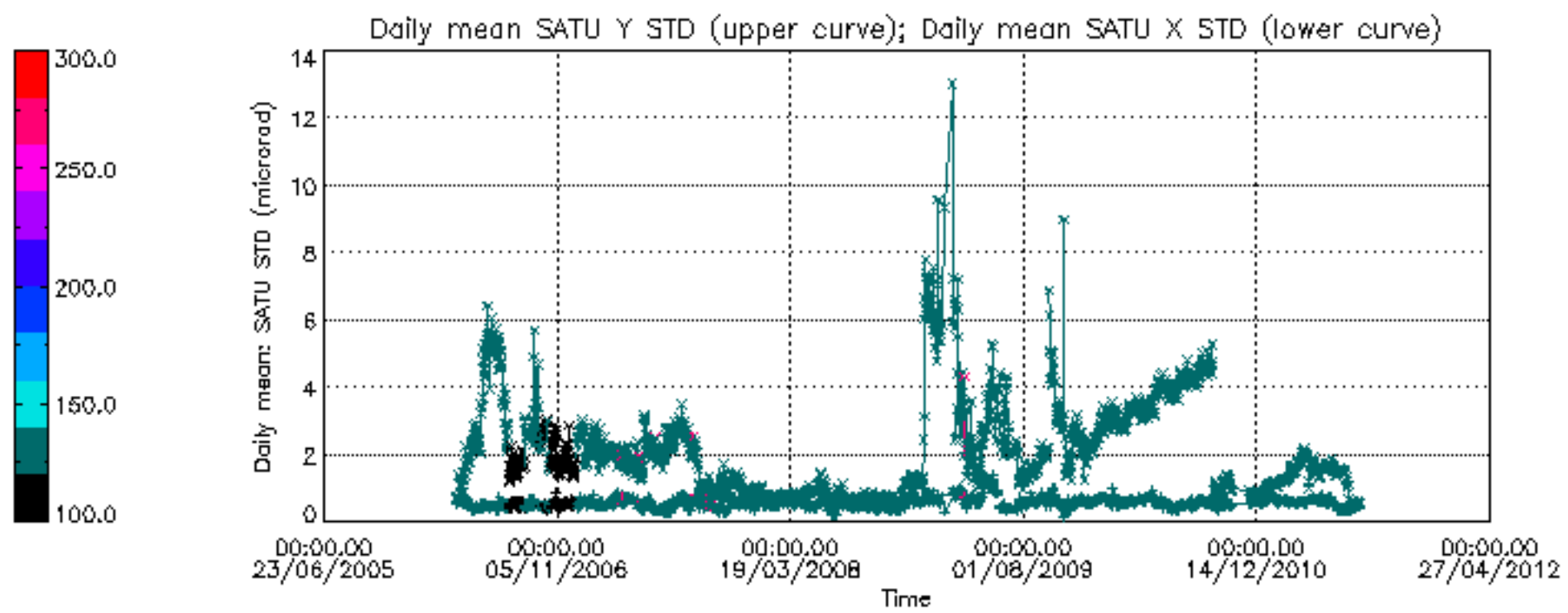


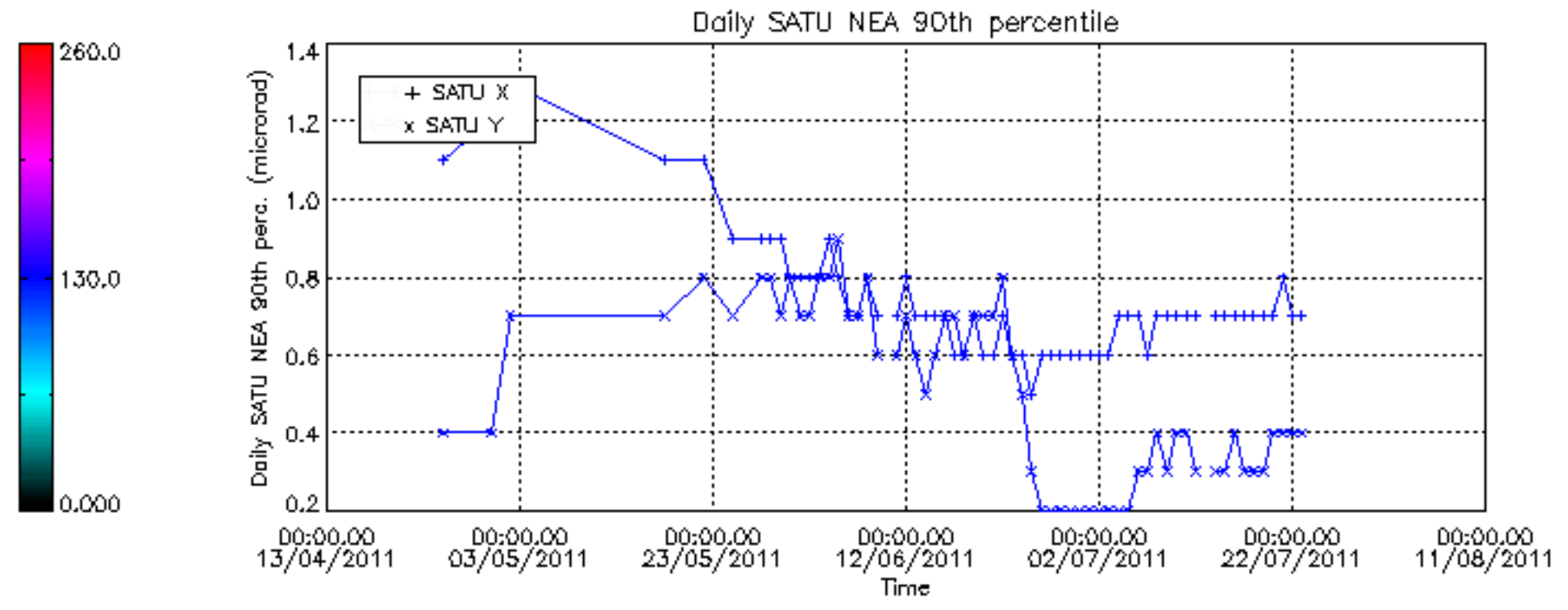
Tangent altitude at which the star is lost











```

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__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
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 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
 9; -519.6; 01-JUL-2011 04:14:54; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48811
10; 105.4; 01-JUL-2011 04:25:19; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;48812
11; 492.2; 01-JUL-2011 04:31:46; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48812
12; 607.4; 01-JUL-2011 04:33:41; Dark ; 52.5; 31; Alp Gru ; 1.73; 15200;occ; 105; 0;48812
13; 744.7; 01-JUL-2011 04:35:58; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48812
14; 1309.2; 01-JUL-2011 04:45:23; Dark ; 44.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 89; 0;48812
15; 1472.7; 01-JUL-2011 04:48:06; Bright; 43.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 87; 0;48812
16; 1969.8; 01-JUL-2011 04:56:23; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48812
17; 2108.5; 01-JUL-2011 04:58:42; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48812
18; 2210.4; 01-JUL-2011 05:00:24; Bright; 46.5; 168; 17Zet Aql ; 2.99; 11000;occ; 93; 0;48812
19; 2629.8; 01-JUL-2011 05:07:23; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48812
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21; 2893.6; 01-JUL-2011 05:11:47; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;48812
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