

GOMOS Daily Report 15-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	18JAN2011 04:58:55
Data source version	GOMOS/5.01
Start time of products	15JAN2011 00:02:01
Stop time of products	15JAN2011 23:47:20
Store outputs in DB	Yes
Nb of level 1b prods	149
Nb of prods with errors	3

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

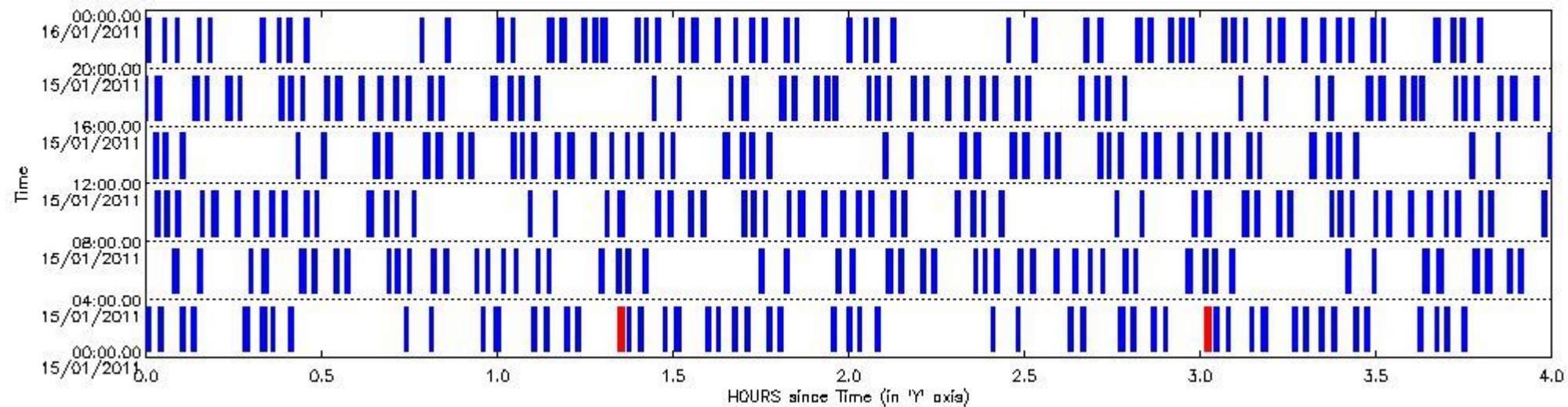
2.1 Level 0 products arrived in PCF (see template [here](#))

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
15-JAN-2011 01:20:31	BetLup	109	46410
15-JAN-2011 03:00:45	BetLup	109	46411

2.4 Summary of processed GOM_TRA_1P products

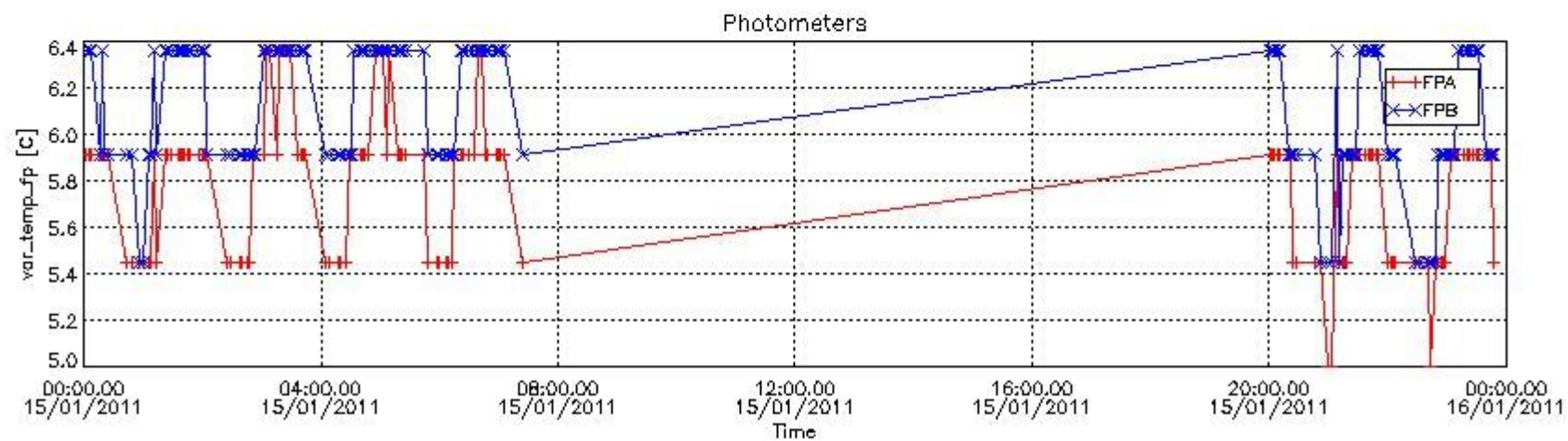
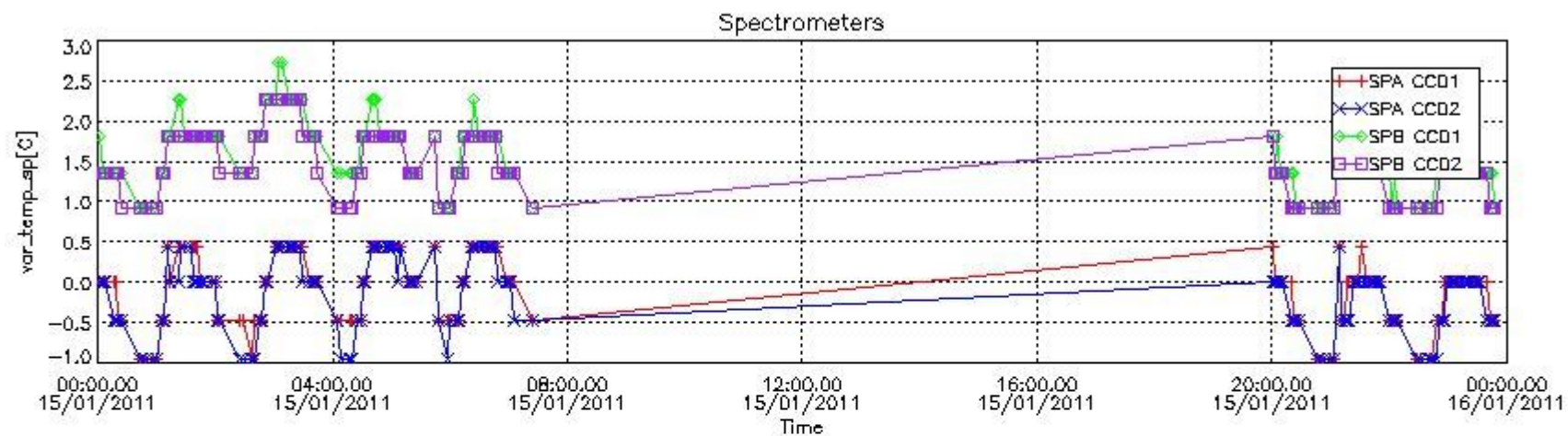
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110115_000201_000000433098_00275_46410_4045.N1	15-JAN-2011 00:02:01	Dark	43.000	70	Zet Pup	2.2460	39000.	86	46410	No
2	GOM_TRA_1PNPDE20110115_000548_000000433098_00275_46410_4046.N1	15-JAN-2011 00:05:48	Straylight	43.000	88	31Eta CMa	2.4480	20000.	86	46410	No
3	GOM_TRA_1PNPDE20110115_000739_000000423098_00275_46410_4047.N1	15-JAN-2011 00:07:39	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	46410	No
4	GOM_TRA_1PNPDE20110115_001637_000000623098_00275_46410_4048.N1	15-JAN-2011 00:16:37	Twilight_stray	61.500	8	10Alp CMi	0.40000	6500.0	123	46410	No
5	GOM_TRA_1PNPDE20110115_001932_000000543098_00275_46410_4049.N1	15-JAN-2011 00:19:32	Bright	53.500	44	24Gam Gem	1.9280	11000.	107	46410	No
6	GOM_TRA_1PNPDE20110115_002114_000000403098_00275_46410_4050.N1	15-JAN-2011 00:21:14	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	46410	No
7	GOM_TRA_1PNPDE20110115_002411_000000483098_00275_46410_4051.N1	15-JAN-2011 00:24:11	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46410	No
8	GOM_TRA_1PNPDE20110115_004401_000000373098_00275_46410_4052.N1	15-JAN-2011 00:44:01	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	46410	No
9	GOM_TRA_1PNPDE20110115_004818_000000393098_00275_46410_4053.N1	15-JAN-2011 00:48:18	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46410	No

10	GOM_TRA_1PNPDE20110115_005707_000000413098_00275_46410_4054.N1	15-JAN-2011 00:57:07	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	46410	No
11	GOM_TRA_1PNPDE20110115_005919_000000633098_00275_46410_4055.N1	15-JAN-2011 00:59:19	Bright	63.000	67	5Alp CrB	2.2210	11000.	126	46410	No
12	GOM_TRA_1PNPDE20110115_010540_000000623098_00275_46410_4056.N1	15-JAN-2011 01:05:40	Bright	62.000	102	24Alp Ser	2.6000	4250.0	124	46410	No
13	GOM_TRA_1PNPDE20110115_010748_000000563098_00275_46410_4057.N1	15-JAN-2011 01:07:48	Bright	56.000	120	1Del Oph	2.7340	3200.0	112	46410	No
14	GOM_TRA_1PNPDE20110115_011127_000000503098_00275_46410_4071.N1	15-JAN-2011 01:11:27	Twilight	50.000	104	27Bet Lib	2.6140	13100.	100	46410	Yes
15	GOM_TRA_1PNPDE20110115_011323_000000463098_00275_46410_4072.N1	15-JAN-2011 01:13:23	Twilight	45.500	80	7Del Sco	2.3160	30000.	91	46410	No
16	GOM_TRA_1PNPDE20110115_012205_000000433098_00275_46410_4073.N1	15-JAN-2011 01:22:05	Dark	43.000	78	Alp Lup	2.3040	28000.	86	46410	No
17	GOM_TRA_1PNPDE20110115_012405_000000463098_00276_46411_4074.N1	15-JAN-2011 01:24:05	Dark	45.500	95	Zet Cen	2.5450	26000.	91	46411	No
18	GOM_TRA_1PNPDE20110115_012810_000000423098_00276_46411_4075.N1	15-JAN-2011 01:28:10	Dark	42.000	20	Bet Cru	1.2530	30000.	84	46411	No
19	GOM_TRA_1PNPDE20110115_013533_000000413098_00276_46411_4076.N1	15-JAN-2011 01:35:33	Dark	41.000	71	lot Car	2.2460	7700.0	82	46411	No
20	GOM_TRA_1PNPDE20110115_013724_000000403098_00276_46411_4077.N1	15-JAN-2011 01:37:24	Dark	39.500	46	Del Vel	1.9540	10600.	79	46411	No
21	GOM_TRA_1PNPDE20110115_014007_000000463098_00276_46411_4078.N1	15-JAN-2011 01:40:07	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	46411	No
22	GOM_TRA_1PNPDE20110115_014215_000000443098_00276_46411_4079.N1	15-JAN-2011 01:42:15	Dark	44.000	70	Zet Pup	2.2460	39000.	88	46411	No
23	GOM_TRA_1PNPDE20110115_014602_000000443098_00276_46411_4080.N1	15-JAN-2011 01:46:02	Straylight	44.000	88	31Eta CMa	2.4480	20000.	88	46411	No
24	GOM_TRA_1PNPDE20110115_014754_000000423098_00276_46411_4081.N1	15-JAN-2011 01:47:54	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	46411	No
25	GOM_TRA_1PNPDE20110115_015651_000000613098_00276_46411_4082.N1	15-JAN-2011 01:56:51	Twilight	60.500	8	10Alp CMi	0.40000	6500.0	121	46411	No
26	GOM_TRA_1PNPDE20110115_015945_000000423098_00276_46411_4083.N1	15-JAN-2011 01:59:45	Bright	42.000	44	24Gam Gem	1.9280	11000.	84	46411	No
27	GOM_TRA_1PNPDE20110115_020128_000000413098_00276_46411_4084.N1	15-JAN-2011 02:01:28	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	46411	No
28	GOM_TRA_1PNPDE20110115_020424_000000493098_00276_46411_4085.N1	15-JAN-2011 02:04:24	Bright	48.500	17	78Bet Gem	1.1610	4500.0	97	46411	No
29	GOM_TRA_1PNPDE20110115_022415_000000393098_00276_46411_4086.N1	15-JAN-2011 02:24:15	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46411	No
30	GOM_TRA_1PNPDE20110115_022832_000000383098_00276_46411_4087.N1	15-JAN-2011 02:28:32	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	46411	No
31	GOM_TRA_1PNPDE20110115_023721_000000543098_00276_46411_4088.N1	15-JAN-2011 02:37:21	Bright	54.000	133	40Zet Her	2.8070	6000.0	108	46411	No
32	GOM_TRA_1PNPDE20110115_023934_000000423098_00276_46411_4089.N1	15-JAN-2011 02:39:34	Bright	42.000	67	5Alp CrB	2.2210	11000.	84	46411	No
33	GOM_TRA_1PNPDE20110115_024555_000000623098_00276_46411_4090.N1	15-JAN-2011 02:45:55	Bright	62.000	102	24Alp Ser	2.6000	4250.0	124	46411	No
34	GOM_TRA_1PNPDE20110115_024803_000000563098_00276_46411_4091.N1	15-JAN-2011 02:48:03	Bright	56.000	120	1Del Oph	2.7340	3200.0	112	46411	No
35	GOM_TRA_1PNPDE20110115_025141_000000483098_00276_46411_4092.N1	15-JAN-2011 02:51:41	Twilight	47.500	104	27Bet Lib	2.6140	13100.	95	46411	No
36	GOM_TRA_1PNPDE20110115_025337_000000413098_00276_46411_4093.N1	15-JAN-2011 02:53:37	Twilight	40.500	80	7Del Sco	2.3160	30000.	81	46411	No
37	GOM_TRA_1PNPDE20110115_030219_000000413098_00276_46411_4094.N1	15-JAN-2011 03:02:19	Dark	40.500	78	Alp Lup	2.3040	28000.	81	46411	No
38	GOM_TRA_1PNPDE20110115_030420_000000443098_00277_46412_4095.N1	15-JAN-2011 03:04:20	Dark	43.500	95	Zet Cen	2.5450	26000.	87	46412	No
39	GOM_TRA_1PNPDE20110115_030824_000000423098_00277_46412_4096.N1	15-JAN-2011 03:08:24	Dark	42.000	20	Bet Cru	1.2530	30000.	84	46412	No
40	GOM_TRA_1PNPDE20110115_031548_000000403098_00277_46412_4097.N1	15-JAN-2011 03:15:48	Dark	40.000	71	lot Car	2.2460	7700.0	80	46412	No
41	GOM_TRA_1PNPDE20110115_031739_000000433098_00277_46412_4098.N1	15-JAN-2011 03:17:39	Dark	43.000	46	Del Vel	1.9540	10600.	86	46412	No
42	GOM_TRA_1PNPDE20110115_032022_000000443098_00277_46412_4099.N1	15-JAN-2011 03:20:22	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	46412	No
43	GOM_TRA_1PNPDE20110115_032230_000000453098_00277_46412_4100.N1	15-JAN-2011 03:22:30	Dark	45.000	70	Zet Pup	2.2460	39000.	90	46412	No
44	GOM_TRA_1PNPDE20110115_032617_000000443098_00277_46412_4101.N1	15-JAN-2011 03:26:17	Straylight	43.500	88	31Eta CMa	2.4480	20000.	87	46412	No
45	GOM_TRA_1PNPDE20110115_032808_000000423098_00277_46412_4102.N1	15-JAN-2011 03:28:08	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	46412	No
46	GOM_TRA_1PNPDE20110115_033705_000000553098_00277_46412_4103.N1	15-JAN-2011 03:37:05	Twilight	55.000	8	10Alp CMi	0.40000	6500.0	110	46412	No
47	GOM_TRA_1PNPDE20110115_033959_000000453098_00277_46412_4104.N1	15-JAN-2011 03:39:59	Bright	44.500	44	24Gam Gem	1.9280	11000.	89	46412	No
48	GOM_TRA_1PNPDE20110115_034142_000000413098_00277_46412_4105.N1	15-JAN-2011 03:41:42	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	46412	No
49	GOM_TRA_1PNPDE20110115_034437_000000483098_00277_46412_4106.N1	15-JAN-2011 03:44:37	Bright	48.000	17	78Bet Gem	1.1610	4500.0	96	46412	No
50	GOM_TRA_1PNPDE20110115_040429_000000563098_00277_46412_4096.N1	15-JAN-2011 04:04:29	Bright	56.000	60	7Bet UMi	2.0810	3950.0	112	46412	No
51	GOM_TRA_1PNPDE20110115_040846_000000403098_00277_46412_4097.N1	15-JAN-2011 04:08:46	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46412	No
52	GOM_TRA_1PNPDE20110115_041736_000000363098_00277_46412_4098.N1	15-JAN-2011 04:17:36	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	46412	No
53	GOM_TRA_1PNPDE20110115_041948_000000643098_00277_46412_4099.N1	15-JAN-2011 04:19:48	Bright	64.000	67	5Alp CrB	2.2210	11000.	128	46412	No
54	GOM_TRA_1PNPDE20110115_042609_000000623098_00277_46412_4100.N1	15-JAN-2011 04:26:09	Bright	62.000	102	24Alp Ser	2.6000	4250.0	124	46412	No
55	GOM_TRA_1PNPDE20110115_042817_000000563098_00277_46412_4101.N1	15-JAN-2011 04:28:17	Bright	56.000	120	1Del Oph	2.7340	3200.0	112	46412	No
56	GOM_TRA_1PNPDE20110115_043156_000000503098_00277_46412_4102.N1	15-JAN-2011 04:31:56	Twilight	49.500	104	27Bet Lib	2.6140	13100.	99	46412	No
57	GOM_TRA_1PNPDE20110115_043352_000000483098_00277_46412_4103.N1	15-JAN-2011 04:33:52	Twilight	47.500	80	7Del Sco	2.3160	30000.	95	46412	No
58	GOM_TRA_1PNPDE20110115_044104_000000403098_00277_46412_4104.N1	15-JAN-2011 04:41:04	Dark	40.000	109	Bet Lup	2.6770	26000.	80	46412	No
59	GOM_TRA_1PNPDE20110115_044234_000000433098_00277_46412_4105.N1	15-JAN-2011 04:42:34	Dark	42.500	78	Alp Lup	2.3040	28000.	85	46412	No
60	GOM_TRA_1PNPDE20110115_044435_000000413098_00278_46413_4106.N1	15-JAN-2011 04:44:35	Dark	41.000	95	Zet Cen	2.5450	26000.	82	46413	No
61	GOM_TRA_1PNPDE20110115_044839_000000423098_00278_46413_4107.N1	15-JAN-2011 04:48:39	Dark	42.000	20	Bet Cru	1.2530	30000.	84	46413	No
62	GOM_TRA_1PNPDE20110115_045604_000000383098_00278_46413_4108.N1	15-JAN-2011 04:56:04	Dark	38.000	71	lot Car	2.2460	7700.0	76	46413	No
63	GOM_TRA_1PNPDE20110115_045754_000000453098_00278_46413_4109.N1	15-JAN-2011 04:57:54	Dark	45.000	46	Del Vel	1.9540	10600.	90	46413	No
64	GOM_TRA_1PNPDE20110115_050036_000000423098_00278_46413_4110.N1	15-JAN-2011 05:00:36	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	46413	No
65	GOM_TRA_1PNPDE20110115_050244_000000453098_00278_46413_4111.N1	15-JAN-2011 05:02:44	Dark	44.500	70	Zet Pup	2.2460	39000.	89	46413	No
66	GOM_TRA_1PNPDE20110115_050631_000000443098_00278_46413_4112.N1	15-JAN-2011 05:06:31	Straylight	43.500	88	31Eta CMa	2.4480	20000.	87	46413	No
67	GOM_TRA_1PNPDE20110115_050822_000000403098_00278_46413_4113.N1	15-JAN-2011 05:08:22	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	46413	No
68	GOM_TRA_1PNPDE20110115_051719_000000533098_00278_46413_4114.N1	15-JAN-2011 05:17:19	Twilight	53.000	8	10Alp CMi	0.40000	6500.0	106	46413	No

69	GOM_TRA_1PNPDE20110115_052014_000000443098_00278_46413_4115.N1	15-JAN-2011 05:20:14	Bright	44.000	44	24Gam Gem	1.9280	11000.	88	46413	No
70	GOM_TRA_1PNPDE20110115_052156_000000483098_00278_46413_4116.N1	15-JAN-2011 05:21:56	Bright	48.000	151	13Mu Gem	2.8900	3000.0	96	46413	No
71	GOM_TRA_1PNPDE20110115_052451_000000493098_00278_46413_4117.N1	15-JAN-2011 05:24:51	Bright	48.500	17	78Bet Gem	1.1610	4500.0	97	46413	No
72	GOM_TRA_1PNPDE20110115_054442_000000383098_00278_46413_4116.N1	15-JAN-2011 05:44:42	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	46413	Yes
73	GOM_TRA_1PNPDE20110115_054900_000000393098_00278_46413_4117.N1	15-JAN-2011 05:49:00	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46413	No
74	GOM_TRA_1PNPDE20110115_055750_000000493098_00278_46413_4118.N1	15-JAN-2011 05:57:50	Bright	48.500	133	40Zet Her	2.8070	6000.0	97	46413	No
75	GOM_TRA_1PNPDE20110115_060002_000000643098_00278_46413_4119.N1	15-JAN-2011 06:00:02	Bright	64.000	67	5Alp CrB	2.2210	11000.	128	46413	No
76	GOM_TRA_1PNPDE20110115_060624_000000623098_00278_46413_4120.N1	15-JAN-2011 06:06:24	Bright	62.000	102	24Alp Ser	2.6000	4250.0	124	46413	No
77	GOM_TRA_1PNPDE20110115_060832_000000393098_00278_46413_4121.N1	15-JAN-2011 06:08:32	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	46413	No
78	GOM_TRA_1PNPDE20110115_061211_000000523098_00278_46413_4122.N1	15-JAN-2011 06:12:11	Twilight	51.500	104	27Bet Lib	2.6140	13100.	103	46413	No
79	GOM_TRA_1PNPDE20110115_061406_000000473098_00278_46413_4123.N1	15-JAN-2011 06:14:06	Twilight	46.500	80	7Del Sco	2.3160	30000.	93	46413	No
80	GOM_TRA_1PNPDE20110115_062118_000000413098_00278_46413_4124.N1	15-JAN-2011 06:21:18	Dark	40.500	109	Bet Lup	2.6770	26000.	81	46413	No
81	GOM_TRA_1PNPDE20110115_062249_000000413098_00278_46413_4125.N1	15-JAN-2011 06:22:49	Dark	41.000	78	Alp Lup	2.3040	28000.	82	46413	No
82	GOM_TRA_1PNPDE20110115_062450_000000433098_00279_46414_4126.N1	15-JAN-2011 06:24:50	Dark	42.500	95	Zet Cen	2.5450	26000.	85	46414	No
83	GOM_TRA_1PNPDE20110115_062854_000000473098_00279_46414_4127.N1	15-JAN-2011 06:28:54	Dark	47.000	20	Bet Cru	1.2530	30000.	94	46414	No
84	GOM_TRA_1PNPDE20110115_063454_000000473098_00279_46414_4128.N1	15-JAN-2011 06:34:54	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46414	No
85	GOM_TRA_1PNPDE20110115_063808_000000513098_00279_46414_4129.N1	15-JAN-2011 06:38:08	Dark	50.500	46	Del Vel	1.9540	10600.	101	46414	No
86	GOM_TRA_1PNPDE20110115_064051_000000413098_00279_46414_4130.N1	15-JAN-2011 06:40:51	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	46414	No
87	GOM_TRA_1PNPDE20110115_064258_000000433098_00279_46414_4131.N1	15-JAN-2011 06:42:58	Dark	43.000	70	Zet Pup	2.2460	39000.	86	46414	No
88	GOM_TRA_1PNPDE20110115_064645_000000423098_00279_46414_4132.N1	15-JAN-2011 06:46:45	Straylight	42.000	88	31Eta CMa	2.4480	20000.	84	46414	No
89	GOM_TRA_1PNPDE20110115_064837_000000413098_00279_46414_4133.N1	15-JAN-2011 06:48:37	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	46414	No
90	GOM_TRA_1PNPDE20110115_065733_000000573098_00279_46414_4134.N1	15-JAN-2011 06:57:33	Twilight	57.000	8	10Alp CMi	0.40000	6500.0	114	46414	No
91	GOM_TRA_1PNPDE20110115_070028_000000553098_00279_46414_4135.N1	15-JAN-2011 07:00:28	Bright	55.000	44	24Gam Gem	1.9280	11000.	110	46414	No
92	GOM_TRA_1PNPDE20110115_070210_000000413098_00279_46414_4136.N1	15-JAN-2011 07:02:10	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	46414	No
93	GOM_TRA_1PNPDE20110115_070504_000000483098_00279_46414_4137.N1	15-JAN-2011 07:05:04	Bright	48.000	17	78Bet Gem	1.1610	4500.0	96	46414	No
94	GOM_TRA_1PNPDE20110115_072456_000000363098_00279_46414_4138.N1	15-JAN-2011 07:24:56	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	46414	No
95	GOM_TRA_1PNPDE20110115_200003_000000403098_00287_46422_4208.N1	15-JAN-2011 20:00:03	Dark	39.500	46	Del Vel	1.9540	10600.	79	46422	No
96	GOM_TRA_1PNPDE20110115_200246_000000423098_00287_46422_4209.N1	15-JAN-2011 20:02:46	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	46422	No
97	GOM_TRA_1PNPDE20110115_200453_000000443098_00287_46422_4210.N1	15-JAN-2011 20:04:53	Dark	44.000	70	Zet Pup	2.2460	39000.	88	46422	No
98	GOM_TRA_1PNPDE20110115_200839_000000423098_00287_46422_4211.N1	15-JAN-2011 20:08:39	Straylight	42.000	88	31Eta CMa	2.4480	20000.	84	46422	No
99	GOM_TRA_1PNPDE20110115_201030_000000403098_00287_46422_4212.N1	15-JAN-2011 20:10:30	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	46422	No
100	GOM_TRA_1PNPDE20110115_201923_000000533098_00287_46422_4213.N1	15-JAN-2011 20:19:23	Twilight	52.500	8	10Alp CMi	0.40000	6500.0	105	46422	No
101	GOM_TRA_1PNPDE20110115_202219_000000453098_00287_46422_4214.N1	15-JAN-2011 20:22:19	Bright	45.000	44	24Gam Gem	1.9280	11000.	90	46422	No
102	GOM_TRA_1PNPDE20110115_202402_000000403098_00287_46422_4215.N1	15-JAN-2011 20:24:02	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	46422	No
103	GOM_TRA_1PNPDE20110115_202653_000000483098_00287_46422_4216.N1	15-JAN-2011 20:26:53	Bright	48.000	17	78Bet Gem	1.1610	4500.0	96	46422	No
104	GOM_TRA_1PNPDE20110115_204647_000000373098_00287_46422_4217.N1	15-JAN-2011 20:46:47	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	46422	No
105	GOM_TRA_1PNPDE20110115_205106_000000383098_00287_46422_4218.N1	15-JAN-2011 20:51:06	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	46422	No
106	GOM_TRA_1PNPDE20110115_205957_000000553098_00287_46422_4219.N1	15-JAN-2011 20:59:57	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46422	No
107	GOM_TRA_1PNPDE20110115_210210_000000443098_00287_46422_4220.N1	15-JAN-2011 21:02:10	Bright	44.000	67	5Alp CrB	2.2210	11000.	88	46422	No
108	GOM_TRA_1PNPDE20110115_210835_000000633098_00287_46422_4236.N1	15-JAN-2011 21:08:35	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46422	Yes
109	GOM_TRA_1PNPDE20110115_211042_000000573098_00287_46422_4237.N1	15-JAN-2011 21:10:42	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46422	No
110	GOM_TRA_1PNPDE20110115_211425_000000533098_00287_46422_4238.N1	15-JAN-2011 21:14:25	Twilight	52.500	104	27Bet Lib	2.6140	13100.	105	46422	No
111	GOM_TRA_1PNPDE20110115_211617_000000473098_00287_46422_4239.N1	15-JAN-2011 21:16:17	Twilight	46.500	80	7Del Sco	2.3160	30000.	93	46422	No
112	GOM_TRA_1PNPDE20110115_211741_000000513098_00287_46422_4240.N1	15-JAN-2011 21:17:41	Dark	51.000	122	9Alp2Lib	2.7470	9700.0	102	46422	No
113	GOM_TRA_1PNPDE20110115_212330_000000413098_00287_46422_4241.N1	15-JAN-2011 21:23:30	Dark	41.000	109	Bet Lup	2.6770	26000.	82	46422	No
114	GOM_TRA_1PNPDE20110115_212501_000000413098_00287_46422_4242.N1	15-JAN-2011 21:25:01	Dark	41.000	78	Alp Lup	2.3040	28000.	82	46422	No
115	GOM_TRA_1PNPDE20110115_212703_000000443098_00288_46423_4243.N1	15-JAN-2011 21:27:03	Dark	44.000	95	Zet Cen	2.5450	26000.	88	46423	No
116	GOM_TRA_1PNPDE20110115_213106_000000413098_00288_46423_4244.N1	15-JAN-2011 21:31:06	Dark	41.000	20	Bet Cru	1.2530	30000.	82	46423	No
117	GOM_TRA_1PNPDE20110115_213707_000000523098_00288_46423_4245.N1	15-JAN-2011 21:37:07	Dark	51.500	113	Mu Vel	2.6920	5000.0	103	46423	No
118	GOM_TRA_1PNPDE20110115_214018_000000423098_00288_46423_4246.N1	15-JAN-2011 21:40:18	Dark	41.500	46	Del Vel	1.9540	10600.	83	46423	No
119	GOM_TRA_1PNPDE20110115_214300_000000463098_00288_46423_4247.N1	15-JAN-2011 21:43:00	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	46423	No
120	GOM_TRA_1PNPDE20110115_214508_000000443098_00288_46423_4248.N1	15-JAN-2011 21:45:08	Dark	43.500	70	Zet Pup	2.2460	39000.	87	46423	No
121	GOM_TRA_1PNPDE20110115_214853_000000443098_00288_46423_4249.N1	15-JAN-2011 21:48:53	Straylight	43.500	88	31Eta CMa	2.4480	20000.	87	46423	No
122	GOM_TRA_1PNPDE20110115_215044_000000403098_00288_46423_4250.N1	15-JAN-2011 21:50:44	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	46423	No
123	GOM_TRA_1PNPDE20110115_215937_000000543098_00288_46423_4251.N1	15-JAN-2011 21:59:37	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	46423	No
124	GOM_TRA_1PNPDE20110115_220233_000000403098_00288_46423_4252.N1	15-JAN-2011 22:02:33	Bright	40.000	44	24Gam Gem	1.9280	11000.	80	46423	No
125	GOM_TRA_1PNPDE20110115_220416_000000403098_00288_46423_4253.N1	15-JAN-2011 22:04:16	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	46423	No
126	GOM_TRA_1PNPDE20110115_220706_000000483098_00288_46423_4254.N1	15-JAN-2011 22:07:06	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46423	No
127	GOM_TRA_1PNPDE20110115_222701_000000373098_00288_46423_4255.N1	15-JAN-2011 22:27:01	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	46423	No

128	GOM_TRA_1PNPDE20110115_223120_000000373098_00288_46423_4256.N1	15-JAN-2011 22:31:20	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	46423	No
129	GOM_TRA_1PNPDE20110115_224011_000000373098_00288_46423_4257.N1	15-JAN-2011 22:40:11	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	46423	No
130	GOM_TRA_1PNPDE20110115_224225_000000593098_00288_46423_4258.N1	15-JAN-2011 22:42:25	Bright	58.500	67	5Alp CrB	2.2210	11000.	117	46423	No
131	GOM_TRA_1PNPDE20110115_224849_000000633098_00288_46423_4259.N1	15-JAN-2011 22:48:49	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46423	No
132	GOM_TRA_1PNPDE20110115_225056_000000573098_00288_46423_4260.N1	15-JAN-2011 22:50:56	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46423	No
133	GOM_TRA_1PNPDE20110115_225439_000000503098_00288_46423_4265.N1	15-JAN-2011 22:54:39	Twilight	49.500	104	27Bet Lib	2.6140	13100.	99	46423	No
134	GOM_TRA_1PNPDE20110115_225632_000000483098_00288_46423_4266.N1	15-JAN-2011 22:56:32	Twilight	47.500	80	7Del Sco	2.3160	30000.	95	46423	No
135	GOM_TRA_1PNPDE20110115_225756_000000543098_00288_46423_4267.N1	15-JAN-2011 22:57:56	Dark	53.500	122	9Alp2Lib	2.7470	9700.0	107	46423	No
136	GOM_TRA_1PNPDE20110115_230345_000000423098_00288_46423_4268.N1	15-JAN-2011 23:03:45	Dark	41.500	109	Bet Lup	2.6770	26000.	83	46423	No
137	GOM_TRA_1PNPDE20110115_230515_000000423098_00288_46423_4269.N1	15-JAN-2011 23:05:15	Dark	41.500	78	Alp Lup	2.3040	28000.	83	46423	No
138	GOM_TRA_1PNPDE20110115_230718_000000453098_00289_46424_4270.N1	15-JAN-2011 23:07:18	Dark	44.500	95	Zet Cen	2.5450	26000.	89	46424	No
139	GOM_TRA_1PNPDE20110115_231120_000000423098_00289_46424_4271.N1	15-JAN-2011 23:11:20	Dark	42.000	20	Bet Cru	1.2530	30000.	84	46424	No
140	GOM_TRA_1PNPDE20110115_231722_000000473098_00289_46424_4272.N1	15-JAN-2011 23:17:22	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46424	No
141	GOM_TRA_1PNPDE20110115_232032_000000443098_00289_46424_4273.N1	15-JAN-2011 23:20:32	Dark	43.500	46	Del Vel	1.9540	10600.	87	46424	No
142	GOM_TRA_1PNPDE20110115_232314_000000433098_00289_46424_4274.N1	15-JAN-2011 23:23:14	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	46424	No
143	GOM_TRA_1PNPDE20110115_232522_000000423098_00289_46424_4275.N1	15-JAN-2011 23:25:22	Dark	42.000	70	Zet Pup	2.2460	39000.	84	46424	No
144	GOM_TRA_1PNPDE20110115_232908_000000443098_00289_46424_4276.N1	15-JAN-2011 23:29:08	Straylight	43.500	88	31Eta CMa	2.4480	20000.	87	46424	No
145	GOM_TRA_1PNPDE20110115_233058_000000413098_00289_46424_4277.N1	15-JAN-2011 23:30:58	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	46424	No
146	GOM_TRA_1PNPDE20110115_233951_000000603098_00289_46424_4278.N1	15-JAN-2011 23:39:51	Twilight	60.000	8	10Alp CMi	0.40000	6500.0	120	46424	No
147	GOM_TRA_1PNPDE20110115_234247_000000523098_00289_46424_4279.N1	15-JAN-2011 23:42:47	Bright	51.500	44	24Gam Gem	1.9280	11000.	103	46424	No
148	GOM_TRA_1PNPDE20110115_234430_000000403098_00289_46424_4280.N1	15-JAN-2011 23:44:30	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	46424	No
149	GOM_TRA_1PNPDE20110115_234720_000000473098_00289_46424_4281.N1	15-JAN-2011 23:47:20	Bright	46.500	17	78Bet Gem	1.1610	4500.0	93	46424	No

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



4. Overview of dark signal processing per product

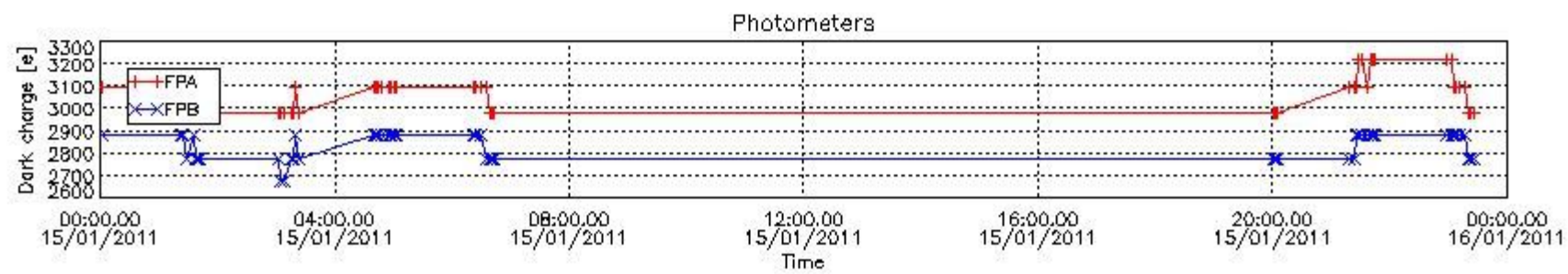
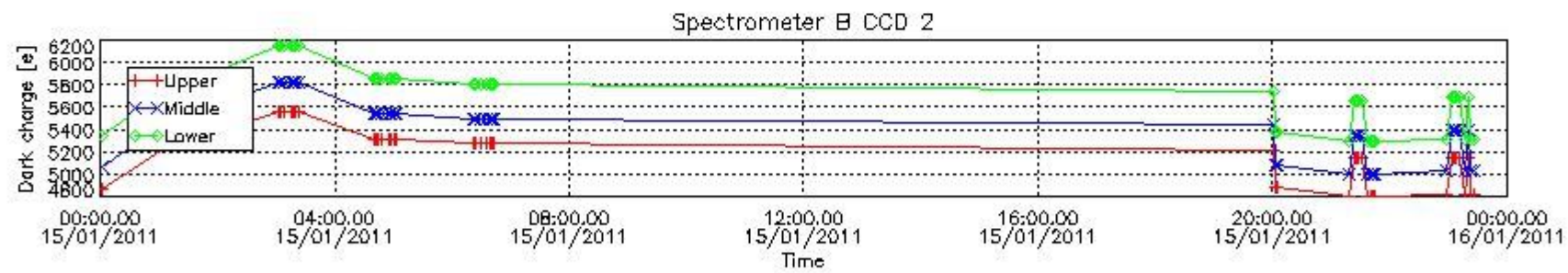
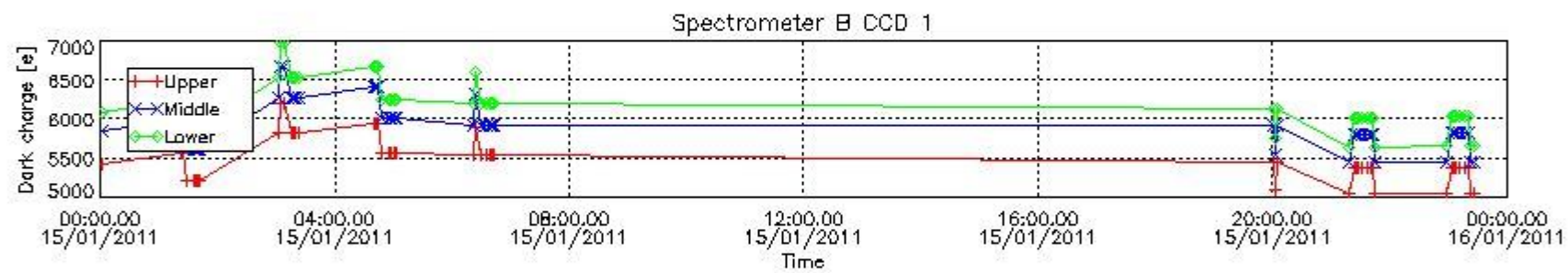
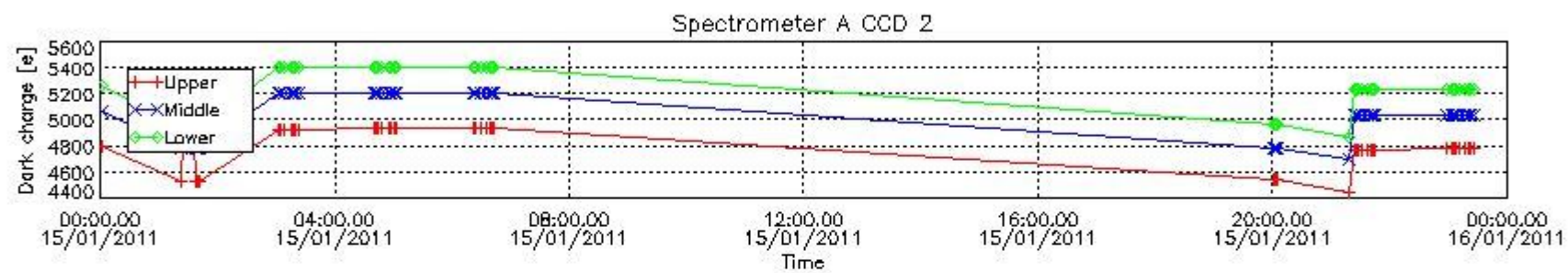
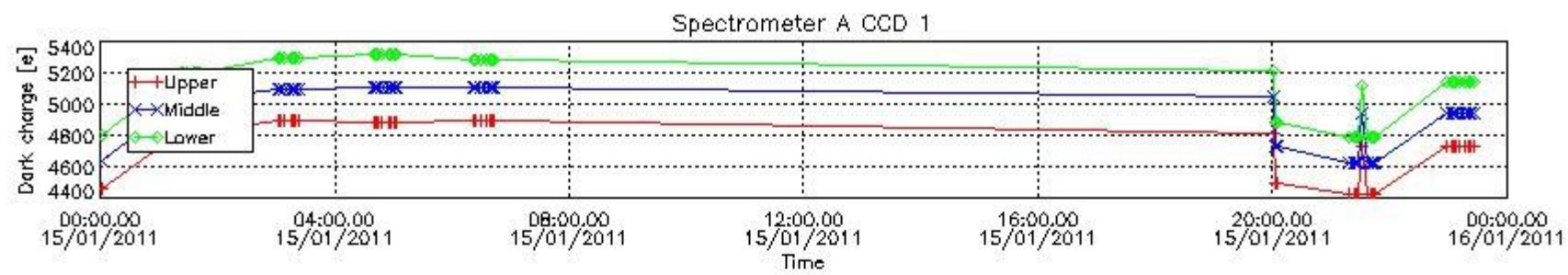
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110115_200003_000000403098_00287_46422_4208.N1	DC map used
GOM_TRA_1PNPDE20110115_200246_000000423098_00287_46422_4209.N1	DC map used
GOM_TRA_1PNPDE20110115_200453_000000443098_00287_46422_4210.N1	DC map used
GOM_TRA_1PNPDE20110115_200839_000000423098_00287_46422_4211.N1	DC map used
GOM_TRA_1PNPDE20110115_201030_000000403098_00287_46422_4212.N1	DC map used
GOM_TRA_1PNPDE20110115_201923_000000533098_00287_46422_4213.N1	DC map used
GOM_TRA_1PNPDE20110115_202219_000000453098_00287_46422_4214.N1	DC map used
GOM_TRA_1PNPDE20110115_202402_000000403098_00287_46422_4215.N1	DC map used
GOM_TRA_1PNPDE20110115_202653_000000483098_00287_46422_4216.N1	DC map used
GOM_TRA_1PNPDE20110115_204647_000000373098_00287_46422_4217.N1	DC map used
GOM_TRA_1PNPDE20110115_205106_000000383098_00287_46422_4218.N1	DC map used
GOM_TRA_1PNPDE20110115_205957_000000553098_00287_46422_4219.N1	DC map used
GOM_TRA_1PNPDE20110115_210210_000000443098_00287_46422_4220.N1	DC map used

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



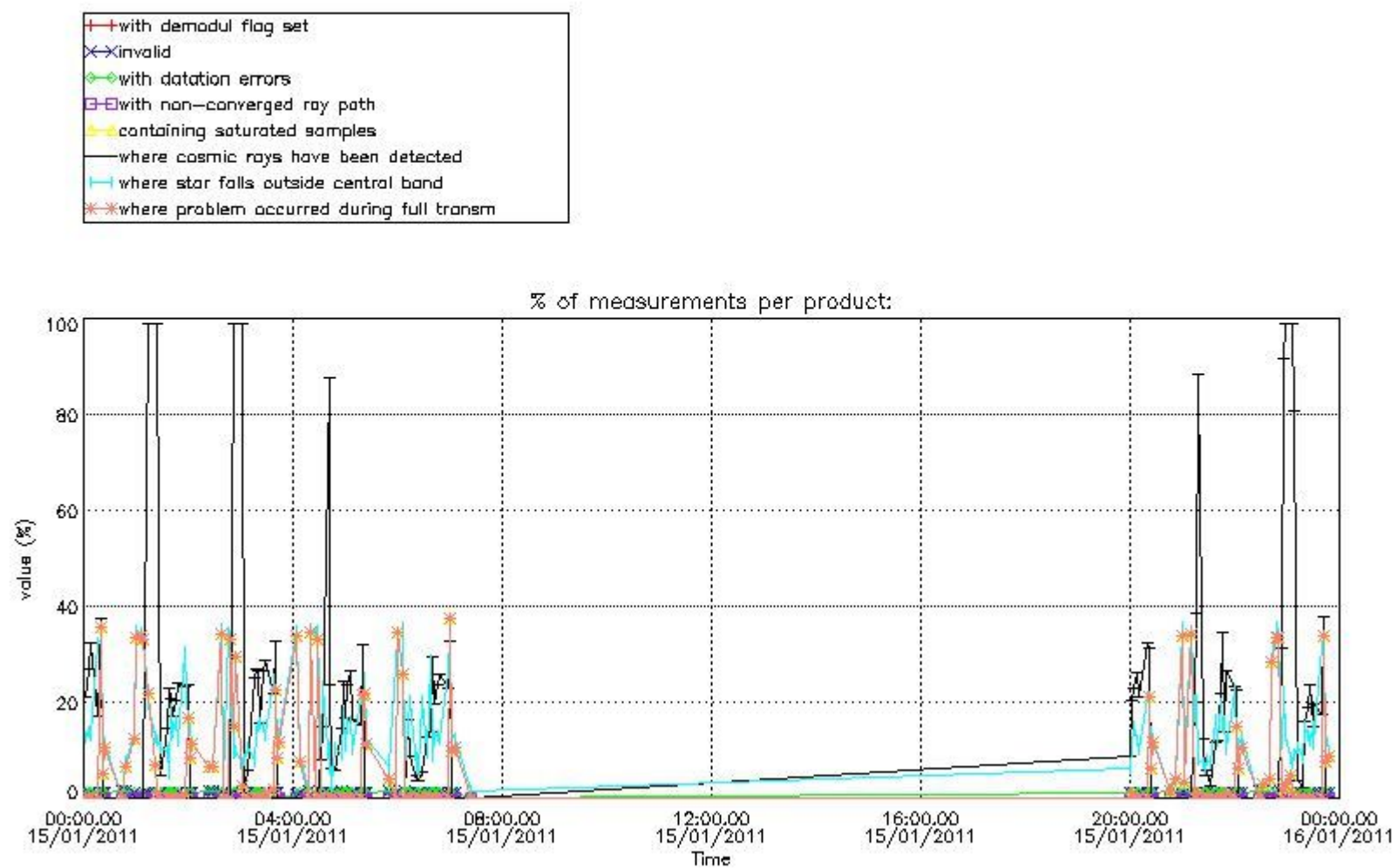
5. Demodulation flag and quality information monitoring

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.

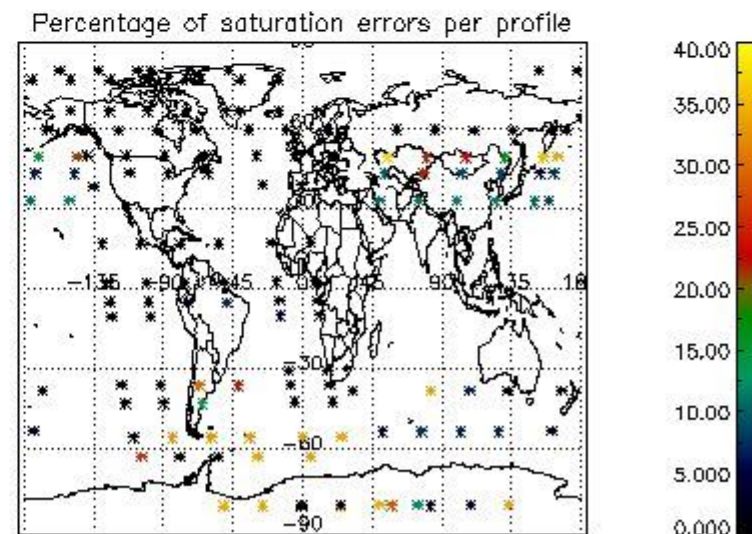
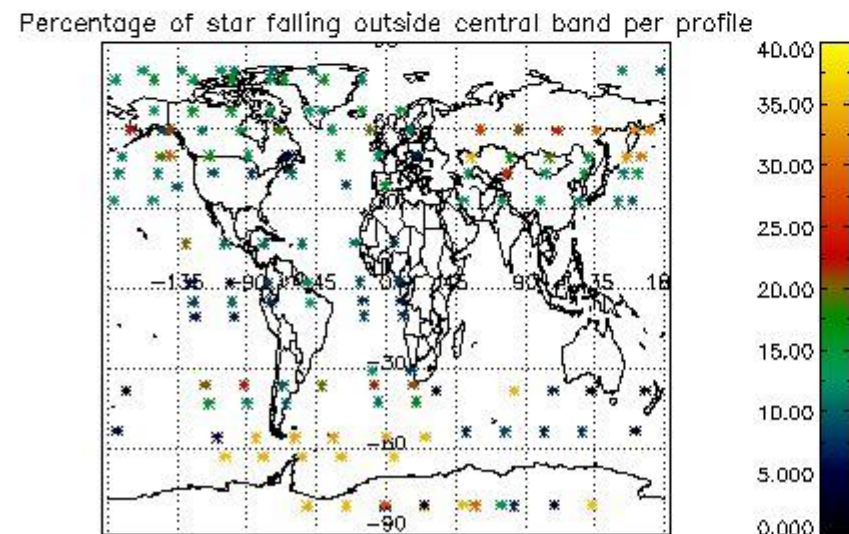
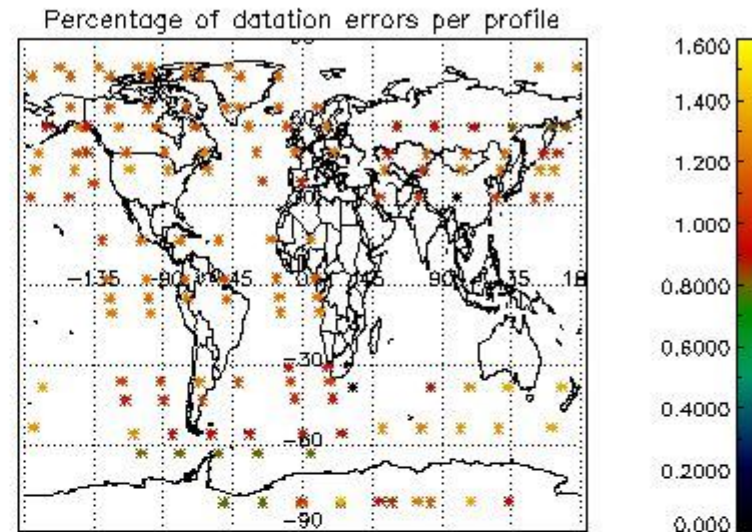
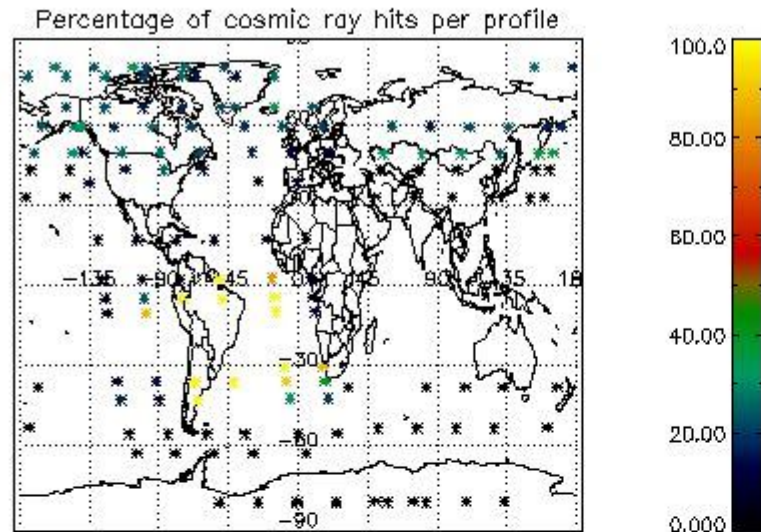
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	50.0000 %
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)



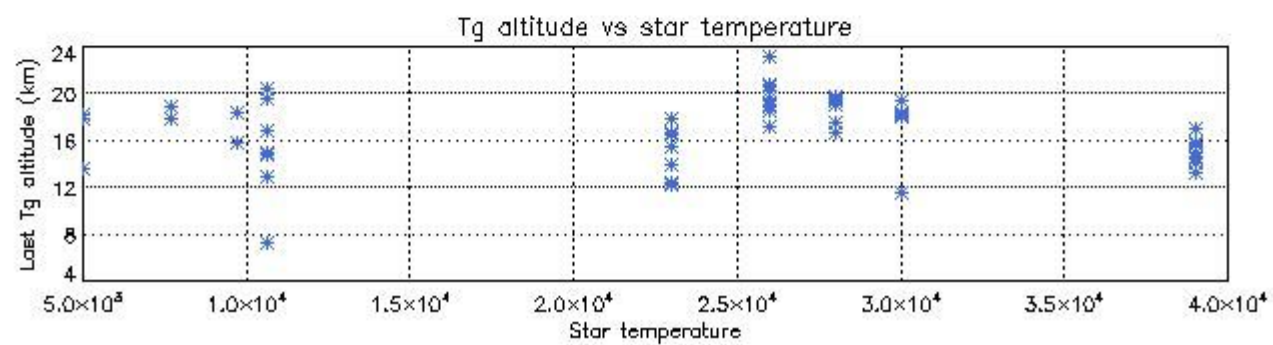
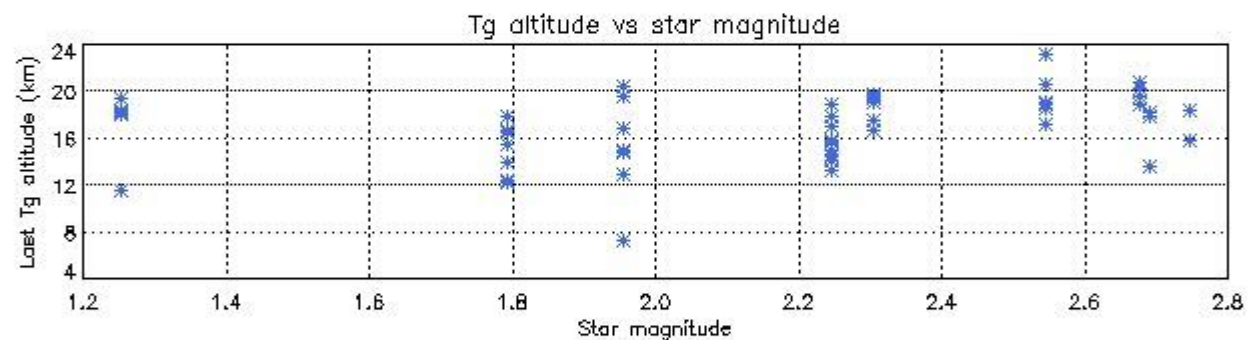
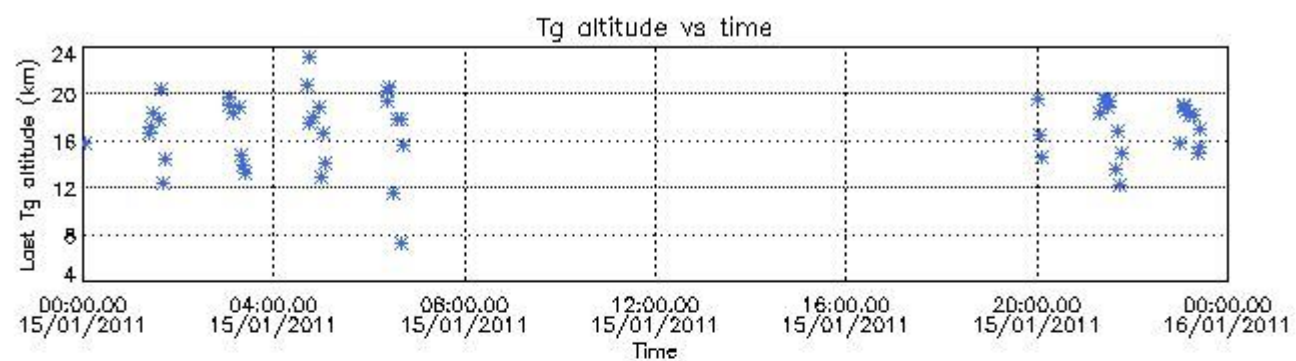
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.964	13.299	NaN
St. deviation:	2.8945	7.3818	NaN
Maximum:	23.095	27.491	NaN
Minimum:	7.1657	3.3721	NaN
Number of data:	52.000	59.000	NaN

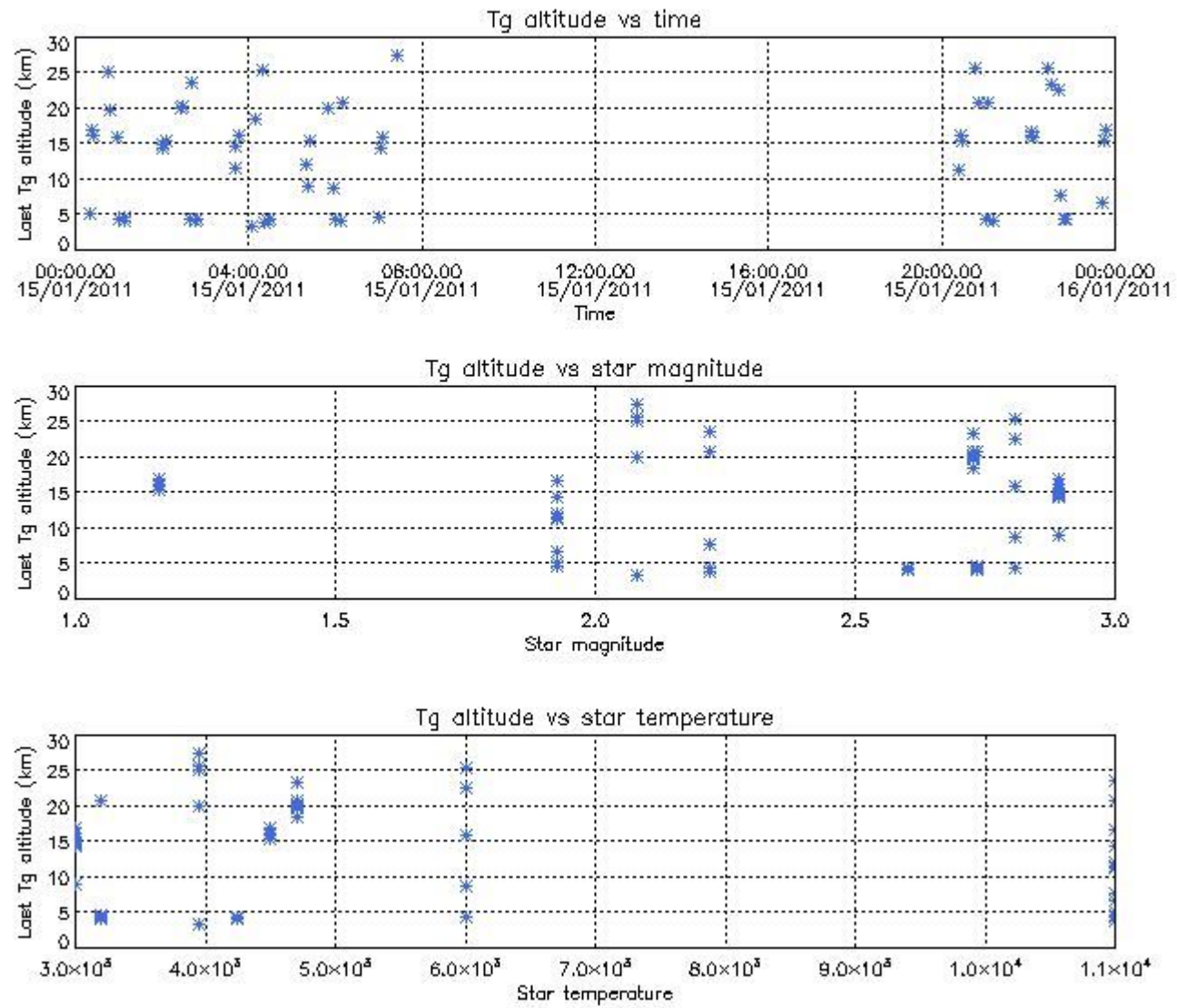
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

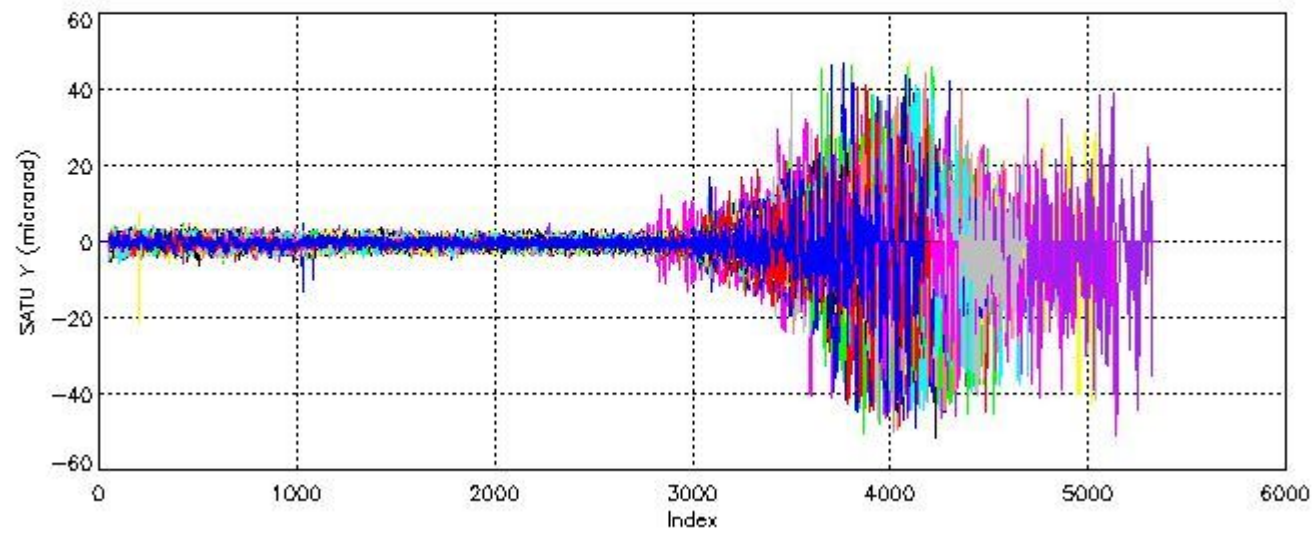
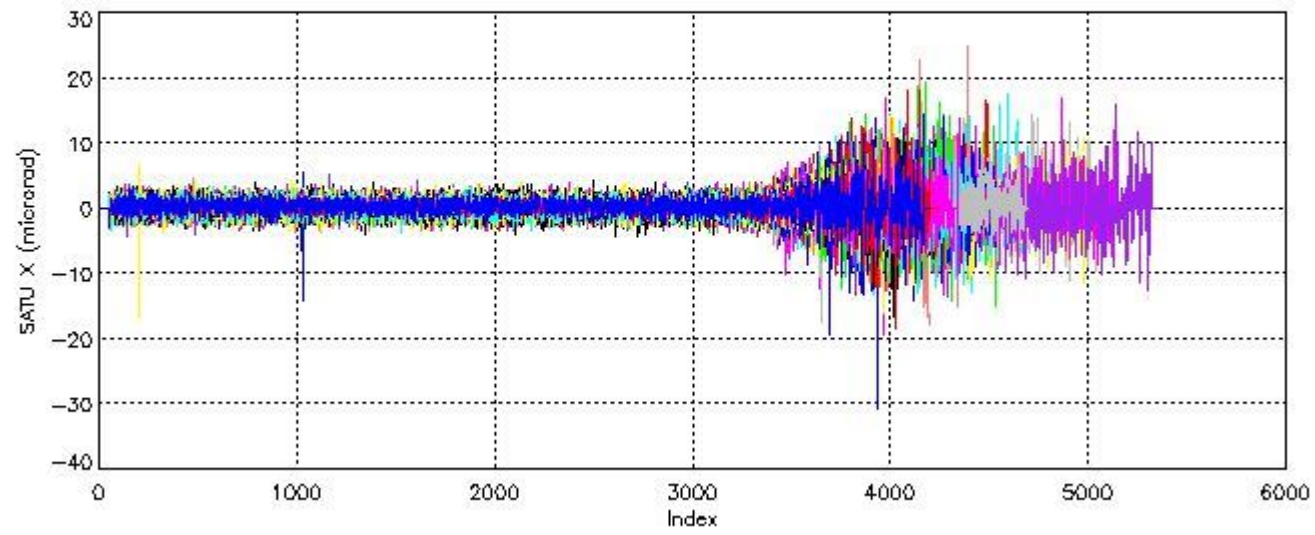


7. Star Acquisition and Tracking Unit (SATU)

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:	0.17504	-0.41762	0.14396	-0.38982
St. deviation:	0.72791	1.1520	0.52156	0.95938
Maximum:	6.6000	7.7000	3.8000	4.4000
Minimum:	-16.900	-20.900	-3.7000	-5.8000

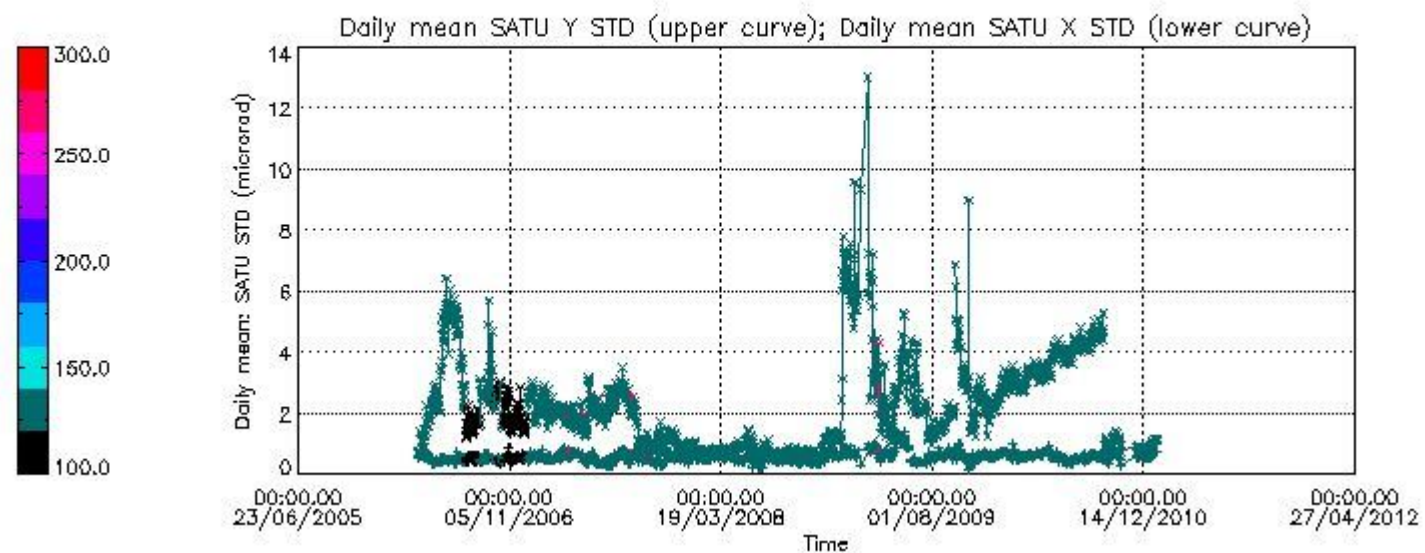
Number of data:	52150.	52150.	55750.	55750.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

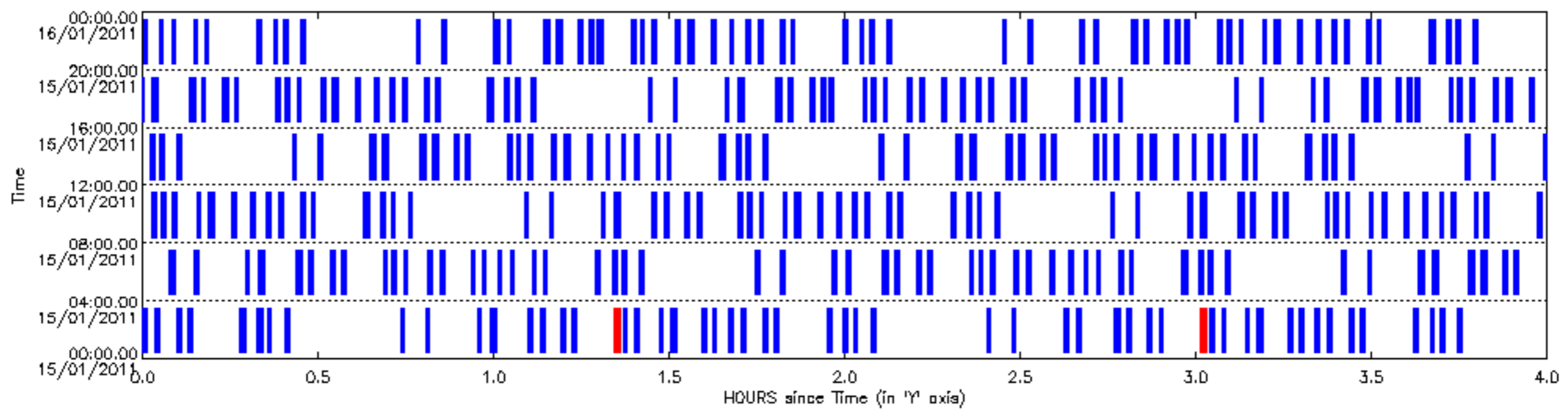
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

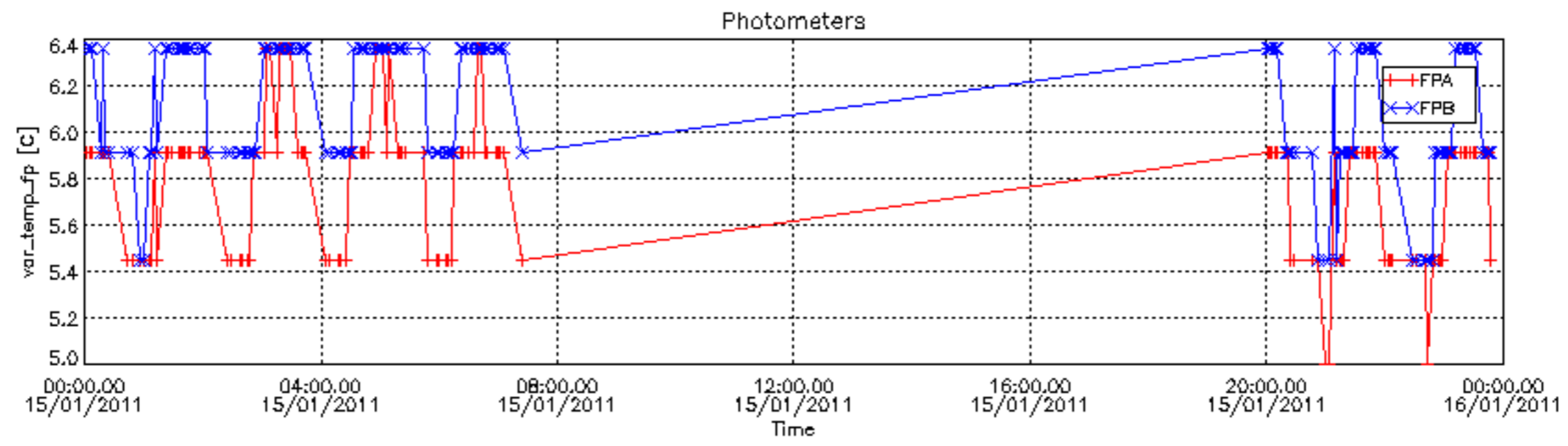
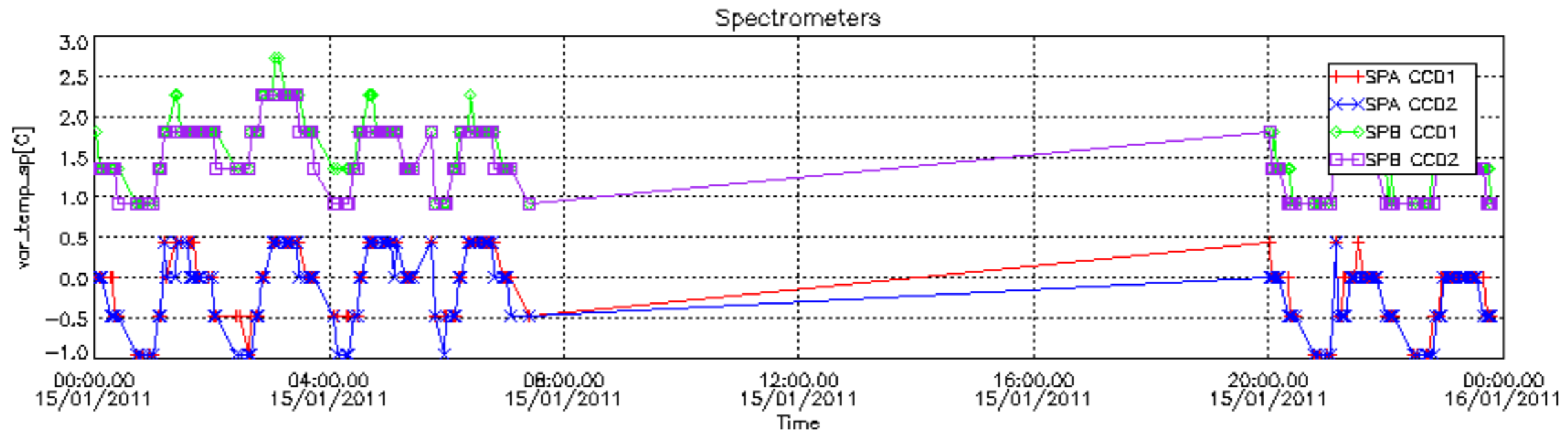


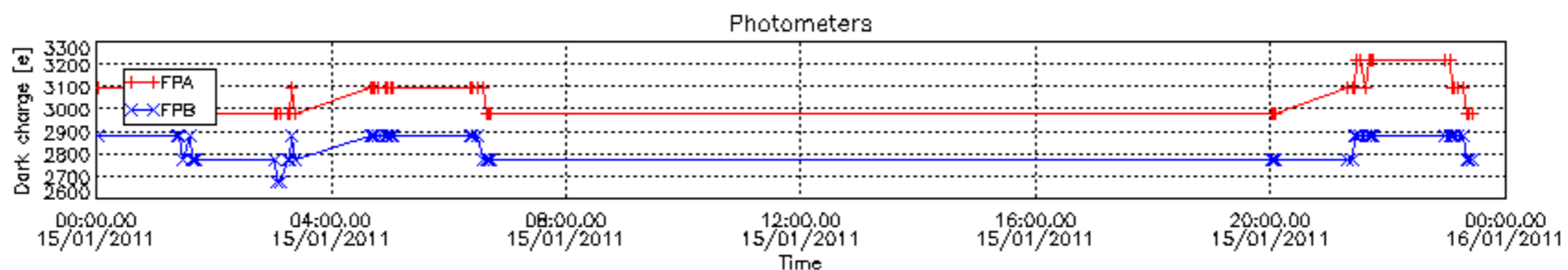
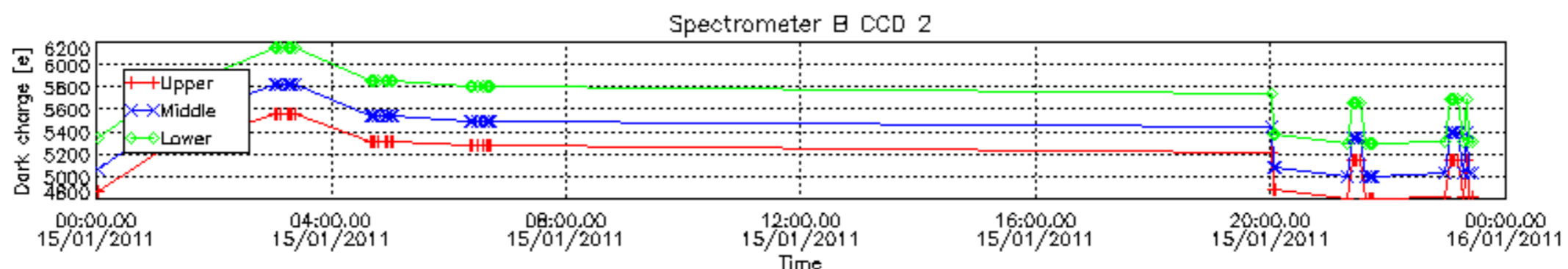
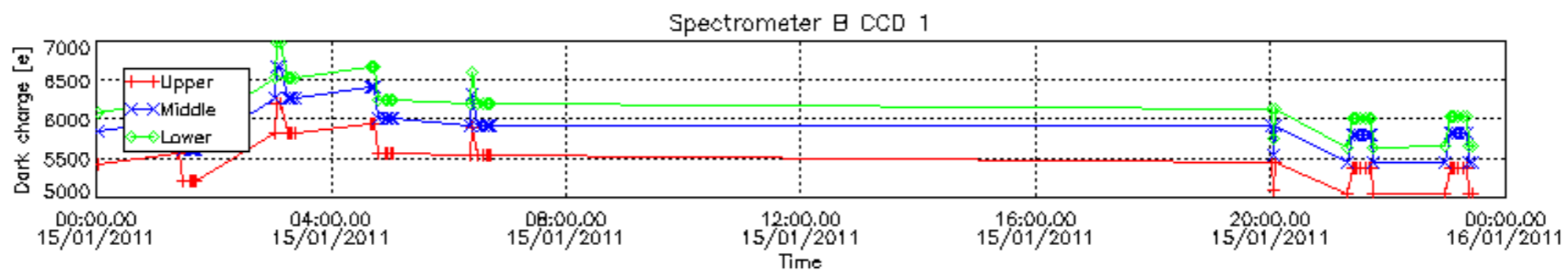
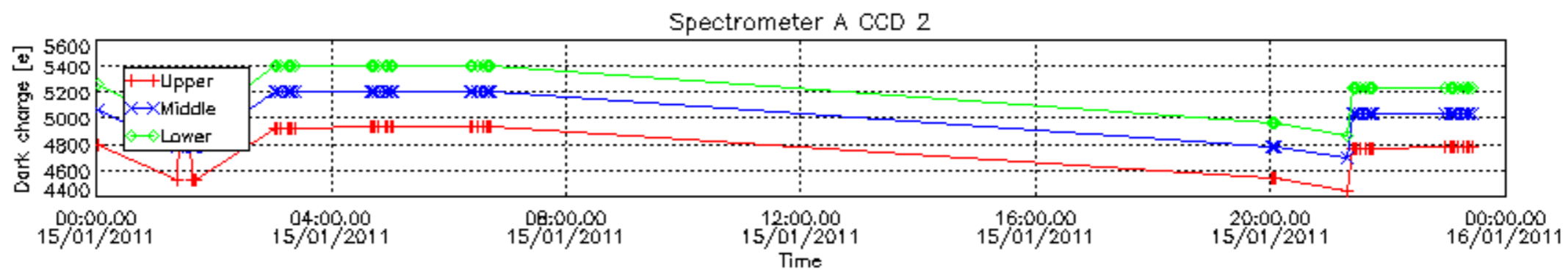
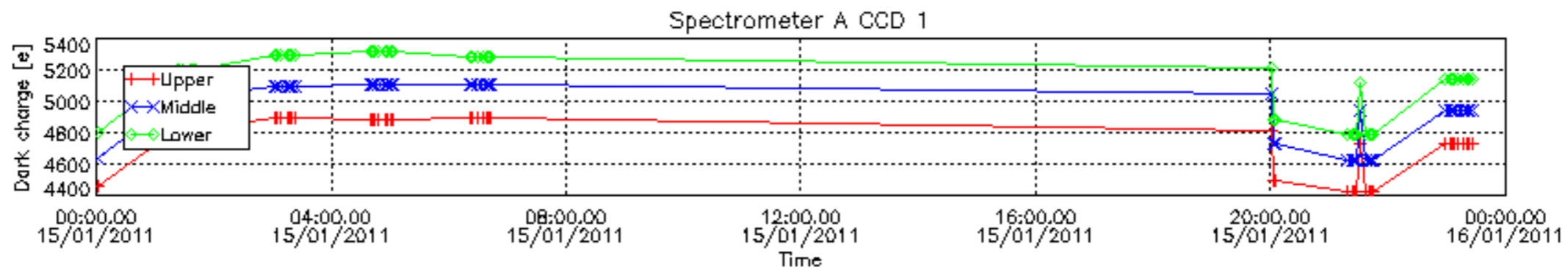
8. Auxiliary Data Files used for the production reported in section 2.4

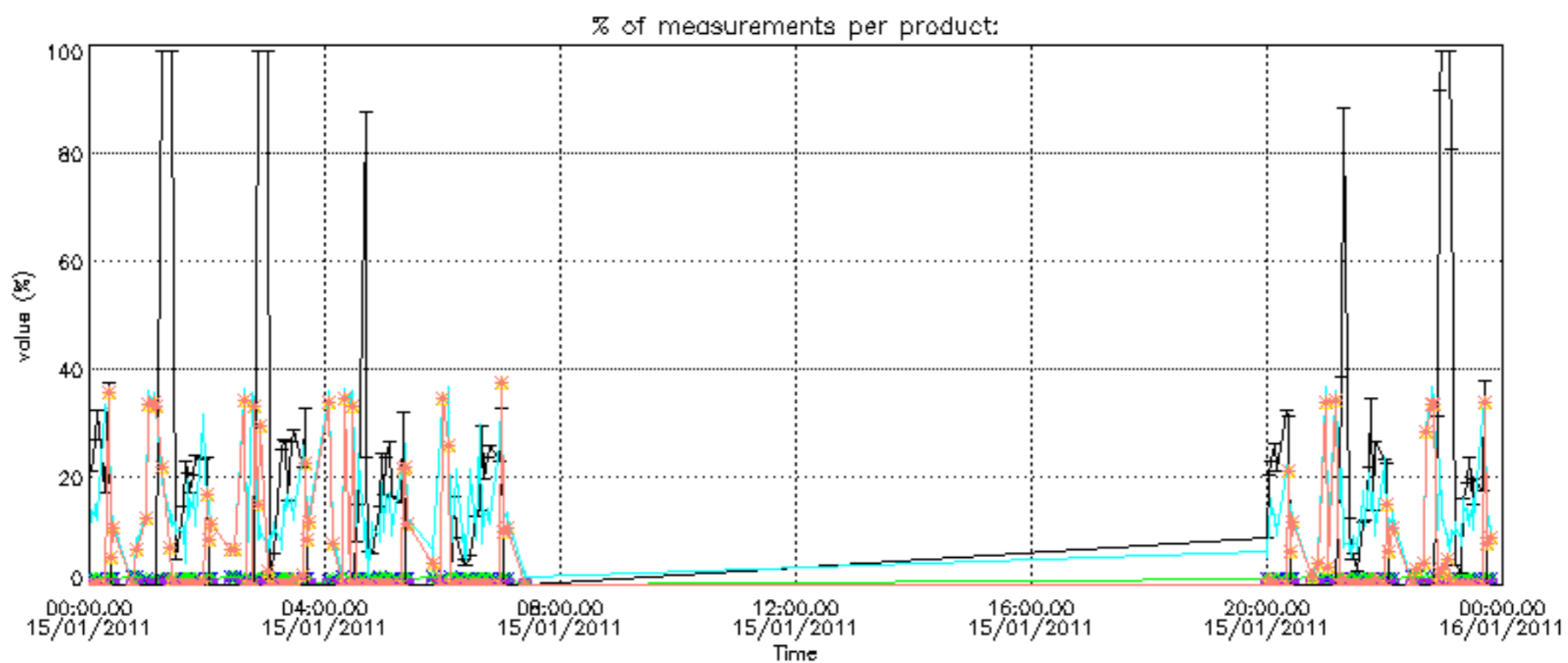
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-JAN-2011 00:02:01
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110111_101345_20110110_000000_20500101_000000	1	15-JAN-2011 00:02:01
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	15-JAN-2011 00:02:01
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	15-JAN-2011 00:02:01
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	15-JAN-2011 00:02:01
ECMWF_FILE	AUX_ECF_AXNECM20110114_052116_20110114_210000_20110115_090000	1	15-JAN-2011 00:02:01
ECMWF_FILE	AUX_ECF_AXNECM20110114_172116_20110115_030000_20110115_150000	50	15-JAN-2011 04:04:29
ECMWF_FILE	MISSING	95	15-JAN-2011 20:00:03
OPTIONAL_ECMWF_FILE	MISSING	1	15-JAN-2011 00:02:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110114_232648_000057383098_00274_46409_2327.N1	1	15-JAN-2011 00:02:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110115_010745_000098833098_00275_46410_2328.N1	14	15-JAN-2011 01:11:27
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110115_035747_000060573098_00277_46412_2329.N1	50	15-JAN-2011 04:04:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110115_054402_000057383098_00278_46413_2330.N1	72	15-JAN-2011 05:44:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110115_195927_000038253098_00287_46422_2331.N1	95	15-JAN-2011 20:00:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110115_210832_000060573098_00287_46422_2332.N1	108	15-JAN-2011 21:08:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110115_224929_000060573098_00288_46423_2333.N1	133	15-JAN-2011 22:54:39

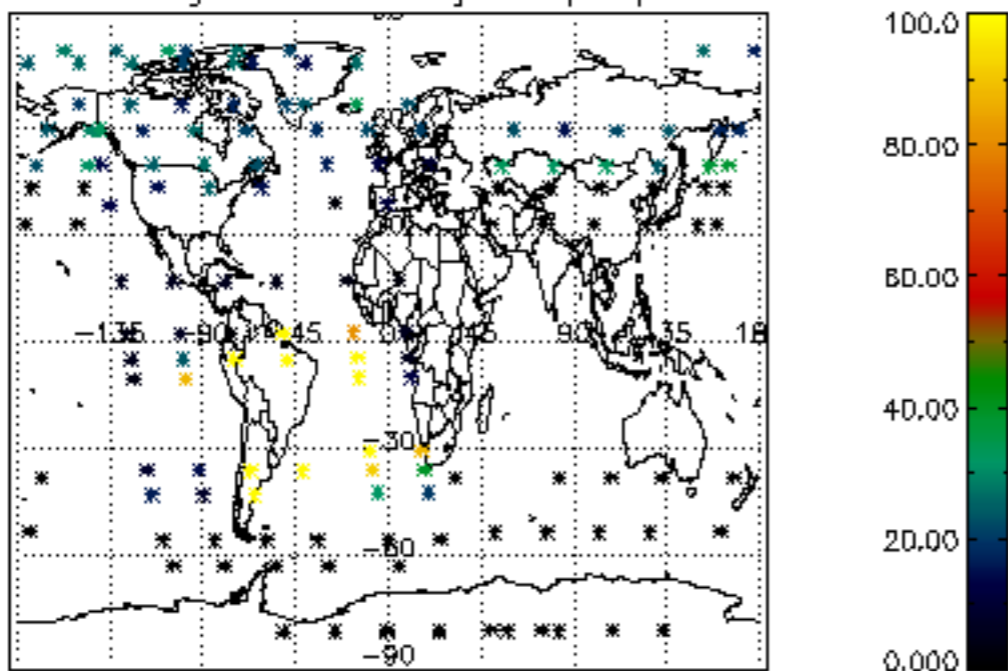




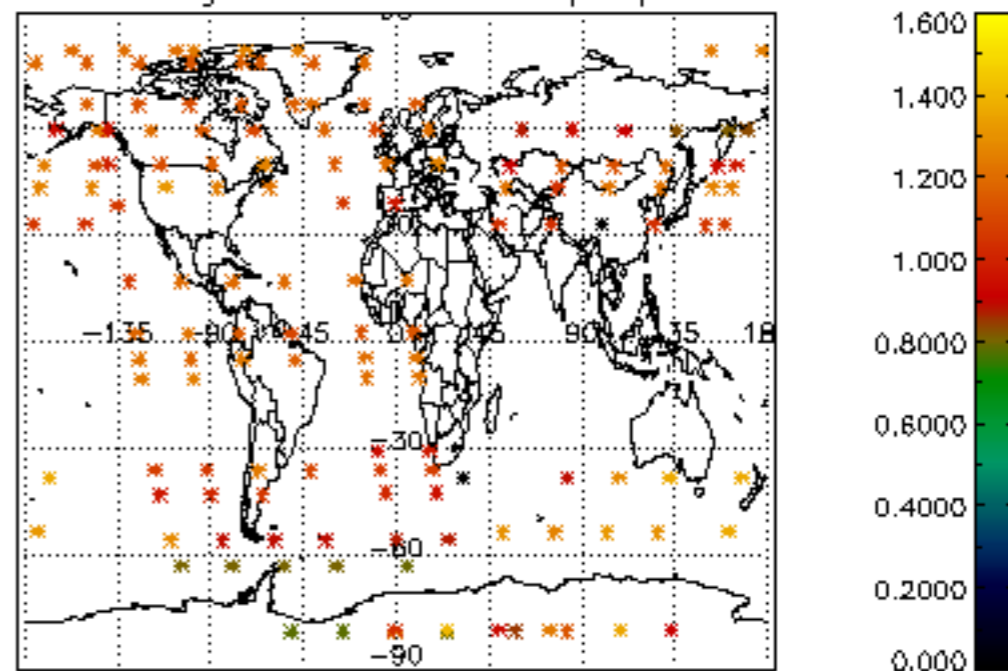




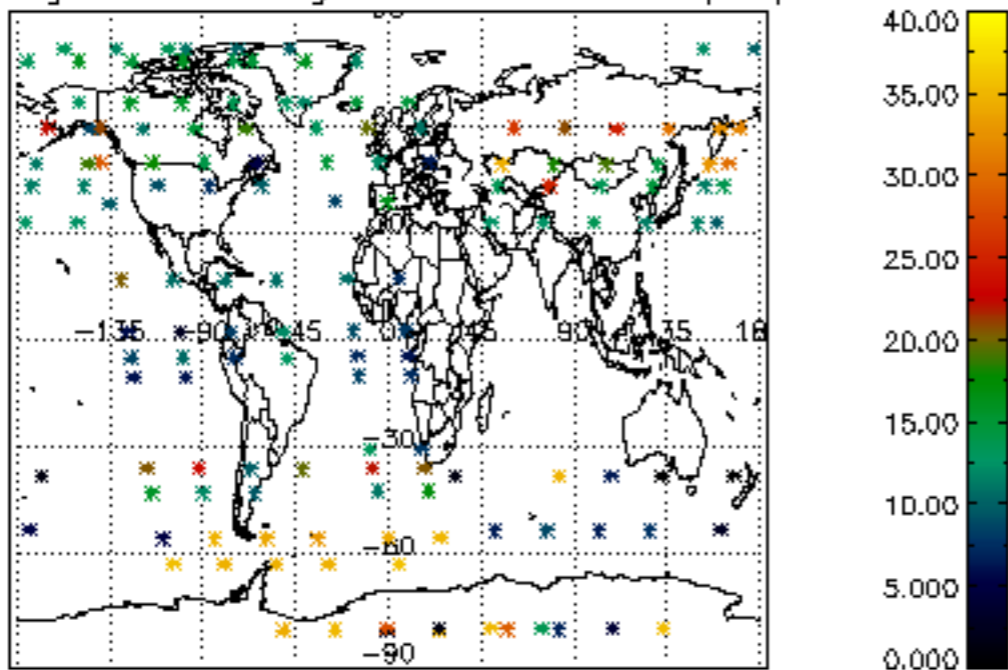
Percentage of cosmic ray hits per profile



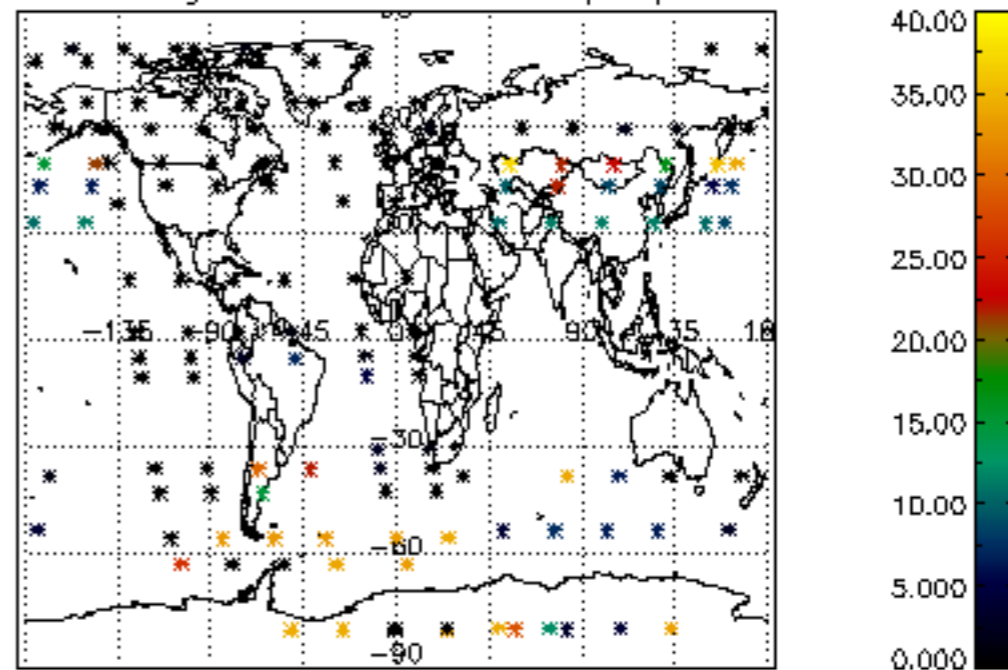
Percentage of datation errors per profile



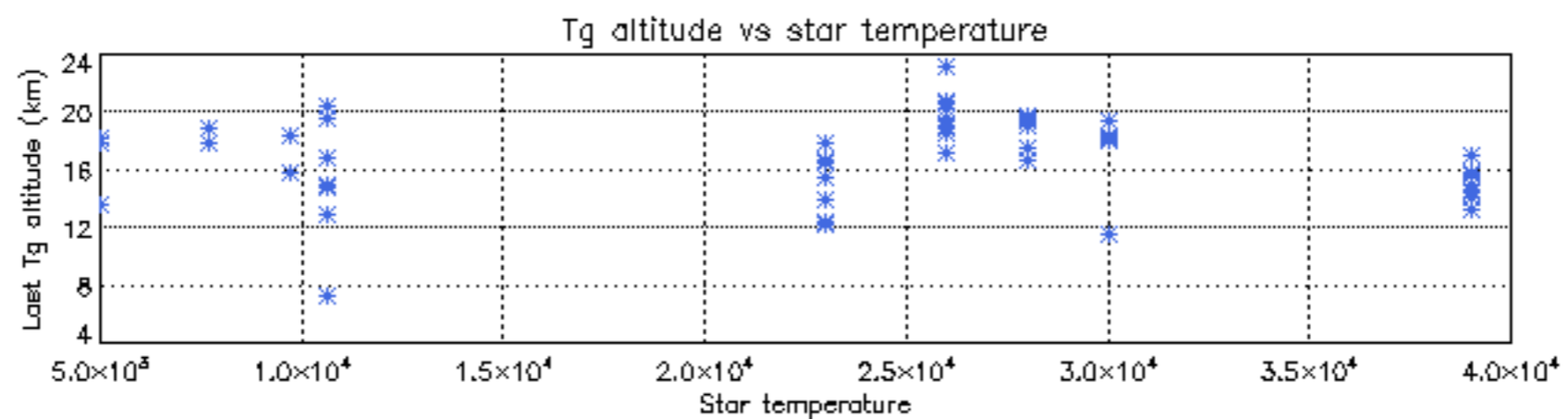
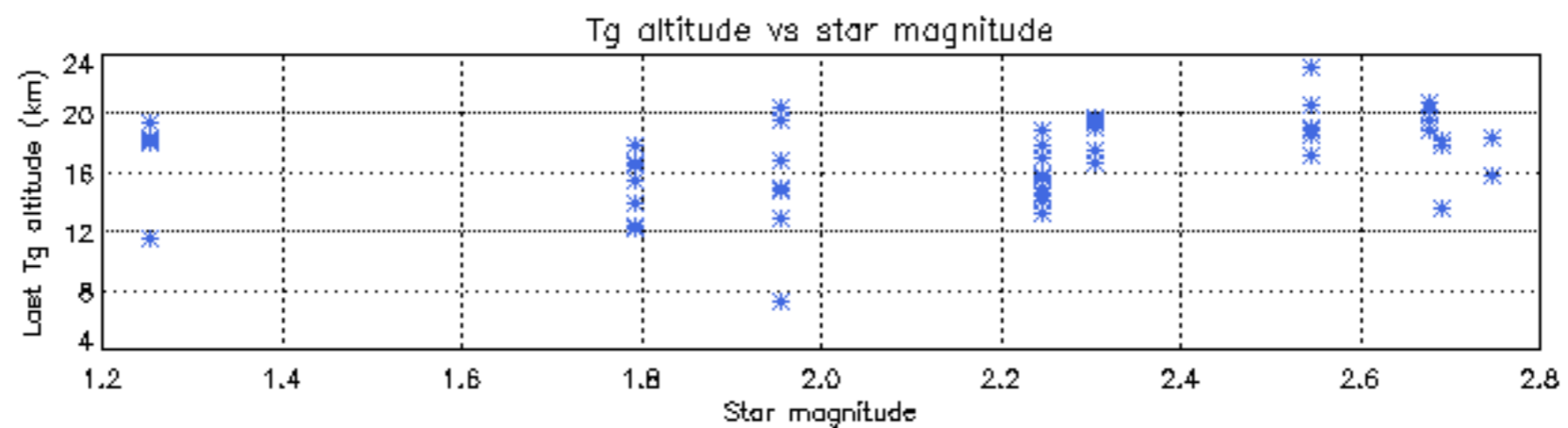
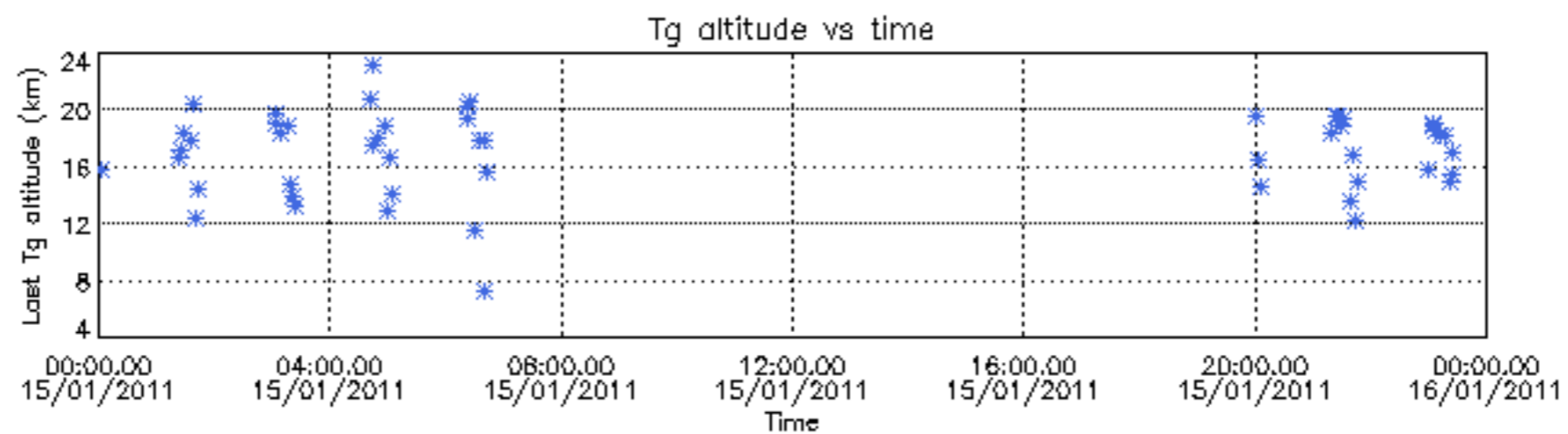
Percentage of star falling outside central band per profile



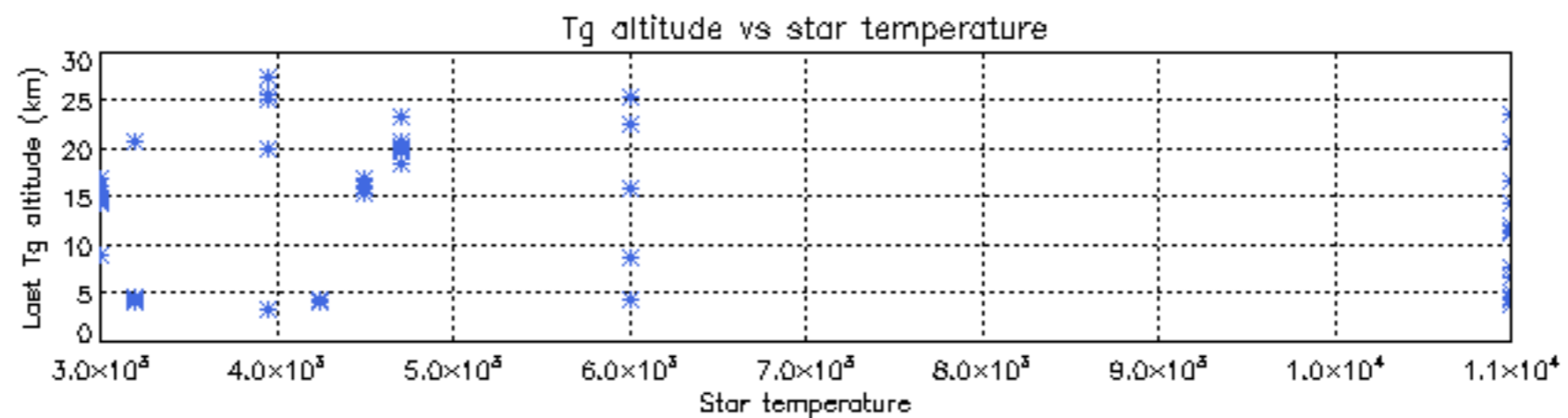
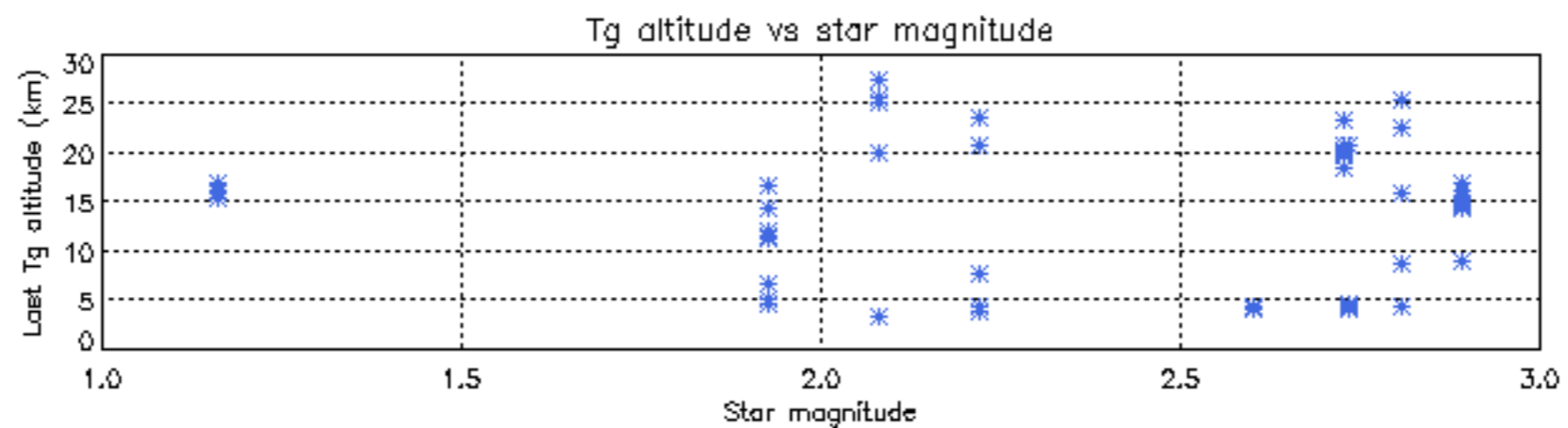
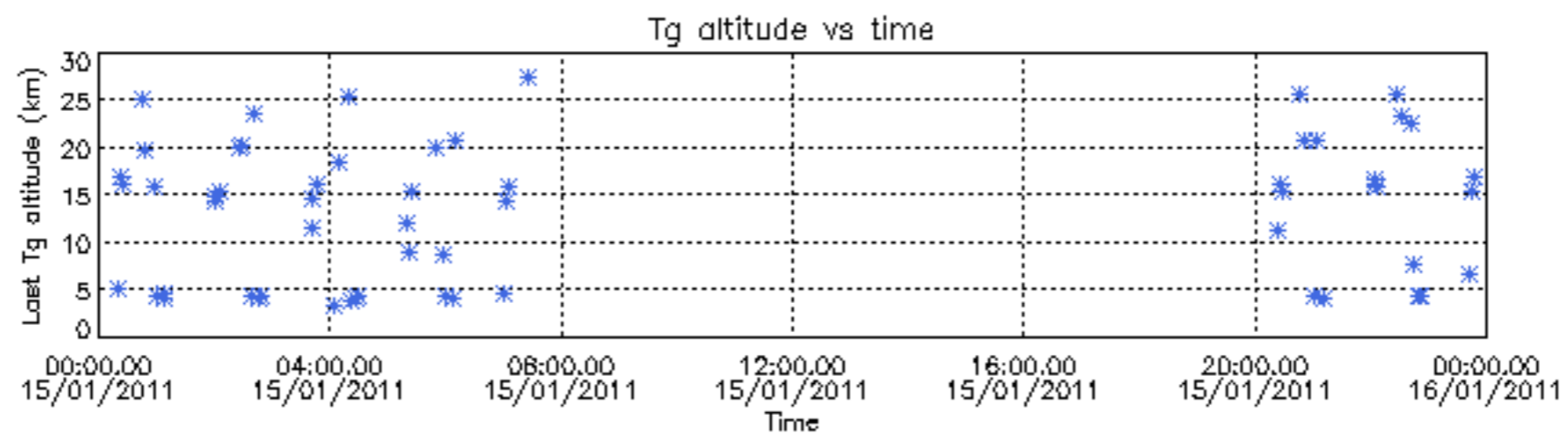
Percentage of saturation errors per profile

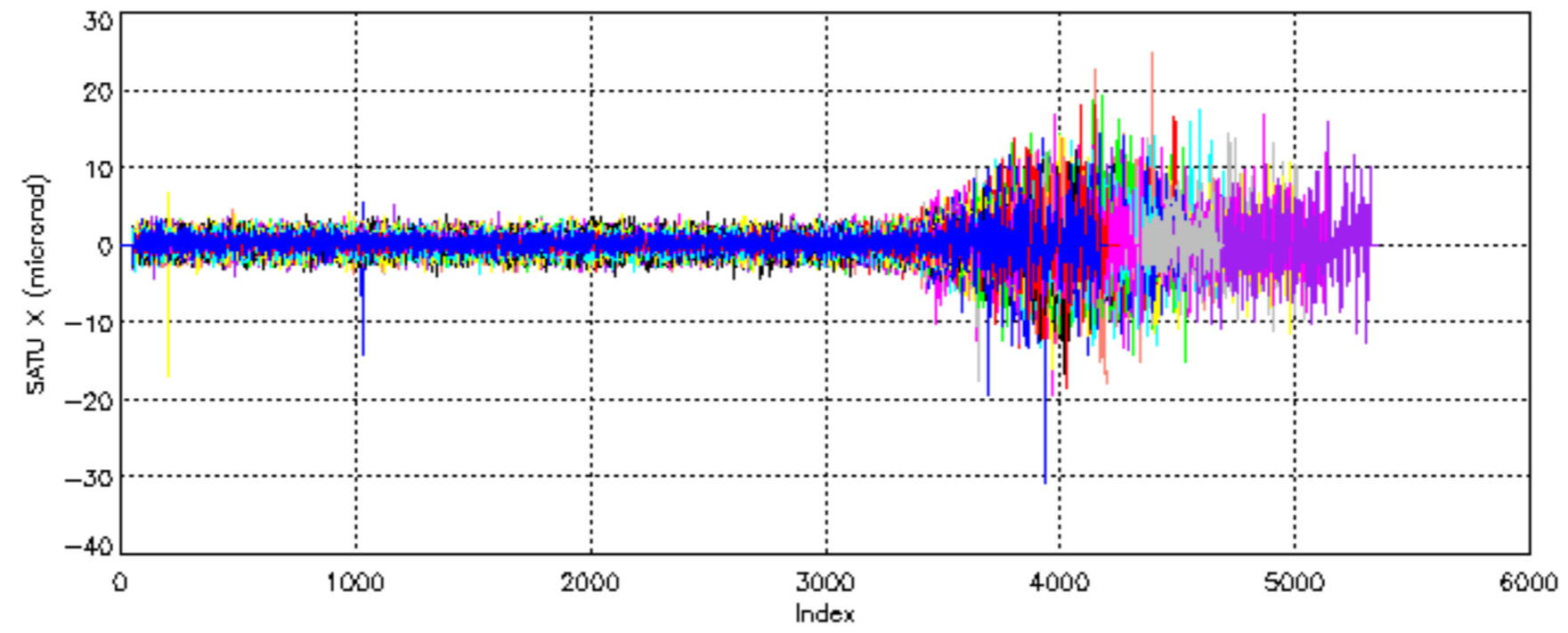


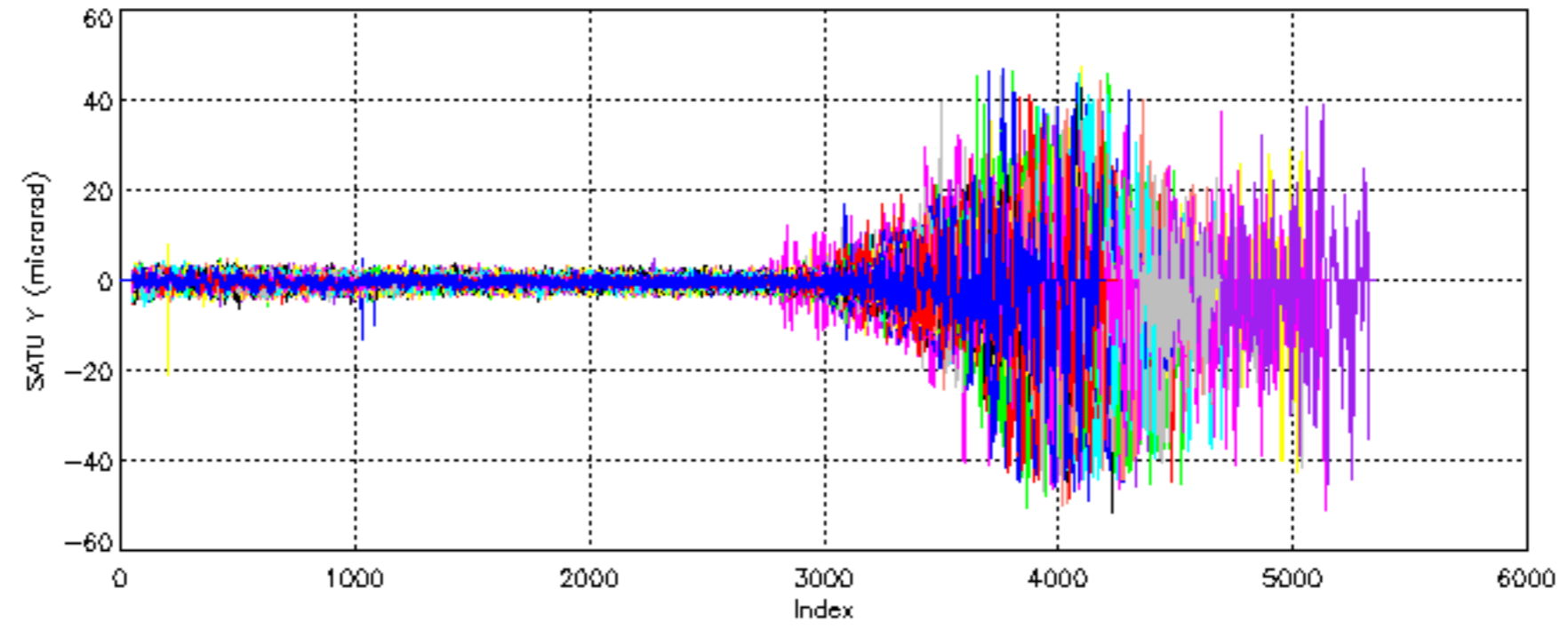
Tangent altitude at which the star is lost

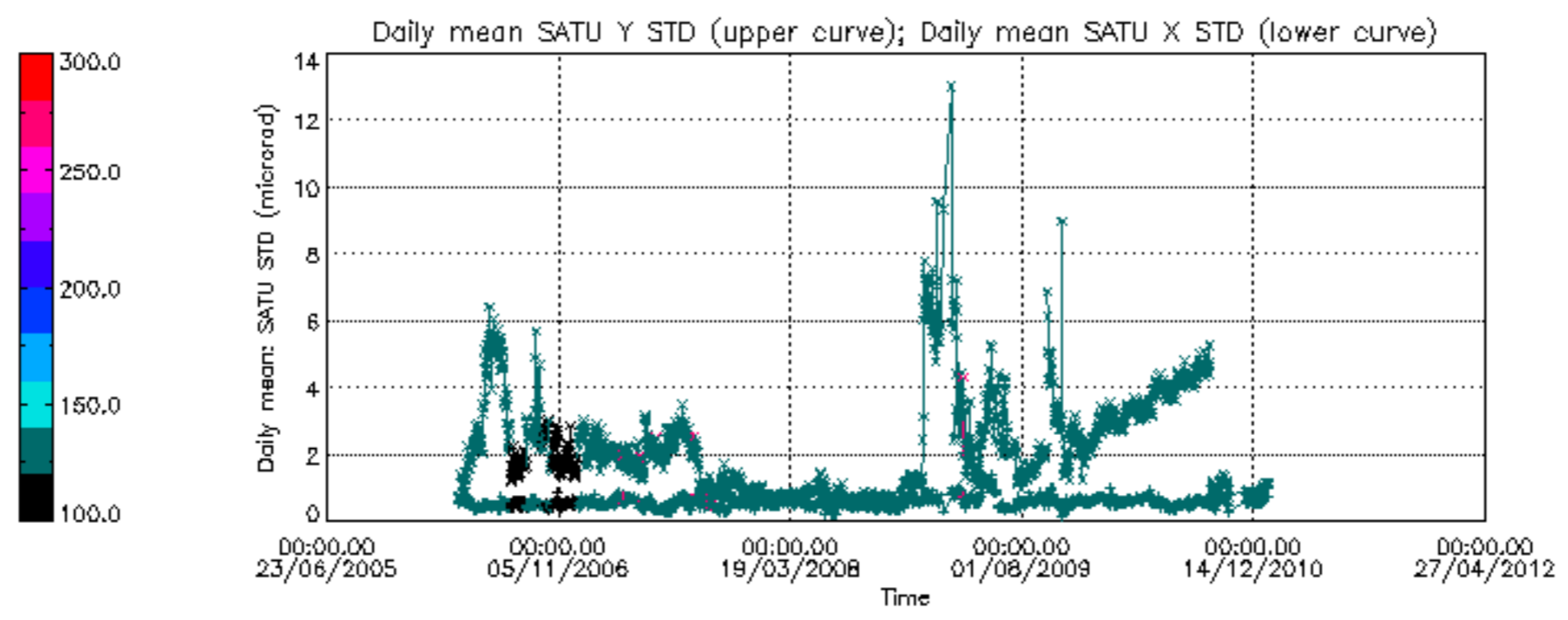


Tangent altitude at which the star is lost









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 3; -3.0; 01-JAN-2011 01:36:29; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46210
 4; 102.2; 01-JAN-2011 01:38:14; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;46210
 5; 211.5; 01-JAN-2011 01:40:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46210
 6; 470.5; 01-JAN-2011 01:44:23; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46210
 7; 623.9; 01-JAN-2011 01:46:56; Dark ; 48.5; 71; Iot Car ; 2.25; 7700;occ; 97; 0;46210
 8; 738.0; 01-JAN-2011 01:48:50; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;46210
 9; 908.3; 01-JAN-2011 01:51:41; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;46210
 10; 1039.2; 01-JAN-2011 01:53:52; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;46210
 11; 1163.5; 01-JAN-2011 01:55:56; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;46210
 12; 1330.9; 01-JAN-2011 01:58:43; Dark ; 47.0; 23; 21Eps CMa ; 1.50; 26000;occ; 94; 0;46210
 13; 1423.0; 01-JAN-2011 02:00:15; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;46210
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 15; 1719.7; 01-JAN-2011 02:05:12; Dark ; 42.5; 56; 53Kap Ori ; 2.07; 30000;occ; 85; 0;46210
 16; 1869.3; 01-JAN-2011 02:07:42; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;46210
 17; 2019.8; 01-JAN-2011 02:10:12; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46210
 18; 2214.1; 01-JAN-2011 02:13:26; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;46210
 19; 2312.3; 01-JAN-2011 02:15:05; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;46210
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 23; 3889.5; 01-JAN-2011 02:41:22; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;46210
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 25; 4331.1; 01-JAN-2011 02:48:43; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;46210
 26; 4552.2; 01-JAN-2011 02:52:24; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46210
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 46; 7883.6; 01-JAN-2011 03:47:56; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;46211
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 49; 8326.2; 01-JAN-2011 03:55:18; Bright; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;46211
 50; 8565.6; 01-JAN-2011 03:59:18; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46211
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 8; -842.3; 01-JAN-2011 04:42:58; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;46211
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 13; 103.9; 01-JAN-2011 04:58:44; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;46212
 14; 213.3; 01-JAN-2011 05:00:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46212
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17; 739.0; 01-JAN-2011 05:09:19; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46212
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19; 1040.6; 01-JAN-2011 05:14:21; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;46212
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21; 1331.7; 01-JAN-2011 05:19:12; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;46212
22; 1423.6; 01-JAN-2011 05:20:44; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;46212
23; 1570.7; 01-JAN-2011 05:23:11; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;46212
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27; 2213.8; 01-JAN-2011 05:33:54; Dark ; 52.5; 44; 24Gam Gem ; 1.93; 11000;occ; 105; 0;46212
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29; 2551.3; 01-JAN-2011 05:39:32; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46212
30; 2677.3; 01-JAN-2011 05:41:38; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;46212
31; 3671.7; 01-JAN-2011 05:58:12; Bright; 11.5; 60; 7Bet UMi ; 2.08; 3950;occ; 23; 0;46212
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3; 1167.5; 01-JAN-2011 20:18:34; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;46221
4; 1333.8; 01-JAN-2011 20:21:21; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;46221
5; 1425.5; 01-JAN-2011 20:22:52; Dark ; 46.0; 179; 240mi2CMA ; 3.03; 24000;occ; 92; 0;46221
6; 1571.8; 01-JAN-2011 20:25:19; Dark ; 51.5; 1; 9Alp CMA ; -1.44; 11000;occ; 103; 0;46221
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9; 2019.3; 01-JAN-2011 20:32:46; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46221
10; 2210.9; 01-JAN-2011 20:35:58; Dark ; 62.0; 44; 24Gam Gem ; 1.93; 11000;occ; 124; 0;46221
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12; 2549.2; 01-JAN-2011 20:41:36; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46221
13; 2676.5; 01-JAN-2011 20:43:43; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;46221
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16; 4084.4; 01-JAN-2011 21:07:11; Bright; 53.5; 39; 85Eta UMa ; 1.85; 24000;occ; 107; 0;46221
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 14; 4874.8; 02-JAN-2011 14:02:42; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;46231
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 16; 5343.0; 02-JAN-2011 14:10:30; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;46231
 17; 5757.9; 02-JAN-2011 14:17:25; Dark ; 45.0; 54; 5The Cen ; 2.06; 4500;occ; 90; 0;46231
 18; 5920.8; 02-JAN-2011 14:20:08; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;46231
 19; 6023.8; 02-JAN-2011 14:21:51; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46232
 20; 6134.2; 02-JAN-2011 14:23:41; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;46232
 21; 6245.9; 02-JAN-2011 14:25:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46232
 22; 6504.0; 02-JAN-2011 14:29:51; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46232
 23; 6649.7; 02-JAN-2011 14:32:16; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;46232
 24; 6763.8; 02-JAN-2011 14:34:11; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;46232
 25; 6933.7; 02-JAN-2011 14:37:00; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;46232
 26; 7064.5; 02-JAN-2011 14:39:11; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;46232
 27; 7185.5; 02-JAN-2011 14:41:12; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46232
 28; 7350.9; 02-JAN-2011 14:43:58; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;46232

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 11; 4082.0; 02-JAN-2011 15:29:43; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;46232
 12; 4331.7; 02-JAN-2011 15:33:53; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;46232
 13; 4556.9; 02-JAN-2011 15:37:38; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;46232
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 16; 5181.6; 02-JAN-2011 15:48:02; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46232
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 22; 6246.9; 02-JAN-2011 16:05:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46233
 23; 6505.0; 02-JAN-2011 16:10:06; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46233
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 25; 6764.5; 02-JAN-2011 16:14:25; Dark ; 48.5; 46; Del Vel ; 1.95; 10600;occ; 97; 0;46233
 26; 6934.3; 02-JAN-2011 16:17:15; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;46233
 27; 7065.1; 02-JAN-2011 16:19:26; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46233
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 3; -89.6; 03-JAN-2011 00:21:35; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;46237
 4; 13.2; 03-JAN-2011 00:23:18; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;46238
 5; 125.0; 03-JAN-2011 00:25:10; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;46238
 6; 237.5; 03-JAN-2011 00:27:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46238
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 8; 638.7; 03-JAN-2011 00:33:44; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;46238
 9; 752.9; 03-JAN-2011 00:35:38; Dark ; 45.0; 46; Del Vel ; 1.95; 10600;occ; 90; 0;46238
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 14; 1429.0; 03-JAN-2011 00:46:54; Dark ; 38.0; 179; 240mi2CMA ; 3.03; 24000;occ; 76; 0;46238
 15; 1573.7; 03-JAN-2011 00:49:19; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;46238
 16; 2018.5; 03-JAN-2011 00:56:43; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;46238
 17; 2205.4; 03-JAN-2011 00:59:50; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;46238
 18; 2304.3; 03-JAN-2011 01:01:29; Bright; 50.5; 151; 13Mu Gem ; 2.89; 3000;occ; 101; 0;46238
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 20; 2675.3; 03-JAN-2011 01:07:40; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;46238
 21; 3669.0; 03-JAN-2011 01:24:14; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;46238
 22; 3877.4; 03-JAN-2011 01:27:42; Bright; 49.0; 32; 77Eps UMa ; 1.76; 11000;occ; 98; 0;46238
 23; 4080.5; 03-JAN-2011 01:31:05; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;46238
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 25; 4558.0; 03-JAN-2011 01:39:03; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;46238
 26; 4760.2; 03-JAN-2011 01:42:25; Bright; 56.5; 3; 16Alp Boo ; -0.05; 4250;occ; 113; 0;46238
 27; 4877.0; 03-JAN-2011 01:44:22; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46238
 28; 5184.4; 03-JAN-2011 01:49:29; Bright; 32.5; 104; 27Bet Lib ; 2.61; 13100;occ; 65; 0;46238

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 5; 13.8; 03-JAN-2011 02:03:33; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46239
 6; 125.8; 03-JAN-2011 02:05:25; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46239
 7; 238.4; 03-JAN-2011 02:07:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46239
 8; 496.2; 03-JAN-2011 02:11:35; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46239
 9; 639.3; 03-JAN-2011 02:13:58; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46239
 10; 753.4; 03-JAN-2011 02:15:52; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;46239
 11; 923.1; 03-JAN-2011 02:18:42; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46239
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 17; 2018.5; 03-JAN-2011 02:36:57; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;46239
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 3; -1933.7; 03-JAN-2011 03:11:19; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;46239
 4; -1682.3; 03-JAN-2011 03:15:31; Bright; 62.0; 180; 27Gam Boo ; 3.04; 8000;occ; 124; 0;46239
 5; -1455.8; 03-JAN-2011 03:19:17; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;46239
 6; -1253.3; 03-JAN-2011 03:22:40; Bright; 56.5; 3; 16Alp Boo ; -0.05; 4250;occ; 113; 0;46239
 7; -1136.8; 03-JAN-2011 03:24:36; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46239
 8; -829.1; 03-JAN-2011 03:29:44; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46239
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 12; 14.6; 03-JAN-2011 03:43:48; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46240
 13; 126.9; 03-JAN-2011 03:45:40; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;46240
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 15; 497.1; 03-JAN-2011 03:51:50; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46240
 16; 639.8; 03-JAN-2011 03:54:13; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46240

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 18; 923.7; 03-JAN-2011 03:58:57; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46240
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 21; 1339.1; 03-JAN-2011 04:05:52; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;46240
 22; 1429.7; 03-JAN-2011 04:07:23; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;46240
 23; 1574.2; 03-JAN-2011 04:09:47; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;46240
 24; 2018.9; 03-JAN-2011 04:17:12; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46240
 25; 2205.2; 03-JAN-2011 04:20:18; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;46240
 26; 2303.9; 03-JAN-2011 04:21:57; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;46240
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 29; 3668.8; 03-JAN-2011 04:44:42; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;46240

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 3; -1933.9; 03-JAN-2011 04:51:33; Bright; 68.0; 39; 85Eta UMa ; 1.85; 24000;occ; 136; 0;46240
 4; -1682.2; 03-JAN-2011 04:55:45; Bright; 64.0; 180; 27Gam Boo ; 3.04; 8000;occ; 128; 0;46240
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 19; 1054.7; 03-JAN-2011 05:41:22; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;46241
 20; 1174.7; 03-JAN-2011 05:43:22; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;46241
 21; 1339.1; 03-JAN-2011 05:46:06; Dark ; 47.5; 23; 21Eps CMa ; 1.50; 26000;occ; 95; 0;46241
 22; 1429.9; 03-JAN-2011 05:47:37; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;46241
 23; 1574.4; 03-JAN-2011 05:50:01; Dark ; 55.5; 1; 9Alp CMa ; -1.44; 11000;occ; 111; 0;46241
 24; 2018.7; 03-JAN-2011 05:57:26; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;46241
 25; 2204.9; 03-JAN-2011 06:00:32; Dark ; 51.0; 44; 24Gam Gem ; 1.93; 11000;occ; 102; 0;46241
 26; 2303.9; 03-JAN-2011 06:02:11; Bright; 54.0; 151; 13Mu Gem ; 2.89; 3000;occ; 108; 0;46241
 27; 2544.6; 03-JAN-2011 06:06:12; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;46241
 28; 2677.0; 03-JAN-2011 06:08:24; Bright; 39.5; 6; 13Alp Aur ; 0.08; 3400;occ; 79; 0;46241
 29; 3668.7; 03-JAN-2011 06:24:56; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46241

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 5; 1431.9; 03-JAN-2011 20:49:45; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;46250
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 7; 2018.4; 03-JAN-2011 20:59:32; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;46250
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 16; 1579.6; 06-JAN-2011 02:19:41; Dark ; 47.0; 1; 9Alp CMa ; -1.44; 11000;occ; 94; 0;46282
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 16; 944.3; 06-JAN-2011 03:49:20; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;46283
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 22; 2018.3; 06-JAN-2011 04:07:14; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;46283
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12;	220.1;	08-JAN-2011	04:04:02;	Dark	;	41.5;	20;	Bet Cru	;	1.25;	30000;occ;	83;	0;	46312
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3; 2187.5; 08-JAN-2011 12:58:00; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;46317
4; 2288.1; 08-JAN-2011 12:59:40; Bright; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;46317
5; 2532.2; 08-JAN-2011 13:03:45; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;46317
6; 2664.4; 08-JAN-2011 13:05:57; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;46317
7; 3659.2; 08-JAN-2011 13:22:32; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46317
8; 3905.0; 08-JAN-2011 13:26:37; Bright; 34.0; 119; 14Eta Dra ; 2.73; 4700;occ; 68; 0;46317
9; 4332.4; 08-JAN-2011 13:33:45; Bright; 56.5; 180; 27Gam Boo ; 3.04; 8000;occ; 113; 0;46317
10; 4576.1; 08-JAN-2011 13:37:48; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;46317
11; 4904.6; 08-JAN-2011 13:43:17; Bright; 56.5; 102; 24Alp Ser ; 2.60; 4250;occ; 113; 0;46317
12; 5227.5; 08-JAN-2011 13:48:40; Dark ; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;46317
13; 5403.4; 08-JAN-2011 13:51:36; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;46317
14; 5827.7; 08-JAN-2011 13:58:40; Dark ; 56.0; 54; 5The Cen ; 2.06; 4500;occ; 112; 0;46317
15; 5979.0; 08-JAN-2011 14:01:11; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46317
16; 6076.3; 08-JAN-2011 14:02:49; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46318

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 23; 7103.5; 08-JAN-2011 14:19:56; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;46318
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 9; 3904.9; 08-JAN-2011 15:06:51; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;46318
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 11; 4576.5; 08-JAN-2011 15:18:03; Bright; 49.0; 83; ; 2.38; 11000;occ; 98; 0;46318
 12; 4905.1; 08-JAN-2011 15:23:31; Bright; 58.0; 102; 24Alp Ser ; 2.60; 4250;occ; 116; 0;46318
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 14; 5404.4; 08-JAN-2011 15:31:51; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;46318
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 16; 5979.8; 08-JAN-2011 15:41:26; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46318
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 18; 6238.2; 08-JAN-2011 15:45:44; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;46319
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 21; 6694.2; 08-JAN-2011 15:53:21; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;46319
 22; 6807.5; 08-JAN-2011 15:55:14; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;46319
 23; 6974.0; 08-JAN-2011 15:58:00; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;46319
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 22; 6694.8; 08-JAN-2011 17:33:35; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46320
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7; 2287.6; 08-JAN-2011 18:00:22; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;46320
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16; 5405.8; 08-JAN-2011 18:52:20; Dark ; 51.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 103; 0;46320
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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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13; 3904.8; 08-JAN-2011 20:07:33; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;46321
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22; 6239.9; 08-JAN-2011 20:46:28; Dark ; 43.5; 20; Bet Cru ; 1.25; 30000;occ; 87; 0;46322
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26; 6808.9; 08-JAN-2011 20:55:57; Dark ; 47.5; 46; Del Vel ; 1.95; 10600;occ; 95; 0;46322
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6; 66.7; 09-JAN-2011 01:44:31; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46325
7; 227.7; 09-JAN-2011 01:47:12; Dark ; 44.5; 20; Bet Cru ; 1.25; 30000;occ; 89; 0;46325
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13; 1092.2; 09-JAN-2011 02:01:37; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;46325
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16; 1447.1; 09-JAN-2011 02:07:32; Dark ; 41.5; 179; 240mi2CMA ; 3.03; 24000;occ; 83; 0;46325
17; 1585.0; 09-JAN-2011 02:09:49; Dark ; 48.5; 1; 9Alp CMA ; -1.44; 11000;occ; 97; 0;46325
18; 2024.7; 09-JAN-2011 02:17:09; Dark ; 64.0; 8; 10Alp CMI ; 0.40; 6500;occ; 128; 0;46325

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6; -781.8; 09-JAN-2011 03:10:37; Dark ; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;46325
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 13; 5347.3; 19-JAN-2011 15:27:48; Dark ; 52.0; 104; 27Bet Lib ; 2.61; 13100;occ; 104; 0;46476
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 23; 6814.2; 19-JAN-2011 15:52:15; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;46477
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13; 420.2; 26-JAN-2011 04:47:53; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;46571
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7; 3887.3; 26-JAN-2011 20:47:46; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;46580
8; 4066.2; 26-JAN-2011 20:50:45; Bright; 34.5; 130; 23Bet Dra ; 2.80; 5800;occ; 69; 0;46580
9; 4455.1; 26-JAN-2011 20:57:14; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;46580
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6;	-1245.9;	30-JAN-2011	03:33:25;	Bright;	;	36.0;	59;	55Alp Oph	;	2.08;	8900;occ;	72;	0;46627
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8;	-482.8;	30-JAN-2011	03:46:08;	Dark	;	59.0;	16;	21Alp Sco	;	1.02;	3000;occ;	118;	0;46627
9;	-139.1;	30-JAN-2011	03:51:52;	Dark	;	42.5;	131;	Gam Lup	;	2.80;	26000;occ;	85;	0;46627
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4;	-1339.9;	30-JAN-2011	05:12:05;	Bright;	;	65.0;	127;	27Bet Her	;	2.78;	4700;occ;	130;	0;46628
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