

GOMOS Daily Report 16-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	19JAN2011 05:01:20
Data source version	GOMOS/5.01
Start time of products	16JAN2011 00:07:14
Stop time of products	16JAN2011 23:58:22
Store outputs in DB	Yes
Nb of level 1b prods	134
Nb of prods with errors	1

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

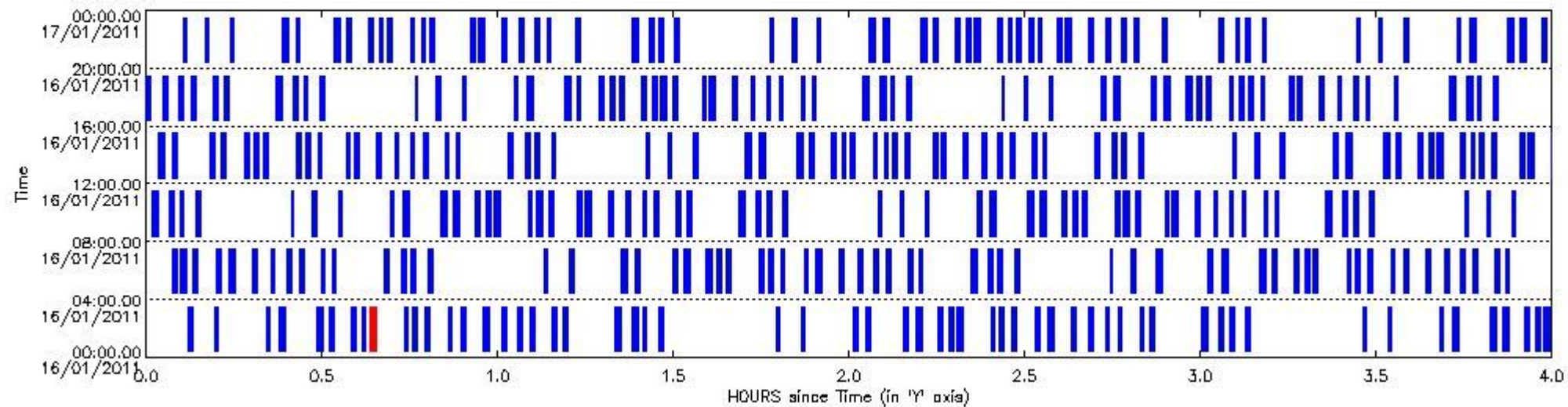
2.1 Level 0 products arrived in PCF (see template [here](#))

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
16-JAN-2011 00:38:08	9Alp2Lib	122	46424

2.4 Summary of processed GOM_TRA_1P products

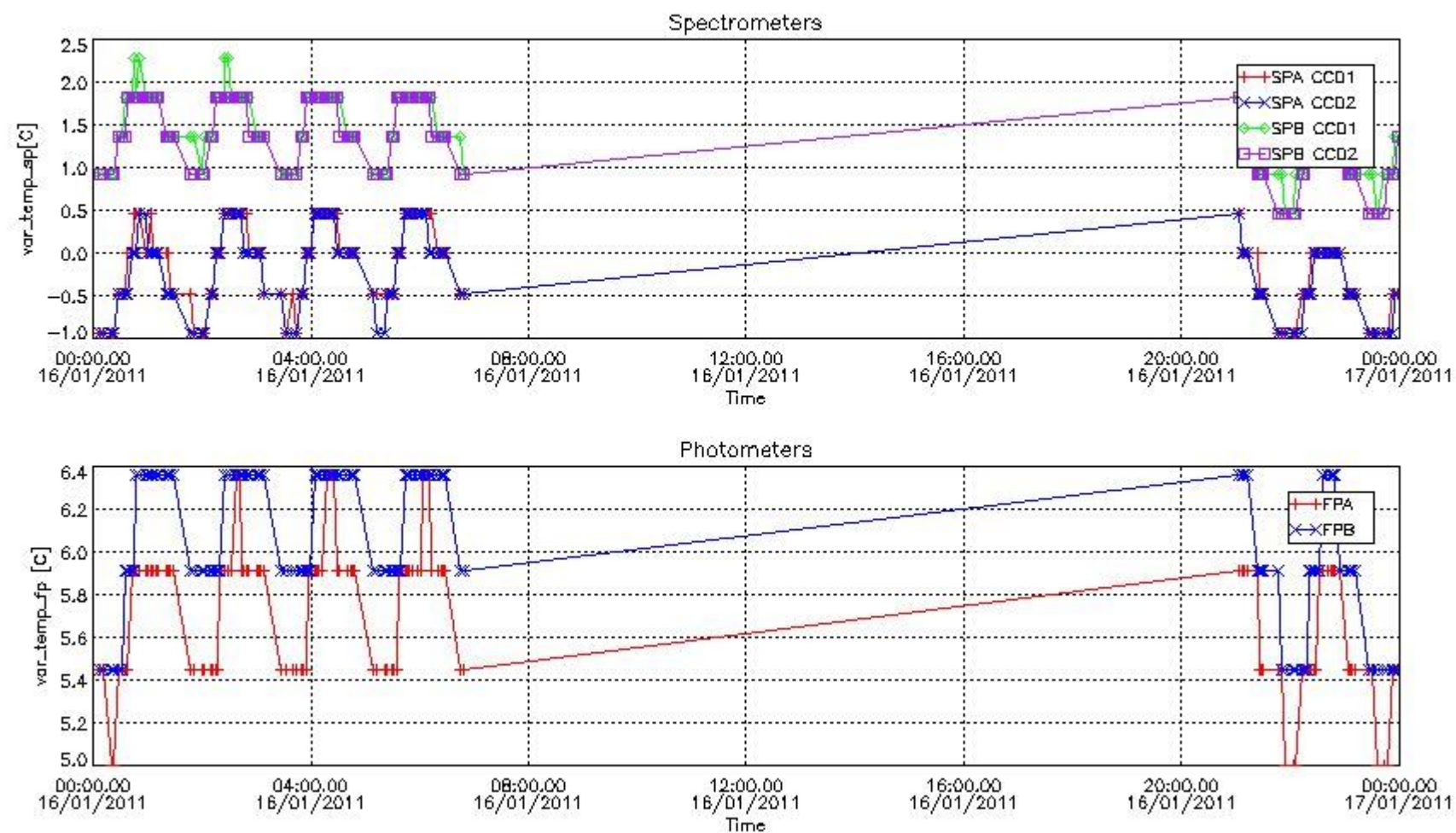
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110116_000714_000000413098_00289_46424_4282.N1	16-JAN-2011 00:07:14	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	46424	No
2	GOM_TRA_1PNPDE20110116_001134_000000383098_00289_46424_4283.N1	16-JAN-2011 00:11:34	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	46424	No
3	GOM_TRA_1PNPDE20110116_002025_000000383098_00289_46424_4284.N1	16-JAN-2011 00:20:25	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	46424	No
4	GOM_TRA_1PNPDE20110116_002239_000000643098_00289_46424_4285.N1	16-JAN-2011 00:22:39	Bright	64.000	67	5Alp CrB	2.2210	11000.	128	46424	No
5	GOM_TRA_1PNPDE20110116_002904_000000633098_00289_46424_4286.N1	16-JAN-2011 00:29:04	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46424	No
6	GOM_TRA_1PNPDE20110116_003111_000000573098_00289_46424_4287.N1	16-JAN-2011 00:31:11	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46424	No
7	GOM_TRA_1PNPDE20110116_003454_000000493098_00289_46424_4288.N1	16-JAN-2011 00:34:54	Twilight	49.000	104	27Bet Lib	2.6140	13100.	98	46424	No
8	GOM_TRA_1PNPDE20110116_003646_000000443098_00289_46424_4300.N1	16-JAN-2011 00:36:46	Twilight	43.500	80	7Del Sco	2.3160	30000.	87	46424	No
9	GOM_TRA_1PNPDE20110116_004359_000000433098_00289_46424_4301.N1	16-JAN-2011 00:43:59	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46424	No
10	GOM_TRA_1PNPDE20110116_004521_000000503098_00289_46424_4302.N1	16-JAN-2011 00:45:21	Dark	49.500	54	5The Cen	2.0550	4500.0	99	46424	No

11	GOM_TRA_1PNPDE20110116_004733_000000443098_00290_46425_4303.N1	16-JAN-2011 00:47:33	Dark	43.500	95	Zet Cen	2.5450	26000.	87	46425	No
12	GOM_TRA_1PNPDE20110116_005135_000000413098_00290_46425_4304.N1	16-JAN-2011 00:51:35	Dark	41.000	20	Bet Cru	1.2530	30000.	82	46425	No
13	GOM_TRA_1PNPDE20110116_005737_000000523098_00290_46425_4305.N1	16-JAN-2011 00:57:37	Dark	52.000	113	Mu Vel	2.6920	5000.0	104	46425	No
14	GOM_TRA_1PNPDE20110116_010047_000000403098_00290_46425_4306.N1	16-JAN-2011 01:00:47	Dark	39.500	46	Del Vel	1.9540	10600.	79	46425	No
15	GOM_TRA_1PNPDE20110116_010328_000000413098_00290_46425_4307.N1	16-JAN-2011 01:03:28	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	46425	No
16	GOM_TRA_1PNPDE20110116_010536_000000443098_00290_46425_4308.N1	16-JAN-2011 01:05:36	Dark	44.000	70	Zet Pup	2.2460	39000.	88	46425	No
17	GOM_TRA_1PNPDE20110116_010922_000000433098_00290_46425_4309.N1	16-JAN-2011 01:09:22	Straylight	42.500	88	31Eta CMa	2.4480	20000.	85	46425	No
18	GOM_TRA_1PNPDE20110116_011112_000000403098_00290_46425_4310.N1	16-JAN-2011 01:11:12	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	46425	No
19	GOM_TRA_1PNPDE20110116_012004_000000623098_00290_46425_4311.N1	16-JAN-2011 01:20:04	Twilight_stray	62.000	8	10Alp CMi	0.40000	6500.0	124	46425	No
20	GOM_TRA_1PNPDE20110116_012301_000000543098_00290_46425_4312.N1	16-JAN-2011 01:23:01	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	46425	No
21	GOM_TRA_1PNPDE20110116_012444_000000393098_00290_46425_4313.N1	16-JAN-2011 01:24:44	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	46425	No
22	GOM_TRA_1PNPDE20110116_012733_000000483098_00290_46425_4314.N1	16-JAN-2011 01:27:33	Bright	48.000	17	78Bet Gem	1.1610	4500.0	96	46425	No
23	GOM_TRA_1PNPDE20110116_014728_000000363098_00290_46425_4315.N1	16-JAN-2011 01:47:28	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	46425	No
24	GOM_TRA_1PNPDE20110116_015148_000000373098_00290_46425_4316.N1	16-JAN-2011 01:51:48	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	46425	No
25	GOM_TRA_1PNPDE20110116_020040_000000553098_00290_46425_4317.N1	16-JAN-2011 02:00:40	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46425	No
26	GOM_TRA_1PNPDE20110116_020253_000000433098_00290_46425_4318.N1	16-JAN-2011 02:02:53	Bright	42.500	67	5Alp CrB	2.2210	11000.	85	46425	No
27	GOM_TRA_1PNPDE20110116_020918_000000533098_00290_46425_4319.N1	16-JAN-2011 02:09:18	Bright	52.500	102	24Alp Ser	2.6000	4250.0	105	46425	No
28	GOM_TRA_1PNPDE20110116_021125_000000573098_00290_46425_4317.N1	16-JAN-2011 02:11:25	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46425	No
29	GOM_TRA_1PNPDE20110116_021509_000000483098_00290_46425_4318.N1	16-JAN-2011 02:15:09	Twilight_stray	48.000	104	27Bet Lib	2.6140	13100.	96	46425	No
30	GOM_TRA_1PNPDE20110116_021701_000000463098_00290_46425_4319.N1	16-JAN-2011 02:17:01	Twilight_stray	45.500	80	7Del Sco	2.3160	30000.	91	46425	No
31	GOM_TRA_1PNPDE20110116_021826_000000543098_00290_46425_4320.N1	16-JAN-2011 02:18:26	Dark	54.000	122	9Alp2Lib	2.7470	9700.0	108	46425	No
32	GOM_TRA_1PNPDE20110116_022414_000000423098_00290_46425_4321.N1	16-JAN-2011 02:24:14	Dark	41.500	109	Bet Lup	2.6770	26000.	83	46425	No
33	GOM_TRA_1PNPDE20110116_022536_000000523098_00290_46425_4322.N1	16-JAN-2011 02:25:36	Dark	51.500	54	5The Cen	2.0550	4500.0	103	46425	No
34	GOM_TRA_1PNPDE20110116_022748_000000453098_00291_46426_4323.N1	16-JAN-2011 02:27:48	Dark	45.000	95	Zet Cen	2.5450	26000.	90	46426	No
35	GOM_TRA_1PNPDE20110116_023149_000000423098_00291_46426_4324.N1	16-JAN-2011 02:31:49	Dark	42.000	20	Bet Cru	1.2530	30000.	84	46426	No
36	GOM_TRA_1PNPDE20110116_023751_000000553098_00291_46426_4325.N1	16-JAN-2011 02:37:51	Dark	54.500	113	Mu Vel	2.6920	5000.0	109	46426	No
37	GOM_TRA_1PNPDE20110116_024101_000000453098_00291_46426_4326.N1	16-JAN-2011 02:41:01	Dark	45.000	46	Del Vel	1.9540	10600.	90	46426	No
38	GOM_TRA_1PNPDE20110116_024343_000000443098_00291_46426_4327.N1	16-JAN-2011 02:43:43	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	46426	No
39	GOM_TRA_1PNPDE20110116_024551_000000453098_00291_46426_4328.N1	16-JAN-2011 02:45:51	Dark	44.500	70	Zet Pup	2.2460	39000.	89	46426	No
40	GOM_TRA_1PNPDE20110116_024936_000000423098_00291_46426_4329.N1	16-JAN-2011 02:49:36	Straylight	42.000	88	31Eta CMa	2.4480	20000.	84	46426	No
41	GOM_TRA_1PNPDE20110116_025127_000000413098_00291_46426_4330.N1	16-JAN-2011 02:51:27	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	46426	No
42	GOM_TRA_1PNPDE20110116_030018_000000553098_00291_46426_4331.N1	16-JAN-2011 03:00:18	Twilight_stray	54.500	8	10Alp CMi	0.40000	6500.0	109	46426	No
43	GOM_TRA_1PNPDE20110116_030315_000000473098_00291_46426_4332.N1	16-JAN-2011 03:03:15	Bright	47.000	44	24Gam Gem	1.9280	11000.	94	46426	No
44	GOM_TRA_1PNPDE20110116_030458_000000433098_00291_46426_4333.N1	16-JAN-2011 03:04:58	Bright	43.000	151	13Mu Gem	2.8900	3000.0	86	46426	No
45	GOM_TRA_1PNPDE20110116_030747_000000483098_00291_46426_4334.N1	16-JAN-2011 03:07:47	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46426	No
46	GOM_TRA_1PNPDE20110116_032742_000000413098_00291_46426_4348.N1	16-JAN-2011 03:27:42	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	46426	No
47	GOM_TRA_1PNPDE20110116_033202_000000393098_00291_46426_4349.N1	16-JAN-2011 03:32:02	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46426	No
48	GOM_TRA_1PNPDE20110116_034054_000000363098_00291_46426_4350.N1	16-JAN-2011 03:40:54	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	46426	No
49	GOM_TRA_1PNPDE20110116_034307_000000643098_00291_46426_4351.N1	16-JAN-2011 03:43:07	Bright	64.000	67	5Alp CrB	2.2210	11000.	128	46426	No
50	GOM_TRA_1PNPDE20110116_034933_000000633098_00291_46426_4352.N1	16-JAN-2011 03:49:33	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46426	No
51	GOM_TRA_1PNPDE20110116_035140_000000573098_00291_46426_4353.N1	16-JAN-2011 03:51:40	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46426	No
52	GOM_TRA_1PNPDE20110116_035524_000000493098_00291_46426_4354.N1	16-JAN-2011 03:55:24	Twilight_stray	49.000	104	27Bet Lib	2.6140	13100.	98	46426	No
53	GOM_TRA_1PNPDE20110116_035715_000000463098_00291_46426_4355.N1	16-JAN-2011 03:57:15	Twilight_stray	46.000	80	7Del Sco	2.3160	30000.	92	46426	No
54	GOM_TRA_1PNPDE20110116_035841_000000513098_00291_46426_4356.N1	16-JAN-2011 03:58:41	Dark	51.000	122	9Alp2Lib	2.7470	9700.0	102	46426	No
55	GOM_TRA_1PNPDE20110116_040429_000000413098_00291_46426_4357.N1	16-JAN-2011 04:04:29	Dark	41.000	109	Bet Lup	2.6770	26000.	82	46426	No
56	GOM_TRA_1PNPDE20110116_040552_000000523098_00291_46426_4358.N1	16-JAN-2011 04:05:52	Dark	52.000	54	5The Cen	2.0550	4500.0	104	46426	No
57	GOM_TRA_1PNPDE20110116_040803_000000433098_00292_46427_4359.N1	16-JAN-2011 04:08:03	Dark	43.000	95	Zet Cen	2.5450	26000.	86	46427	No
58	GOM_TRA_1PNPDE20110116_041204_000000423098_00292_46427_4360.N1	16-JAN-2011 04:12:04	Dark	41.500	20	Bet Cru	1.2530	30000.	83	46427	No
59	GOM_TRA_1PNPDE20110116_041806_000000513098_00292_46427_4361.N1	16-JAN-2011 04:18:06	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	46427	No
60	GOM_TRA_1PNPDE20110116_042116_000000433098_00292_46427_4362.N1	16-JAN-2011 04:21:16	Dark	43.000	46	Del Vel	1.9540	10600.	86	46427	No
61	GOM_TRA_1PNPDE20110116_042357_000000443098_00292_46427_4363.N1	16-JAN-2011 04:23:57	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	46427	No
62	GOM_TRA_1PNPDE20110116_042605_000000453098_00292_46427_4364.N1	16-JAN-2011 04:26:05	Dark	45.000	70	Zet Pup	2.2460	39000.	90	46427	No
63	GOM_TRA_1PNPDE20110116_042951_000000433098_00292_46427_4365.N1	16-JAN-2011 04:29:51	Straylight	42.500	88	31Eta CMa	2.4480	20000.	85	46427	No
64	GOM_TRA_1PNPDE20110116_043141_000000413098_00292_46427_4366.N1	16-JAN-2011 04:31:41	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	46427	No
65	GOM_TRA_1PNPDE20110116_044032_000000573098_00292_46427_4367.N1	16-JAN-2011 04:40:32	Twilight_stray	57.000	8	10Alp CMi	0.40000	6500.0	114	46427	No
66	GOM_TRA_1PNPDE20110116_044329_000000543098_00292_46427_4368.N1	16-JAN-2011 04:43:29	Bright	53.500	44	24Gam Gem	1.9280	11000.	107	46427	No
67	GOM_TRA_1PNPDE20110116_044512_000000433098_00292_46427_4369.N1	16-JAN-2011 04:45:12	Bright	42.500	151	13Mu Gem	2.8900	3000.0	85	46427	No
68	GOM_TRA_1PNPDE20110116_044800_000000483098_00292_46427_4370.N1	16-JAN-2011 04:48:00	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46427	No
69	GOM_TRA_1PNPDE20110116_050756_000000403098_00292_46427_4371.N1	16-JAN-2011 05:07:56	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46427	No

70	GOM_TRA_1PNPDE20110116_051216_000000393098_00292_46427_4372.N1	16-JAN-2011 05:12:16	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46427	No
71	GOM_TRA_1PNPDE20110116_052108_000000553098_00292_46427_4373.N1	16-JAN-2011 05:21:08	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46427	No
72	GOM_TRA_1PNPDE20110116_052322_000000523098_00292_46427_4374.N1	16-JAN-2011 05:23:22	Bright	51.500	67	5Alp CrB	2.2210	11000.	103	46427	No
73	GOM_TRA_1PNPDE20110116_052947_000000633098_00292_46427_4375.N1	16-JAN-2011 05:29:47	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46427	No
74	GOM_TRA_1PNPDE20110116_053154_000000573098_00292_46427_4376.N1	16-JAN-2011 05:31:54	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46427	No
75	GOM_TRA_1PNPDE20110116_053539_000000513098_00292_46427_4377.N1	16-JAN-2011 05:35:39	Twilight	50.500	104	27Bet Lib	2.6140	13100.	101	46427	No
76	GOM_TRA_1PNPDE20110116_053730_000000463098_00292_46427_4378.N1	16-JAN-2011 05:37:30	Twilight	46.000	80	7Del Sco	2.3160	30000.	92	46427	No
77	GOM_TRA_1PNPDE20110116_053857_000000553098_00292_46427_4379.N1	16-JAN-2011 05:38:57	Dark	55.000	122	9Alp2Lib	2.7470	9700.0	110	46427	No
78	GOM_TRA_1PNPDE20110116_054444_000000423098_00292_46427_4380.N1	16-JAN-2011 05:44:44	Dark	42.000	109	Bet Lup	2.6770	26000.	84	46427	No
79	GOM_TRA_1PNPDE20110116_054607_000000493098_00292_46427_4381.N1	16-JAN-2011 05:46:07	Dark	49.000	54	5The Cen	2.0550	4500.0	98	46427	No
80	GOM_TRA_1PNPDE20110116_054817_000000433098_00293_46428_4382.N1	16-JAN-2011 05:48:17	Dark	43.000	95	Zet Cen	2.5450	26000.	86	46428	No
81	GOM_TRA_1PNPDE20110116_055219_000000413098_00293_46428_4383.N1	16-JAN-2011 05:52:19	Dark	41.000	20	Bet Cru	1.2530	30000.	82	46428	No
82	GOM_TRA_1PNPDE20110116_055821_000000493098_00293_46428_4384.N1	16-JAN-2011 05:58:21	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	46428	No
83	GOM_TRA_1PNPDE20110116_060130_000000433098_00293_46428_4385.N1	16-JAN-2011 06:01:30	Dark	43.000	46	Del Vel	1.9540	10600.	86	46428	No
84	GOM_TRA_1PNPDE20110116_060412_000000433098_00293_46428_4386.N1	16-JAN-2011 06:04:12	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	46428	No
85	GOM_TRA_1PNPDE20110116_060620_000000443098_00293_46428_4387.N1	16-JAN-2011 06:06:20	Dark	43.500	70	Zet Pup	2.2460	39000.	87	46428	No
86	GOM_TRA_1PNPDE20110116_061005_000000413098_00293_46428_4388.N1	16-JAN-2011 06:10:05	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	46428	No
87	GOM_TRA_1PNPDE20110116_061155_000000423098_00293_46428_4389.N1	16-JAN-2011 06:11:55	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	46428	No
88	GOM_TRA_1PNPDE20110116_062046_000000623098_00293_46428_4390.N1	16-JAN-2011 06:20:46	Twilight	62.000	8	10Alp CMi	0.40000	6500.0	124	46428	No
89	GOM_TRA_1PNPDE20110116_062343_000000433098_00293_46428_4391.N1	16-JAN-2011 06:23:43	Bright	43.000	44	24Gam Gem	1.9280	11000.	86	46428	No
90	GOM_TRA_1PNPDE20110116_062526_000000423098_00293_46428_4392.N1	16-JAN-2011 06:25:26	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	46428	No
91	GOM_TRA_1PNPDE20110116_062814_000000473098_00293_46428_4393.N1	16-JAN-2011 06:28:14	Bright	46.500	17	78Bet Gem	1.1610	4500.0	93	46428	No
92	GOM_TRA_1PNPDE20110116_064432_000000253098_00293_46428_4394.N1	16-JAN-2011 06:44:32	Twilight	25.000	36	50Alp UMa	1.8000	6300.0	50	46428	No
93	GOM_TRA_1PNPDE20110116_064810_000000373098_00293_46428_4395.N1	16-JAN-2011 06:48:10	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	46428	No
94	GOM_TRA_1PNPDE20110116_210340_000000463098_00302_46437_4493.N1	16-JAN-2011 21:03:40	Dark	46.000	46	Del Vel	1.9540	10600.	92	46437	Yes
95	GOM_TRA_1PNPDE20110116_210621_000000423098_00302_46437_4494.N1	16-JAN-2011 21:06:21	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	46437	No
96	GOM_TRA_1PNPDE20110116_210829_000000403098_00302_46437_4495.N1	16-JAN-2011 21:08:29	Dark	39.500	70	Zet Pup	2.2460	39000.	79	46437	No
97	GOM_TRA_1PNPDE20110116_211315_000000453098_00302_46437_4496.N1	16-JAN-2011 21:13:15	Straylight	44.500	37	25Del CMa	1.8300	5900.0	89	46437	No
98	GOM_TRA_1PNPDE20110116_212251_000000623098_00302_46437_4497.N1	16-JAN-2011 21:22:51	Twilight	62.000	8	10Alp CMi	0.40000	6500.0	124	46437	No
99	GOM_TRA_1PNPDE20110116_212549_000000543098_00302_46437_4498.N1	16-JAN-2011 21:25:49	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	46437	No
100	GOM_TRA_1PNPDE20110116_212732_000000413098_00302_46437_4499.N1	16-JAN-2011 21:27:32	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	46437	No
101	GOM_TRA_1PNPDE20110116_213016_000000483098_00302_46437_4500.N1	16-JAN-2011 21:30:16	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46437	No
102	GOM_TRA_1PNPDE20110116_214632_000000283098_00302_46437_4501.N1	16-JAN-2011 21:46:32	Twilight	28.000	36	50Alp UMa	1.8000	6300.0	56	46437	No
103	GOM_TRA_1PNPDE20110116_215015_000000563098_00302_46437_4502.N1	16-JAN-2011 21:50:15	Bright	56.000	60	7Bet UMi	2.0810	3950.0	112	46437	No
104	GOM_TRA_1PNPDE20110116_215435_000000363098_00302_46437_4503.N1	16-JAN-2011 21:54:35	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	46437	No
105	GOM_TRA_1PNPDE20110116_220330_000000553098_00302_46437_4504.N1	16-JAN-2011 22:03:30	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46437	No
106	GOM_TRA_1PNPDE20110116_220544_000000653098_00302_46437_4505.N1	16-JAN-2011 22:05:44	Bright	65.000	67	5Alp CrB	2.2210	11000.	130	46437	No
107	GOM_TRA_1PNPDE20110116_221213_000000633098_00302_46437_4506.N1	16-JAN-2011 22:12:13	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46437	No
108	GOM_TRA_1PNPDE20110116_221419_000000573098_00302_46437_4507.N1	16-JAN-2011 22:14:19	Bright	56.500	120	1Del Oph	2.7340	3200.0	113	46437	No
109	GOM_TRA_1PNPDE20110116_221807_000000523098_00302_46437_4525.N1	16-JAN-2011 22:18:07	Twilight	52.000	104	27Bet Lib	2.6140	13100.	104	46437	No
110	GOM_TRA_1PNPDE20110116_221956_000000473098_00302_46437_4526.N1	16-JAN-2011 22:19:56	Twilight	47.000	80	7Del Sco	2.3160	30000.	94	46437	No
111	GOM_TRA_1PNPDE20110116_222127_000000523098_00302_46437_4527.N1	16-JAN-2011 22:21:27	Dark	51.500	122	9Alp2Lib	2.7470	9700.0	103	46437	No
112	GOM_TRA_1PNPDE20110116_222523_000000393098_00302_46437_4528.N1	16-JAN-2011 22:25:23	Dark	39.000	131	Gam Lup	2.8000	26000.	78	46437	No
113	GOM_TRA_1PNPDE20110116_222711_000000413098_00302_46437_4529.N1	16-JAN-2011 22:27:11	Dark	41.000	109	Bet Lup	2.6770	26000.	82	46437	No
114	GOM_TRA_1PNPDE20110116_222837_000000523098_00302_46437_4530.N1	16-JAN-2011 22:28:37	Dark	51.500	54	5The Cen	2.0550	4500.0	103	46437	No
115	GOM_TRA_1PNPDE20110116_223046_000000433098_00303_46438_4531.N1	16-JAN-2011 22:30:46	Dark	42.500	95	Zet Cen	2.5450	26000.	85	46438	No
116	GOM_TRA_1PNPDE20110116_223212_000000433098_00303_46438_4532.N1	16-JAN-2011 22:32:12	Dark	42.500	77	Eps Cen	2.3030	28000.	85	46438	No
117	GOM_TRA_1PNPDE20110116_223535_000000453098_00303_46438_4533.N1	16-JAN-2011 22:35:35	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	46438	No
118	GOM_TRA_1PNPDE20110116_224049_000000523098_00303_46438_4534.N1	16-JAN-2011 22:40:49	Dark	52.000	113	Mu Vel	2.6920	5000.0	104	46438	No
119	GOM_TRA_1PNPDE20110116_224354_000000433098_00303_46438_4535.N1	16-JAN-2011 22:43:54	Dark	43.000	46	Del Vel	1.9540	10600.	86	46438	No
120	GOM_TRA_1PNPDE20110116_224635_000000423098_00303_46438_4536.N1	16-JAN-2011 22:46:35	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	46438	No
121	GOM_TRA_1PNPDE20110116_224843_000000453098_00303_46438_4537.N1	16-JAN-2011 22:48:43	Dark	45.000	70	Zet Pup	2.2460	39000.	90	46438	No
122	GOM_TRA_1PNPDE20110116_225329_000000453098_00303_46438_4538.N1	16-JAN-2011 22:53:29	Straylight	45.000	37	25Del CMa	1.8300	5900.0	90	46438	No
123	GOM_TRA_1PNPDE20110116_230304_000000603098_00303_46438_4539.N1	16-JAN-2011 23:03:04	Twilight	59.500	8	10Alp CMi	0.40000	6500.0	119	46438	No
124	GOM_TRA_1PNPDE20110116_230602_000000423098_00303_46438_4540.N1	16-JAN-2011 23:06:02	Bright	41.500	44	24Gam Gem	1.9280	11000.	83	46438	No
125	GOM_TRA_1PNPDE20110116_230746_000000393098_00303_46438_4541.N1	16-JAN-2011 23:07:46	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	46438	No
126	GOM_TRA_1PNPDE20110116_231029_000000483098_00303_46438_4542.N1	16-JAN-2011 23:10:29	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46438	No
127	GOM_TRA_1PNPDE20110116_232645_000000293098_00303_46438_4543.N1	16-JAN-2011 23:26:45	Twilight	29.000	36	50Alp UMa	1.8000	6300.0	58	46438	No
128	GOM_TRA_1PNPDE20110116_233028_000000353098_00303_46438_4544.N1	16-JAN-2011 23:30:28	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	46438	No

129	GOM_TRA_1PNPDE20110116_233449_000000393098_00303_46438_4545.N1	16-JAN-2011 23:34:49	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46438	No
130	GOM_TRA_1PNPDE20110116_234344_000000373098_00303_46438_4546.N1	16-JAN-2011 23:43:44	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	46438	No
131	GOM_TRA_1PNPDE20110116_234558_000000653098_00303_46438_4547.N1	16-JAN-2011 23:45:58	Bright	65.000	67	5Alp CrB	2.2210	11000.	130	46438	No
132	GOM_TRA_1PNPDE20110116_235227_000000643098_00303_46438_4548.N1	16-JAN-2011 23:52:27	Bright	64.000	102	24Alp Ser	2.6000	4250.0	128	46438	No
133	GOM_TRA_1PNPDE20110116_235433_000000573098_00303_46438_4549.N1	16-JAN-2011 23:54:33	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46438	No
134	GOM_TRA_1PNPDE20110116_235822_000000523098_00303_46438_4538.N1	16-JAN-2011 23:58:22	Twilight_stray	51.500	104	27Bet Lib	2.6140	13100.	103	46438	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).

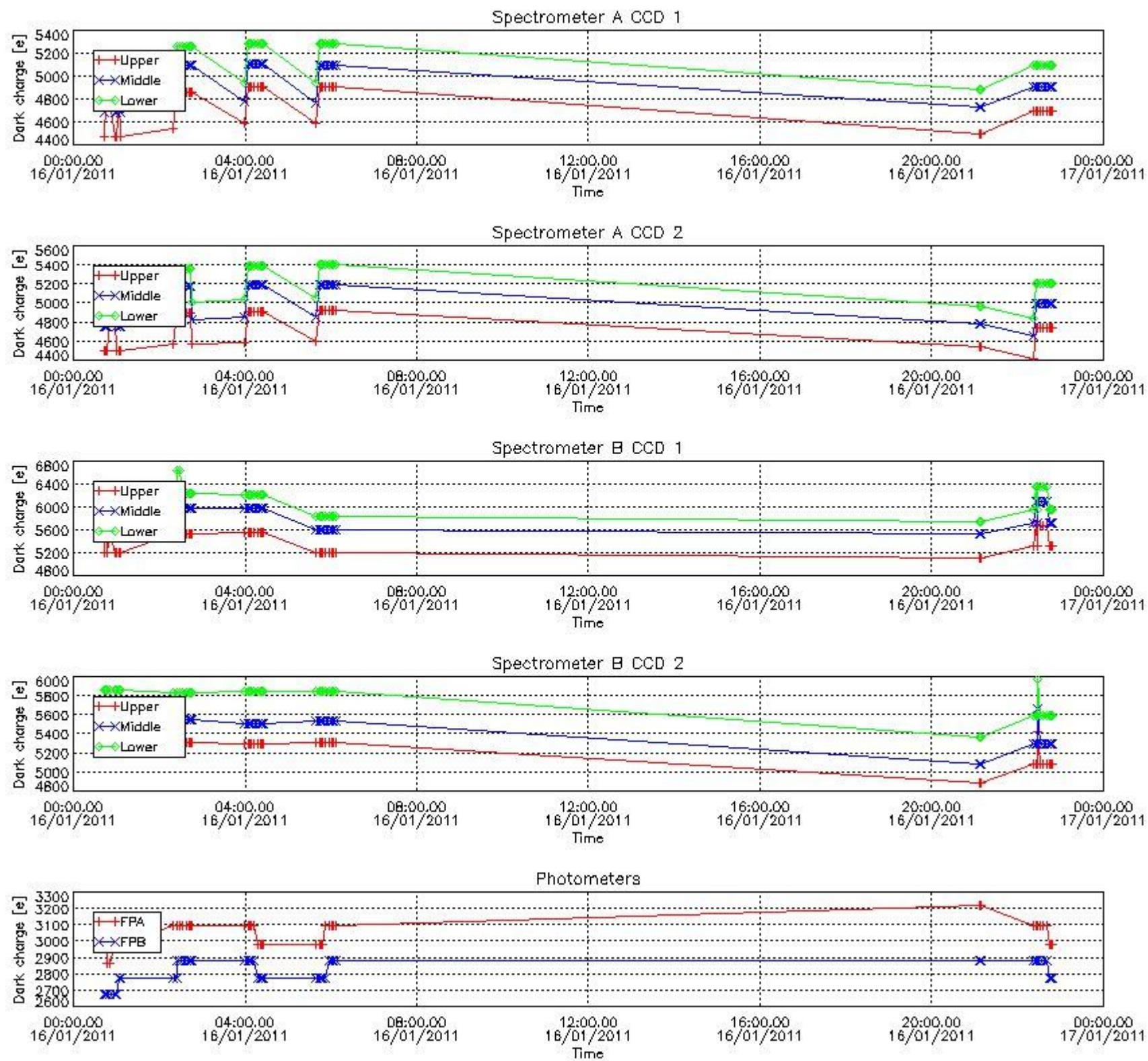
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20110116_210340_000000463098_00302_46437_4493.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110116_210621_000000423098_00302_46437_4494.N1	DC map used
GOM_TRA_1PNPDE20110116_210829_000000403098_00302_46437_4495.N1	DC map used
GOM_TRA_1PNPDE20110116_211315_000000453098_00302_46437_4496.N1	DC map used

GOM_TRA_1PNPDE20110116_212251_000000623098_00302_46437_4497.N1	DC map used
GOM_TRA_1PNPDE20110116_212549_000000543098_00302_46437_4498.N1	DC map used
GOM_TRA_1PNPDE20110116_212732_000000413098_00302_46437_4499.N1	DC map used
GOM_TRA_1PNPDE20110116_213016_000000483098_00302_46437_4500.N1	DC map used
GOM_TRA_1PNPDE20110116_214632_000000283098_00302_46437_4501.N1	DC map used
GOM_TRA_1PNPDE20110116_215015_000000563098_00302_46437_4502.N1	DC map used
GOM_TRA_1PNPDE20110116_215435_000000363098_00302_46437_4503.N1	DC map used
GOM_TRA_1PNPDE20110116_220330_000000553098_00302_46437_4504.N1	DC map used
GOM_TRA_1PNPDE20110116_220544_000000653098_00302_46437_4505.N1	DC map used
GOM_TRA_1PNPDE20110116_221213_000000633098_00302_46437_4506.N1	DC map used
GOM_TRA_1PNPDE20110116_221419_000000573098_00302_46437_4507.N1	DC map used

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



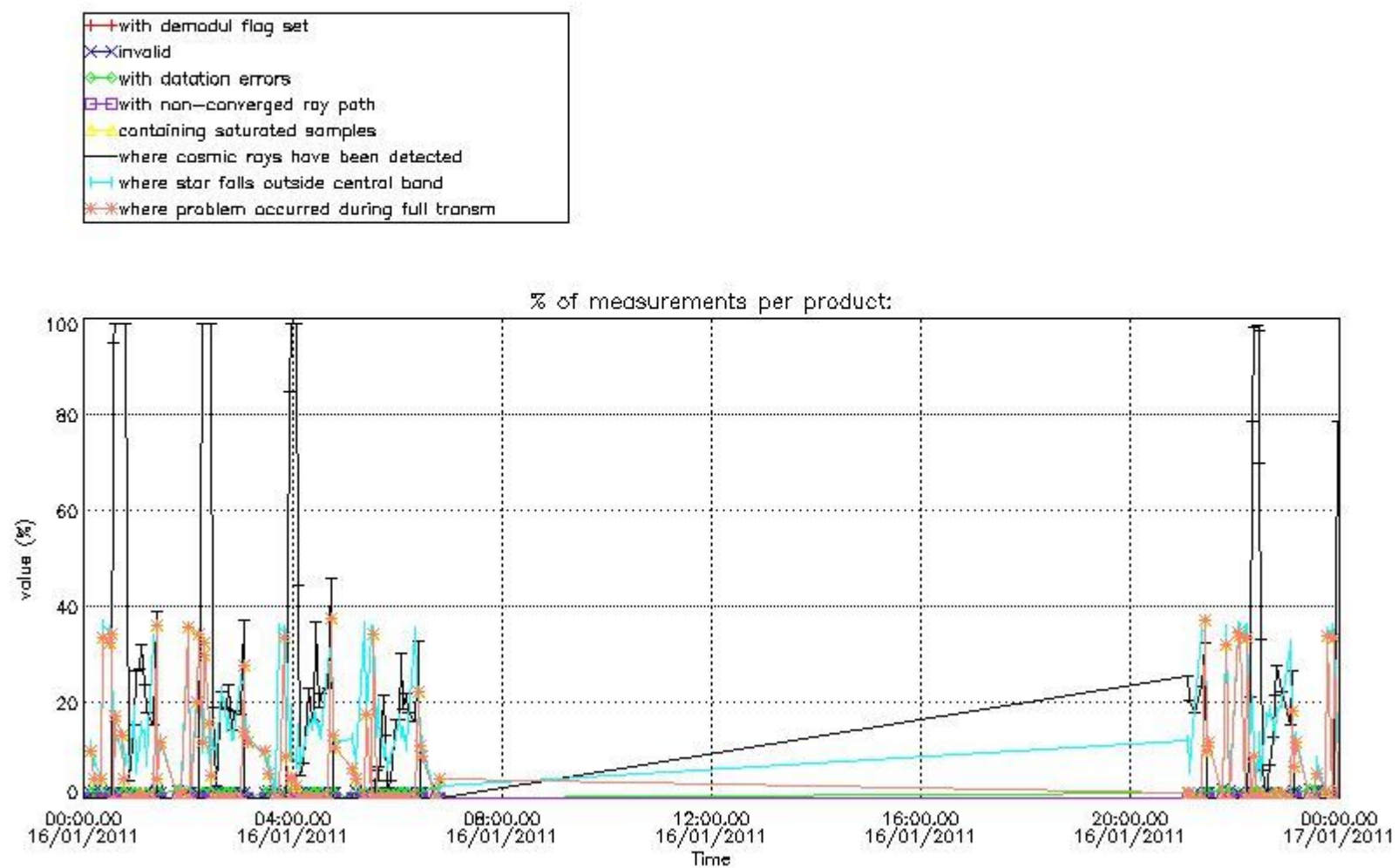
5. Demodulation flag and quality information monitoring

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.

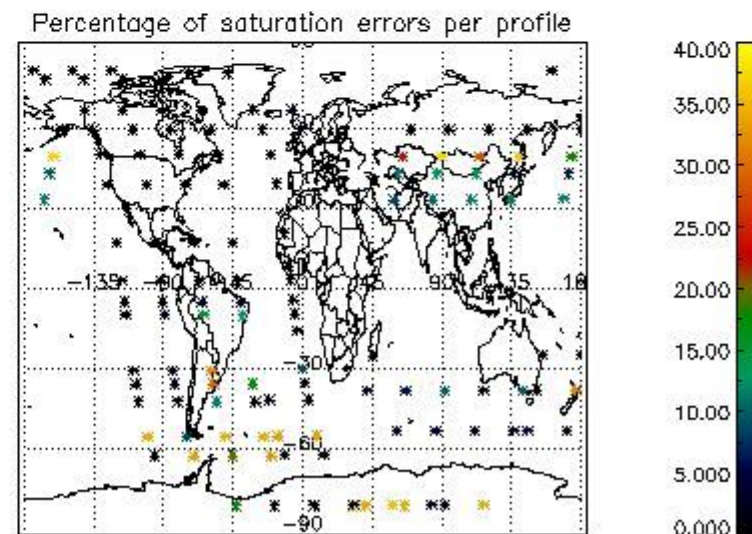
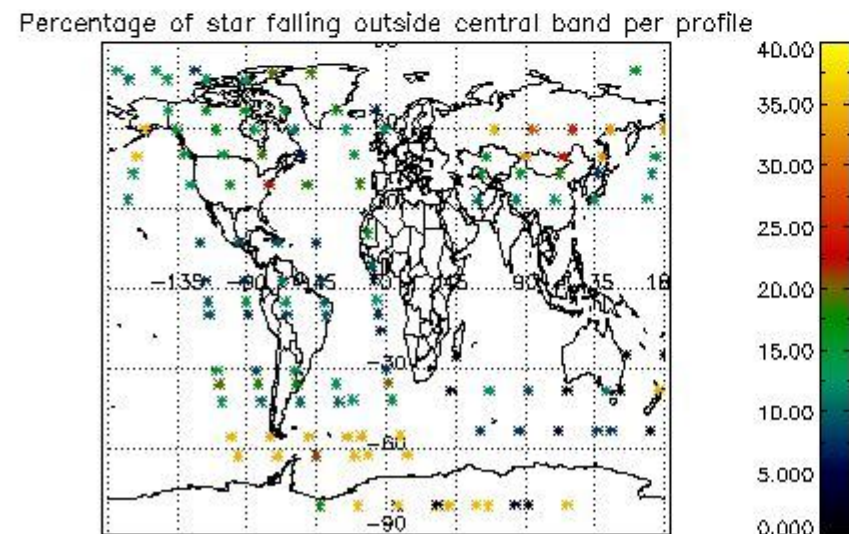
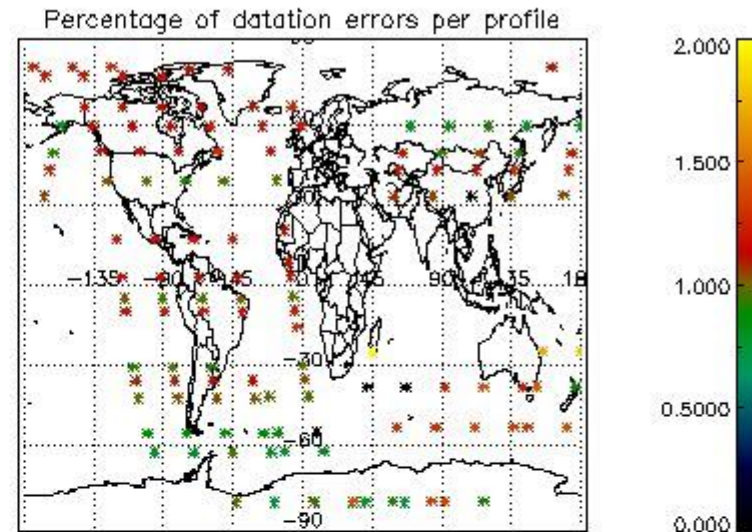
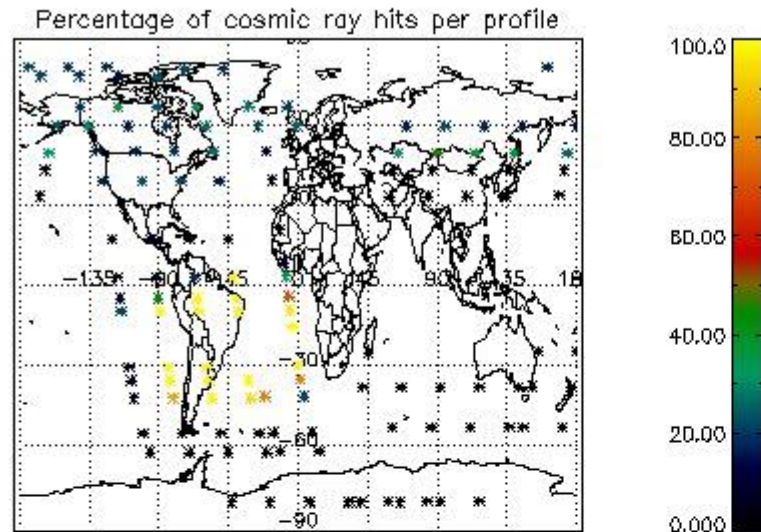
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	51.1278 %
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)



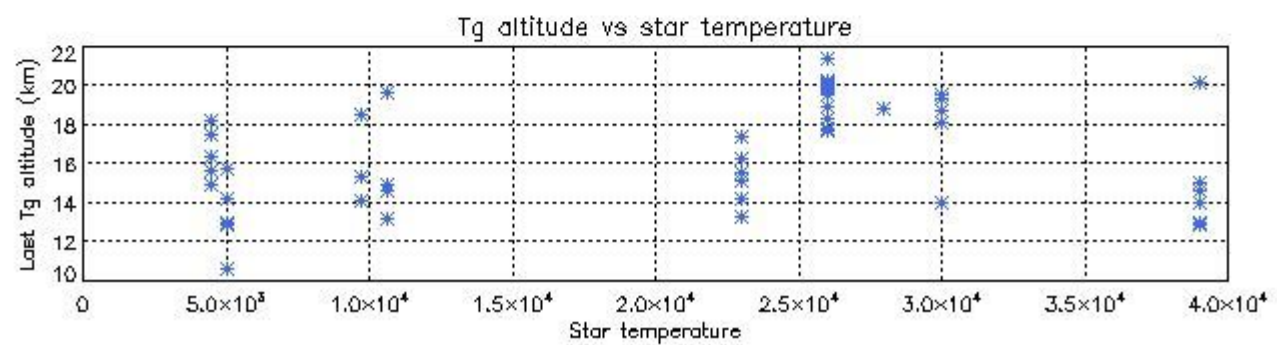
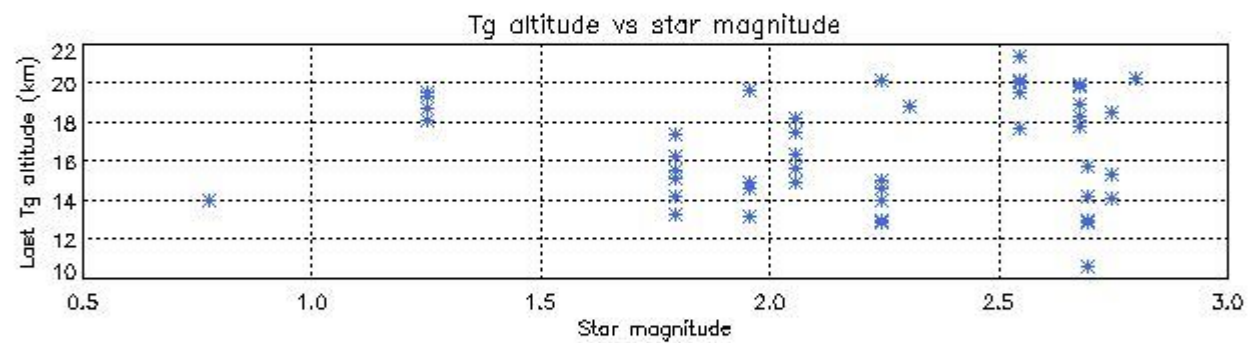
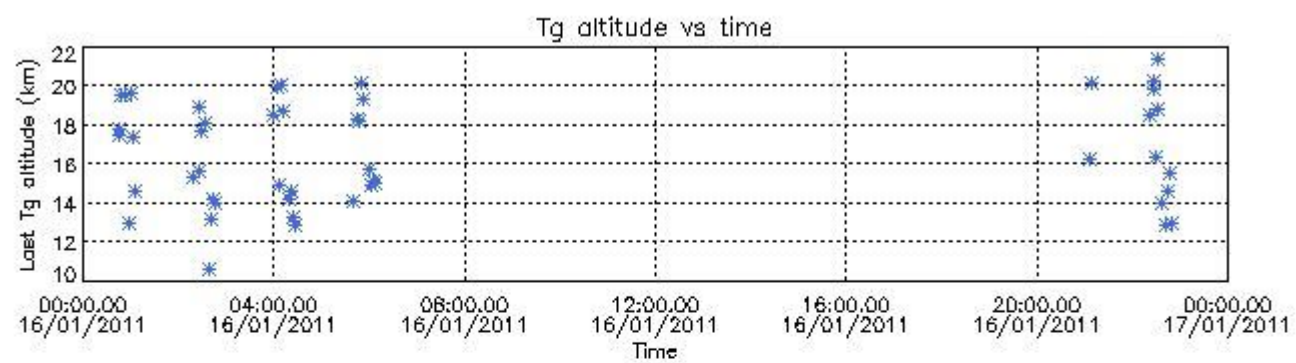
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.595	12.637	NaN
St. deviation:	2.6671	7.9088	NaN
Maximum:	21.370	29.275	NaN
Minimum:	10.622	3.5391	NaN
Number of data:	48.000	55.000	NaN

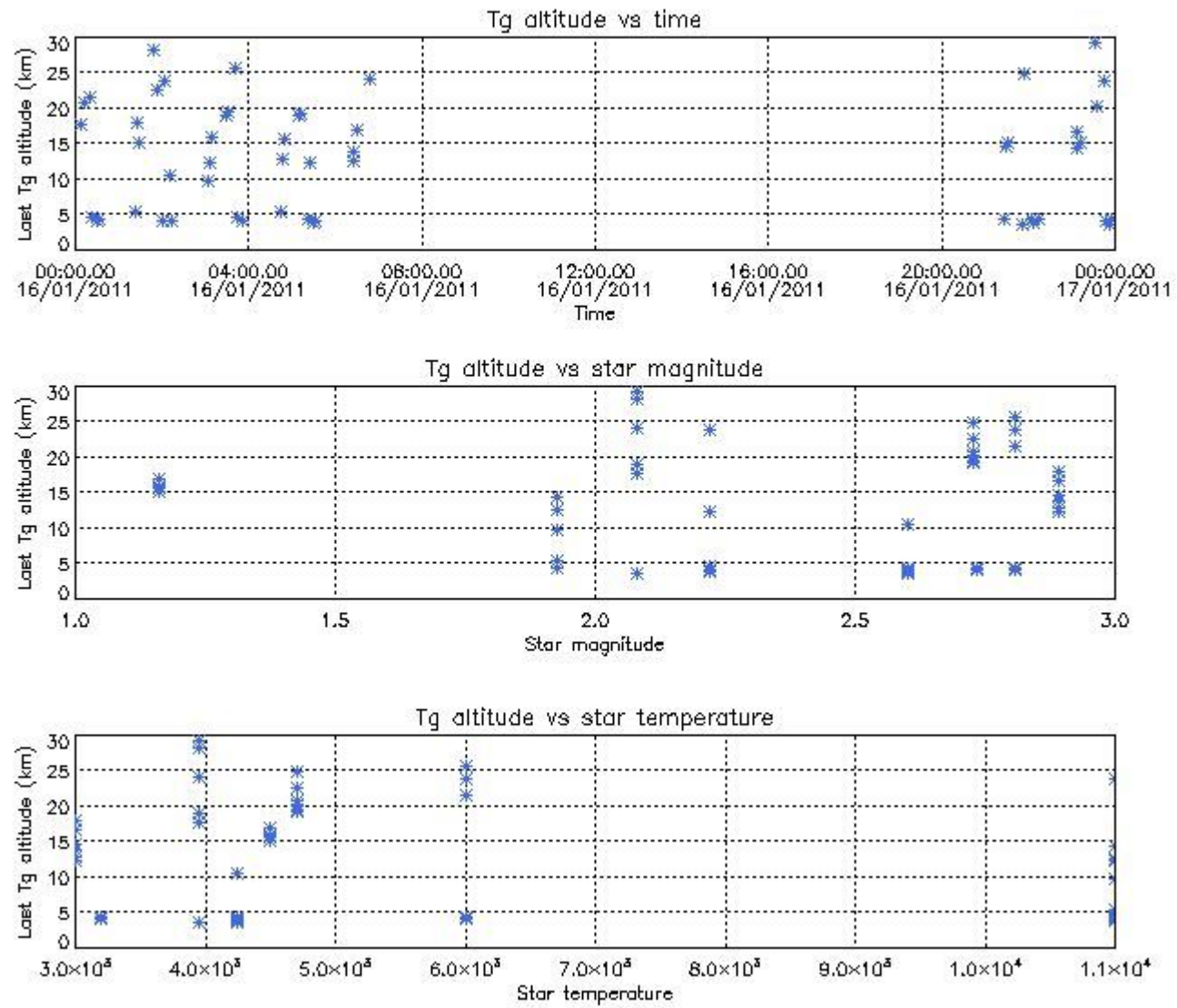
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

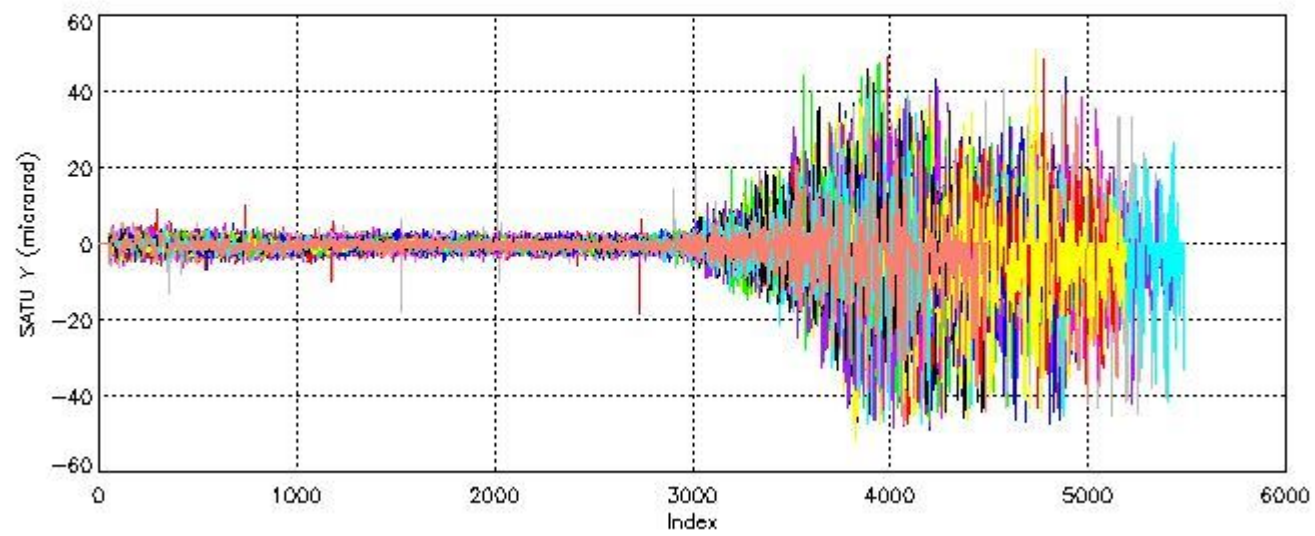
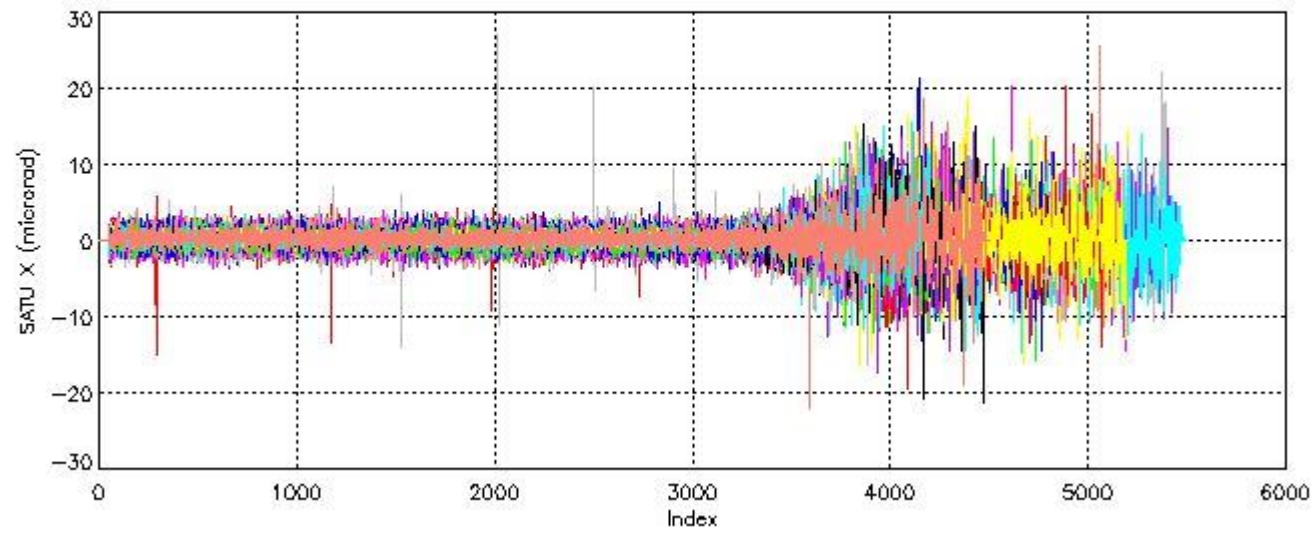


7. Star Acquisition and Tracking Unit (SATU)

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:	0.19101	-0.41193	0.12487	-0.39955
St. deviation:	0.71531	1.2174	0.52666	0.94378
Maximum:	7.1000	9.8000	4.0000	5.1000
Minimum:	-14.900	-13.100	-3.6000	-6.1000

Number of data:	50250.	50250.	52200.	52200.
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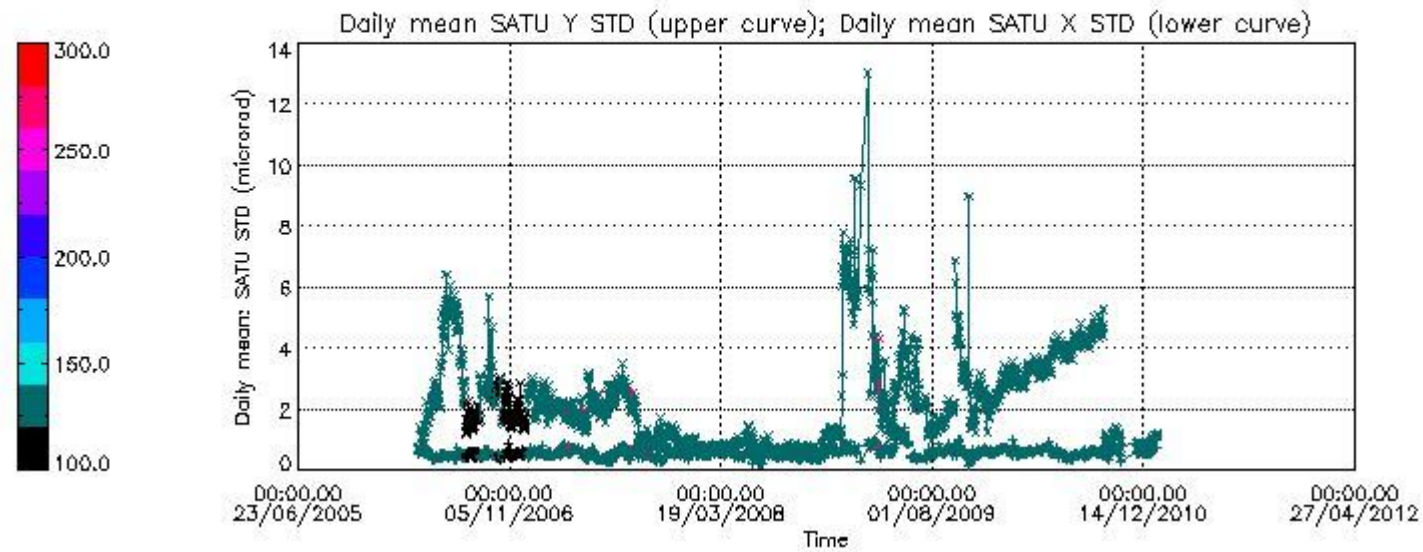
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

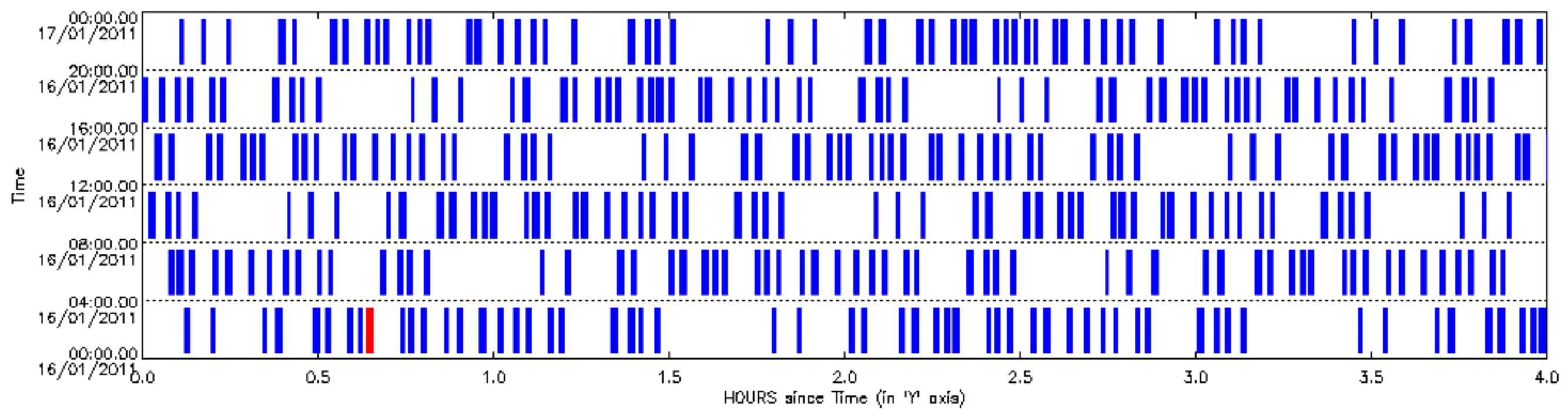
Lower curve: STD of SATU X axis

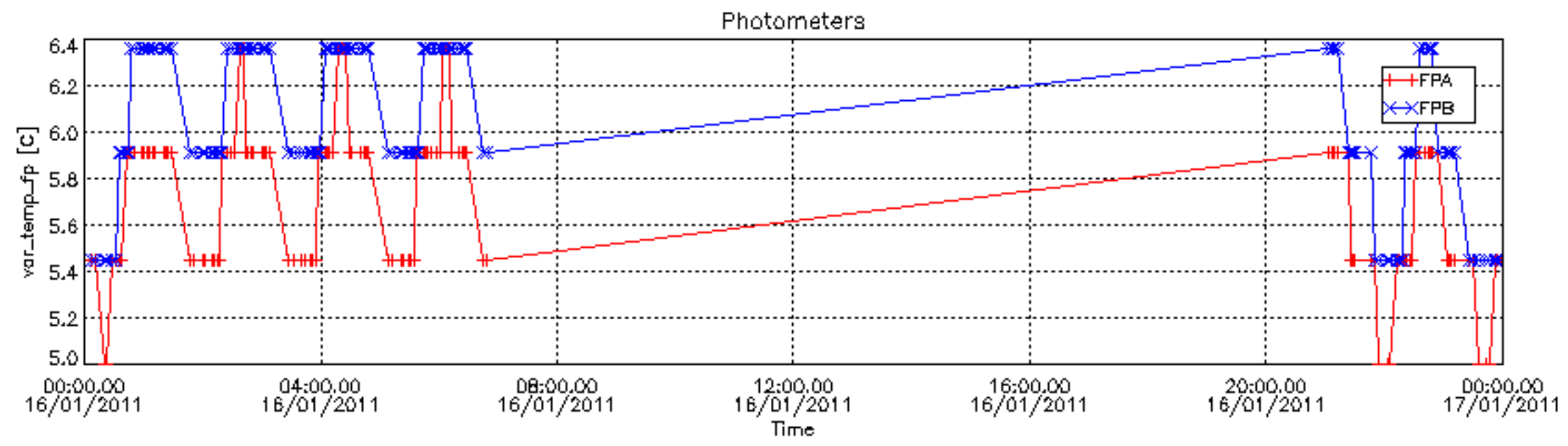
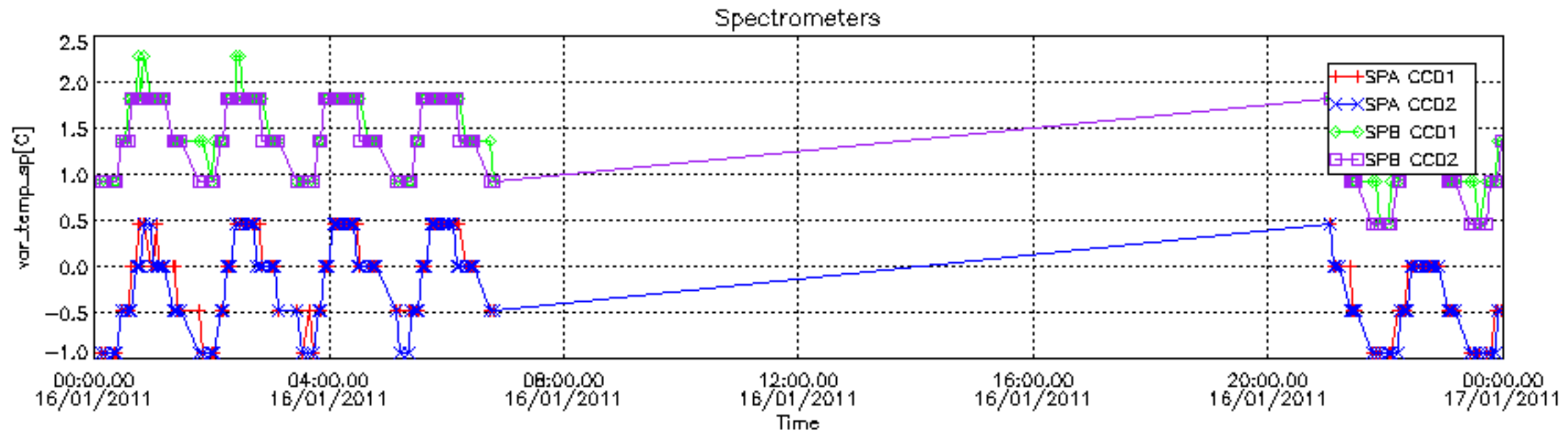


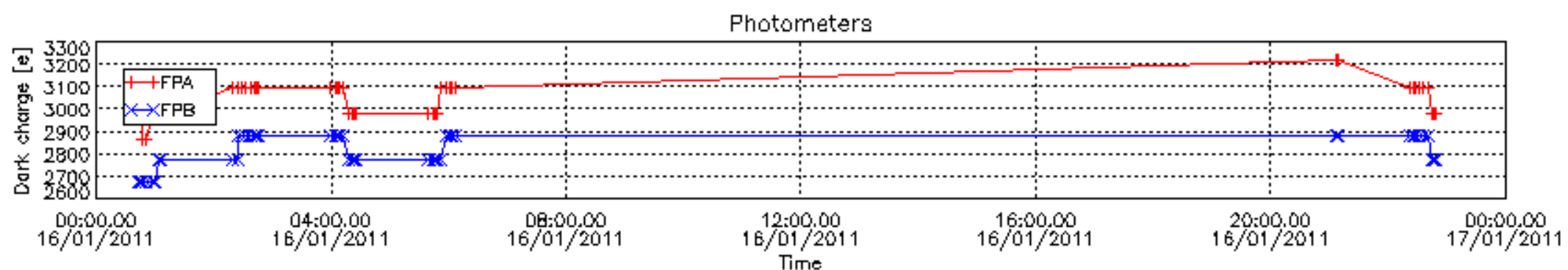
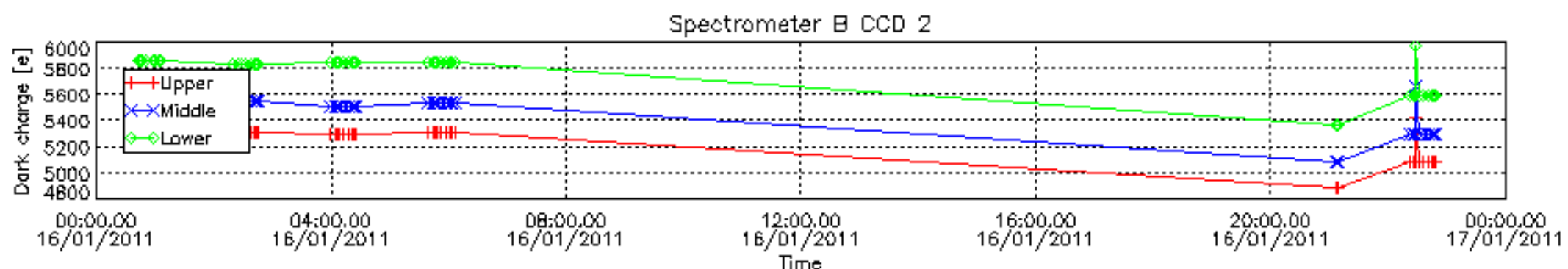
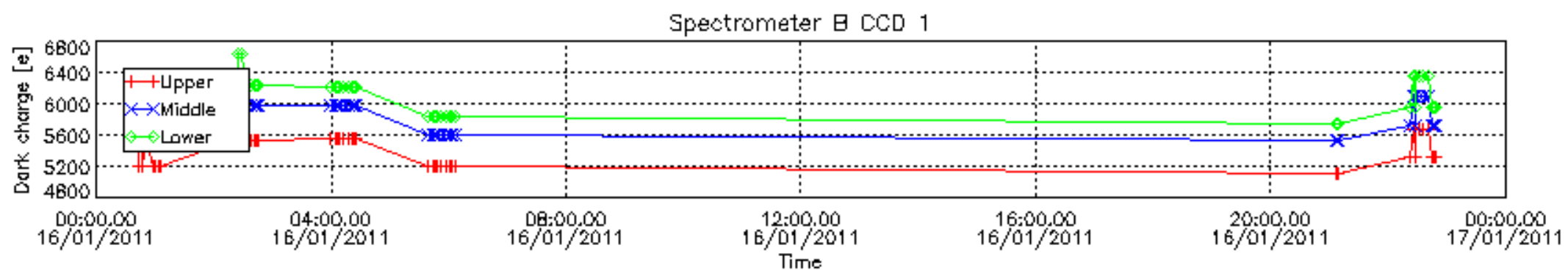
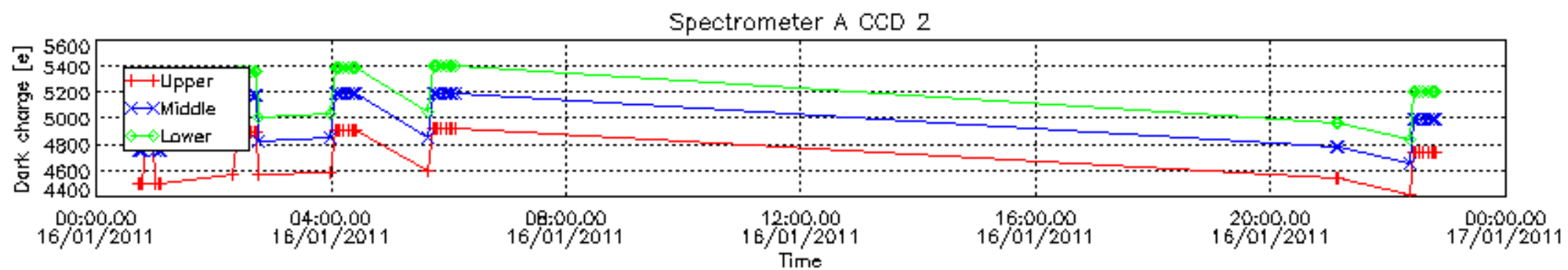
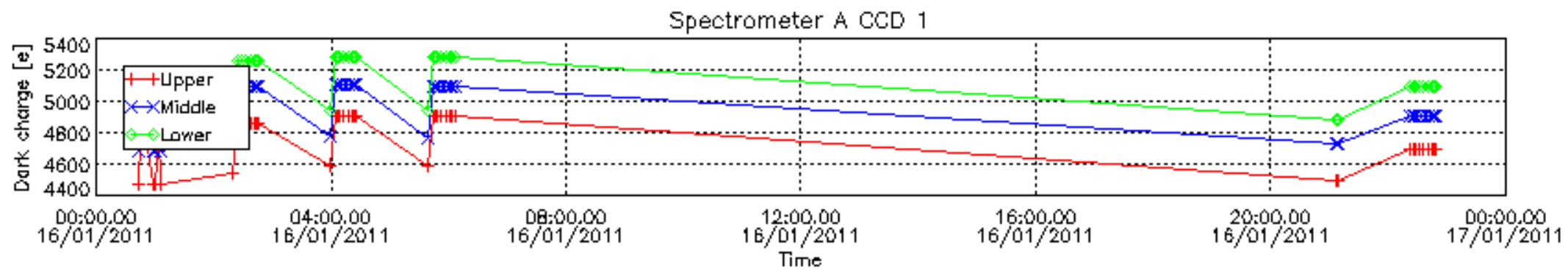
8. Auxiliary Data Files used for the production reported in section 2.4

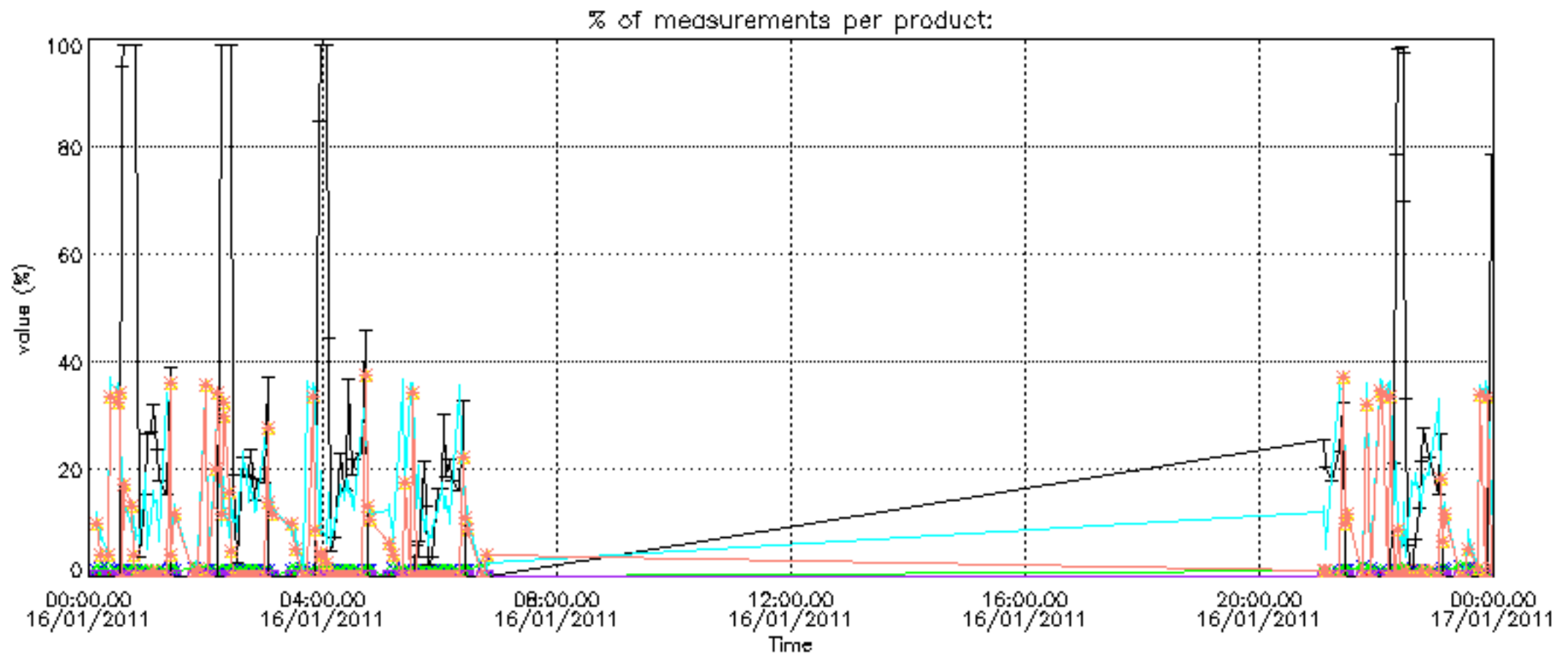
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	16-JAN-2011 00:07:14
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110111_101345_20110110_000000_20500101_000000	1	16-JAN-2011 00:07:14
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	16-JAN-2011 00:07:14
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	16-JAN-2011 00:07:14
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	16-JAN-2011 00:07:14
ECMWF_FILE	MISSING	1	16-JAN-2011 00:07:14
ECMWF_FILE	AUX_ECF_AXNECM20110115_172114_20110116_030000_20110116_150000	46	16-JAN-2011 03:27:42
ECMWF_FILE	AUX_ECA_AXNECM20110116_052115_20110115_210000_20110116_090000	70	16-JAN-2011 05:12:16
ECMWF_FILE	AUX_ECF_AXNECM20110116_052116_20110116_210000_20110117_090000	94	16-JAN-2011 21:03:40
OPTIONAL_ECMWF_FILE	MISSING	1	16-JAN-2011 00:07:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110115_224929_000060573098_00288_46423_2333.N1	1	16-JAN-2011 00:07:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110116_003026_000054193098_00289_46424_2334.N1	8	16-JAN-2011 00:36:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110116_020604_000044633098_00290_46425_2335.N1	28	16-JAN-2011 02:11:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110116_032546_000057383098_00291_46426_2336.N1	46	16-JAN-2011 03:27:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110116_050643_000057383098_00292_46427_2337.N1	70	16-JAN-2011 05:12:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110116_210305_000038253098_00302_46437_2338.N1	94	16-JAN-2011 21:03:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110116_221209_000057383098_00302_46437_2339.N1	109	16-JAN-2011 22:18:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110116_235306_000057383098_00303_46438_2340.N1	134	16-JAN-2011 23:58:22

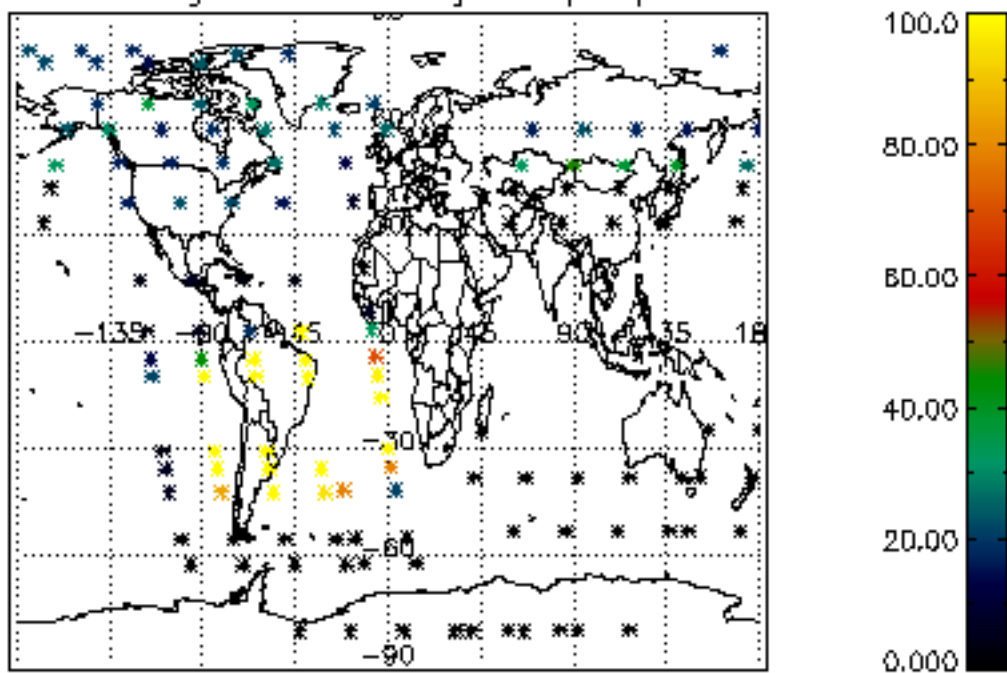




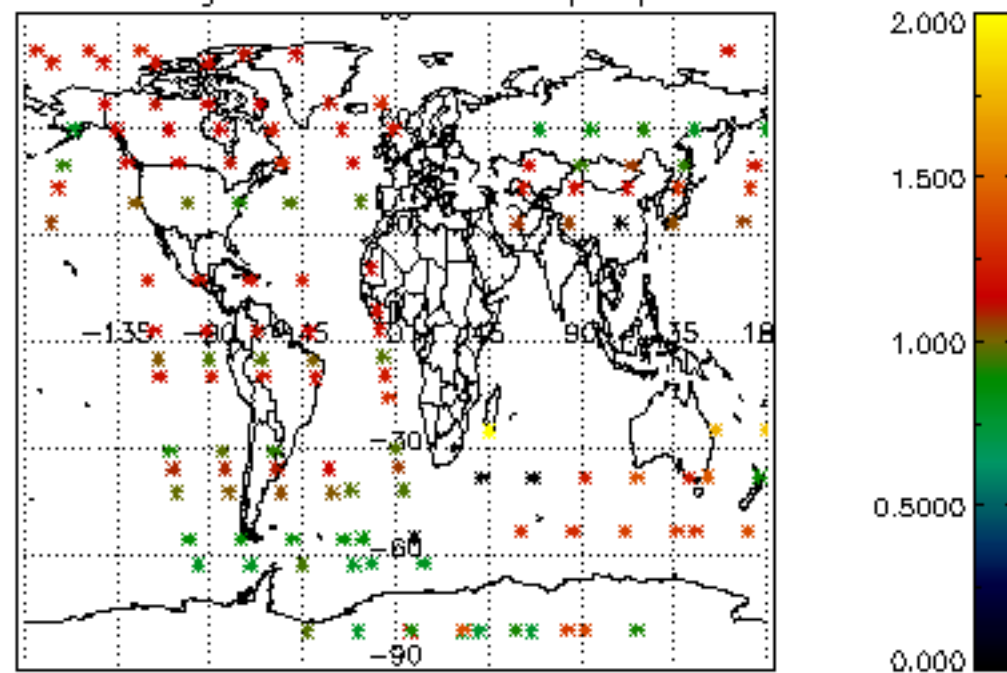




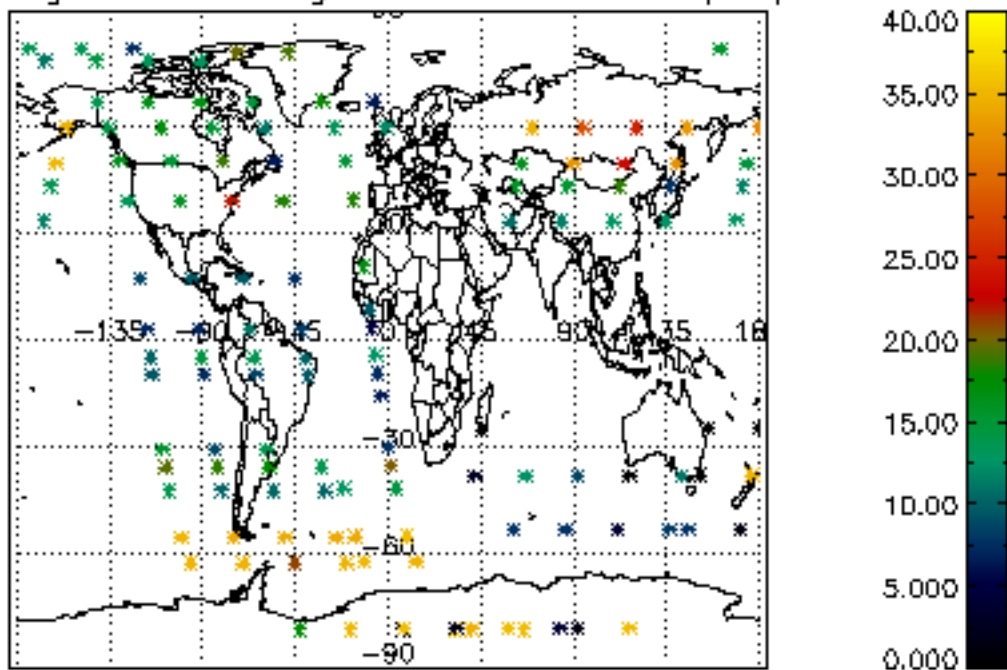
Percentage of cosmic ray hits per profile



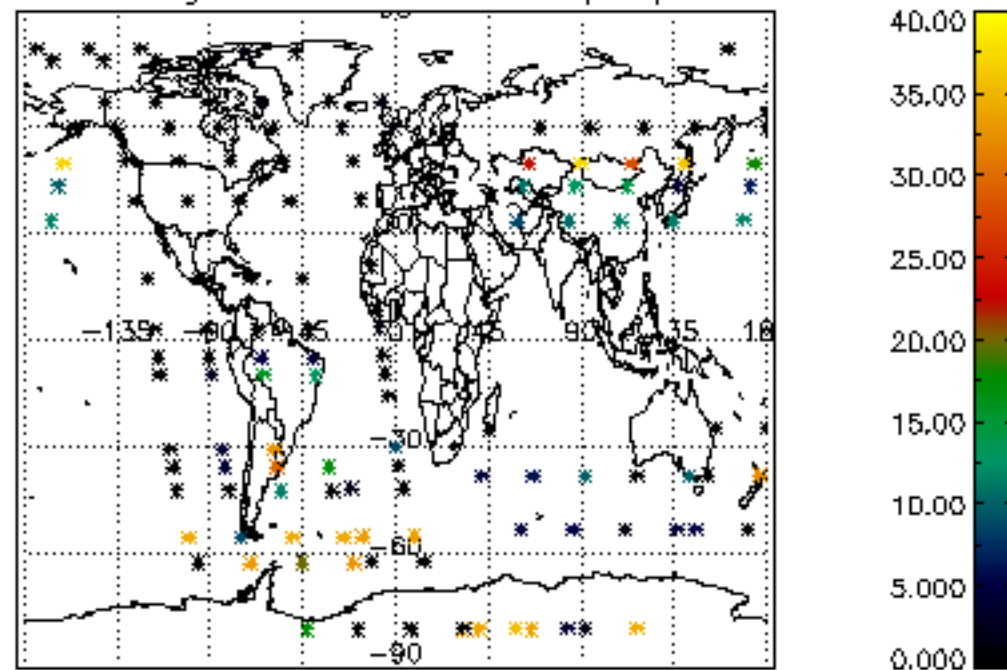
Percentage of datation errors per profile



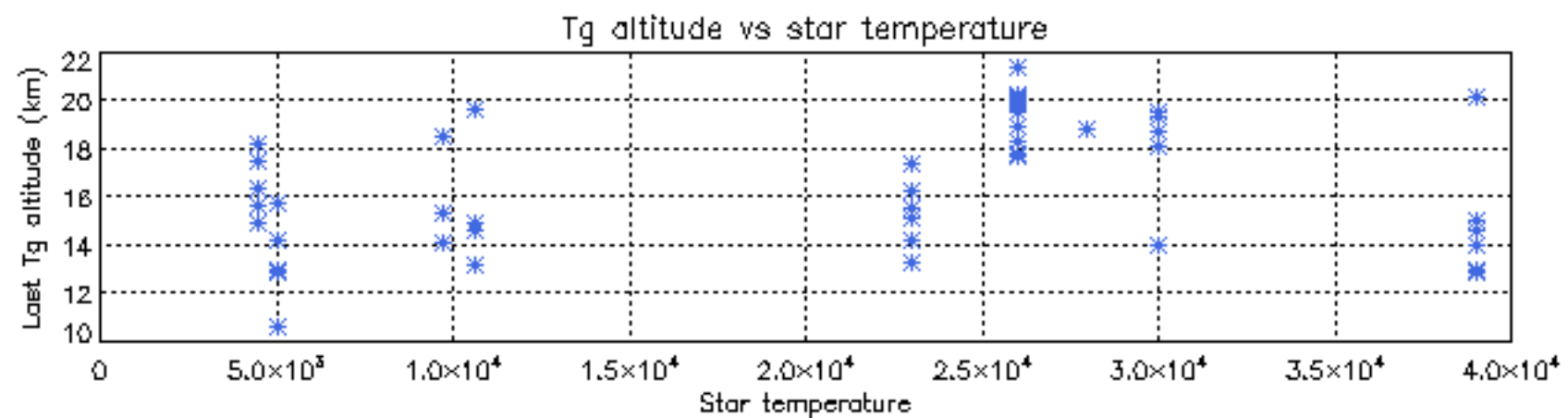
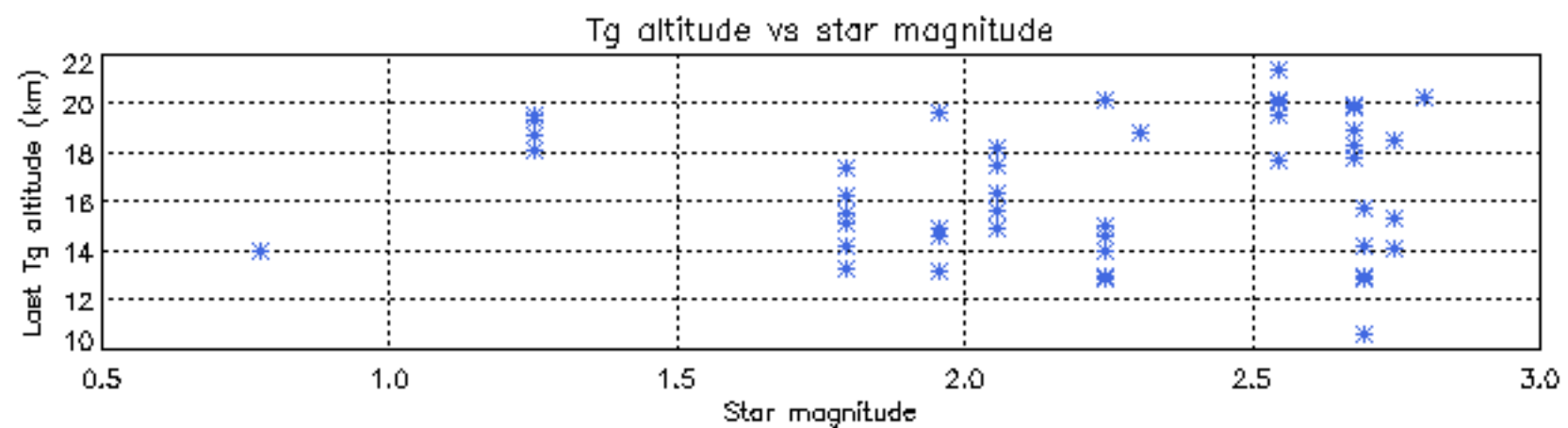
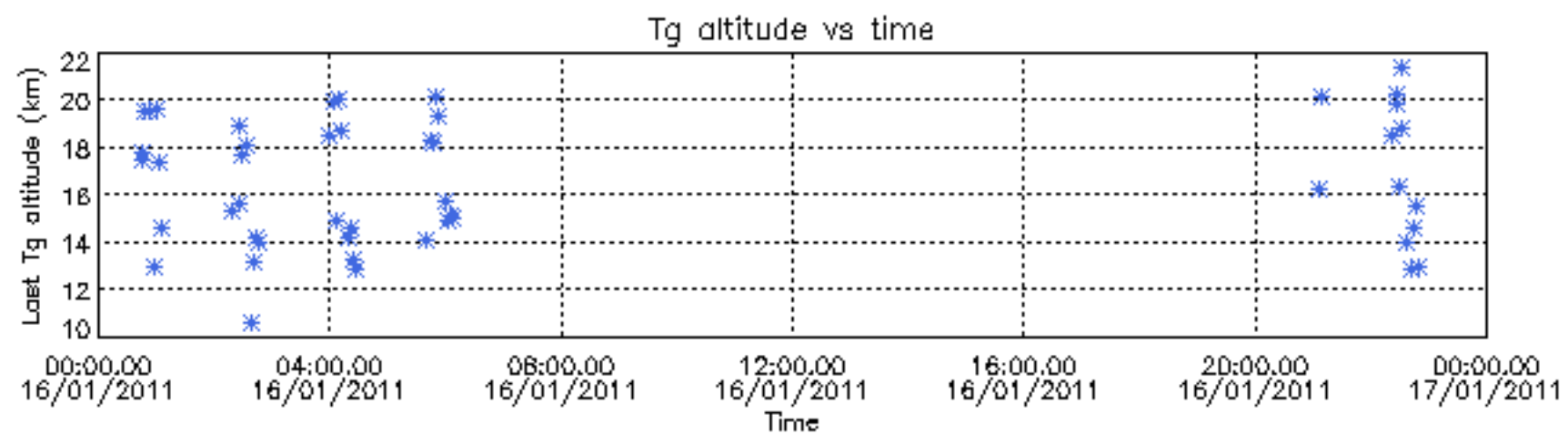
Percentage of star falling outside central band per profile



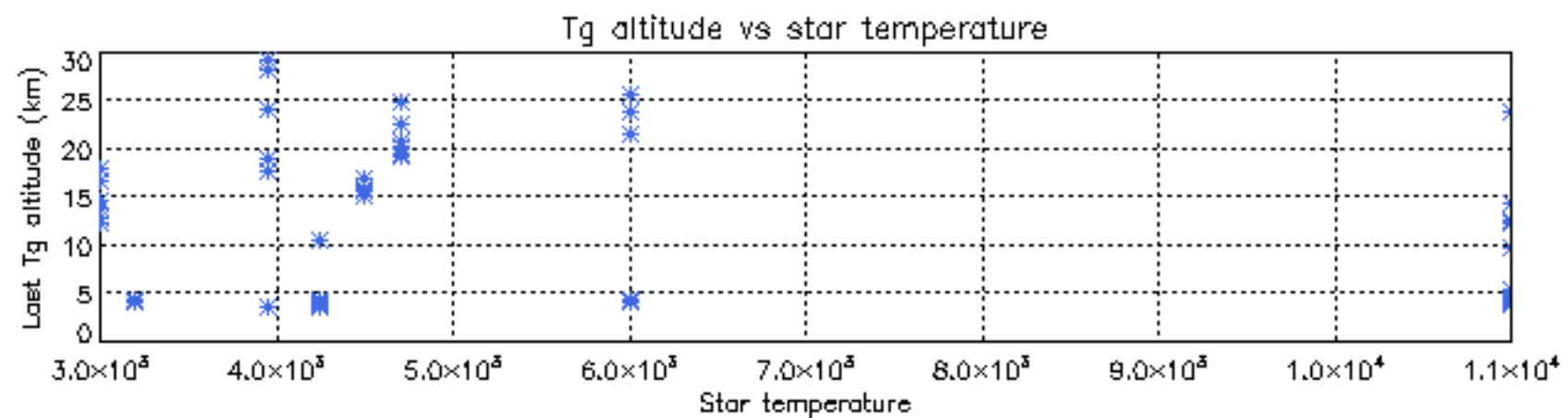
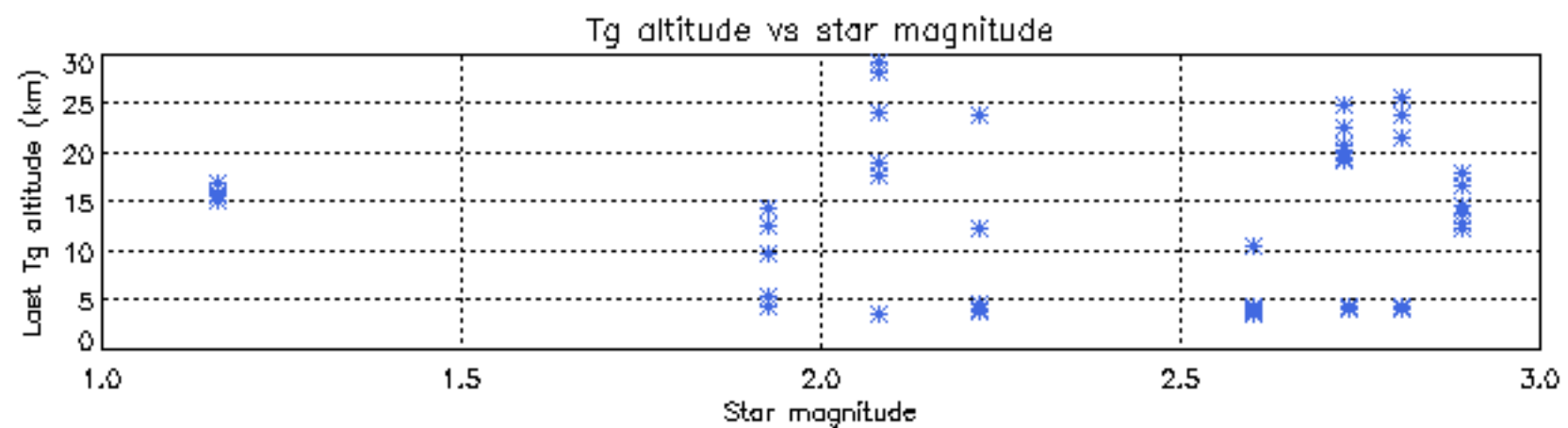
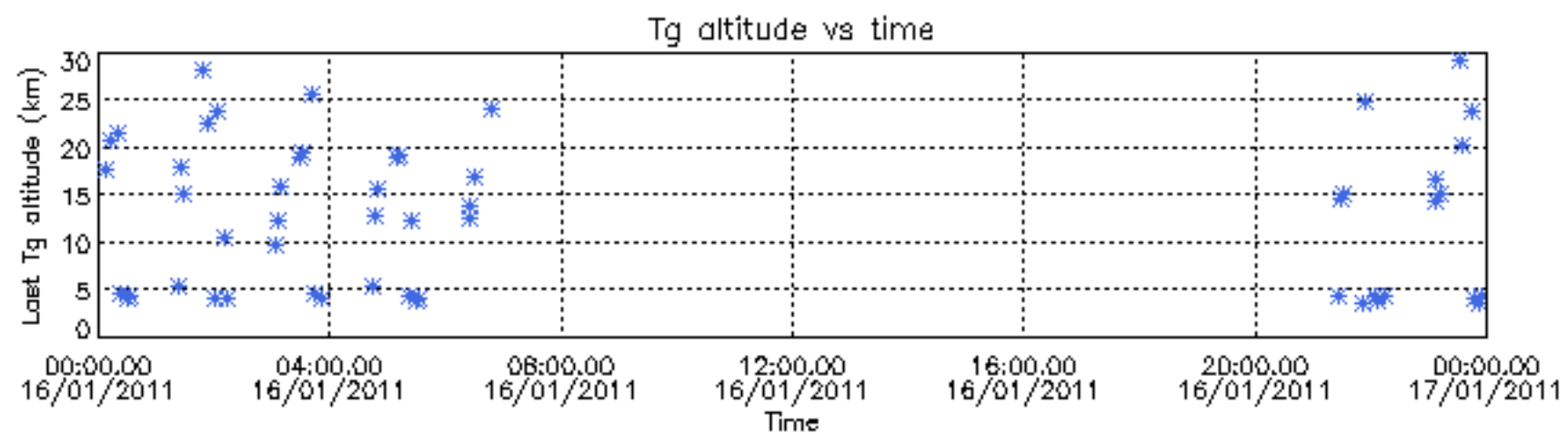
Percentage of saturation errors per profile

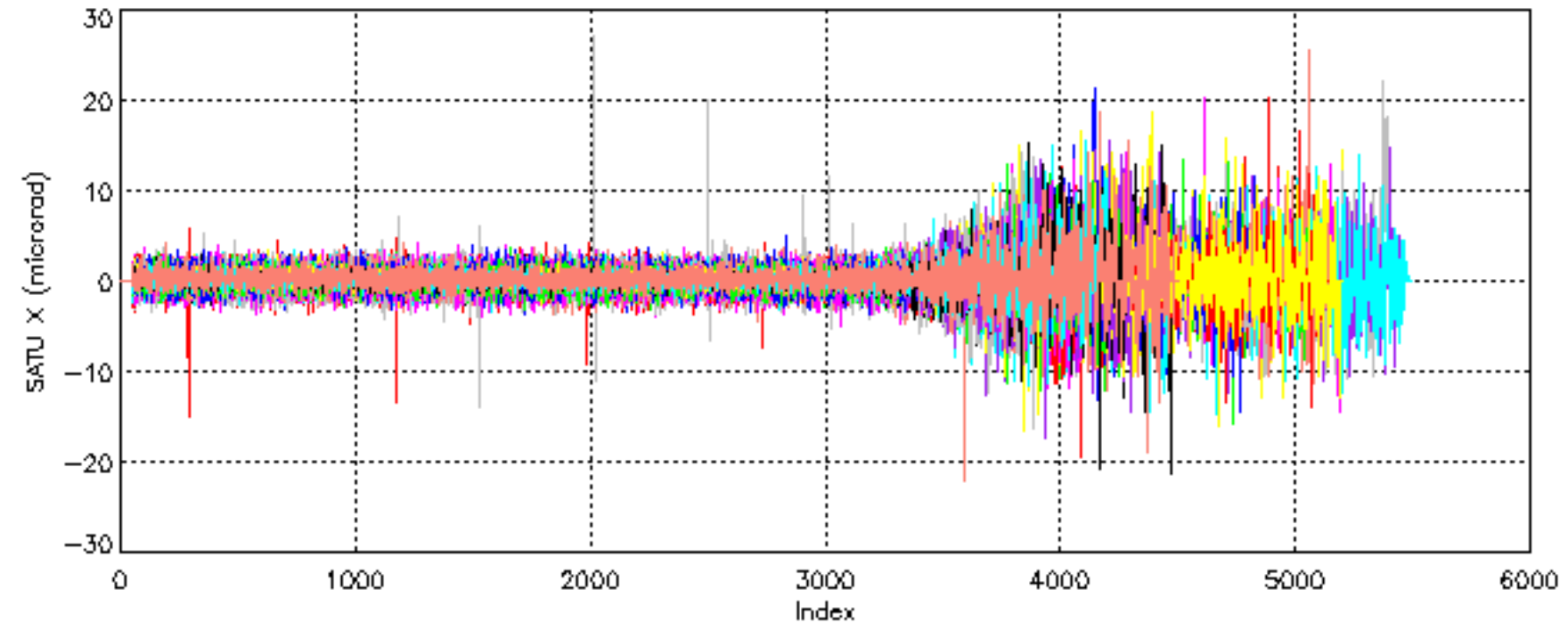


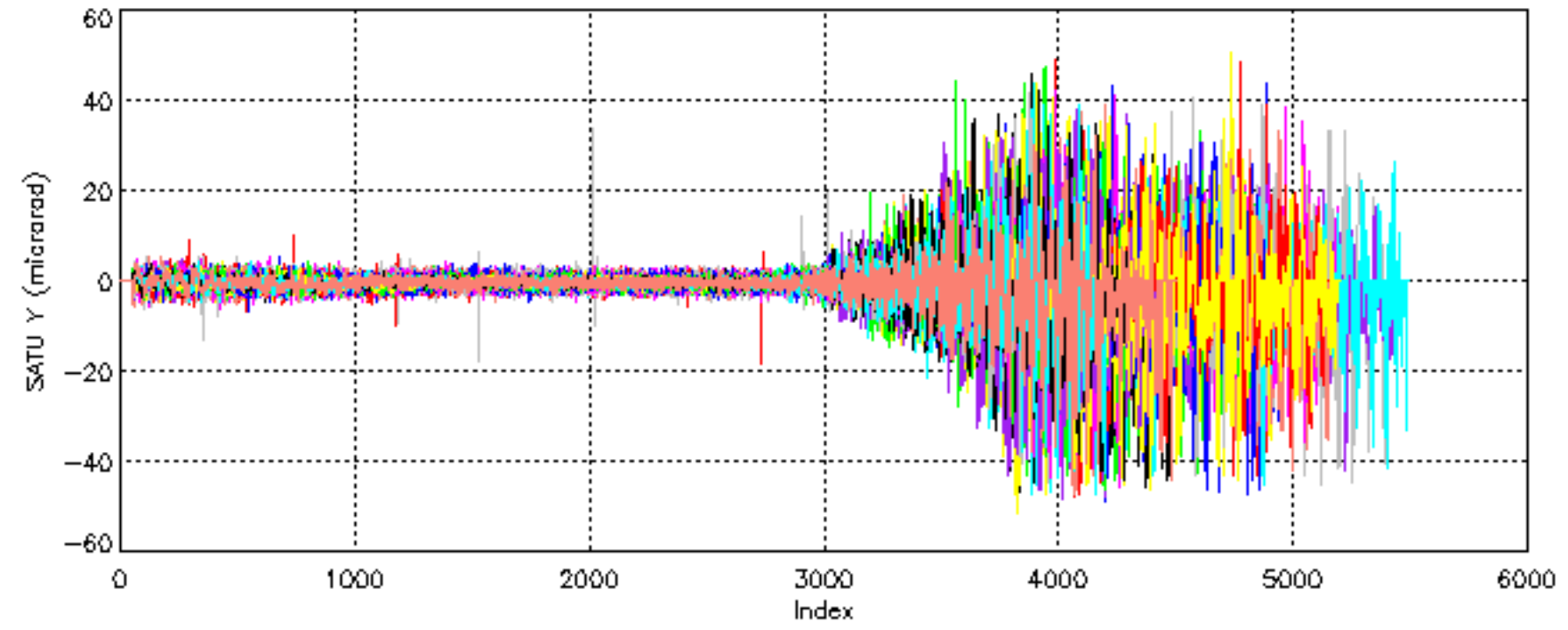
Tangent altitude at which the star is lost

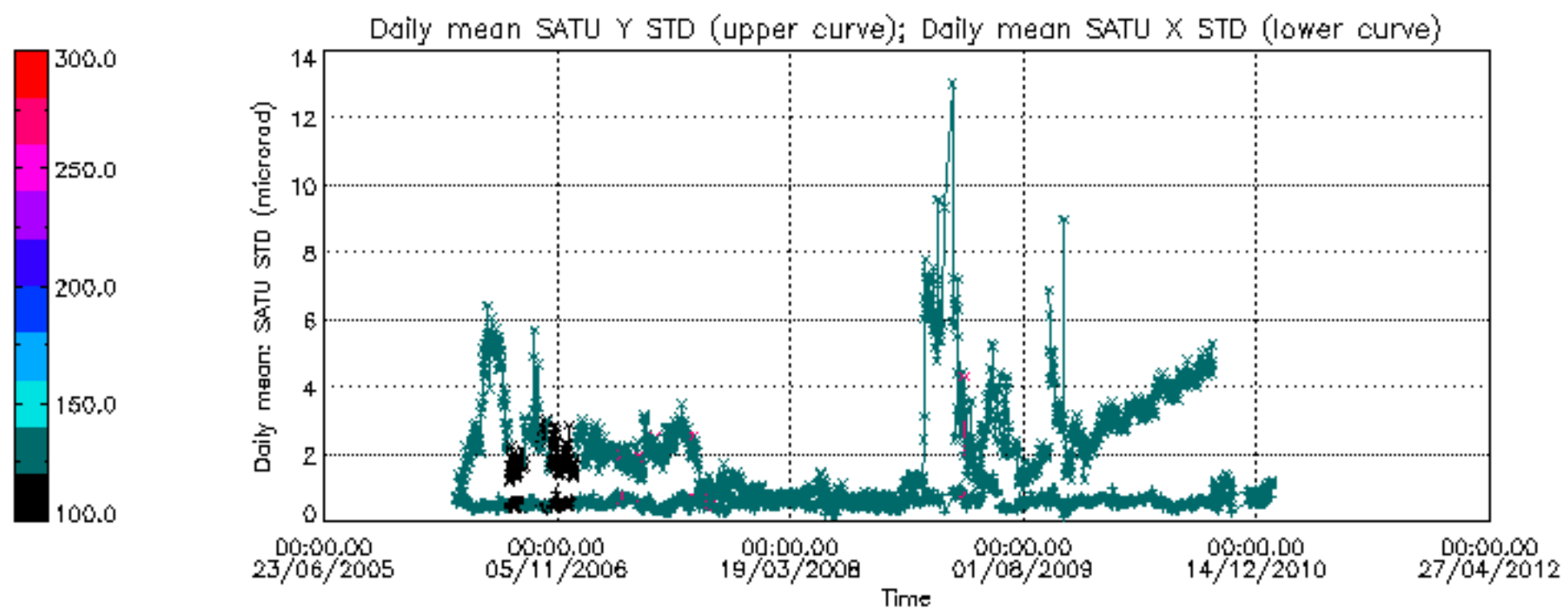


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110101_012508_000094163098_00074_46209_2000.N1

1;	-684.4;	01-JAN-2011	01:25:08;	Dark	;	45.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	90;	0;	46209
2;	-272.2;	01-JAN-2011	01:32:00;	Dark	;	43.0;	54;	5The Cen	;	2.06;	4500;	occ;	86;	0;	46209
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
14;	1570.3;	01-JAN-2011	02:02:43;	Dark	;	53.0;	1;	9Alp CMa	;	-1.44;	11000;	occ;	106;	0;	46210
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
20;	2551.7;	01-JAN-2011	02:19:04;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;	occ;	78;	0;	46210
21;	2677.4;	01-JAN-2011	02:21:10;	Bright;	;	40.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	81;	0;	46210
22;	3671.8;	01-JAN-2011	02:37:44;	Bright;	;	55.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	110;	0;	46210
23;	3889.5;	01-JAN-2011	02:41:22;	Bright;	;	48.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	96;	0;	46210
24;	4086.7;	01-JAN-2011	02:44:39;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	132;	0;	46210
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
27;	4747.8;	01-JAN-2011	02:55:40;	Bright;	;	54.0;	3;	16Alp Boo	;	-0.05;	4250;	occ;	108;	0;	46210
28;	4868.3;	01-JAN-2011	02:57:41;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	108;	0;	46210
29;	5171.3;	01-JAN-2011	03:02:44;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	0;	46210
30;	5330.2;	01-JAN-2011	03:05:23;	Dark	;	44.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	89;	0;	46210
31;	5742.5;	01-JAN-2011	03:12:15;	Dark	;	49.0;	54;	5The Cen	;	2.06;	4500;	occ;	98;	0;	46210
32;	5907.7;	01-JAN-2011	03:15:00;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;	occ;	80;	0;	46210
33;	6011.7;	01-JAN-2011	03:16:44;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;	occ;	79;	0;	46211
34;	6117.0;	01-JAN-2011	03:18:29;	Dark	;	45.0;	64;	Gam Cen	;	2.20;	10600;	occ;	90;	0;	46211
35;	6226.4;	01-JAN-2011	03:20:19;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46211
36;	6485.7;	01-JAN-2011	03:24:38;	Dark	;	49.0;	113;	Mu Vel	;	2.69;	5000;	occ;	98;	0;	46211
37;	6638.6;	01-JAN-2011	03:27:11;	Dark	;	42.5;	71;	Iot Car	;	2.25;	7700;	occ;	85;	0;	46211
38;	6752.6;	01-JAN-2011	03:29:05;	Dark	;	45.0;	46;	Del Vel	;	1.95;	10600;	occ;	90;	0;	46211
39;	6923.2;	01-JAN-2011	03:31:56;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	93;	0;	46211
40;	7054.0;	01-JAN-2011	03:34:06;	Dark	;	45.5;	70;	Zet Pup	;	2.25;	39000;	occ;	91;	0;	46211
41;	7178.0;	01-JAN-2011	03:36:10;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;	occ;	94;	0;	46211
42;	7345.3;	01-JAN-2011	03:38:58;	Dark	;	46.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	92;	0;	46211
43;	7437.3;	01-JAN-2011	03:40:30;	Dark	;	46.0;	179;	240mi2CMa	;	3.03;	24000;	occ;	92;	0;	46211
44;	7584.6;	01-JAN-2011	03:42:57;	Dark	;	53.0;	1;	9Alp CMa	;	-1.44;	11000;	occ;	106;	0;	46211
45;	7733.8;	01-JAN-2011	03:45:26;	Dark	;	44.0;	56;	53Kap Ori	;	2.07;	30000;	occ;	88;	0;	46211
46;	7883.6;	01-JAN-2011	03:47:56;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	89;	0;	46211
47;	8034.0;	01-JAN-2011	03:50:26;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	110;	0;	46211
48;	8228.0;	01-JAN-2011	03:53:40;	Dark	;	44.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	89;	0;	46211
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
51;	8691.4;	01-JAN-2011	04:01:24;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;	occ;	82;	0;	46211

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1;	-2342.4;	01-JAN-2011	04:17:58;	Bright;	;	39.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	78;	0;	46211
2;	-2124.9;	01-JAN-2011	04:21:36;	Bright;	;	47.5;	32;	77Eps UMa	;	1.76;	11000;	occ;	95;	0;	46211
3;	-1927.5;	01-JAN-2011	04:24:53;	Bright;	;	45.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	90;	0;	46211
4;	-1683.0;	01-JAN-2011	04:28:57;	Bright;	;	42.5;	180;	27Gam Boo	;	3.04;	8000;	occ;	85;	0;	46211
5;	-1461.7;	01-JAN-2011	04:32:39;	Bright;	;	44.0;	83;		;	2.38;	11000;	occ;	88;	0;	46211
6;	-1265.7;	01-JAN-2011	04:35:55;	Bright;	;	54.0;	3;	16Alp Boo	;	-0.05;	4250;	occ;	108;	0;	46211
7;	-1145.5;	01-JAN-2011	04:37:55;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	108;	0;	46211
8;	-842.3;	01-JAN-2011	04:42:58;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	0;	46211
9;	-683.2;	01-JAN-2011	04:45:37;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	91;	0;	46211
10;	-270.8;	01-JAN-2011	04:52:30;	Dark	;	47.0;	54;	5The Cen	;	2.06;	4500;	occ;	94;	0;	46211
11;	-105.9;	01-JAN-2011	04:55:15;	Dark	;	41.5;	95;	Zet Cen	;	2.55;	26000;	occ;	83;	0;	46211
12;	-1.7;	01-JAN-2011	04:56:59;	Dark	;	40.0;	77;	Eps Cen	;	2.30;	28000;	occ;	80;	0;	46212
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
15;	472.3;	01-JAN-2011	05:04:53;	Dark	;	48.5;	113;	Mu Vel	;	2.69;	5000;	occ;	97;	0;	46212


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16; 625.1; 01-JAN-2011 05:07:26; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46212
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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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25; 1869.6; 01-JAN-2011 05:28:10; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;46212
26; 2019.7; 01-JAN-2011 05:30:40; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46212
27; 2213.8; 01-JAN-2011 05:33:54; Dark ; 52.5; 44; 24Gam Gem ; 1.93; 11000;occ; 105; 0;46212
28; 2312.0; 01-JAN-2011 05:35:32; Bright; 60.0; 151; 13Mu Gem ; 2.89; 3000;occ; 120; 0;46212
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
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 7; 1720.8; 01-JAN-2011 20:27:48; Dark ; 44.0; 56; 53Kap Ori ; 2.07; 30000;occ; 88; 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
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11; 2309.2; 01-JAN-2011 20:37:36; Bright; 45.0; 151; 13Mu Gem ; 2.89; 3000;occ; 90; 0;46221
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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19; 4752.6; 01-JAN-2011 21:18:19; Bright; 54.5; 3; 16Alp Boo ; -0.05; 4250;occ; 109; 0;46221
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11; 914.6; 01-JAN-2011 21:54:35; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;46222
12; 1045.6; 01-JAN-2011 21:56:46; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46222
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 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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 5; 2207.3; 02-JAN-2011 14:58:28; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 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
 14; 4757.7; 02-JAN-2011 15:40:58; Bright; 55.5; 3; 16Alp Boo ; -0.05; 4250;occ; 111; 0;46232
 15; 4875.1; 02-JAN-2011 15:42:56; Bright; 50.5; 102; 24Alp Ser ; 2.60; 4250;occ; 101; 0;46232
 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
 28; 7185.9; 02-JAN-2011 16:21:27; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 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
 7; 495.2; 03-JAN-2011 00:31:20; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46238
 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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 12; 1173.5; 03-JAN-2011 00:42:38; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;46238
 13; 1338.2; 03-JAN-2011 00:45:23; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;46238
 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
 19; 2545.0; 03-JAN-2011 01:05:30; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;46238
 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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 4; -88.9; 03-JAN-2011 02:01:50; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46238
 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
 12; 1053.9; 03-JAN-2011 02:20:53; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;46239
 13; 1173.8; 03-JAN-2011 02:22:53; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;46239
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 15; 1429.5; 03-JAN-2011 02:27:08; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 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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 19; 2304.1; 03-JAN-2011 02:41:43; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;46239
 20; 2544.8; 03-JAN-2011 02:45:44; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46239
 21; 2675.2; 03-JAN-2011 02:47:54; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;46239

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 2; -2137.0; 03-JAN-2011 03:07:56; Bright; 49.5; 32; 77Eps UMa ; 1.76; 11000;occ; 99; 0;46239
 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
 9; -665.9; 03-JAN-2011 03:32:27; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;46239
 10; -250.0; 03-JAN-2011 03:39:23; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;46239
 11; -88.0; 03-JAN-2011 03:42:05; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;46239
 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
 14; 239.3; 03-JAN-2011 03:47:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46240
 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

17; 754.1; 03-JAN-2011 03:56:07; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;46240
 18; 923.7; 03-JAN-2011 03:58:57; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46240
 19; 1054.3; 03-JAN-2011 04:01:07; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;46240
 20; 1174.3; 03-JAN-2011 04:03:07; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;46240
 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
 27; 2544.9; 03-JAN-2011 04:25:58; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46240
 28; 2675.5; 03-JAN-2011 04:28:08; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;46240
 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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 2; -2137.3; 03-JAN-2011 04:48:10; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;46240
 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
 5; -1455.6; 03-JAN-2011 04:59:31; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;46240
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 7; -1136.5; 03-JAN-2011 05:04:51; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46240
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 13; 127.7; 03-JAN-2011 05:25:55; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;46241
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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
 6; 1575.4; 03-JAN-2011 20:52:09; Dark ; 53.5; 1; 9Alp CMa ; -1.44; 11000;occ; 107; 0;46250
 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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 12; 3667.6; 03-JAN-2011 21:27:01; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;46250
 13; 3872.2; 03-JAN-2011 21:30:25; Bright; 37.0; 32; 77Eps UMa ; 1.76; 11000;occ; 74; 0;46250
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 18; 4765.8; 03-JAN-2011 21:45:19; Bright; 26.0; 3; 16Alp Boo ; -0.05; 4250;occ; 52; 0;46250
 19; 4880.8; 03-JAN-2011 21:47:14; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;46250
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 23; 1576.3; 04-JAN-2011 06:53:34; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;46256
 24; 2018.5; 04-JAN-2011 07:00:56; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;46256
 25; 2201.0; 04-JAN-2011 07:03:58; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;46256
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 28; 2674.5; 04-JAN-2011 07:11:52; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;46256
 29; 3666.8; 04-JAN-2011 07:28:24; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46256

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 3; 1182.3; 04-JAN-2011 20:08:52; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;46264
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8; 2198.5; 04-JAN-2011 20:25:48; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;46264
9; 2298.1; 04-JAN-2011 20:27:28; Bright; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;46264
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15; 4332.3; 04-JAN-2011 21:01:22; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;46264
16; 4563.7; 04-JAN-2011 21:05:13; Bright; 65.0; 83; ; 2.38; 11000;occ; 130; 0;46264
17; 4885.5; 04-JAN-2011 21:10:35; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;46264
18; 5197.6; 04-JAN-2011 21:15:47; Bright; 0.5; 104; 27Bet Lib ; 2.61; 13100;occ; 1; 0;46264

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5; 29.4; 04-JAN-2011 21:29:53; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46265
6; 147.6; 04-JAN-2011 21:31:51; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46265
7; 262.7; 04-JAN-2011 21:33:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46265
8; 518.7; 04-JAN-2011 21:38:02; Dark ; 56.0; 113; Mu Vel ; 2.69; 5000;occ; 112; 0;46265
9; 652.9; 04-JAN-2011 21:40:16; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46265
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21; 2672.5; 04-JAN-2011 22:13:56; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46265
22; 3665.6; 04-JAN-2011 22:30:29; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;46265
23; 3930.5; 04-JAN-2011 22:34:54; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;46265
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26; 4563.9; 04-JAN-2011 22:45:27; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;46265
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28; 5198.1; 04-JAN-2011 22:56:02; Bright; 50.0; 104; 27Bet Lib ; 2.61; 13100;occ; 100; 0;46265

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9; -236.7; 04-JAN-2011 08:03:35; Dark ; 46.0; 54; 5The Cen ; 2.06; 4500;occ; 92; 0;46256
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17; 931.9; 04-JAN-2011 08:23:03; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46257
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6; 2674.4; 04-JAN-2011 08:52:06; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;46257
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9; 3933.6; 04-JAN-2011 09:13:05; Bright; 46.0; 55; 79Zet UMa ; 2.06; 10200;occ; 92; 0;46257
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20; 6270.1; 04-JAN-2011 09:52:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46258
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22; 6663.3; 04-JAN-2011 09:58:35; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46258
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25; 7076.8; 04-JAN-2011 10:05:28; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;46258
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 19; 6272.0; 04-JAN-2011 13:12:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46260
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 25; 7195.1; 04-JAN-2011 13:27:54; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;46260
 26; 7358.2; 04-JAN-2011 13:30:38; Dark ; 45.0; 23; 21Eps CMA ; 1.50; 26000;occ; 90; 0;46260
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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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 12; 279.7; 06-JAN-2011 03:38:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46283
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13; 166.8; 19-JAN-2011 04:00:04; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;46470
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 3; 2173.2; 19-JAN-2011 14:34:54; Dark ; 51.0; 44; 24Gam Gem ; 1.93; 11000;occ; 102; 0;46476
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 5; 2425.1; 19-JAN-2011 14:39:06; Bright; 44.5; 17; 78Bet Gem ; 1.16; 4500;occ; 89; 0;46476
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 5; 2424.5; 19-JAN-2011 16:19:19; Bright; 46.5; 17; 78Bet Gem ; 1.16; 4500;occ; 93; 0;46477
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13; 5348.1; 19-JAN-2011 17:08:03; Dark ; 55.5; 104; 27Bet Lib ; 2.61; 13100;occ; 111; 0;46477
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23; 6814.6; 19-JAN-2011 17:32:29; Dark ; 40.0; 91; Kap Vel ; 2.49; 26000;occ; 80; 0;46478
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5; 2324.3; 19-JAN-2011 17:57:53; Bright; 39.5; 170; 27Eps Gem ; 3.00; 9700;occ; 79; 0;46478
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7; 3387.7; 19-JAN-2011 18:15:37; Bright; 48.0; 36; 50Alp UMa ; 1.80; 6300;occ; 96; 0;46478
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4; 95.3; 20-JAN-2011 01:41:54; Dark ; 44.0; 95; Zet Cen ; 2.55; 26000;occ; 88; 0;46483
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