

GOMOS Daily Report 29-JAN-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	01FEB2011 04:54:56
Data source version	GOMOS/5.01
Start time of products	29JAN2011 00:03:13
Stop time of products	29JAN2011 23:58:10
Store outputs in DB	Yes
Nb of level 1b prods	118
Nb of prods with errors	0

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

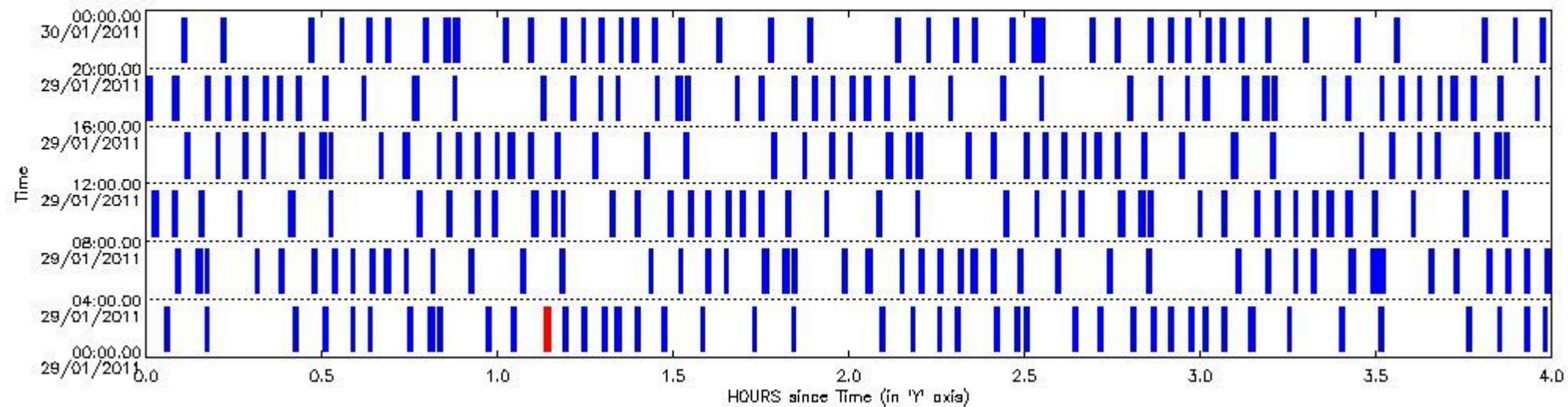
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

UTC start time	Star name	Star ID	Orbit
29-JAN-2011 01:07:52	GamLup	131	46611

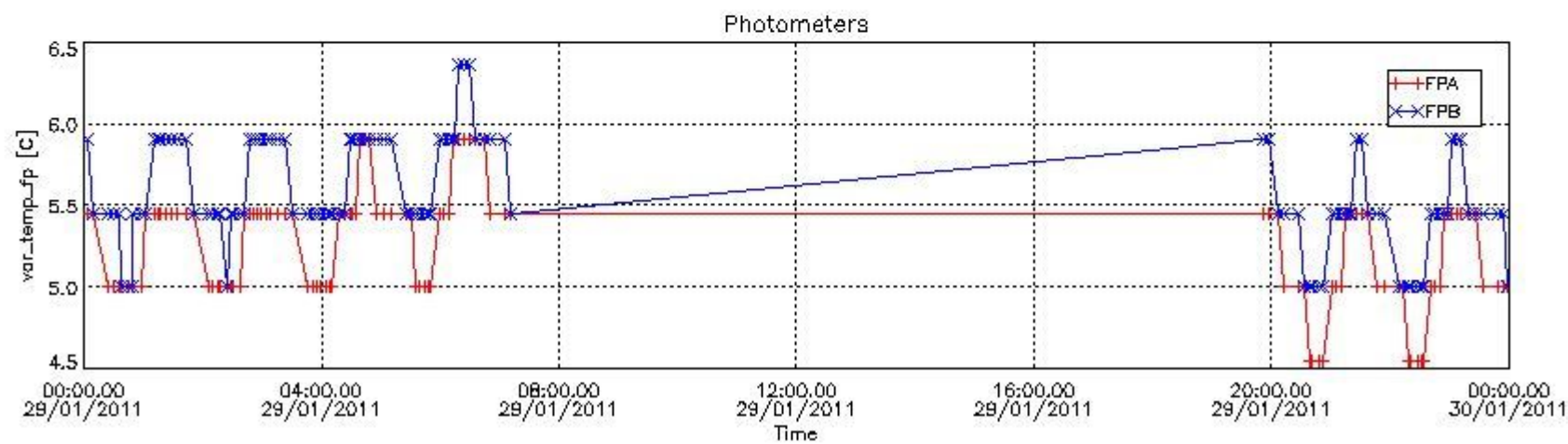
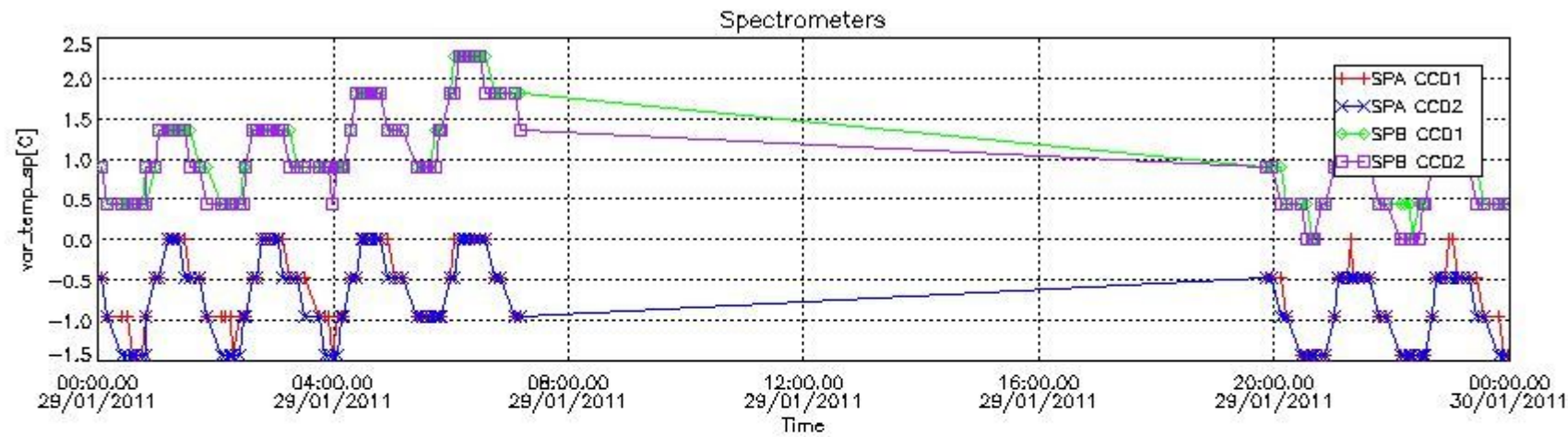
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110129_000313_000000493099_00045_46611_7458.N1	29-JAN-2011 00:03:13	Twilight_stray	49.000	8	10Alp CMi	0.40000	6500.0	98	46611	No
2	GOM_TRA_1PNPDE20110129_000959_000000433099_00045_46611_7459.N1	29-JAN-2011 00:09:59	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	46611	No
3	GOM_TRA_1PNPDE20110129_002507_000000473099_00045_46611_7460.N1	29-JAN-2011 00:25:07	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	46611	No
4	GOM_TRA_1PNPDE20110129_003017_000000413099_00045_46611_7461.N1	29-JAN-2011 00:30:17	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	46611	No
5	GOM_TRA_1PNPDE20110129_003456_000000393099_00045_46611_7462.N1	29-JAN-2011 00:34:56	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46611	No
6	GOM_TRA_1PNPDE20110129_003800_000000353099_00045_46611_7463.N1	29-JAN-2011 00:38:00	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	46611	No
7	GOM_TRA_1PNPDE20110129_004432_000000613099_00045_46611_7464.N1	29-JAN-2011 00:44:32	Bright	61.000	133	40Zet Her	2.8070	6000.0	122	46611	No
8	GOM_TRA_1PNPDE20110129_004802_000000643099_00045_46611_7465.N1	29-JAN-2011 00:48:02	Bright	64.000	127	27Bet Her	2.7810	4700.0	128	46611	No
9	GOM_TRA_1PNPDE20110129_004937_000000543099_00045_46611_7466.N1	29-JAN-2011 00:49:37	Bright	54.000	59	55Alp Oph	2.0800	8900.0	108	46611	No
10	GOM_TRA_1PNPDE20110129_005804_000000453099_00045_46611_7467.N1	29-JAN-2011 00:58:04	Twilight_stray	45.000	86	35Eta Oph	2.4300	10200.0	90	46611	No

11	GOM_TRA_1PNPDE20110129_010214_000000503099_00045_46611_7495.N1	29-JAN-2011 01:02:14	Dark	49.500	16	21Alp Sco	1.0200	3000.0	99	46611	No
12	GOM_TRA_1PNPDE20110129_011113_000000473099_00046_46612_7496.N1	29-JAN-2011 01:11:13	Dark	47.000	81	Eta Cen	2.3560	28000.	94	46612	No
13	GOM_TRA_1PNPDE20110129_011425_000000463099_00046_46612_7497.N1	29-JAN-2011 01:14:25	Dark	45.500	10	Bet Cen	0.61000	28000.	91	46612	No
14	GOM_TRA_1PNPDE20110129_011749_000000523099_00046_46612_7498.N1	29-JAN-2011 01:17:49	Dark	52.000	12	Alp1Cru	0.77500	30000.	104	46612	No
15	GOM_TRA_1PNPDE20110129_012329_000000513099_00046_46612_7499.N1	29-JAN-2011 01:23:29	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	46612	No
16	GOM_TRA_1PNPDE20110129_012803_000000483099_00046_46612_7500.N1	29-JAN-2011 01:28:03	Dark	48.000	65	Lam Vel	2.2040	4400.0	96	46612	No
17	GOM_TRA_1PNPDE20110129_013437_000000443099_00046_46612_7501.N1	29-JAN-2011 01:34:37	Straylight	44.000	132	15Rho Pup	2.8030	6900.0	88	46612	No
18	GOM_TRA_1PNPDE20110129_014327_000000463099_00046_46612_7502.N1	29-JAN-2011 01:43:27	Tw_i_and_stray	46.000	8	10Alp CMi	0.40000	6500.0	92	46612	No
19	GOM_TRA_1PNPDE20110129_015013_000000413099_00046_46612_7503.N1	29-JAN-2011 01:50:13	Bright	41.000	17	78Bet Gem	1.1610	4500.0	82	46612	No
20	GOM_TRA_1PNPDE20110129_020520_000000433099_00046_46612_7504.N1	29-JAN-2011 02:05:20	Bright	43.000	36	50Alp UMa	1.8000	6300.0	86	46612	No
21	GOM_TRA_1PNPDE20110129_021031_000000403099_00046_46612_7505.N1	29-JAN-2011 02:10:31	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46612	No
22	GOM_TRA_1PNPDE20110129_021510_000000403099_00046_46612_7506.N1	29-JAN-2011 02:15:10	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46612	No
23	GOM_TRA_1PNPDE20110129_021814_000000373099_00046_46612_7507.N1	29-JAN-2011 02:18:14	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	46612	No
24	GOM_TRA_1PNPDE20110129_022447_000000553099_00046_46612_7508.N1	29-JAN-2011 02:24:47	Bright	54.500	133	40Zet Her	2.8070	6000.0	109	46612	No
25	GOM_TRA_1PNPDE20110129_022816_000000443099_00046_46612_7509.N1	29-JAN-2011 02:28:16	Bright	44.000	127	27Bet Her	2.7810	4700.0	88	46612	No
26	GOM_TRA_1PNPDE20110129_022951_000000543099_00046_46612_7510.N1	29-JAN-2011 02:29:51	Bright	54.000	59	55Alp Oph	2.0800	8900.0	108	46612	No
27	GOM_TRA_1PNPDE20110129_023819_000000453099_00046_46612_7511.N1	29-JAN-2011 02:38:19	Tw_i_and_stray	44.500	86	35Eta Oph	2.4300	10200.	89	46612	No
28	GOM_TRA_1PNPDE20110129_024229_000000533099_00046_46612_7512.N1	29-JAN-2011 02:42:29	Dark	52.500	16	21Alp Sco	1.0200	3000.0	105	46612	No
29	GOM_TRA_1PNPDE20110129_024810_000000433099_00046_46612_7513.N1	29-JAN-2011 02:48:10	Dark	42.500	131	Gam Lup	2.8000	26000.	85	46612	No
30	GOM_TRA_1PNPDE20110129_025129_000000503099_00047_46613_7514.N1	29-JAN-2011 02:51:29	Dark	50.000	81	Eta Cen	2.3560	28000.	100	46613	No
31	GOM_TRA_1PNPDE20110129_025439_000000453099_00047_46613_7515.N1	29-JAN-2011 02:54:39	Dark	44.500	10	Bet Cen	0.61000	28000.	89	46613	No
32	GOM_TRA_1PNPDE20110129_025804_000000443099_00047_46613_7516.N1	29-JAN-2011 02:58:04	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	46613	No
33	GOM_TRA_1PNPDE20110129_030344_000000513099_00047_46613_7517.N1	29-JAN-2011 03:03:44	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	46613	No
34	GOM_TRA_1PNPDE20110129_030818_000000533099_00047_46613_7518.N1	29-JAN-2011 03:08:18	Dark	52.500	65	Lam Vel	2.2040	4400.0	105	46613	No
35	GOM_TRA_1PNPDE20110129_031451_000000423099_00047_46613_7519.N1	29-JAN-2011 03:14:51	Straylight	42.000	132	15Rho Pup	2.8030	6900.0	84	46613	No
36	GOM_TRA_1PNPDE20110129_032341_000000473099_00047_46613_7520.N1	29-JAN-2011 03:23:41	Tw_i_and_stray	46.500	8	10Alp CMi	0.40000	6500.0	93	46613	No
37	GOM_TRA_1PNPDE20110129_033027_000000443099_00047_46613_7521.N1	29-JAN-2011 03:30:27	Bright	43.500	17	78Bet Gem	1.1610	4500.0	87	46613	No
38	GOM_TRA_1PNPDE20110129_034534_000000463099_00047_46613_7522.N1	29-JAN-2011 03:45:34	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	46613	No
39	GOM_TRA_1PNPDE20110129_035045_000000413099_00047_46613_7517.N1	29-JAN-2011 03:50:45	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	46613	No
40	GOM_TRA_1PNPDE20110129_035523_000000403099_00047_46613_7518.N1	29-JAN-2011 03:55:23	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46613	No
41	GOM_TRA_1PNPDE20110129_035828_000000373099_00047_46613_7519.N1	29-JAN-2011 03:58:28	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	46613	No
42	GOM_TRA_1PNPDE20110129_040501_000000423099_00047_46613_7520.N1	29-JAN-2011 04:05:01	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	46613	No
43	GOM_TRA_1PNPDE20110129_040830_000000643099_00047_46613_7521.N1	29-JAN-2011 04:08:30	Bright	64.000	127	27Bet Her	2.7810	4700.0	128	46613	No
44	GOM_TRA_1PNPDE20110129_041005_000000363099_00047_46613_7522.N1	29-JAN-2011 04:10:05	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	46613	No
45	GOM_TRA_1PNPDE20110129_041833_000000433099_00047_46613_7523.N1	29-JAN-2011 04:18:33	Tw_i_and_stray	43.000	86	35Eta Oph	2.4300	10200.	86	46613	No
46	GOM_TRA_1PNPDE20110129_042243_000000493099_00047_46613_7524.N1	29-JAN-2011 04:22:43	Dark	48.500	16	21Alp Sco	1.0200	3000.0	97	46613	No
47	GOM_TRA_1PNPDE20110129_042825_000000433099_00047_46613_7525.N1	29-JAN-2011 04:28:25	Dark	43.000	131	Gam Lup	2.8000	26000.	86	46613	No
48	GOM_TRA_1PNPDE20110129_043143_000000473099_00048_46614_7526.N1	29-JAN-2011 04:31:43	Dark	46.500	81	Eta Cen	2.3560	28000.	93	46614	No
49	GOM_TRA_1PNPDE20110129_043454_000000423099_00048_46614_7527.N1	29-JAN-2011 04:34:54	Dark	42.000	10	Bet Cen	0.61000	28000.	84	46614	No
50	GOM_TRA_1PNPDE20110129_043819_000000423099_00048_46614_7528.N1	29-JAN-2011 04:38:19	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	46614	No
51	GOM_TRA_1PNPDE20110129_044359_000000453099_00048_46614_7529.N1	29-JAN-2011 04:43:59	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	46614	No
52	GOM_TRA_1PNPDE20110129_044832_000000433099_00048_46614_7530.N1	29-JAN-2011 04:48:32	Dark	42.500	65	Lam Vel	2.2040	4400.0	85	46614	No
53	GOM_TRA_1PNPDE20110129_045505_000000433099_00048_46614_7531.N1	29-JAN-2011 04:55:05	Straylight	43.000	132	15Rho Pup	2.8030	6900.0	86	46614	No
54	GOM_TRA_1PNPDE20110129_050355_000000523099_00048_46614_7532.N1	29-JAN-2011 05:03:55	Tw_i_and_stray	51.500	8	10Alp CMi	0.40000	6500.0	103	46614	No
55	GOM_TRA_1PNPDE20110129_051041_000000423099_00048_46614_7533.N1	29-JAN-2011 05:10:41	Bright	42.000	17	78Bet Gem	1.1610	4500.0	84	46614	No
56	GOM_TRA_1PNPDE20110129_052547_000000463099_00048_46614_7534.N1	29-JAN-2011 05:25:47	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	46614	No
57	GOM_TRA_1PNPDE20110129_053059_000000403099_00048_46614_7535.N1	29-JAN-2011 05:30:59	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46614	No
58	GOM_TRA_1PNPDE20110129_053537_000000373099_00048_46614_7534.N1	29-JAN-2011 05:35:37	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	46614	No
59	GOM_TRA_1PNPDE20110129_053842_000000393099_00048_46614_7535.N1	29-JAN-2011 05:38:42	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	46614	No
60	GOM_TRA_1PNPDE20110129_054515_000000613099_00048_46614_7536.N1	29-JAN-2011 05:45:15	Bright	61.000	133	40Zet Her	2.8070	6000.0	122	46614	No
61	GOM_TRA_1PNPDE20110129_054845_000000643099_00048_46614_7537.N1	29-JAN-2011 05:48:45	Bright	64.000	127	27Bet Her	2.7810	4700.0	128	46614	No
62	GOM_TRA_1PNPDE20110129_055020_000000373099_00048_46614_7538.N1	29-JAN-2011 05:50:20	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	46614	No
63	GOM_TRA_1PNPDE20110129_055847_000000443099_00048_46614_7539.N1	29-JAN-2011 05:58:47	Tw_i_and_stray	44.000	86	35Eta Oph	2.4300	10200.	88	46614	No
64	GOM_TRA_1PNPDE20110129_060258_000000533099_00048_46614_7540.N1	29-JAN-2011 06:02:58	Dark	53.000	16	21Alp Sco	1.0200	3000.0	106	46614	No
65	GOM_TRA_1PNPDE20110129_060840_000000423099_00048_46614_7541.N1	29-JAN-2011 06:08:40	Dark	42.000	131	Gam Lup	2.8000	26000.	84	46614	No
66	GOM_TRA_1PNPDE20110129_061159_000000493099_00049_46615_7542.N1	29-JAN-2011 06:11:59	Dark	48.500	81	Eta Cen	2.3560	28000.	97	46615	No
67	GOM_TRA_1PNPDE20110129_061509_000000493099_00049_46615_7543.N1	29-JAN-2011 06:15:09	Dark	49.000	10	Bet Cen	0.61000	28000.	98	46615	No
68	GOM_TRA_1PNPDE20110129_061833_000000483099_00049_46615_7544.N1	29-JAN-2011 06:18:33	Dark	47.500	12	Alp1Cru	0.77500	30000.	95	46615	No
69	GOM_TRA_1PNPDE20110129_062413_000000513099_00049_46615_7545.N1	29-JAN-2011 06:24:13	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	46615	No

70	GOM_TRA_1PNPDE20110129_062847_000000493099_00049_46615_7546.N1	29-JAN-2011 06:28:47	Dark	49.000	65	Lam Vel	2.2040	4400.0	98	46615	No
71	GOM_TRA_1PNPDE20110129_063519_000000443099_00049_46615_7547.N1	29-JAN-2011 06:35:19	Straylight	43.500	132	15Rho Pup	2.8030	6900.0	87	46615	No
72	GOM_TRA_1PNPDE20110129_064410_000000473099_00049_46615_7548.N1	29-JAN-2011 06:44:10	Twilight_stray	47.000	8	10Alp CMi	0.40000	6500.0	94	46615	No
73	GOM_TRA_1PNPDE20110129_065055_000000413099_00049_46615_7549.N1	29-JAN-2011 06:50:55	Bright	41.000	17	78Bet Gem	1.1610	4500.0	82	46615	No
74	GOM_TRA_1PNPDE20110129_070600_000000473099_00049_46615_7550.N1	29-JAN-2011 07:06:00	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	46615	No
75	GOM_TRA_1PNPDE20110129_071112_000000403099_00049_46615_7551.N1	29-JAN-2011 07:11:12	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46615	No
76	GOM_TRA_1PNPDE20110129_195042_000000503099_00057_46623_7648.N1	29-JAN-2011 19:50:42	Dark	49.500	65	Lam Vel	2.2040	4400.0	99	46623	No
77	GOM_TRA_1PNPDE20110129_195713_000000423099_00057_46623_7649.N1	29-JAN-2011 19:57:13	Straylight	41.500	132	15Rho Pup	2.8030	6900.0	83	46623	No
78	GOM_TRA_1PNPDE20110129_200601_000000543099_00057_46623_7650.N1	29-JAN-2011 20:06:01	Twilight_stray	54.000	8	10Alp CMi	0.40000	6500.0	108	46623	No
79	GOM_TRA_1PNPDE20110129_201245_000000423099_00057_46623_7651.N1	29-JAN-2011 20:12:45	Bright	42.000	17	78Bet Gem	1.1610	4500.0	84	46623	No
80	GOM_TRA_1PNPDE20110129_202747_000000473099_00057_46623_7652.N1	29-JAN-2011 20:27:47	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	46623	No
81	GOM_TRA_1PNPDE20110129_203302_000000423099_00057_46623_7653.N1	29-JAN-2011 20:33:02	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	46623	No
82	GOM_TRA_1PNPDE20110129_203742_000000413099_00057_46623_7654.N1	29-JAN-2011 20:37:42	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	46623	No
83	GOM_TRA_1PNPDE20110129_204048_000000553099_00057_46623_7655.N1	29-JAN-2011 20:40:48	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	46623	No
84	GOM_TRA_1PNPDE20110129_204722_000000423099_00057_46623_7656.N1	29-JAN-2011 20:47:22	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	46623	No
85	GOM_TRA_1PNPDE20110129_205053_000000653099_00057_46623_7657.N1	29-JAN-2011 20:50:53	Bright	65.000	127	27Bet Her	2.7810	4700.0	130	46623	No
86	GOM_TRA_1PNPDE20110129_205228_000000533099_00057_46623_7658.N1	29-JAN-2011 20:52:28	Bright	52.500	59	55Alp Oph	2.0800	8900.0	105	46623	No
87	GOM_TRA_1PNPDE20110129_210058_000000473099_00057_46623_7668.N1	29-JAN-2011 21:00:58	Twilight_stray	46.500	86	35Eta Oph	2.4300	10200.	93	46623	No
88	GOM_TRA_1PNPDE20110129_210510_000000563099_00057_46623_7669.N1	29-JAN-2011 21:05:10	Dark	56.000	16	21Alp Sco	1.0200	3000.0	112	46623	No
89	GOM_TRA_1PNPDE20110129_211053_000000443099_00057_46623_7670.N1	29-JAN-2011 21:10:53	Dark	43.500	131	Gam Lup	2.8000	26000.	87	46623	No
90	GOM_TRA_1PNPDE20110129_211414_000000473099_00058_46624_7671.N1	29-JAN-2011 21:14:14	Dark	47.000	81	Eta Cen	2.3560	28000.	94	46624	No
91	GOM_TRA_1PNPDE20110129_211720_000000423099_00058_46624_7672.N1	29-JAN-2011 21:17:20	Dark	41.500	10	Bet Cen	0.61000	28000.	83	46624	No
92	GOM_TRA_1PNPDE20110129_212044_000000423099_00058_46624_7673.N1	29-JAN-2011 21:20:44	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	46624	No
93	GOM_TRA_1PNPDE20110129_212625_000000513099_00058_46624_7674.N1	29-JAN-2011 21:26:25	Dark	51.000	113	Mu Vel	2.6920	5000.0	102	46624	No
94	GOM_TRA_1PNPDE20110129_213056_000000473099_00058_46624_7675.N1	29-JAN-2011 21:30:56	Dark	47.000	65	Lam Vel	2.2040	4400.0	94	46624	No
95	GOM_TRA_1PNPDE20110129_213727_000000403099_00058_46624_7676.N1	29-JAN-2011 21:37:27	Straylight	39.500	132	15Rho Pup	2.8030	6900.0	79	46624	No
96	GOM_TRA_1PNPDE20110129_214615_000000543099_00058_46624_7677.N1	29-JAN-2011 21:46:15	Twilight_stray	53.500	8	10Alp CMi	0.40000	6500.0	107	46624	No
97	GOM_TRA_1PNPDE20110129_215259_000000433099_00058_46624_7678.N1	29-JAN-2011 21:52:59	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	46624	No
98	GOM_TRA_1PNPDE20110129_220800_000000483099_00058_46624_7679.N1	29-JAN-2011 22:08:00	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	46624	No
99	GOM_TRA_1PNPDE20110129_221316_000000383099_00058_46624_7680.N1	29-JAN-2011 22:13:16	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46624	No
100	GOM_TRA_1PNPDE20110129_221756_000000403099_00058_46624_7681.N1	29-JAN-2011 22:17:56	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	46624	No
101	GOM_TRA_1PNPDE20110129_222102_000000553099_00058_46624_7682.N1	29-JAN-2011 22:21:02	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	46624	No
102	GOM_TRA_1PNPDE20110129_222736_000000433099_00058_46624_7683.N1	29-JAN-2011 22:27:36	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	46624	No
103	GOM_TRA_1PNPDE20110129_223108_000000653099_00058_46624_7684.N1	29-JAN-2011 22:31:08	Bright	65.000	127	27Bet Her	2.7810	4700.0	130	46624	No
104	GOM_TRA_1PNPDE20110129_223242_000000383099_00058_46624_7685.N1	29-JAN-2011 22:32:42	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	46624	No
105	GOM_TRA_1PNPDE20110129_224112_000000433099_00058_46624_7686.N1	29-JAN-2011 22:41:12	Twilight_stray	43.000	86	35Eta Oph	2.4300	10200.	86	46624	No
106	GOM_TRA_1PNPDE20110129_224524_000000593099_00058_46624_7690.N1	29-JAN-2011 22:45:24	Dark	58.500	16	21Alp Sco	1.0200	3000.0	117	46624	No
107	GOM_TRA_1PNPDE20110129_225108_000000433099_00058_46624_7691.N1	29-JAN-2011 22:51:08	Dark	43.000	131	Gam Lup	2.8000	26000.	86	46624	No
108	GOM_TRA_1PNPDE20110129_225429_000000493099_00059_46625_7692.N1	29-JAN-2011 22:54:29	Dark	48.500	81	Eta Cen	2.3560	28000.	97	46625	No
109	GOM_TRA_1PNPDE20110129_225734_000000413099_00059_46625_7693.N1	29-JAN-2011 22:57:34	Dark	40.500	10	Bet Cen	0.61000	28000.	81	46625	No
110	GOM_TRA_1PNPDE20110129_230059_000000433099_00059_46625_7694.N1	29-JAN-2011 23:00:59	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	46625	No
111	GOM_TRA_1PNPDE20110129_230639_000000503099_00059_46625_7695.N1	29-JAN-2011 23:06:39	Dark	50.000	113	Mu Vel	2.6920	5000.0	100	46625	No
112	GOM_TRA_1PNPDE20110129_231110_000000523099_00059_46625_7696.N1	29-JAN-2011 23:11:10	Dark	51.500	65	Lam Vel	2.2040	4400.0	103	46625	No
113	GOM_TRA_1PNPDE20110129_231741_000000453099_00059_46625_7697.N1	29-JAN-2011 23:17:41	Straylight	44.500	132	15Rho Pup	2.8030	6900.0	89	46625	No
114	GOM_TRA_1PNPDE20110129_232629_000000493099_00059_46625_7698.N1	29-JAN-2011 23:26:29	Twilight_stray	48.500	8	10Alp CMi	0.40000	6500.0	97	46625	No
115	GOM_TRA_1PNPDE20110129_233313_000000433099_00059_46625_7699.N1	29-JAN-2011 23:33:13	Bright	42.500	17	78Bet Gem	1.1610	4500.0	85	46625	No
116	GOM_TRA_1PNPDE20110129_234814_000000473099_00059_46625_7700.N1	29-JAN-2011 23:48:14	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	46625	No
117	GOM_TRA_1PNPDE20110129_235330_000000393099_00059_46625_7701.N1	29-JAN-2011 23:53:30	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46625	No
118	GOM_TRA_1PNPDE20110129_235810_000000413099_00059_46625_7702.N1	29-JAN-2011 23:58:10	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	46625	No

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



4. Overview of dark signal processing per product

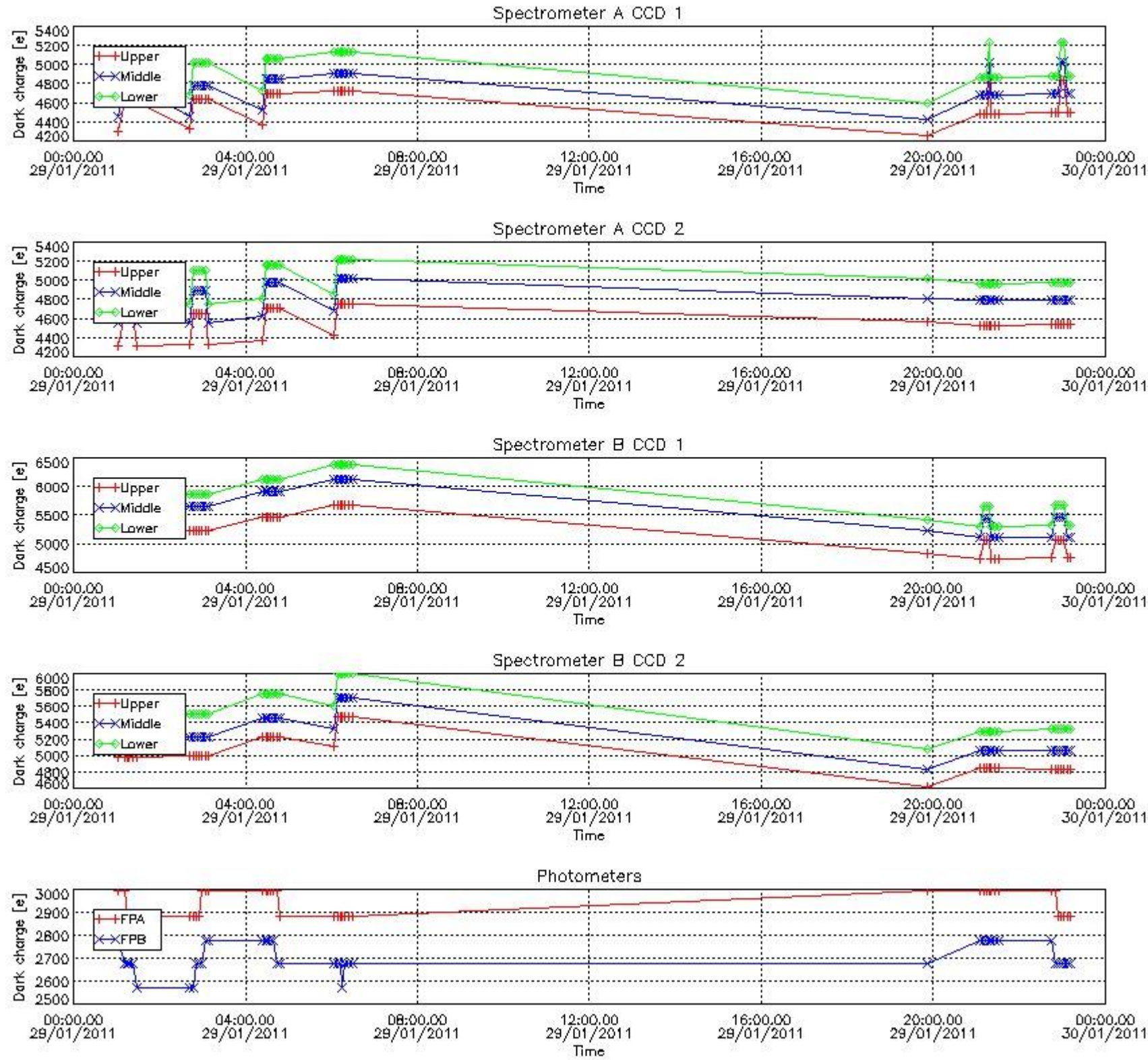
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110129_195042_000000503099_00057_46623_7648.N1	DC map used
GOM_TRA_1PNPDE20110129_195713_000000423099_00057_46623_7649.N1	DC map used
GOM_TRA_1PNPDE20110129_200601_000000543099_00057_46623_7650.N1	DC map used
GOM_TRA_1PNPDE20110129_201245_000000423099_00057_46623_7651.N1	DC map used
GOM_TRA_1PNPDE20110129_202747_000000473099_00057_46623_7652.N1	DC map used
GOM_TRA_1PNPDE20110129_203302_000000423099_00057_46623_7653.N1	DC map used
GOM_TRA_1PNPDE20110129_203742_000000413099_00057_46623_7654.N1	DC map used
GOM_TRA_1PNPDE20110129_204048_000000553099_00057_46623_7655.N1	DC map used
GOM_TRA_1PNPDE20110129_204722_000000423099_00057_46623_7656.N1	DC map used
GOM_TRA_1PNPDE20110129_205053_000000653099_00057_46623_7657.N1	DC map used
GOM_TRA_1PNPDE20110129_205228_000000533099_00057_46623_7658.N1	DC map used

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



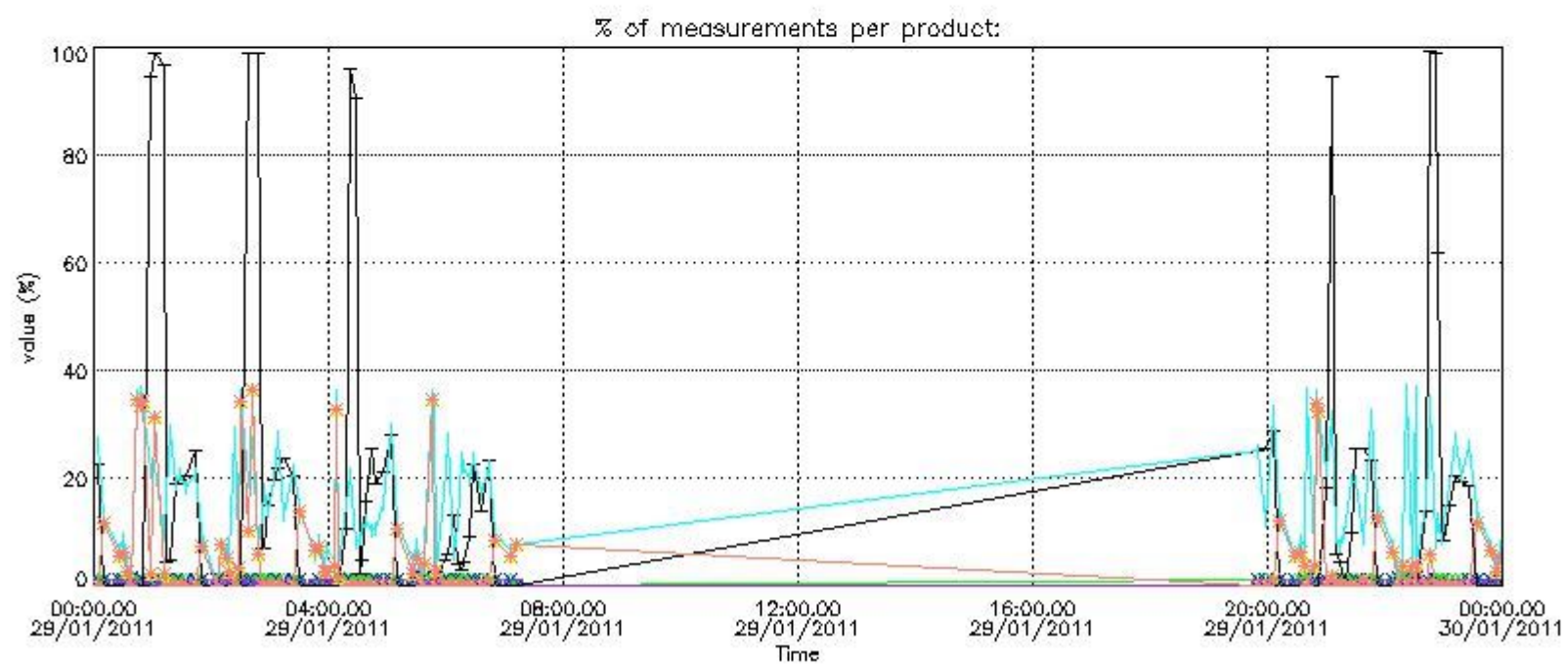
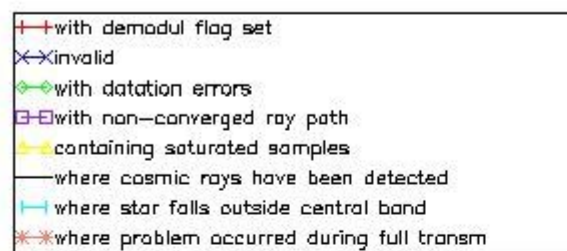
5. Demodulation flag and quality information monitoring

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.

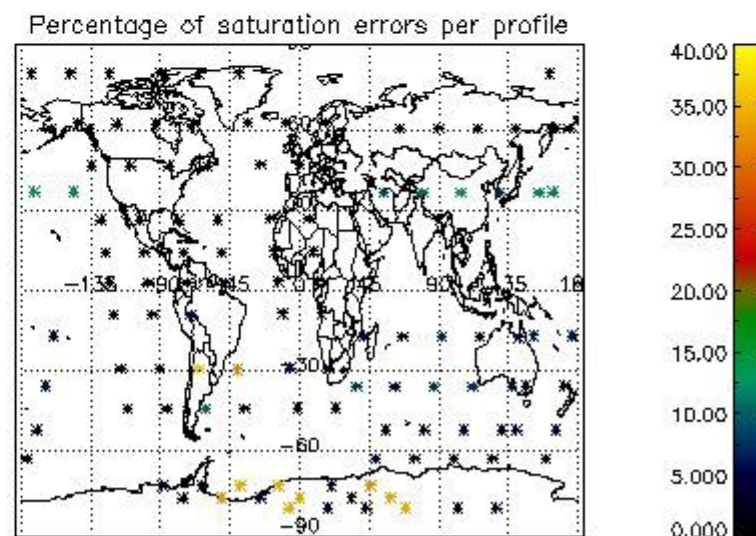
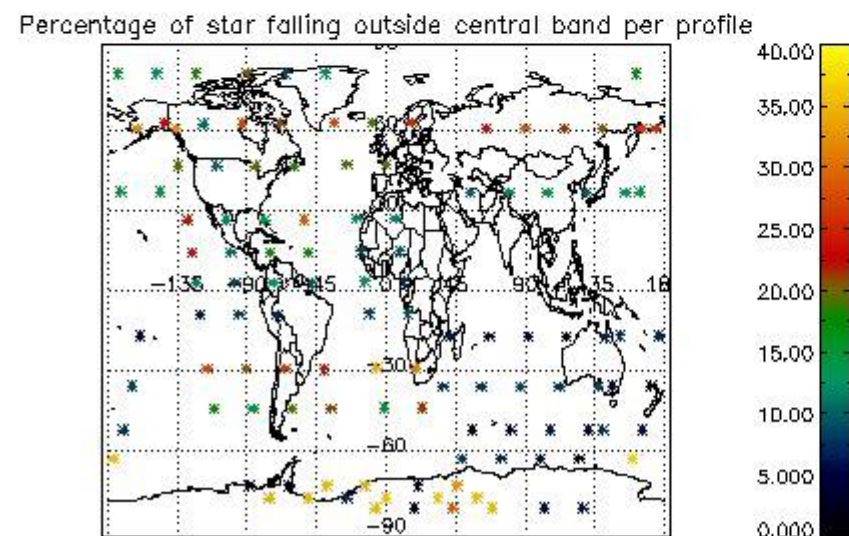
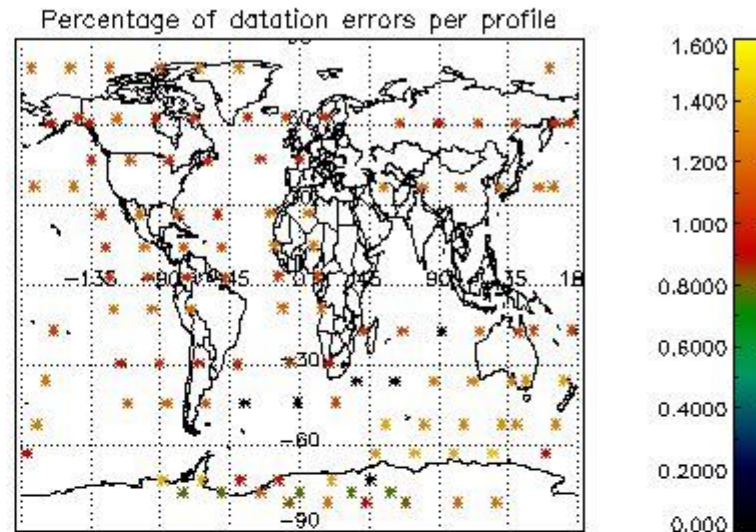
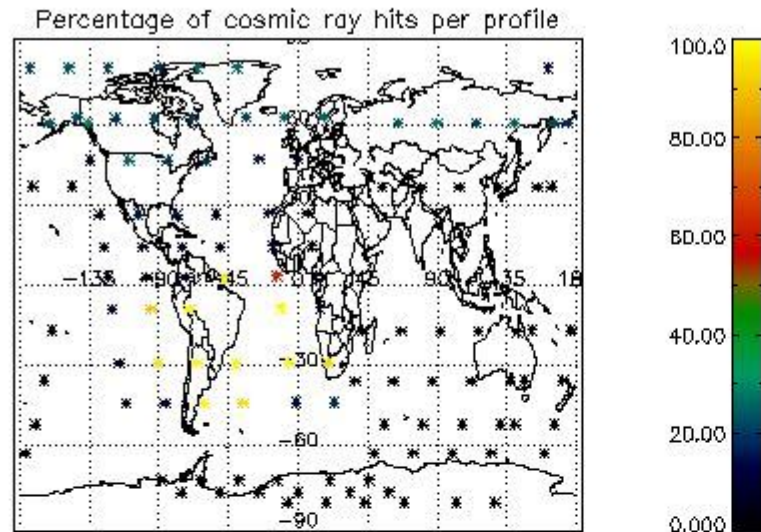
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	41.5254 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



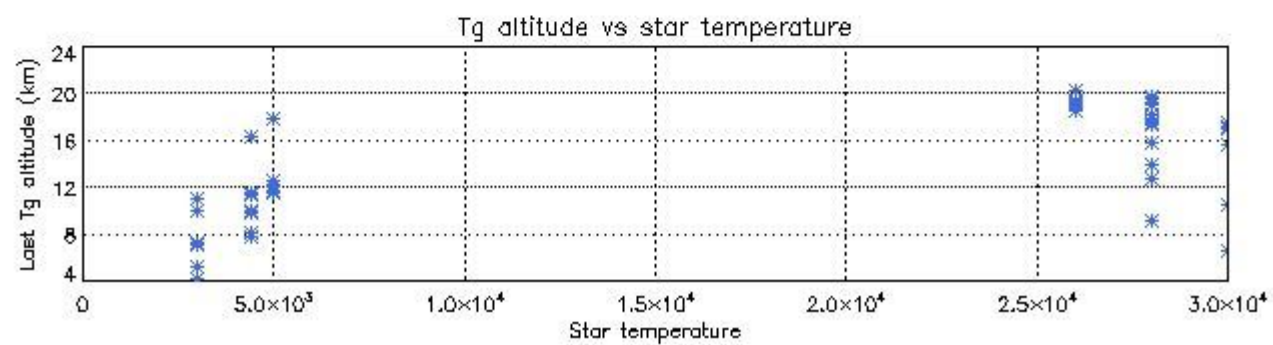
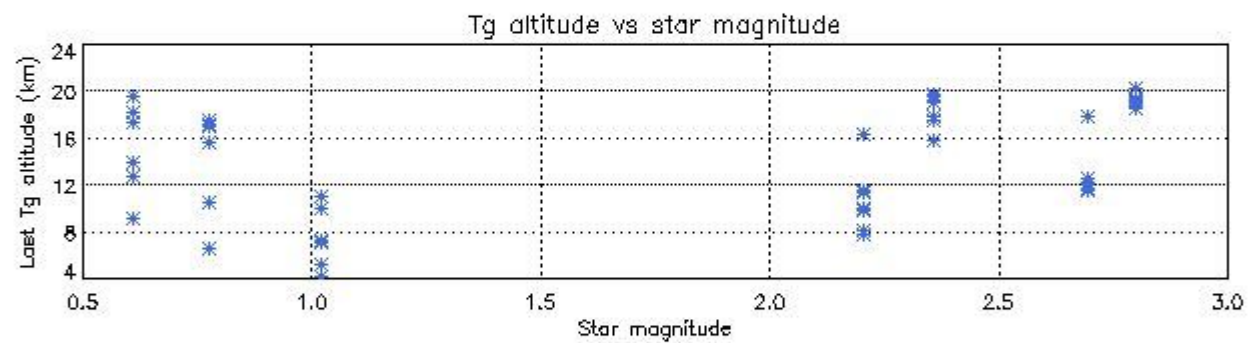
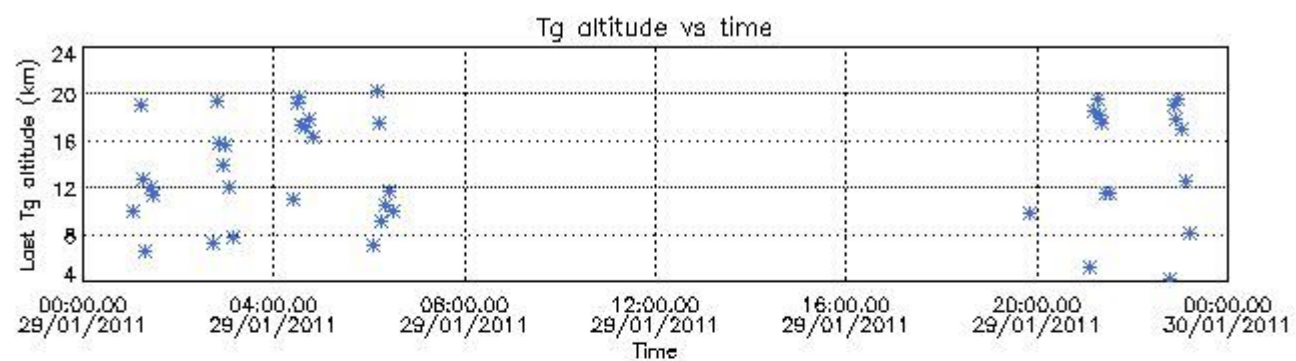
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.774	16.567	NaN
St. deviation:	4.6777	7.3749	NaN
Maximum:	20.233	27.315	NaN
Minimum:	4.2517	3.3481	NaN
Number of data:	42.000	55.000	NaN

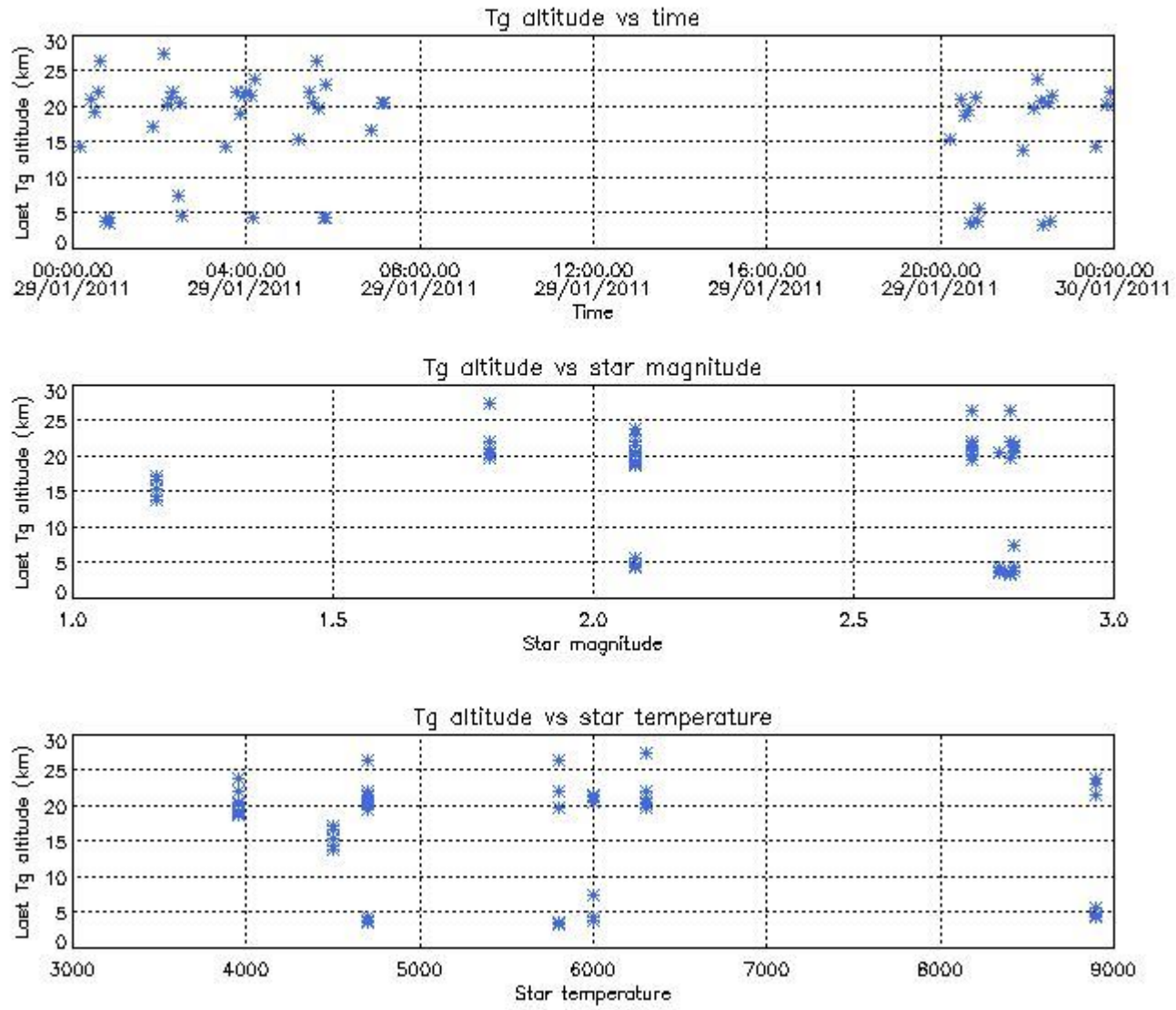
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

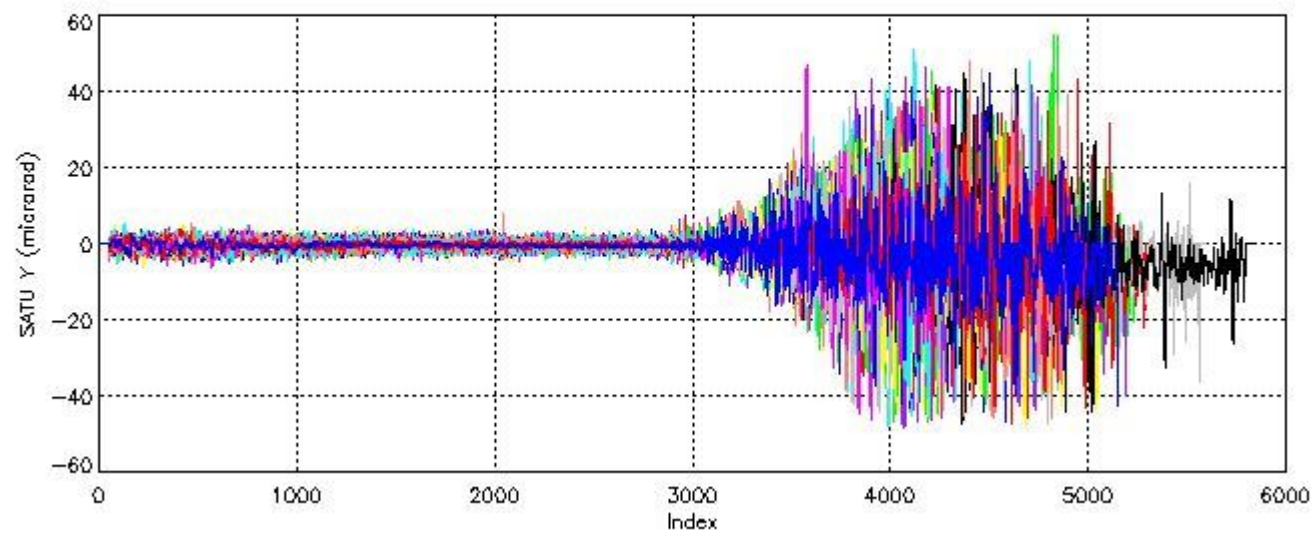
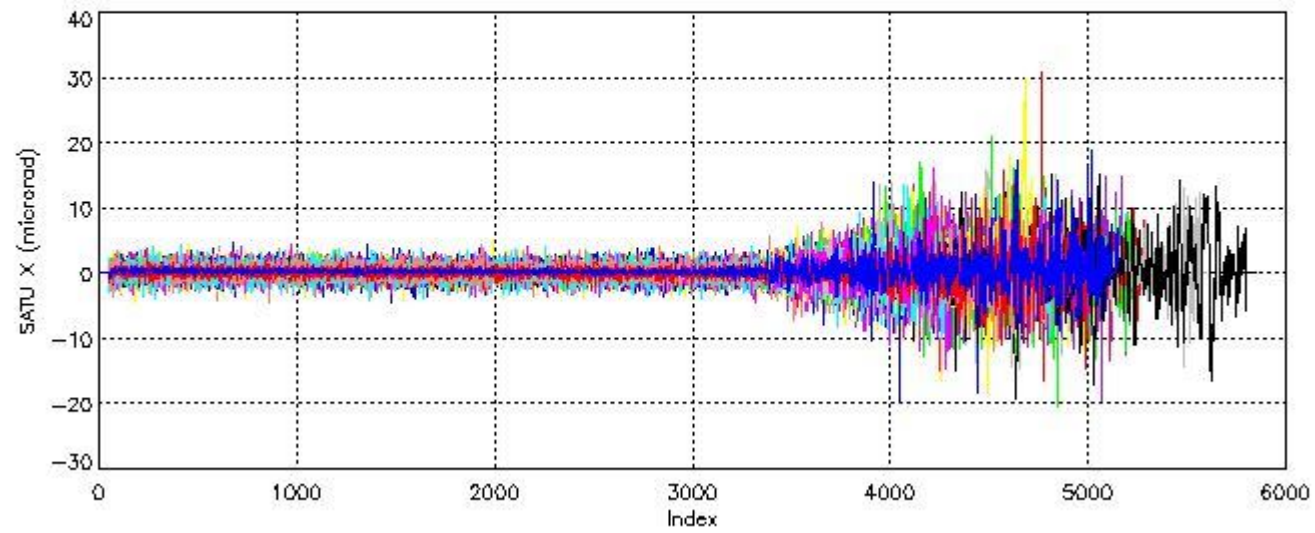


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.19224	-0.40215	0.11330	-0.39127
St. deviation:	0.47969	1.0416	0.55384	0.90628
Maximum:	4.6000	5.4000	3.3000	3.8000
Minimum:	-4.6000	-6.4000	-3.0000	-4.7000

Number of data:	42850.	42850.	53400.	53400.
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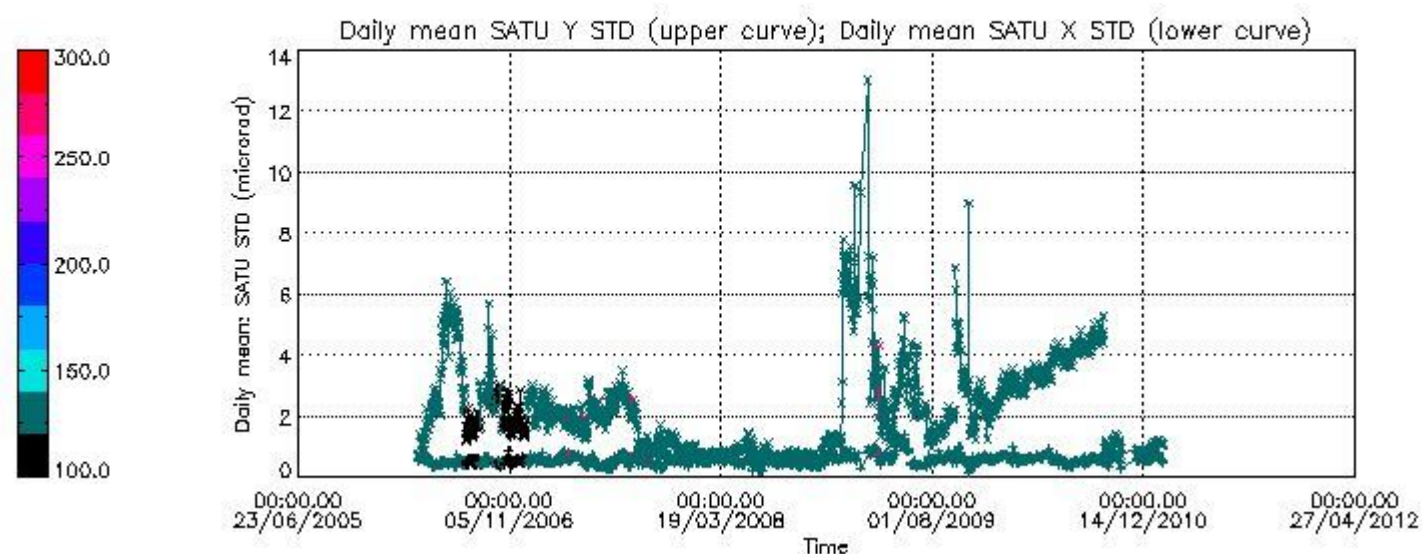
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

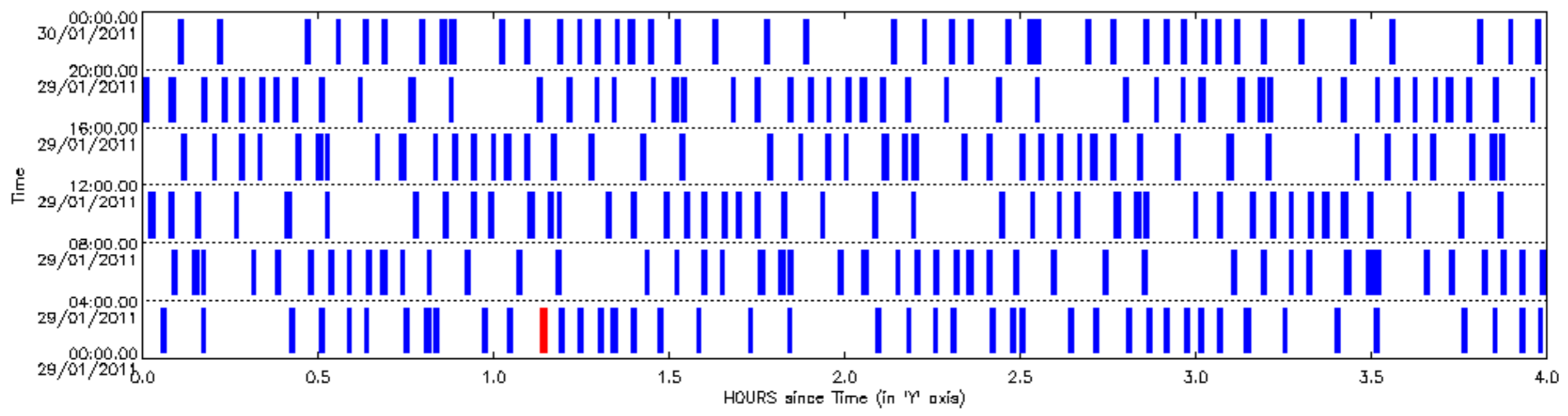
Lower curve: STD of SATU X axis

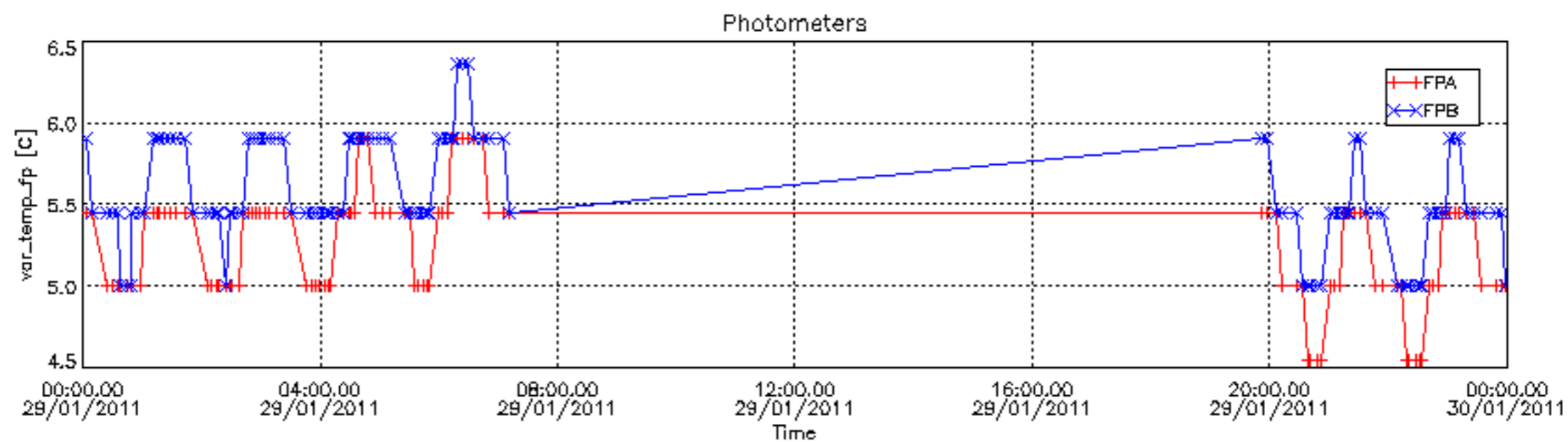
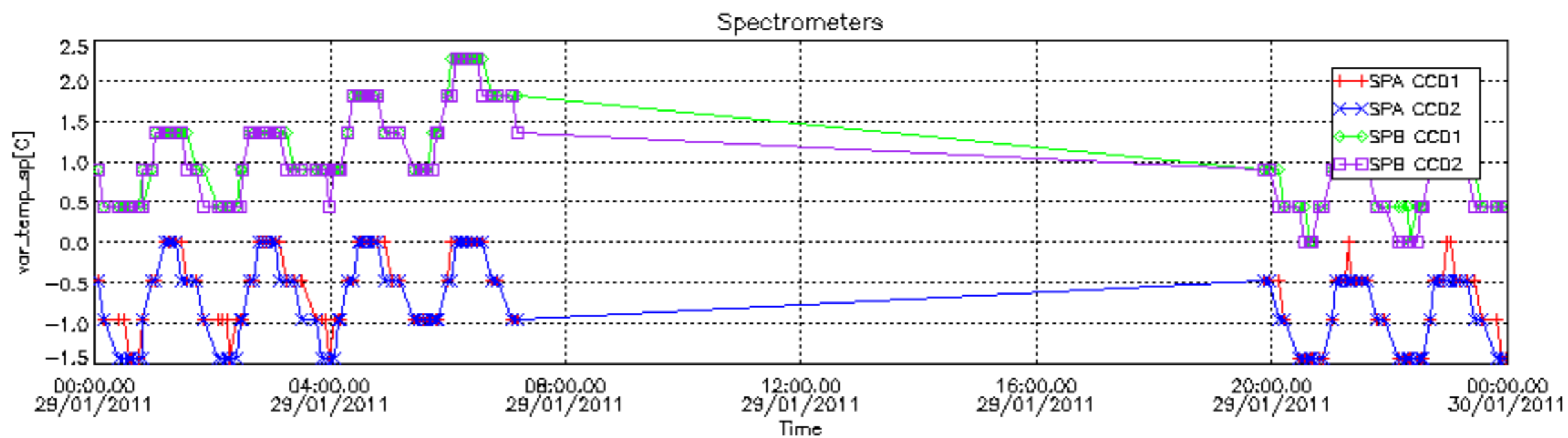


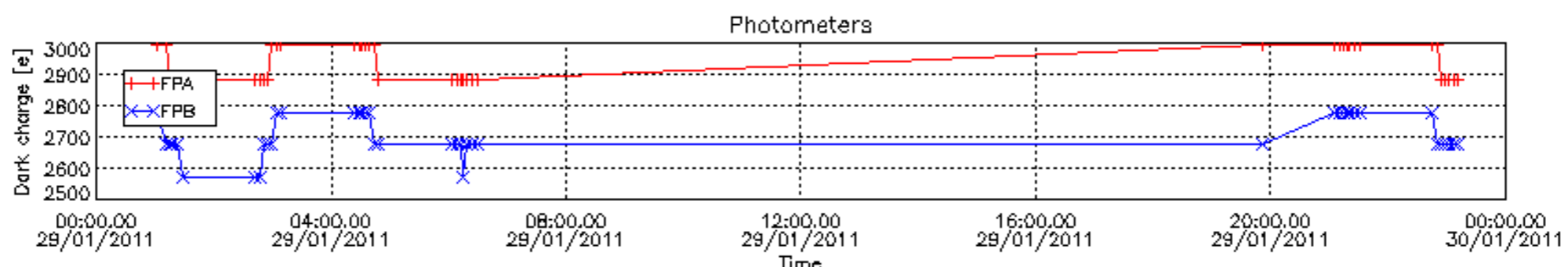
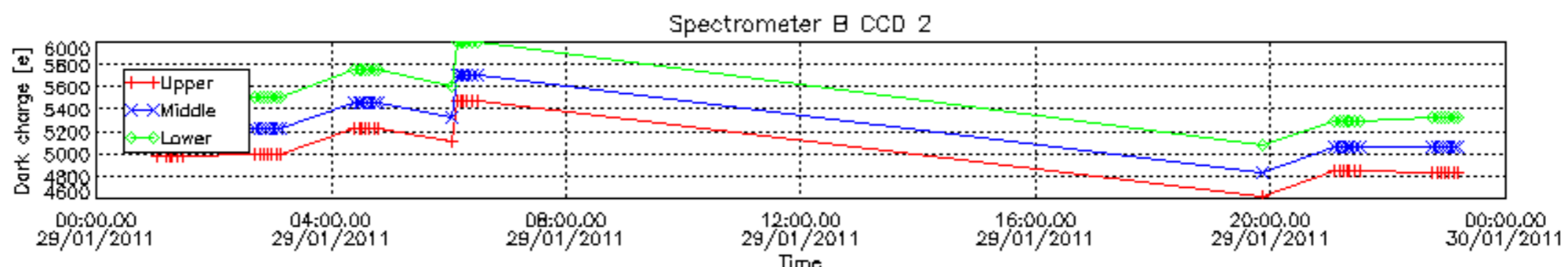
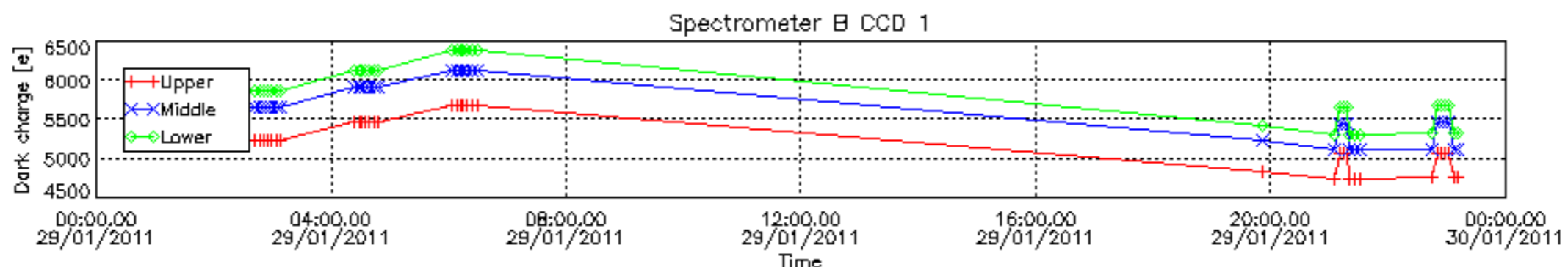
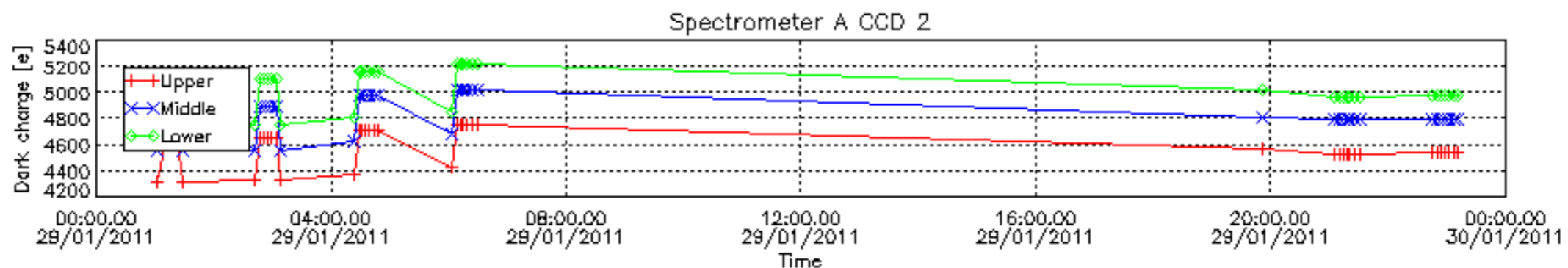
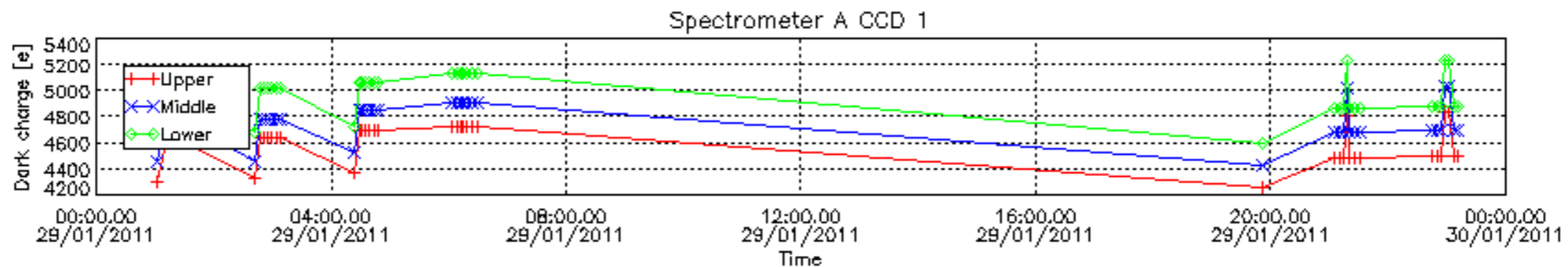
8. Auxiliary Data Files used for the production reported in section 2.4

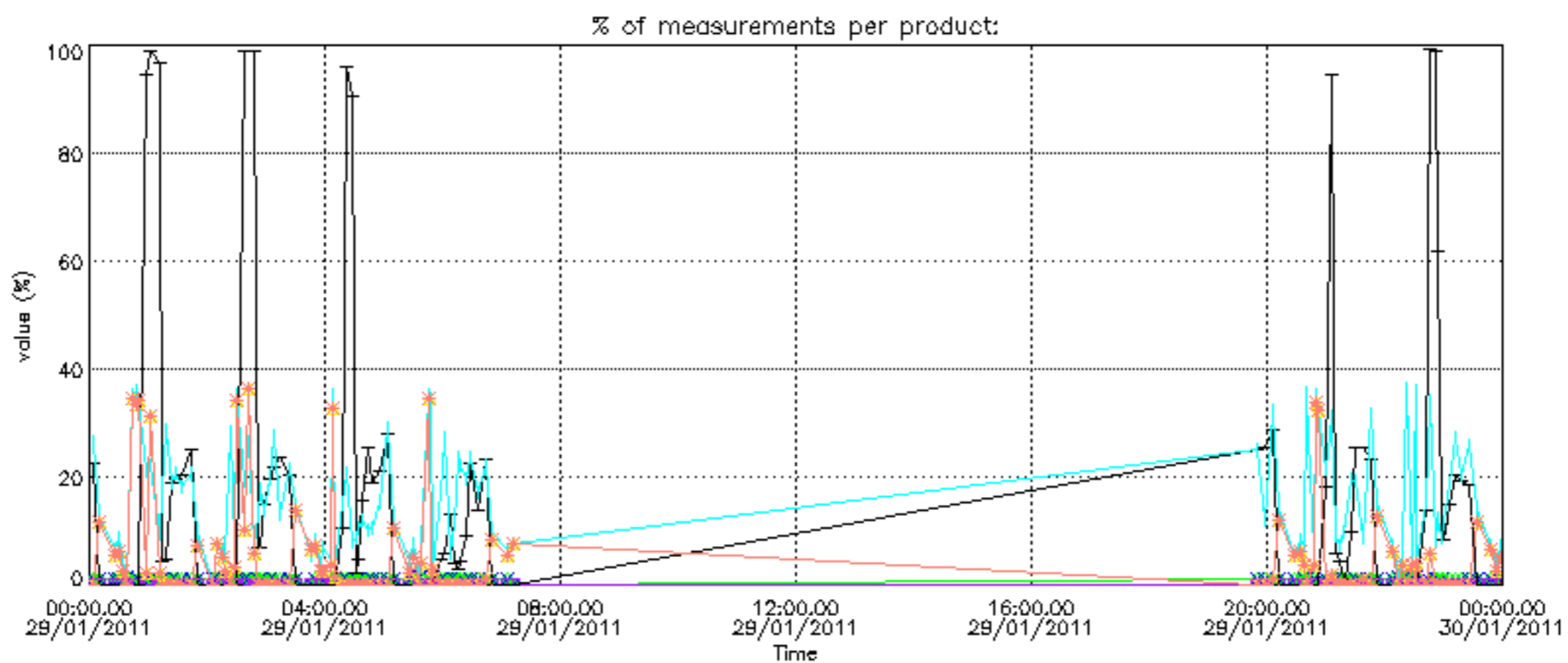
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-JAN-2011 00:03:13
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110125_110046_20110123_000000_20500101_000000	1	29-JAN-2011 00:03:13
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	29-JAN-2011 00:03:13
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-JAN-2011 00:03:13
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	29-JAN-2011 00:03:13
ECMWF_FILE	AUX_ECF_AXNECM20110128_052116_20110128_210000_20110129_090000	1	29-JAN-2011 00:03:13
ECMWF_FILE	AUX_ECF_AXNECM20110128_172117_20110129_030000_20110129_150000	39	29-JAN-2011 03:50:45
ECMWF_FILE	AUX_ECA_AXNECM20110129_165459_20110129_090000_20110129_210000	76	29-JAN-2011 19:50:42
ECMWF_FILE	AUX_ECF_AXNECM20110129_052117_20110129_210000_20110130_090000	87	29-JAN-2011 21:00:58
OPTIONAL_ECMWF_FILE	MISSING	1	29-JAN-2011 00:03:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110128_231419_000057383099_00044_46610_2417.N1	1	29-JAN-2011 00:03:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110129_005516_000098823099_00045_46611_2418.N1	11	29-JAN-2011 01:02:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110129_034517_000060573099_00047_46613_2419.N1	39	29-JAN-2011 03:50:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110129_053133_000054193099_00048_46614_2420.N1	58	29-JAN-2011 05:35:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110129_194658_000038253099_00057_46623_2422.N1	76	29-JAN-2011 19:50:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110129_205602_000060573099_00057_46623_2423.N1	87	29-JAN-2011 21:00:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110129_224218_000057383099_00058_46624_2424.N1	106	29-JAN-2011 22:45:24

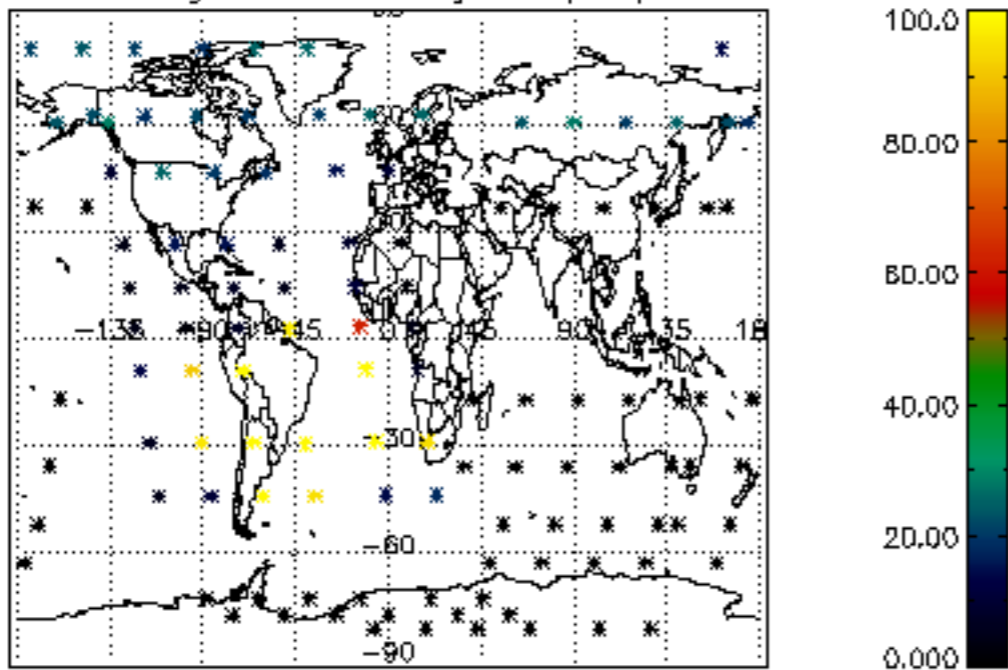




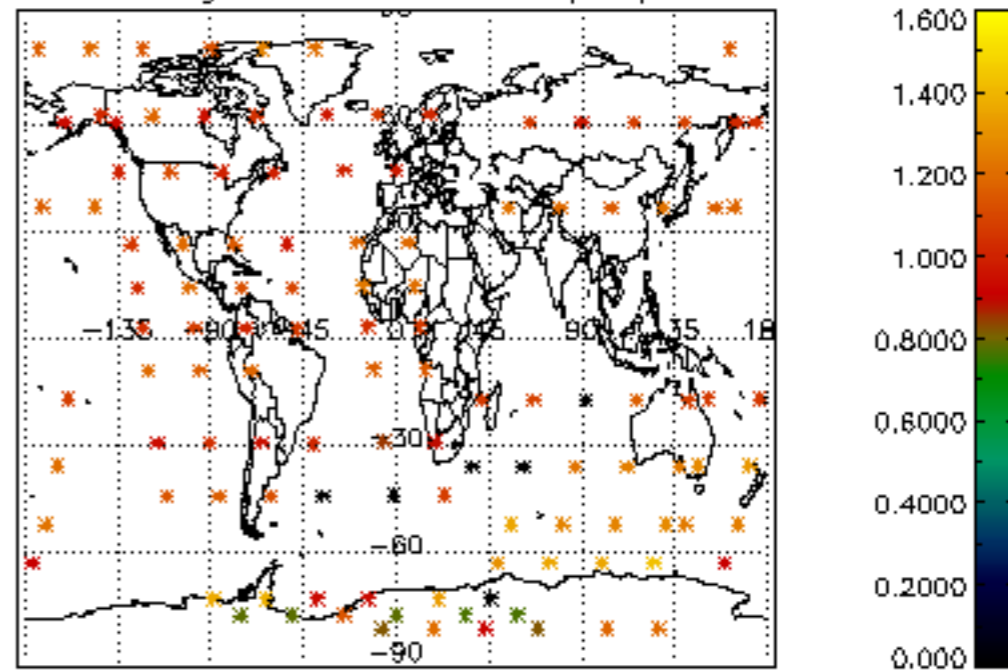




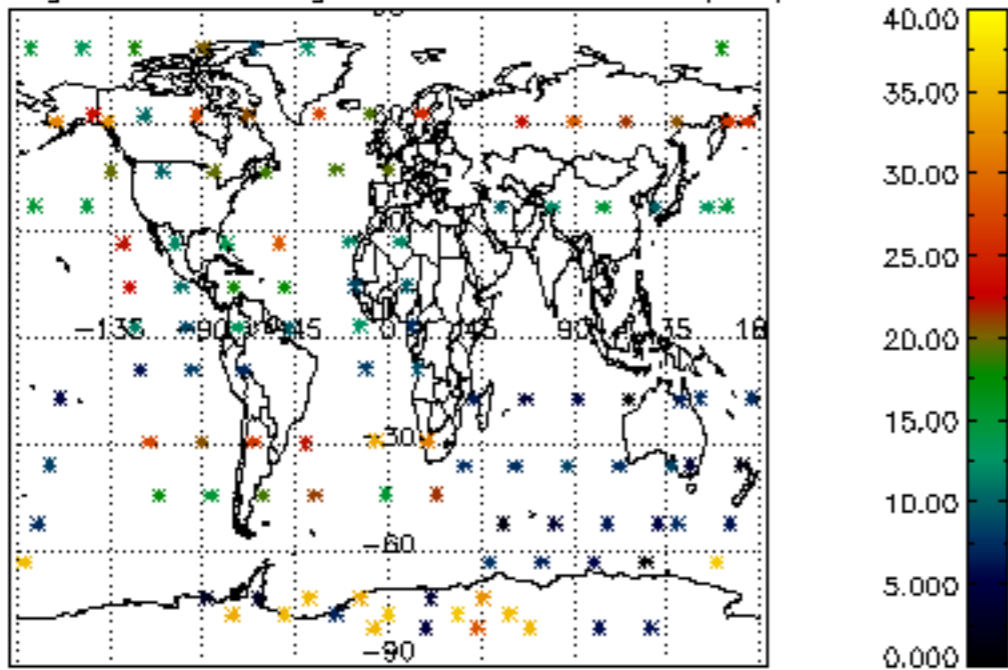
Percentage of cosmic ray hits per profile



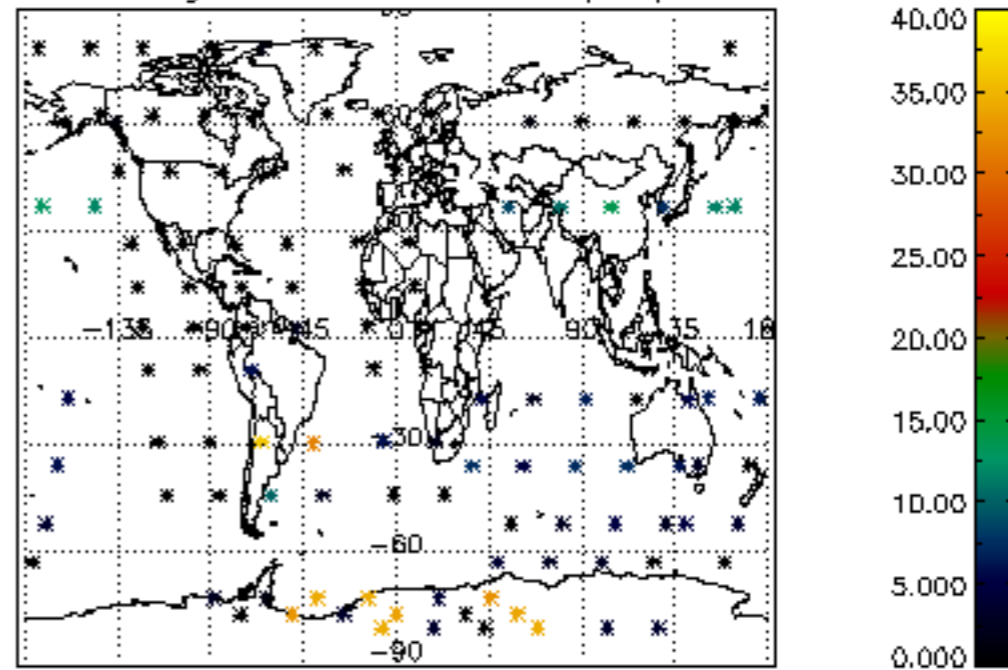
Percentage of datation errors per profile



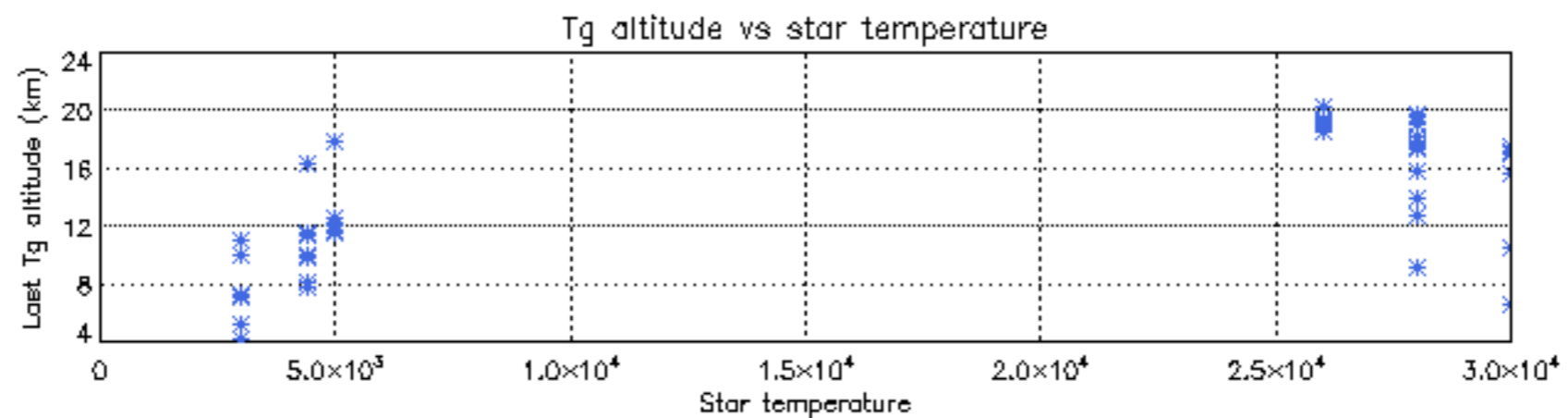
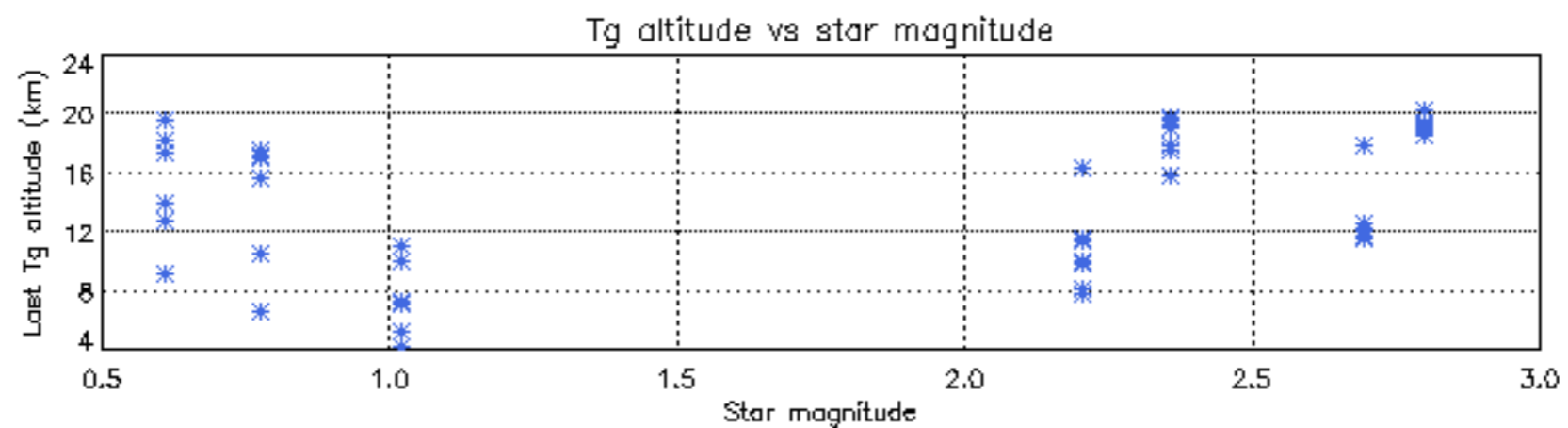
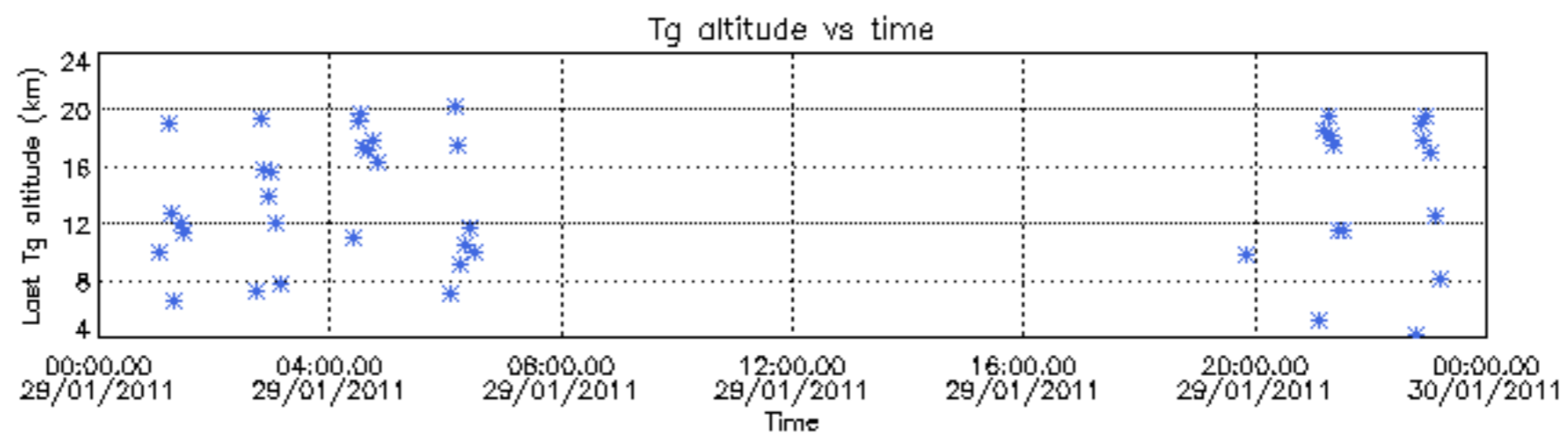
Percentage of star falling outside central band per profile



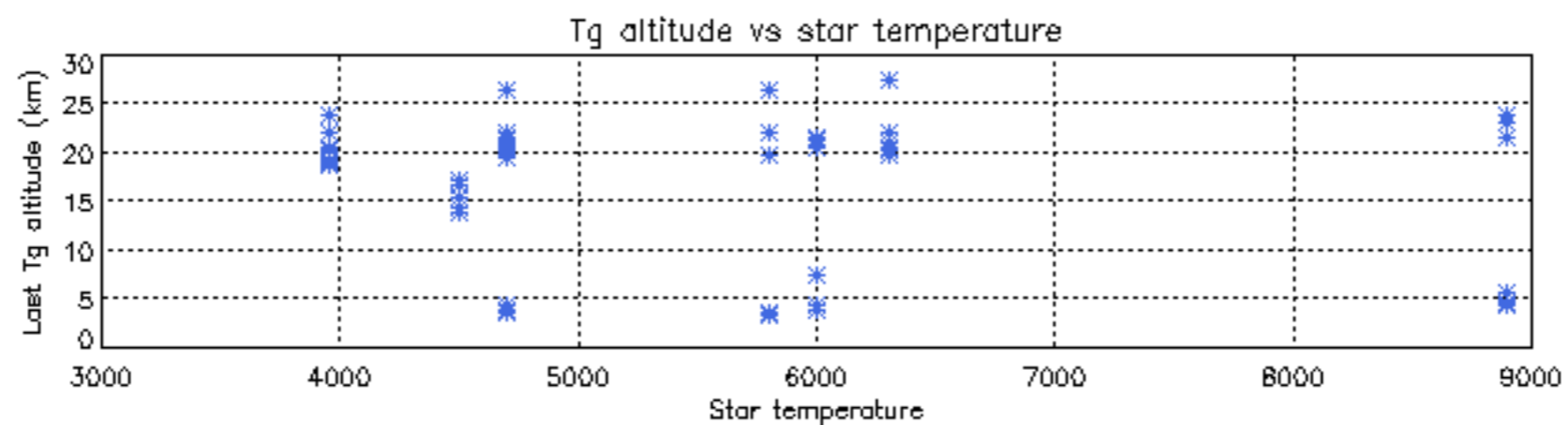
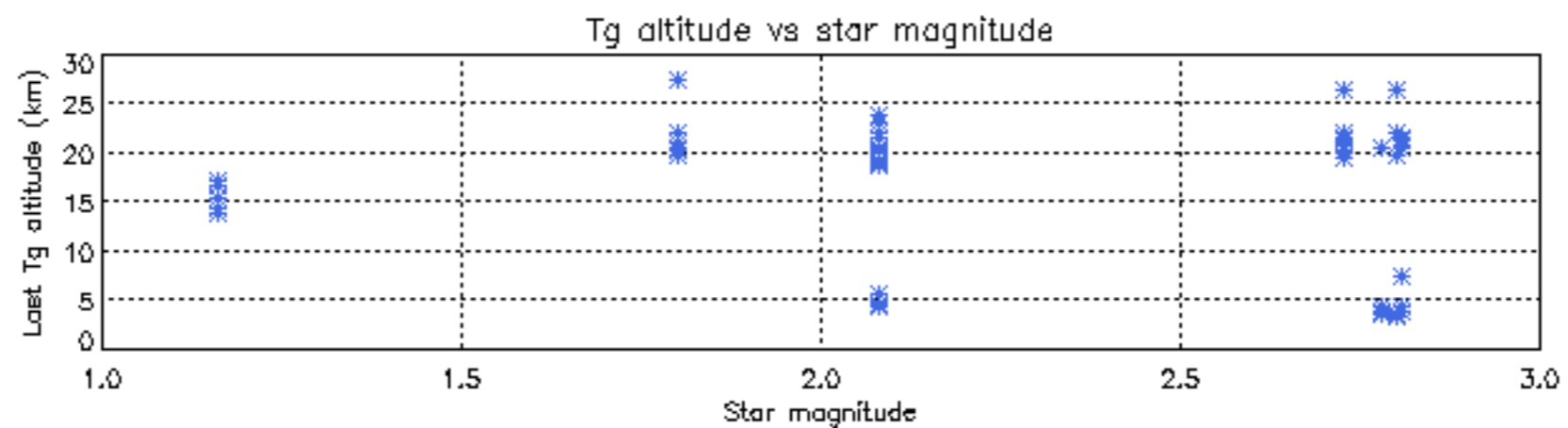
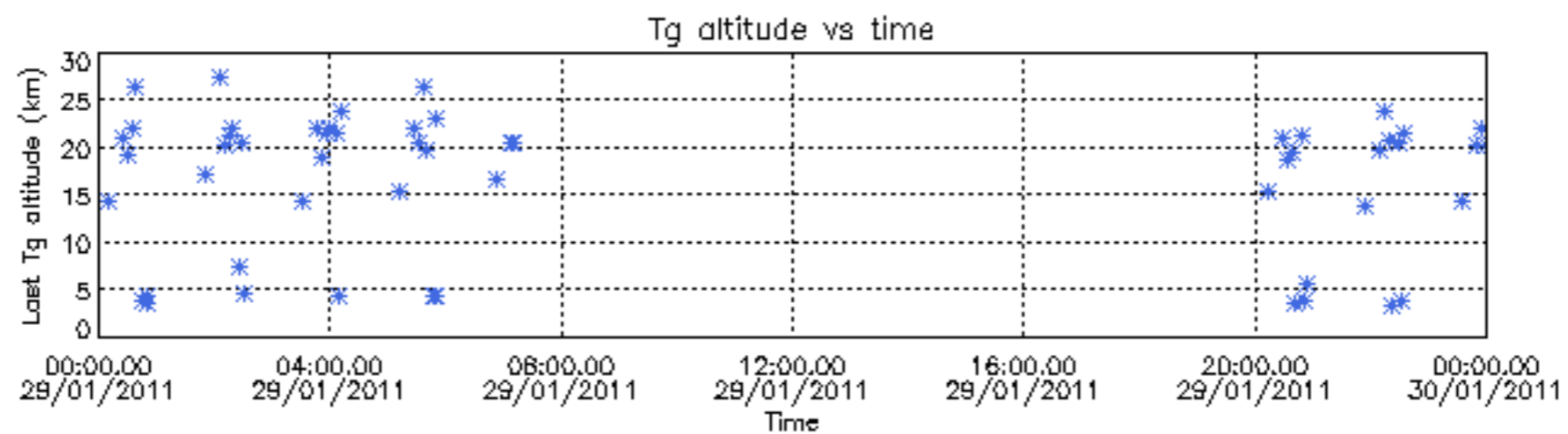
Percentage of saturation errors per profile

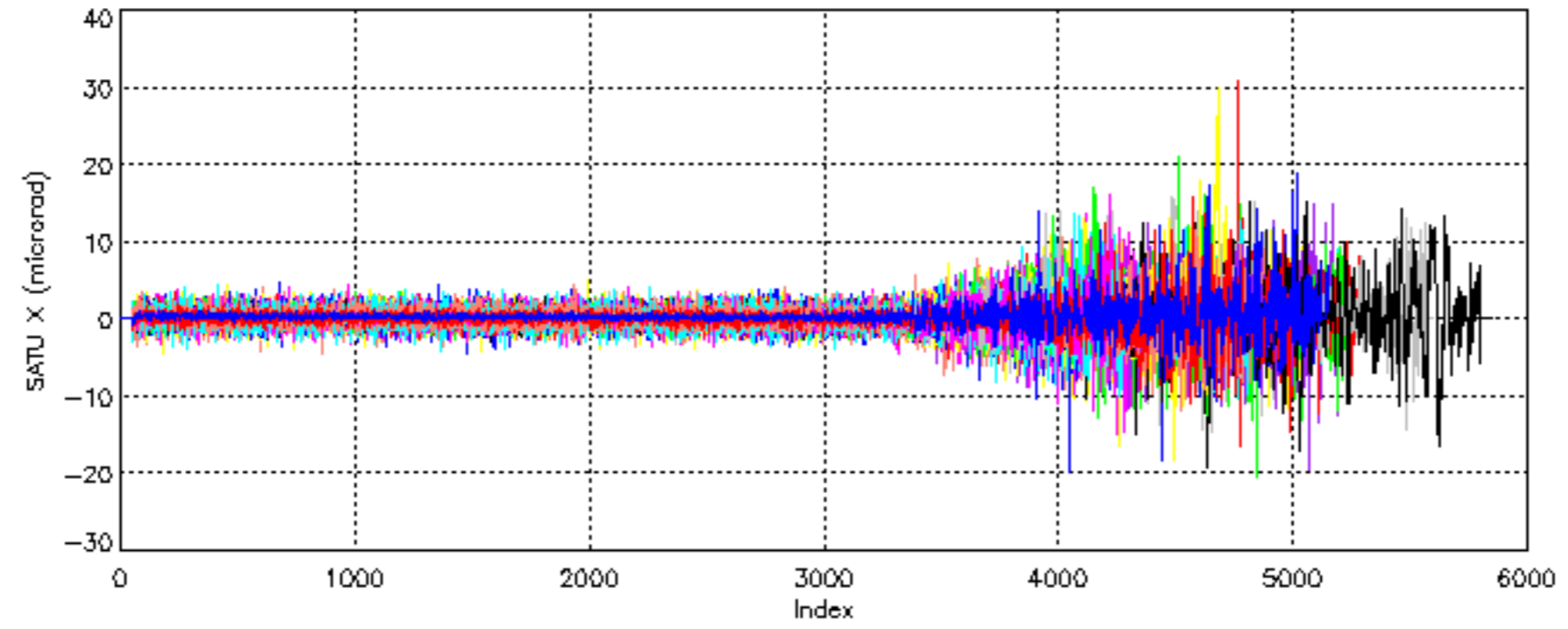


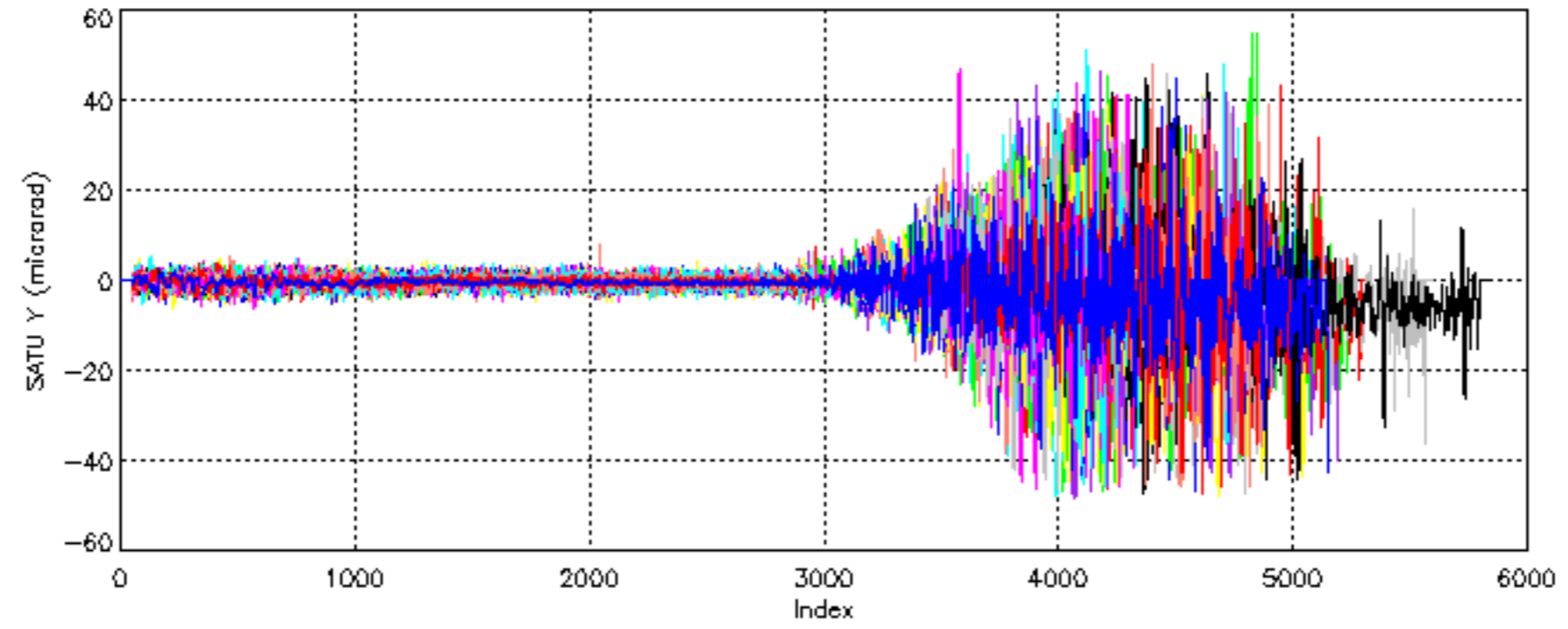
Tangent altitude at which the star is lost

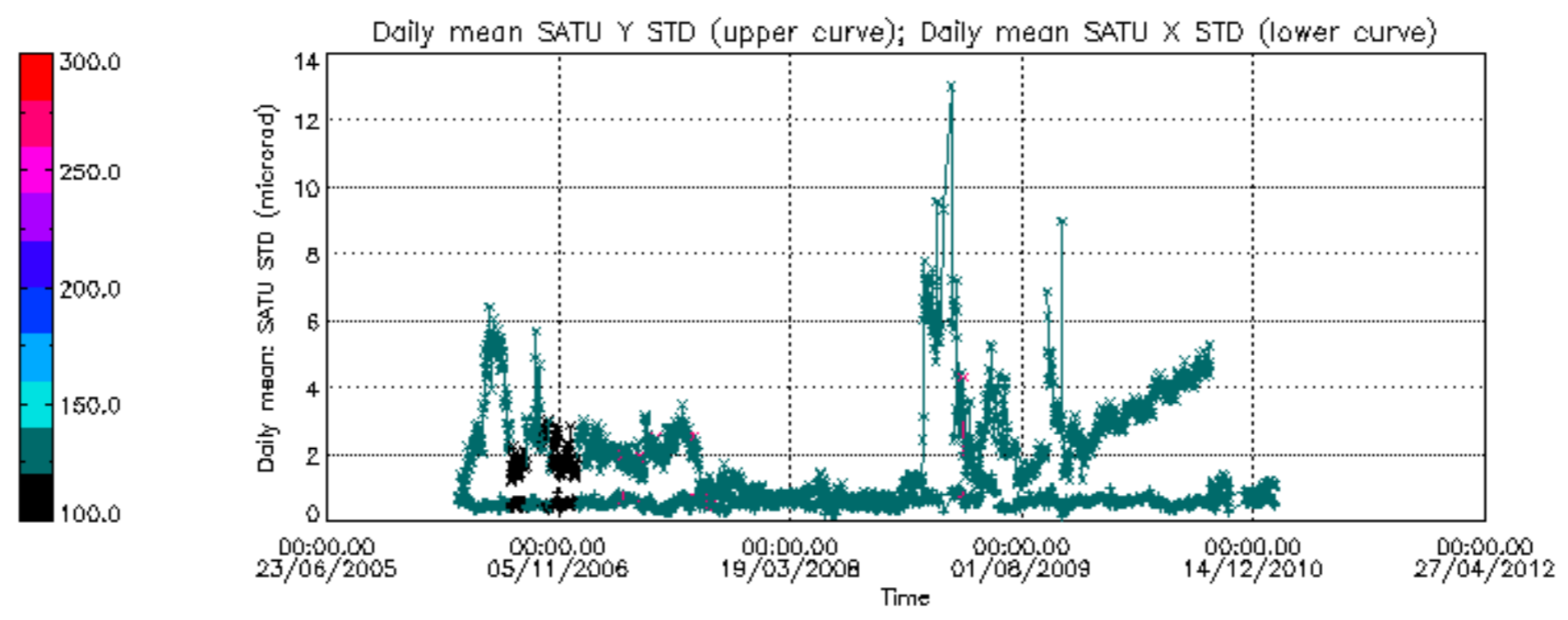


Tangent altitude at which the star is lost









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 19; 2535.1; 07-JAN-2011 00:18:39; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46295
 20; 2667.6; 07-JAN-2011 00:20:52; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46295
 21; 3662.1; 07-JAN-2011 00:37:26; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46295
 22; 3904.9; 07-JAN-2011 00:41:29; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;46295
 23; 4066.0; 07-JAN-2011 00:44:10; Bright; 68.0; 39; 85Eta UMA ; 1.85; 24000;occ; 136; 0;46295
 24; 4332.4; 07-JAN-2011 00:48:36; Bright; 67.0; 180; 27Gam Boo ; 3.04; 8000;occ; 134; 0;46295
 25; 4570.7; 07-JAN-2011 00:52:35; Bright; 47.5; 83; ; 2.38; 11000;occ; 95; 0;46295
 26; 4896.1; 07-JAN-2011 00:58:00; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;46295
 27; 5214.5; 07-JAN-2011 01:03:19; Dark ; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;46295

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 6; -1121.6; 06-JAN-2011 06:35:22; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;46284
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 8; -635.4; 06-JAN-2011 06:43:28; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;46284
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 10; -58.1; 06-JAN-2011 06:53:06; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;46284
 11; 41.7; 06-JAN-2011 06:54:46; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46285
 12; 204.1; 06-JAN-2011 06:57:28; Dark ; 40.0; 20; Bet Cru ; 1.25; 30000;occ; 80; 0;46285
 13; 281.5; 06-JAN-2011 06:58:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46285
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 15; 663.4; 06-JAN-2011 07:05:07; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;46285
 16; 776.9; 06-JAN-2011 07:07:01; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;46285
 17; 945.1; 06-JAN-2011 07:09:49; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;46285
 18; 1075.3; 06-JAN-2011 07:11:59; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;46285
 19; 1189.6; 06-JAN-2011 07:13:54; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;46285
 20; 1350.6; 06-JAN-2011 07:16:34; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;46285
 21; 1439.2; 06-JAN-2011 07:18:03; Dark ; 41.5; 179; 240mi2CMA ; 3.03; 24000;occ; 83; 0;46285
 22; 1580.0; 06-JAN-2011 07:20:24; Dark ; 51.0; 1; 9Alp CMA ; -1.44; 11000;occ; 102; 0;46285

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 3; 2293.8; 06-JAN-2011 07:32:18; Bright; 43.0; 151; 13Mu Gem ; 2.89; 3000;occ; 86; 0;46285
 4; 2536.7; 06-JAN-2011 07:36:21; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46285
 5; 2669.4; 06-JAN-2011 07:38:33; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;46285
 6; 3663.3; 06-JAN-2011 07:55:07; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46285
 7; 3904.7; 06-JAN-2011 07:59:09; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;46285
 8; 4068.9; 06-JAN-2011 08:01:53; Bright; 48.0; 39; 85Eta UMA ; 1.85; 24000;occ; 96; 0;46285
 9; 4332.5; 06-JAN-2011 08:06:16; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;46285
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 11; 4892.8; 06-JAN-2011 08:15:37; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;46285
 12; 5208.9; 06-JAN-2011 08:20:53; Dark ; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;46285
 13; 5379.3; 06-JAN-2011 08:23:43; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;46285
 14; 5800.4; 06-JAN-2011 08:30:44; Dark ; 46.0; 54; 5The Cen ; 2.06; 4500;occ; 92; 0;46285
 15; 5956.4; 06-JAN-2011 08:33:20; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46285
 16; 6056.3; 06-JAN-2011 08:35:00; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;46286

17; 6218.7; 06-JAN-2011 08:37:43; Dark ; 44.0; 20; Bet Cru ; 1.25; 3000;occ; 88; 0;46286
 18; 6296.5; 06-JAN-2011 08:39:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46286
 19; 6551.0; 06-JAN-2011 08:43:15; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46286
 20; 6677.9; 06-JAN-2011 08:45:22; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46286
 21; 6791.5; 06-JAN-2011 08:47:15; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;46286
 22; 6959.5; 06-JAN-2011 08:50:03; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;46286
 23; 7089.8; 06-JAN-2011 08:52:14; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46286
 24; 7203.9; 06-JAN-2011 08:54:08; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;46286
 25; 7364.7; 06-JAN-2011 08:56:49; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;46286
 26; 7453.4; 06-JAN-2011 08:58:17; Dark ; 42.5; 179; 240mi2CMA ; 3.03; 24000;occ; 85; 0;46286
 27; 7594.2; 06-JAN-2011 09:00:38; Dark ; 56.0; 1; 9Alp CMA ; -1.44; 11000;occ; 112; 0;46286

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 3; 2293.7; 06-JAN-2011 09:12:32; Bright; 55.0; 151; 13Mu Gem ; 2.89; 3000;occ; 110; 0;46286
 4; 2536.4; 06-JAN-2011 09:16:34; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46286
 5; 2669.2; 06-JAN-2011 09:18:47; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;46286
 6; 3663.2; 06-JAN-2011 09:35:21; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;46286
 7; 3904.7; 06-JAN-2011 09:39:23; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;46286
 8; 4068.6; 06-JAN-2011 09:42:06; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;46286
 9; 4332.3; 06-JAN-2011 09:46:30; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;46286
 10; 4568.7; 06-JAN-2011 09:50:27; Bright; 53.5; 83; ; 2.38; 11000;occ; 107; 0;46286
 11; 4893.1; 06-JAN-2011 09:55:51; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;46286
 12; 5209.5; 06-JAN-2011 10:01:07; Dark ; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;46286
 13; 5379.9; 06-JAN-2011 10:03:58; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;46286
 14; 5801.4; 06-JAN-2011 10:10:59; Dark ; 49.5; 54; 5The Cen ; 2.06; 4500;occ; 99; 0;46286
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 16; 6057.0; 06-JAN-2011 10:15:15; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46287
 17; 6219.3; 06-JAN-2011 10:17:57; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;46287
 18; 6297.4; 06-JAN-2011 10:19:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46287
 19; 6551.8; 06-JAN-2011 10:23:30; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;46287
 20; 6678.3; 06-JAN-2011 10:25:36; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;46287
 21; 6792.0; 06-JAN-2011 10:27:30; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46287
 22; 6960.0; 06-JAN-2011 10:30:18; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;46287
 23; 7090.2; 06-JAN-2011 10:32:28; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;46287
 24; 7204.2; 06-JAN-2011 10:34:22; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;46287
 25; 7365.0; 06-JAN-2011 10:37:03; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;46287
 26; 7453.6; 06-JAN-2011 10:38:32; Dark ; 40.5; 179; 240mi2CMA ; 3.03; 24000;occ; 81; 0;46287
 27; 7594.2; 06-JAN-2011 10:40:52; Dark ; 13.0; 1; 9Alp CMA ; -1.44; 11000;occ; 26; 0;46287

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 2; 2018.5; 06-JAN-2011 10:48:10; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;46287
 3; 2193.4; 06-JAN-2011 10:51:05; Dark ; 39.0; 44; 24Gam Gem ; 1.93; 11000;occ; 78; 0;46287
 4; 2293.3; 06-JAN-2011 10:52:45; Bright; 37.0; 151; 13Mu Gem ; 2.89; 3000;occ; 74; 0;46287
 5; 2536.3; 06-JAN-2011 10:56:48; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46287
 6; 2669.2; 06-JAN-2011 10:59:01; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;46287
 7; 3663.1; 06-JAN-2011 11:15:35; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;46287
 8; 3904.6; 06-JAN-2011 11:19:36; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;46287
 9; 4068.3; 06-JAN-2011 11:22:20; Bright; 47.0; 39; 85Eta UMa ; 1.85; 24000;occ; 94; 0;46287
 10; 4332.3; 06-JAN-2011 11:26:44; Bright; 67.0; 180; 27Gam Boo ; 3.04; 8000;occ; 134; 0;46287
 11; 4569.0; 06-JAN-2011 11:30:41; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;46287
 12; 4893.5; 06-JAN-2011 11:36:05; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;46287
 13; 5210.0; 06-JAN-2011 11:41:22; Dark ; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;46287
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 15; 5802.2; 06-JAN-2011 11:51:14; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;46287
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 21; 6678.9; 06-JAN-2011 12:05:51; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46288
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 23; 6960.5; 06-JAN-2011 12:10:32; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;46288
 24; 7090.8; 06-JAN-2011 12:12:43; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;46288
 25; 7204.4; 06-JAN-2011 12:14:36; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;46288
 26; 7365.2; 06-JAN-2011 12:17:17; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;46288
 27; 7453.8; 06-JAN-2011 12:18:46; Dark ; 43.0; 179; 240mi2CMA ; 3.03; 24000;occ; 86; 0;46288
 28; 7594.4; 06-JAN-2011 12:21:06; Dark ; 18.5; 1; 9Alp CMA ; -1.44; 11000;occ; 37; 0;46288

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 5; 2536.0; 06-JAN-2011 12:37:02; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46288
 6; 2669.0; 06-JAN-2011 12:39:15; Bright; 39.0; 42; 34Bet Aur ; 1.90; 10200;occ; 78; 0;46288
 7; 3663.1; 06-JAN-2011 12:55:49; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;46288
 8; 3904.8; 06-JAN-2011 12:59:51; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;46288
 9; 4068.0; 06-JAN-2011 13:02:34; Bright; 70.0; 39; 85Eta UMa ; 1.85; 24000;occ; 140; 0;46288
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 11; 4569.2; 06-JAN-2011 13:10:55; Bright; 48.5; 83; ; 2.38; 11000;occ; 97; 0;46288
 12; 4893.7; 06-JAN-2011 13:16:20; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;46288
 13; 5210.6; 06-JAN-2011 13:21:36; Dark ; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;46288
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 15; 5803.1; 06-JAN-2011 13:31:29; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;46288
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 17; 6058.2; 06-JAN-2011 13:35:44; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46289
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 19; 6299.3; 06-JAN-2011 13:39:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46289
 20; 6553.4; 06-JAN-2011 13:43:59; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46289
 21; 6679.2; 06-JAN-2011 13:46:05; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;46289
 22; 6793.0; 06-JAN-2011 13:47:59; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;46289
 23; 6960.9; 06-JAN-2011 13:50:47; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46289
 24; 7090.9; 06-JAN-2011 13:52:57; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;46289
 25; 7204.9; 06-JAN-2011 13:54:51; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;46289
 26; 7365.4; 06-JAN-2011 13:57:31; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;46289
 27; 7454.2; 06-JAN-2011 13:59:00; Dark ; 41.0; 179; 24Omi2CMa ; 3.03; 24000;occ; 82; 0;46289

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 3; 2018.7; 06-JAN-2011 14:08:39; Dark ; 48.5; 14; 58Alp Ori ; 0.87; 3000;occ; 97; 0;46289
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 5; 2293.0; 06-JAN-2011 14:13:13; Bright; 52.5; 151; 13Mu Gem ; 2.89; 3000;occ; 105; 0;46289
 6; 2536.2; 06-JAN-2011 14:17:16; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46289
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 9; 3904.9; 06-JAN-2011 14:40:05; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;46289
 10; 4067.8; 06-JAN-2011 14:42:48; Bright; 49.0; 39; 85Eta UMa ; 1.85; 24000;occ; 98; 0;46289
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 12; 4569.6; 06-JAN-2011 14:51:09; Bright; 46.5; 83; ; 2.38; 11000;occ; 93; 0;46289
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 16; 5803.9; 06-JAN-2011 15:11:44; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;46289
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 18; 6058.8; 06-JAN-2011 15:15:59; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46290
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8; 3904.9; 08-JAN-2011 08:25:55; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;46314
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10; 4575.4; 08-JAN-2011 08:37:06; Bright; 47.5; 83; ; 2.38; 11000;occ; 95; 0;46314
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12; 5225.7; 08-JAN-2011 08:47:56; Dark ; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;46314
13; 5401.1; 08-JAN-2011 08:50:52; Dark ; 49.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 99; 0;46314
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7; 3659.4; 08-JAN-2011 10:02:04; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46315
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9; 4332.4; 08-JAN-2011 10:13:17; Bright; 54.5; 180; 27Gam Boo ; 3.04; 8000;occ; 109; 0;46315
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11; 4903.8; 08-JAN-2011 10:22:48; Bright; 48.0; 102; 24Alp Ser ; 2.60; 4250;occ; 96; 0;46315
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13; 5401.7; 08-JAN-2011 10:31:06; Dark ; 47.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 95; 0;46315
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23; 7102.6; 08-JAN-2011 10:59:27; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;46316
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16; 6075.7; 08-JAN-2011 12:22:34; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46317
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23; 7102.9; 08-JAN-2011 12:39:41; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;46317
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23; 6695.3; 08-JAN-2011 19:13:50; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46321
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 4; 2437.3; 17-JAN-2011 12:32:18; Bright; 46.5; 17; 78Bet Gem ; 1.16; 4500;occ; 93; 0;46446
 5; 3410.9; 17-JAN-2011 12:48:31; Bright; 32.0; 36; 50Alp UMa ; 1.80; 6300;occ; 64; 0;46446
 6; 3638.7; 17-JAN-2011 12:52:19; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;46446
 7; 3900.6; 17-JAN-2011 12:56:41; Bright; 34.0; 119; 14Eta Dra ; 2.73; 4700;occ; 68; 0;46446
 8; 4436.7; 17-JAN-2011 13:05:37; Bright; 55.0; 133; 40Zet Her ; 2.81; 6000;occ; 110; 0;46446
 9; 4571.8; 17-JAN-2011 13:07:52; Bright; 66.0; 67; 5Alp CrB ; 2.22; 11000;occ; 132; 0;46446
 10; 4963.2; 17-JAN-2011 13:14:24; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;46446
 11; 5088.7; 17-JAN-2011 13:16:29; Bright; 58.0; 120; 1Del Oph ; 2.73; 3200;occ; 116; 0;46446
 12; 5320.4; 17-JAN-2011 13:20:21; Dark ; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;46446
 13; 5426.5; 17-JAN-2011 13:22:07; Dark ; 47.0; 80; 7Del Sco ; 2.32; 30000;occ; 94; 0;46446
 14; 5522.5; 17-JAN-2011 13:23:43; Dark ; 54.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 109; 0;46446
 15; 5753.8; 17-JAN-2011 13:27:34; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;46446
 16; 5862.8; 17-JAN-2011 13:29:23; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;46446
 17; 5952.4; 17-JAN-2011 13:30:53; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;46446
 18; 6079.0; 17-JAN-2011 13:32:59; Dark ; 44.0; 95; Zet Cen ; 2.55; 26000;occ; 88; 0;46447
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 22; 6681.6; 17-JAN-2011 13:43:02; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;46447
 23; 6800.1; 17-JAN-2011 13:45:00; Dark ; 41.5; 91; Kap Vel ; 2.49; 26000;occ; 83; 0;46447
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 4; 2437.2; 17-JAN-2011 14:12:32; Bright; 47.0; 17; 78Bet Gem ; 1.16; 4500;occ; 94; 0;46447
 5; 3638.5; 17-JAN-2011 14:32:33; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;46447
 6; 3900.6; 17-JAN-2011 14:36:55; Bright; 55.0; 119; 14Eta Dra ; 2.73; 4700;occ; 110; 0;46447
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 8; 4572.2; 17-JAN-2011 14:48:07; Bright; 66.0; 67; 5Alp CrB ; 2.22; 11000;occ; 132; 0;46447
 9; 4963.7; 17-JAN-2011 14:54:38; Bright; 64.0; 102; 24Alp Ser ; 2.60; 4250;occ; 128; 0;46447
 10; 5089.4; 17-JAN-2011 14:56:44; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;46447
 11; 5321.3; 17-JAN-2011 15:00:36; Dark ; 51.5; 104; 27Bet Lib ; 2.61; 13100;occ; 103; 0;46447
 12; 5427.1; 17-JAN-2011 15:02:21; Dark ; 43.0; 80; 7Del Sco ; 2.32; 30000;occ; 86; 0;46447
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 22; 6800.6; 17-JAN-2011 15:25:15; Dark ; 41.5; 91; Kap Vel ; 2.49; 26000;occ; 83; 0;46448
 23; 7024.8; 17-JAN-2011 15:28:59; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46448
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 4; 2326.9; 17-JAN-2011 15:50:55; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;46448
 5; 2436.6; 17-JAN-2011 15:52:45; Bright; 45.5; 17; 78Bet Gem ; 1.16; 4500;occ; 91; 0;46448
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 23; 6683.2; 17-JAN-2011 17:03:32; Dark ; 50.0; 113; Mu Vel ; 2.69; 5000;occ; 100; 0;46449
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 7; 3408.6; 17-JAN-2011 17:49:11; Bright; 33.0; 36; 50Alp UMA ; 1.80; 6300;occ; 66; 0;46449
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 9; 3900.3; 17-JAN-2011 17:57:23; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;46449
 10; 4437.0; 17-JAN-2011 18:06:20; Bright; 45.0; 133; 40Zet Her ; 2.81; 6000;occ; 90; 0;46449
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 21; 6166.5; 17-JAN-2011 18:35:09; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46450
 22; 6367.4; 17-JAN-2011 18:38:30; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;46450
 23; 6450.1; 17-JAN-2011 18:39:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46450
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 4; -54.0; 18-JAN-2011 01:12:39; Dark ; 61.0; 54; 5The Cen ; 2.06; 4500;occ; 122; 0;46453
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 7; 355.6; 18-JAN-2011 01:19:28; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;46454
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 22; 4573.7; 18-JAN-2011 02:29:46; Bright; 64.0; 67; 5Alp CrB ; 2.22; 11000;occ; 128; 0;46454
 23; 5327.3; 18-JAN-2011 02:42:20; Dark ; 51.0; 104; 27Bet Lib ; 2.61; 13100;occ; 102; 0;46454

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26; 5758.4; 18-JAN-2011 02:49:31; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;46454
27; 5868.2; 18-JAN-2011 02:51:21; Dark ; 41.5; 109; Bet Lup ; 2.68; 26000;occ; 83; 0;46454
28; 5961.0; 18-JAN-2011 02:52:54; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;46454
29; 6085.6; 18-JAN-2011 02:54:58; Dark ; 43.0; 95; Zet Cen ; 2.55; 26000;occ; 86; 0;46455
30; 6169.9; 18-JAN-2011 02:56:22; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46455
31; 6370.2; 18-JAN-2011 02:59:43; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;46455
32; 6454.5; 18-JAN-2011 03:01:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46455
33; 6687.5; 18-JAN-2011 03:05:00; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46455
34; 6803.9; 18-JAN-2011 03:06:56; Dark ; 39.0; 91; Kap Vel ; 2.49; 26000;occ; 78; 0;46455
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36; 7154.4; 18-JAN-2011 03:12:47; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;46455
37; 7377.0; 18-JAN-2011 03:16:30; Dark ; 41.5; 88; 31Eta CMa ; 2.45; 20000;occ; 83; 0;46455
38; 8007.3; 18-JAN-2011 03:27:00; Dark ; 61.0; 8; 10Alp CMi ; 0.40; 6500;occ; 122; 0;46455
39; 8187.6; 18-JAN-2011 03:30:00; Dark ; 54.0; 44; 24Gam Gem ; 1.93; 11000;occ; 108; 0;46455
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 8; 4445.0; 21-JAN-2011 15:39:32; Bright; 57.0; 133; 40Zet Her ; 2.81; 6000;occ; 114; 0;46505
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8; 4066.8; 31-JAN-2011 17:47:06; Bright; 55.0; 130; 23Bet Dra ; 2.80; 5800;occ; 110; 0;46650
9; 4464.9; 31-JAN-2011 17:53:44; Bright; 55.0; 133; 40Zet Her ; 2.81; 6000;occ; 110; 0;46650
10; 4681.3; 31-JAN-2011 17:57:21; Bright; 67.0; 127; 27Bet Her ; 2.78; 4700;occ; 134; 0;46650
11; 4902.6; 31-JAN-2011 18:01:02; Bright; 54.0; 126; 60Bet Oph ; 2.77; 4250;occ; 108; 0;46650
12; 5289.6; 31-JAN-2011 18:07:29; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;46650
13; 5546.9; 31-JAN-2011 18:11:46; Dark ; 48.0; 16; 21Alp Sco ; 1.02; 3000;occ; 96; 0;46650
14; 5629.8; 31-JAN-2011 18:13:09; Dark ; 48.5; 158; 6Pi Sco ; 2.91; 28000;occ; 97; 0;46650
15; 5892.8; 31-JAN-2011 18:17:32; Dark ; 43.5; 131; Gam Lup ; 2.80; 26000;occ; 87; 0;46650
16; 6026.1; 31-JAN-2011 18:19:46; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;46651
17; 6121.0; 31-JAN-2011 18:21:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46651
18; 6275.0; 31-JAN-2011 18:23:54; Dark ; 46.0; 10; Bet Cen ; 0.61; 28000;occ; 92; 0;46651
19; 6477.9; 31-JAN-2011 18:27:17; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;46651
20; 6598.2; 31-JAN-2011 18:29:18; Dark ; 46.0; 99; Del Cen ; 2.58; 26000;occ; 92; 0;46651
21; 6820.7; 31-JAN-2011 18:33:00; Dark ; 50.5; 113; Mu Vel ; 2.69; 5000;occ; 101; 0;46651
22; 7085.0; 31-JAN-2011 18:37:24; Dark ; 23.5; 65; Lam Vel ; 2.20; 4400;occ; 47; 0;46651

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1;	1070.9;	31-JAN-2011	18:37:24;	Dark	;	49.0;	65;	Lam Vel	;	2.20;	4400;occ;	98;	0;46651
2;	1456.9;	31-JAN-2011	18:43:50;	Dark	;	44.0;	132;	15Rho Pup	;	2.80;	6900;occ;	88;	0;46651
3;	1731.3;	31-JAN-2011	18:48:25;	Dark	;	34.0;	48;	30Alp Hya	;	1.98;	4100;occ;	68;	0;46651
4;	1980.4;	31-JAN-2011	18:52:34;	Dark	;	52.0;	8;	10Alp CMi	;	0.40;	6500;occ;	104;	0;46651
5;	2379.8;	31-JAN-2011	18:59:13;	Bright;		41.0;	17;	78Bet Gem	;	1.16;	4500;occ;	82;	0;46651
6;	3267.0;	31-JAN-2011	19:14:01;	Bright;		47.0;	36;	50Alp UMa	;	1.80;	6300;occ;	94;	0;46651
7;	3594.5;	31-JAN-2011	19:19:28;	Bright;		41.5;	60;	7Bet UMi	;	2.08;	3950;occ;	83;	0;46651
8;	3876.5;	31-JAN-2011	19:24:10;	Bright;		40.0;	119;	14Eta Dra	;	2.73;	4700;occ;	80;	0;46651
9;	4066.7;	31-JAN-2011	19:27:20;	Bright;		35.5;	130;	23Bet Dra	;	2.80;	5800;occ;	71;	0;46651
10;	4465.0;	31-JAN-2011	19:33:59;	Bright;		63.0;	133;	40Zet Her	;	2.81;	6000;occ;	126;	0;46651
11;	4681.5;	31-JAN-2011	19:37:35;	Bright;		46.5;	127;	27Bet Her	;	2.78;	4700;occ;	93;	0;46651
12;	4902.8;	31-JAN-2011	19:41:16;	Bright;		50.0;	126;	60Bet Oph	;	2.77;	4250;occ;	100;	0;46651
13;	5289.9;	31-JAN-2011	19:47:43;	Dark	;	44.5;	86;	35Eta Oph	;	2.43;	10200;occ;	89;	0;46651
14;	5547.5;	31-JAN-2011	19:52:01;	Dark	;	53.5;	16;	21Alp Sco	;	1.02;	3000;occ;	107;	0;46651
15;	5630.7;	31-JAN-2011	19:53:24;	Dark	;	47.5;	158;	6Pi Sco	;	2.91;	28000;occ;	95;	0;46651
16;	5893.7;	31-JAN-2011	19:57:47;	Dark	;	44.0;	131;	Gam Lup	;	2.80;	26000;occ;	88;	0;46651
17;	6026.7;	31-JAN-2011	20:00:00;	Dark	;	44.5;	109;	Bet Lup	;	2.68;	26000;occ;	89;	0;46652
18;	6121.7;	31-JAN-2011	20:01:35;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;46652
19;	6275.4;	31-JAN-2011	20:04:09;	Dark	;	41.5;	10;	Bet Cen	;	0.61;	28000;occ;	83;	0;46652
20;	6478.4;	31-JAN-2011	20:07:32;	Dark	;	40.5;	12;	Alp1Cru	;	0.77;	30000;occ;	81;	0;46652
21;	6598.7;	31-JAN-2011	20:09:32;	Dark	;	46.0;	99;	Del Cen	;	2.58;	26000;occ;	92;	0;46652
22;	6821.1;	31-JAN-2011	20:13:15;	Dark	;	44.0;	113;	Mu Vel	;	2.69;	5000;occ;	88;	0;46652