

GOMOS Daily Report 10-APR-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	13APR2011 07:05:48
Data source version	GOMOS/5.01
Start time of products	10APR2011 00:03:16
Stop time of products	10APR2011 23:55:57
Store outputs in DB	Yes
Nb of level 1b prods	266
Nb of prods with errors	4

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

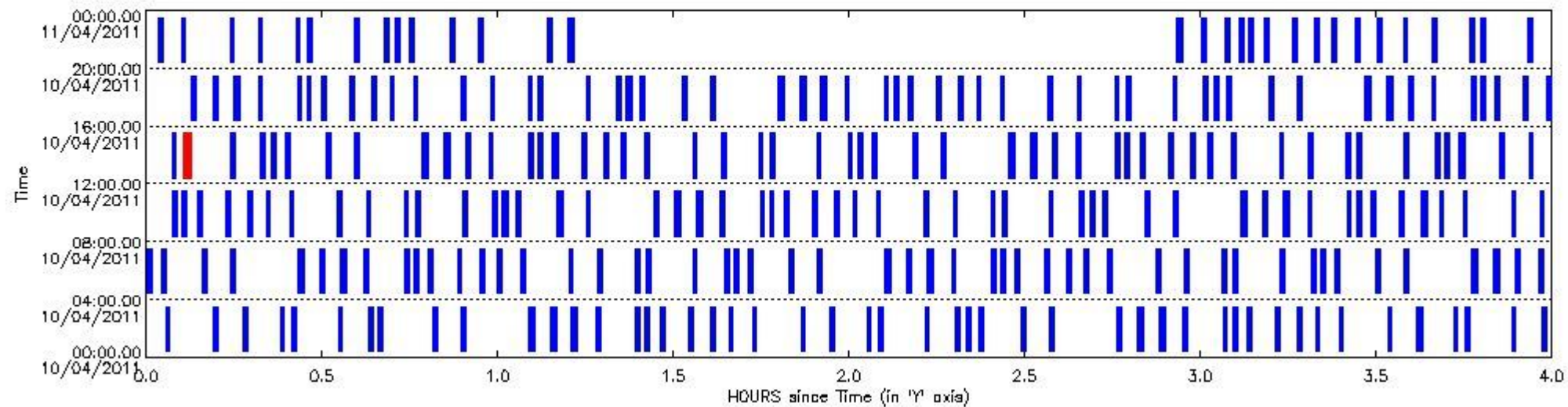
2.1 Level 0 products arrived in PCF (see template [here](#))

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
10-APR-2011 12:06:23	14EtaDra	119	47638

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_1PNPDE20110410_000316_000000423101_00203_47631_4129.N1	10-APR-2011 00:03:16	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	47631	No
2	GOM_TRA_1PNPDE20110410_001131_000000383101_00203_47631_4130.N1	10-APR-2011 00:11:31	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	47631	No
3	GOM_TRA_1PNPDE20110410_001626_000000573101_00203_47631_4131.N1	10-APR-2011 00:16:26	Bright	57.000	32	77Eps UMa	1.7630	11000.	114	47631	No
4	GOM_TRA_1PNPDE20110410_002250_000000413101_00203_47631_4132.N1	10-APR-2011 00:22:50	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47631	No
5	GOM_TRA_1PNPDE20110410_002447_000000483101_00203_47631_4133.N1	10-APR-2011 00:24:47	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47631	No
6	GOM_TRA_1PNPDE20110410_003243_000000393101_00203_47631_4134.N1	10-APR-2011 00:32:43	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47631	No
7	GOM_TRA_1PNPDE20110410_003756_000000473101_00203_47631_4135.N1	10-APR-2011 00:37:56	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	47631	No
8	GOM_TRA_1PNPDE20110410_003939_000000503101_00203_47631_4136.N1	10-APR-2011 00:39:39	Bright	49.500	66	37Gam Cyg	2.2080	5900.0	99	47631	No
9	GOM_TRA_1PNPDE20110410_004900_000000453101_00203_47631_4137.N1	10-APR-2011 00:49:00	Tw_i_and_stray	45.000	61	8Eps Peg	2.1000	3900.0	90	47631	No
10	GOM_TRA_1PNPDE20110410_005351_000000473101_00203_47631_4138.N1	10-APR-2011 00:53:51	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	47631	No

11	GOM_TRA_1PNPDE20110410_010859_000000593101_00204_47632_4174.N1	10-APR-2011 01:08:59	Dark	59.000	103	38Zet Sgr	2.6000	9700.0	118	47632	No
12	GOM_TRA_1PNPDE20110410_011237_000000603101_00204_47632_4175.N1	10-APR-2011 01:12:37	Dark	60.000	38	20Eps Sgr	1.8360	11000.	120	47632	No
13	GOM_TRA_1PNPDE20110410_011645_000000443101_00204_47632_4176.N1	10-APR-2011 01:16:45	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	47632	No
14	GOM_TRA_1PNPDE20110410_012336_000000443101_00204_47632_4177.N1	10-APR-2011 01:23:36	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	47632	No
15	GOM_TRA_1PNPDE20110410_012511_000000483101_00204_47632_4178.N1	10-APR-2011 01:25:11	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	47632	No
16	GOM_TRA_1PNPDE20110410_012740_000000513101_00204_47632_4179.N1	10-APR-2011 01:27:40	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	47632	No
17	GOM_TRA_1PNPDE20110410_013236_000000463101_00204_47632_4180.N1	10-APR-2011 01:32:36	Tw_i_and_stray	46.000	169	46Gam Hya	2.9910	4700.0	92	47632	No
18	GOM_TRA_1PNPDE20110410_013624_000000503101_00204_47632_4154.N1	10-APR-2011 01:36:24	Bright	49.500	15	67Alp Vir	0.97600	28000.	99	47632	No
19	GOM_TRA_1PNPDE20110410_013930_000000403101_00204_47632_4155.N1	10-APR-2011 01:39:30	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	47632	No
20	GOM_TRA_1PNPDE20110410_014330_000000423101_00204_47632_4156.N1	10-APR-2011 01:43:30	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	47632	No
21	GOM_TRA_1PNPDE20110410_015145_000000423101_00204_47632_4157.N1	10-APR-2011 01:51:45	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	47632	No
22	GOM_TRA_1PNPDE20110410_015639_000000573101_00204_47632_4158.N1	10-APR-2011 01:56:39	Bright	57.000	32	77Eps UMa	1.7630	11000.	114	47632	No
23	GOM_TRA_1PNPDE20110410_020304_000000413101_00204_47632_4159.N1	10-APR-2011 02:03:04	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47632	No
24	GOM_TRA_1PNPDE20110410_020500_000000493101_00204_47632_4160.N1	10-APR-2011 02:05:00	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	47632	No
25	GOM_TRA_1PNPDE20110410_021257_000000393101_00204_47632_4161.N1	10-APR-2011 02:12:57	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47632	No
26	GOM_TRA_1PNPDE20110410_021810_000000453101_00204_47632_4162.N1	10-APR-2011 02:18:10	Bright	45.000	19	50Alp Cyg	1.2460	10500.	90	47632	No
27	GOM_TRA_1PNPDE20110410_021953_000000503101_00204_47632_4163.N1	10-APR-2011 02:19:53	Bright	49.500	66	37Gam Cyg	2.2080	5900.0	99	47632	No
28	GOM_TRA_1PNPDE20110410_022212_000000493101_00204_47632_4164.N1	10-APR-2011 02:22:12	Bright	49.000	92	53Eps Cyg	2.5000	4500.0	98	47632	No
29	GOM_TRA_1PNPDE20110410_022914_000000493101_00204_47632_4165.N1	10-APR-2011 02:29:14	Tw_i_and_stray	49.000	61	8Eps Peg	2.1000	3900.0	98	47632	No
30	GOM_TRA_1PNPDE20110410_023406_000000473101_00204_47632_4166.N1	10-APR-2011 02:34:06	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	47632	No
31	GOM_TRA_1PNPDE20110410_024914_000000583101_00205_47633_4167.N1	10-APR-2011 02:49:14	Dark	57.500	103	38Zet Sgr	2.6000	9700.0	115	47633	No
32	GOM_TRA_1PNPDE20110410_025252_000000613101_00205_47633_4168.N1	10-APR-2011 02:52:52	Dark	61.000	38	20Eps Sgr	1.8360	11000.	122	47633	No
33	GOM_TRA_1PNPDE20110410_025700_000000443101_00205_47633_4169.N1	10-APR-2011 02:57:00	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	47633	No
34	GOM_TRA_1PNPDE20110410_030350_000000423101_00205_47633_4170.N1	10-APR-2011 03:03:50	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	47633	No
35	GOM_TRA_1PNPDE20110410_030526_000000483101_00205_47633_4171.N1	10-APR-2011 03:05:26	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	47633	No
36	GOM_TRA_1PNPDE20110410_030755_000000503101_00205_47633_4172.N1	10-APR-2011 03:07:55	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	47633	No
37	GOM_TRA_1PNPDE20110410_031251_000000463101_00205_47633_4173.N1	10-APR-2011 03:12:51	Tw_i_and_stray	46.000	169	46Gam Hya	2.9910	4700.0	92	47633	No
38	GOM_TRA_1PNPDE20110410_031638_000000493101_00205_47633_4174.N1	10-APR-2011 03:16:38	Bright	49.000	15	67Alp Vir	0.97600	28000.	98	47633	No
39	GOM_TRA_1PNPDE20110410_031944_000000413101_00205_47633_4175.N1	10-APR-2011 03:19:44	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47633	No
40	GOM_TRA_1PNPDE20110410_032344_000000423101_00205_47633_4176.N1	10-APR-2011 03:23:44	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	47633	No
41	GOM_TRA_1PNPDE20110410_033159_000000413101_00205_47633_4177.N1	10-APR-2011 03:31:59	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	47633	No
42	GOM_TRA_1PNPDE20110410_033653_000000573101_00205_47633_4178.N1	10-APR-2011 03:36:53	Bright	57.000	32	77Eps UMa	1.7630	11000.	114	47633	No
43	GOM_TRA_1PNPDE20110410_034318_000000383101_00205_47633_4179.N1	10-APR-2011 03:43:18	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	47633	No
44	GOM_TRA_1PNPDE20110410_034513_000000463101_00205_47633_4180.N1	10-APR-2011 03:45:13	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47633	No
45	GOM_TRA_1PNPDE20110410_035311_000000393101_00205_47633_4186.N1	10-APR-2011 03:53:11	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47633	No
46	GOM_TRA_1PNPDE20110410_035824_000000473101_00205_47633_4187.N1	10-APR-2011 03:58:24	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	47633	No
47	GOM_TRA_1PNPDE20110410_040007_000000513101_00205_47633_4188.N1	10-APR-2011 04:00:07	Bright	50.500	66	37Gam Cyg	2.2080	5900.0	101	47633	No
48	GOM_TRA_1PNPDE20110410_040227_000000513101_00205_47633_4189.N1	10-APR-2011 04:02:27	Bright	50.500	92	53Eps Cyg	2.5000	4500.0	101	47633	No
49	GOM_TRA_1PNPDE20110410_040929_000000503101_00205_47633_4190.N1	10-APR-2011 04:09:29	Tw_i_and_stray	50.000	61	8Eps Peg	2.1000	3900.0	100	47633	No
50	GOM_TRA_1PNPDE20110410_041420_000000493101_00205_47633_4191.N1	10-APR-2011 04:14:20	Dark	49.000	154	22Bet Aqr	2.8990	5700.0	98	47633	No
51	GOM_TRA_1PNPDE20110410_042930_000000603101_00206_47634_4192.N1	10-APR-2011 04:29:30	Dark	59.500	103	38Zet Sgr	2.6000	9700.0	119	47634	No
52	GOM_TRA_1PNPDE20110410_043308_000000613101_00206_47634_4193.N1	10-APR-2011 04:33:08	Dark	61.000	38	20Eps Sgr	1.8360	11000.	122	47634	No
53	GOM_TRA_1PNPDE20110410_043715_000000433101_00206_47634_4194.N1	10-APR-2011 04:37:15	Dark	43.000	25	35Lam Sco	1.6200	28000.	86	47634	No
54	GOM_TRA_1PNPDE20110410_044404_000000463101_00206_47634_4195.N1	10-APR-2011 04:44:04	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	47634	No
55	GOM_TRA_1PNPDE20110410_044541_000000433101_00206_47634_4196.N1	10-APR-2011 04:45:41	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	47634	No
56	GOM_TRA_1PNPDE20110410_044809_000000493101_00206_47634_4197.N1	10-APR-2011 04:48:09	Straylight	48.500	54	5The Cen	2.0550	4500.0	97	47634	No
57	GOM_TRA_1PNPDE20110410_045305_000000473101_00206_47634_4198.N1	10-APR-2011 04:53:05	Tw_i_and_stray	47.000	169	46Gam Hya	2.9910	4700.0	94	47634	No
58	GOM_TRA_1PNPDE20110410_045653_000000523101_00206_47634_4199.N1	10-APR-2011 04:56:53	Bright	52.000	15	67Alp Vir	0.97600	28000.	104	47634	No
59	GOM_TRA_1PNPDE20110410_045958_000000403101_00206_47634_4200.N1	10-APR-2011 04:59:58	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	47634	No
60	GOM_TRA_1PNPDE20110410_050357_000000423101_00206_47634_4201.N1	10-APR-2011 05:03:57	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	47634	No
61	GOM_TRA_1PNPDE20110410_051212_000000403101_00206_47634_4202.N1	10-APR-2011 05:12:12	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47634	No
62	GOM_TRA_1PNPDE20110410_051707_000000393101_00206_47634_4203.N1	10-APR-2011 05:17:07	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	47634	No
63	GOM_TRA_1PNPDE20110410_052332_000000423101_00206_47634_4204.N1	10-APR-2011 05:23:32	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	47634	No
64	GOM_TRA_1PNPDE20110410_052527_000000493101_00206_47634_4205.N1	10-APR-2011 05:25:27	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	47634	No
65	GOM_TRA_1PNPDE20110410_053325_000000363101_00206_47634_4206.N1	10-APR-2011 05:33:25	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	47634	No
66	GOM_TRA_1PNPDE20110410_053838_000000473101_00206_47634_4207.N1	10-APR-2011 05:38:38	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	47634	No
67	GOM_TRA_1PNPDE20110410_054021_000000503101_00206_47634_4208.N1	10-APR-2011 05:40:21	Bright	49.500	66	37Gam Cyg	2.2080	5900.0	99	47634	No
68	GOM_TRA_1PNPDE20110410_054241_000000493101_00206_47634_4209.N1	10-APR-2011 05:42:41	Bright	48.500	92	53Eps Cyg	2.5000	4500.0	97	47634	No
69	GOM_TRA_1PNPDE20110410_054943_000000503101_00206_47634_4210.N1	10-APR-2011 05:49:43	Tw_i_and_stray	49.500	61	8Eps Peg	2.1000	3900.0	99	47634	No

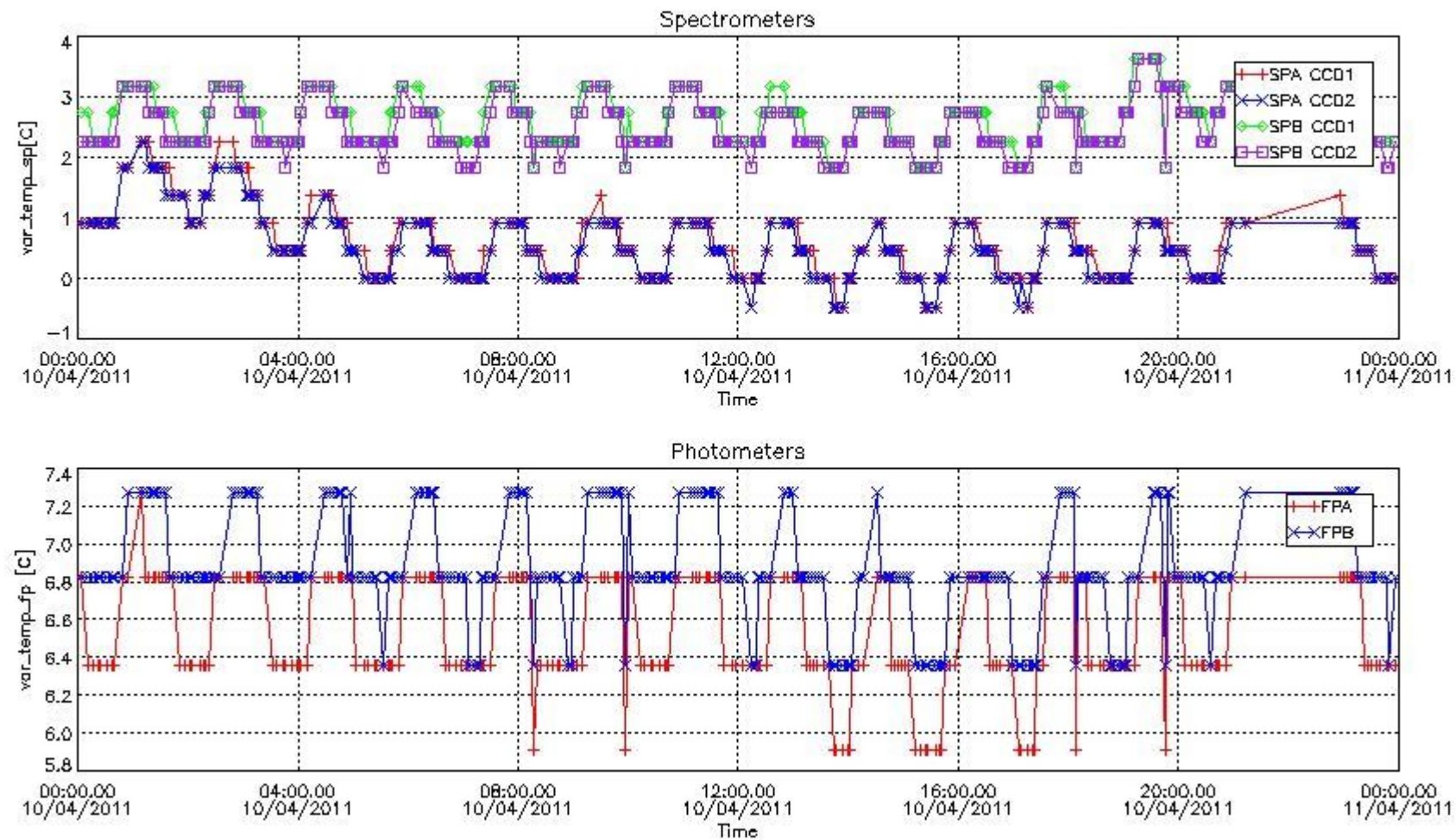
70	GOM_TRA_1PNPDE20110410_055435_000000463101_00206_47634_4211.N1	10-APR-2011 05:54:35	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	47634	No
71	GOM_TRA_1PNPDE20110410_060945_000000573101_00207_47635_4212.N1	10-APR-2011 06:09:45	Dark	57.000	103	38Zet Sgr	2.6000	9700.0	114	47635	No
72	GOM_TRA_1PNPDE20110410_061323_000000603101_00207_47635_4213.N1	10-APR-2011 06:13:23	Dark	59.500	38	20Eps Sgr	1.8360	11000.	119	47635	No
73	GOM_TRA_1PNPDE20110410_061731_000000433101_00207_47635_4214.N1	10-APR-2011 06:17:31	Dark	43.000	25	35Lam Sco	1.6200	28000.	86	47635	No
74	GOM_TRA_1PNPDE20110410_062419_000000453101_00207_47635_4215.N1	10-APR-2011 06:24:19	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	47635	No
75	GOM_TRA_1PNPDE20110410_062555_000000443101_00207_47635_4216.N1	10-APR-2011 06:25:55	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	47635	No
76	GOM_TRA_1PNPDE20110410_062824_000000503101_00207_47635_4217.N1	10-APR-2011 06:28:24	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47635	No
77	GOM_TRA_1PNPDE20110410_063319_000000473101_00207_47635_4218.N1	10-APR-2011 06:33:19	Tw_i_and_stray	47.000	169	46Gam Hya	2.9910	4700.0	94	47635	No
78	GOM_TRA_1PNPDE20110410_063707_000000513101_00207_47635_4219.N1	10-APR-2011 06:37:07	Bright	51.000	15	67Alp Vir	0.97600	28000.	102	47635	No
79	GOM_TRA_1PNPDE20110410_064012_000000403101_00207_47635_4220.N1	10-APR-2011 06:40:12	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	47635	No
80	GOM_TRA_1PNPDE20110410_064411_000000423101_00207_47635_4221.N1	10-APR-2011 06:44:11	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	47635	No
81	GOM_TRA_1PNPDE20110410_065226_000000393101_00207_47635_4222.N1	10-APR-2011 06:52:26	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	47635	No
82	GOM_TRA_1PNPDE20110410_065720_000000413101_00207_47635_4223.N1	10-APR-2011 06:57:20	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	47635	No
83	GOM_TRA_1PNPDE20110410_070345_000000413101_00207_47635_4224.N1	10-APR-2011 07:03:45	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47635	No
84	GOM_TRA_1PNPDE20110410_070540_000000483101_00207_47635_4225.N1	10-APR-2011 07:05:40	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47635	No
85	GOM_TRA_1PNPDK20110410_071339_000000403101_00207_47635_2202.N1	10-APR-2011 07:13:39	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47635	No
86	GOM_TRA_1PNPDK20110410_071852_000000473101_00207_47635_2203.N1	10-APR-2011 07:18:52	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	47635	No
87	GOM_TRA_1PNPDK20110410_072035_000000503101_00207_47635_2204.N1	10-APR-2011 07:20:35	Bright	49.500	66	37Gam Cyg	2.2080	5900.0	99	47635	No
88	GOM_TRA_1PNPDK20110410_072255_000000483101_00207_47635_2205.N1	10-APR-2011 07:22:55	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	47635	No
89	GOM_TRA_1PNPDK20110410_072957_000000493101_00207_47635_2206.N1	10-APR-2011 07:29:57	Tw_i_and_stray	48.500	61	8Eps Peg	2.1000	3900.0	97	47635	No
90	GOM_TRA_1PNPDK20110410_073449_000000443101_00207_47635_2207.N1	10-APR-2011 07:34:49	Dark	44.000	154	22Bet Aqr	2.8990	5700.0	88	47635	No
91	GOM_TRA_1PNPDK20110410_075001_000000593101_00208_47636_2208.N1	10-APR-2011 07:50:01	Dark	59.000	103	38Zet Sgr	2.6000	9700.0	118	47636	No
92	GOM_TRA_1PNPDK20110410_075339_000000613101_00208_47636_2209.N1	10-APR-2011 07:53:39	Dark	60.500	38	20Eps Sgr	1.8360	11000.	121	47636	No
93	GOM_TRA_1PNPDK20110410_075746_000000423101_00208_47636_2210.N1	10-APR-2011 07:57:46	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	47636	No
94	GOM_TRA_1PNPDK20110410_080434_000000443101_00208_47636_2211.N1	10-APR-2011 08:04:34	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	47636	No
95	GOM_TRA_1PNPDK20110410_080610_000000463101_00208_47636_2212.N1	10-APR-2011 08:06:10	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	47636	No
96	GOM_TRA_1PNPDK20110410_080838_000000523101_00208_47636_2213.N1	10-APR-2011 08:08:38	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	47636	No
97	GOM_TRA_1PNPDK20110410_081333_000000463101_00208_47636_2214.N1	10-APR-2011 08:13:33	Tw_i_and_stray	45.500	169	46Gam Hya	2.9910	4700.0	91	47636	No
98	GOM_TRA_1PNPDK20110410_081721_000000533101_00208_47636_2249.N1	10-APR-2011 08:17:21	Bright	53.000	15	67Alp Vir	0.97600	28000.	106	47636	Yes
99	GOM_TRA_1PNPDK20110410_082026_000000393101_00208_47636_2250.N1	10-APR-2011 08:20:26	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	47636	No
100	GOM_TRA_1PNPDK20110410_082425_000000413101_00208_47636_2251.N1	10-APR-2011 08:24:25	Bright	41.000	138	47Eps Vir	2.8280	4700.0	82	47636	No
101	GOM_TRA_1PNPDK20110410_083240_000000403101_00208_47636_2252.N1	10-APR-2011 08:32:40	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	47636	No
102	GOM_TRA_1PNPDK20110410_083734_000000393101_00208_47636_2253.N1	10-APR-2011 08:37:34	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	47636	No
103	GOM_TRA_1PNPDK20110410_084359_000000383101_00208_47636_2254.N1	10-APR-2011 08:43:59	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	47636	No
104	GOM_TRA_1PNPDK20110410_084553_000000483101_00208_47636_2255.N1	10-APR-2011 08:45:53	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	47636	No
105	GOM_TRA_1PNPDK20110410_085352_000000493101_00208_47636_2256.N1	10-APR-2011 08:53:52	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	47636	No
106	GOM_TRA_1PNPDK20110410_085906_000000453101_00208_47636_2257.N1	10-APR-2011 08:59:06	Bright	45.000	19	50Alp Cyg	1.2460	10500.	90	47636	No
107	GOM_TRA_1PNPDK20110410_090049_000000523101_00208_47636_2258.N1	10-APR-2011 09:00:49	Bright	52.000	66	37Gam Cyg	2.2080	5900.0	104	47636	No
108	GOM_TRA_1PNPDK20110410_090309_000000493101_00208_47636_2259.N1	10-APR-2011 09:03:09	Bright	49.000	92	53Eps Cyg	2.5000	4500.0	98	47636	No
109	GOM_TRA_1PNPDK20110410_091012_000000503101_00208_47636_2260.N1	10-APR-2011 09:10:12	Tw_i_and_stray	49.500	61	8Eps Peg	2.1000	3900.0	99	47636	No
110	GOM_TRA_1PNPDK20110410_091504_000000433101_00208_47636_2261.N1	10-APR-2011 09:15:04	Dark	42.500	154	22Bet Aqr	2.8990	5700.0	85	47636	No
111	GOM_TRA_1PNPDK20110410_093016_000000613101_00209_47637_2262.N1	10-APR-2011 09:30:16	Dark	60.500	103	38Zet Sgr	2.6000	9700.0	121	47637	No
112	GOM_TRA_1PNPDK20110410_093354_000000603101_00209_47637_2263.N1	10-APR-2011 09:33:54	Dark	59.500	38	20Eps Sgr	1.8360	11000.	119	47637	No
113	GOM_TRA_1PNPDK20110410_093801_000000423101_00209_47637_2264.N1	10-APR-2011 09:38:01	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	47637	No
114	GOM_TRA_1PNPDK20110410_094448_000000433101_00209_47637_2265.N1	10-APR-2011 09:44:48	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	47637	No
115	GOM_TRA_1PNPDK20110410_094624_000000453101_00209_47637_2266.N1	10-APR-2011 09:46:24	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	47637	No
116	GOM_TRA_1PNPDK20110410_094852_000000513101_00209_47637_2267.N1	10-APR-2011 09:48:52	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	47637	No
117	GOM_TRA_1PNPDK20110410_095347_000000473101_00209_47637_2268.N1	10-APR-2011 09:53:47	Tw_i_and_stray	46.500	169	46Gam Hya	2.9910	4700.0	93	47637	No
118	GOM_TRA_1PNPDK20110410_095735_000000483101_00209_47637_2262.N1	10-APR-2011 09:57:35	Bright	48.000	15	67Alp Vir	0.97600	28000.	96	47637	Yes
119	GOM_TRA_1PNPDK20110410_100040_000000393101_00209_47637_2295.N1	10-APR-2011 10:00:40	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	47637	No
120	GOM_TRA_1PNPDK20110410_100439_000000423101_00209_47637_2296.N1	10-APR-2011 10:04:39	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	47637	No
121	GOM_TRA_1PNPDK20110410_101253_000000403101_00209_47637_2297.N1	10-APR-2011 10:12:53	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	47637	No
122	GOM_TRA_1PNPDK20110410_101748_000000413101_00209_47637_2298.N1	10-APR-2011 10:17:48	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	47637	No
123	GOM_TRA_1PNPDK20110410_102413_000000413101_00209_47637_2299.N1	10-APR-2011 10:24:13	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47637	No
124	GOM_TRA_1PNPDK20110410_102606_000000483101_00209_47637_2300.N1	10-APR-2011 10:26:06	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	47637	No
125	GOM_TRA_1PNPDK20110410_103406_000000393101_00209_47637_2301.N1	10-APR-2011 10:34:06	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47637	No
126	GOM_TRA_1PNPDK20110410_103919_000000463101_00209_47637_2302.N1	10-APR-2011 10:39:19	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	47637	No
127	GOM_TRA_1PNPDK20110410_104103_000000513101_00209_47637_2303.N1	10-APR-2011 10:41:03	Bright	51.000	66	37Gam Cyg	2.2080	5900.0	102	47637	No
128	GOM_TRA_1PNPDK20110410_104323_000000493101_00209_47637_2304.N1	10-APR-2011 10:43:23	Bright	48.500	92	53Eps Cyg	2.5000	4500.0	97	47637	No

129	GOM_TRA_1PNPDK20110410_105026_000000493101_00209_47637_2305.N1	10-APR-2011 10:50:26	Twilight	48.500	61	8Eps Peg	2.1000	3900.0	97	47637	No
130	GOM_TRA_1PNPDK20110410_105518_000000463101_00209_47637_2306.N1	10-APR-2011 10:55:18	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	47637	No
131	GOM_TRA_1PNPDK20110410_111032_000000593101_00210_47638_2307.N1	10-APR-2011 11:10:32	Dark	58.500	103	38Zet Sgr	2.6000	9700.0	117	47638	No
132	GOM_TRA_1PNPDK20110410_111410_000000603101_00210_47638_2308.N1	10-APR-2011 11:14:10	Dark	60.000	38	20Eps Sgr	1.8360	11000.	120	47638	No
133	GOM_TRA_1PNPDK20110410_111817_000000413101_00210_47638_2309.N1	10-APR-2011 11:18:17	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	47638	No
134	GOM_TRA_1PNPDK20110410_112503_000000423101_00210_47638_2310.N1	10-APR-2011 11:25:03	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	47638	No
135	GOM_TRA_1PNPDK20110410_112638_000000453101_00210_47638_2311.N1	10-APR-2011 11:26:38	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	47638	No
136	GOM_TRA_1PNPDK20110410_112907_000000503101_00210_47638_2312.N1	10-APR-2011 11:29:07	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	47638	No
137	GOM_TRA_1PNPDK20110410_113401_000000453101_00210_47638_2313.N1	10-APR-2011 11:34:01	Twilight	45.000	169	46Gam Hya	2.9910	4700.0	90	47638	No
138	GOM_TRA_1PNPDK20110410_113749_000000493101_00210_47638_2326.N1	10-APR-2011 11:37:49	Bright	49.000	15	67Alp Vir	0.97600	28000.	98	47638	No
139	GOM_TRA_1PNPDK20110410_114054_000000403101_00210_47638_2327.N1	10-APR-2011 11:40:54	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	47638	No
140	GOM_TRA_1PNPDK20110410_114452_000000423101_00210_47638_2328.N1	10-APR-2011 11:44:52	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	47638	No
141	GOM_TRA_1PNPDK20110410_115307_000000403101_00210_47638_2329.N1	10-APR-2011 11:53:07	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47638	No
142	GOM_TRA_1PNPDK20110410_115801_000000403101_00210_47638_2330.N1	10-APR-2011 11:58:01	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47638	No
143	GOM_TRA_1PNPDK20110410_120426_000000413101_00210_47638_2331.N1	10-APR-2011 12:04:26	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47638	No
144	GOM_TRA_1PNPDK20110410_121420_000000433101_00210_47638_2332.N1	10-APR-2011 12:14:20	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	47638	No
145	GOM_TRA_1PNPDK20110410_121933_000000473101_00210_47638_2333.N1	10-APR-2011 12:19:33	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	47638	No
146	GOM_TRA_1PNPDK20110410_122117_000000503101_00210_47638_2334.N1	10-APR-2011 12:21:17	Bright	50.000	66	37Gam Cyg	2.2080	5900.0	100	47638	No
147	GOM_TRA_1PNPDK20110410_122337_000000513101_00210_47638_2335.N1	10-APR-2011 12:23:37	Bright	50.500	92	53Eps Cyg	2.5000	4500.0	101	47638	No
148	GOM_TRA_1PNPDK20110410_123041_000000463101_00210_47638_2336.N1	10-APR-2011 12:30:41	Twilight	45.500	61	8Eps Peg	2.1000	3900.0	91	47638	No
149	GOM_TRA_1PNPDK20110410_123533_000000473101_00210_47638_2337.N1	10-APR-2011 12:35:33	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	47638	No
150	GOM_TRA_1PNPDK20110410_125047_000000593101_00211_47639_2338.N1	10-APR-2011 12:50:47	Dark	58.500	103	38Zet Sgr	2.6000	9700.0	117	47639	No
151	GOM_TRA_1PNPDK20110410_125425_000000603101_00211_47639_2339.N1	10-APR-2011 12:54:25	Dark	59.500	38	20Eps Sgr	1.8360	11000.	119	47639	No
152	GOM_TRA_1PNPDK20110410_125832_000000413101_00211_47639_2340.N1	10-APR-2011 12:58:32	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	47639	No
153	GOM_TRA_1PNPDK20110410_130517_000000423101_00211_47639_2341.N1	10-APR-2011 13:05:17	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	47639	No
154	GOM_TRA_1PNPDK20110410_130653_000000453101_00211_47639_2342.N1	10-APR-2011 13:06:53	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	47639	No
155	GOM_TRA_1PNPDK20110410_130921_000000543101_00211_47639_2343.N1	10-APR-2011 13:09:21	Straylight	54.000	54	5The Cen	2.0550	4500.0	108	47639	No
156	GOM_TRA_1PNPDK20110410_131415_000000483101_00211_47639_2344.N1	10-APR-2011 13:14:15	Twilight	47.500	169	46Gam Hya	2.9910	4700.0	95	47639	No
157	GOM_TRA_1PNPDK20110410_131803_000000493101_00211_47639_2399.N1	10-APR-2011 13:18:03	Bright	48.500	15	67Alp Vir	0.97600	28000.	97	47639	No
158	GOM_TRA_1PNPDK20110410_132108_000000403101_00211_47639_2400.N1	10-APR-2011 13:21:08	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	47639	No
159	GOM_TRA_1PNPDK20110410_132506_000000423101_00211_47639_2401.N1	10-APR-2011 13:25:06	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	47639	No
160	GOM_TRA_1PNPDK20110410_133321_000000423101_00211_47639_2402.N1	10-APR-2011 13:33:21	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	47639	No
161	GOM_TRA_1PNPDK20110410_133815_000000403101_00211_47639_2403.N1	10-APR-2011 13:38:15	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47639	No
162	GOM_TRA_1PNPDK20110410_134440_000000373101_00211_47639_2404.N1	10-APR-2011 13:44:40	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	47639	No
163	GOM_TRA_1PNPDK20110410_134633_000000443101_00211_47639_2405.N1	10-APR-2011 13:46:33	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	47639	No
164	GOM_TRA_1PNPDK20110410_135434_000000383101_00211_47639_2406.N1	10-APR-2011 13:54:34	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47639	No
165	GOM_TRA_1PNPDK20110410_135947_000000463101_00211_47639_2407.N1	10-APR-2011 13:59:47	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	47639	No
166	GOM_TRA_1PNPDK20110410_140131_000000523101_00211_47639_2408.N1	10-APR-2011 14:01:31	Bright	51.500	66	37Gam Cyg	2.2080	5900.0	103	47639	No
167	GOM_TRA_1PNPDK20110410_140351_000000493101_00211_47639_2409.N1	10-APR-2011 14:03:51	Bright	49.000	92	53Eps Cyg	2.5000	4500.0	98	47639	No
168	GOM_TRA_1PNPDK20110410_141055_000000493101_00211_47639_2410.N1	10-APR-2011 14:10:55	Twilight	49.000	61	8Eps Peg	2.1000	3900.0	98	47639	No
169	GOM_TRA_1PNPDK20110410_141547_000000463101_00211_47639_2411.N1	10-APR-2011 14:15:47	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	47639	No
170	GOM_TRA_1PNPDK20110410_143103_000000593101_00212_47640_2412.N1	10-APR-2011 14:31:03	Dark	58.500	103	38Zet Sgr	2.6000	9700.0	117	47640	No
171	GOM_TRA_1PNPDK20110410_143441_000000573101_00212_47640_2413.N1	10-APR-2011 14:34:41	Dark	57.000	38	20Eps Sgr	1.8360	11000.	114	47640	No
172	GOM_TRA_1PNPDK20110410_143847_000000413101_00212_47640_2414.N1	10-APR-2011 14:38:47	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	47640	No
173	GOM_TRA_1PNPDK20110410_144532_000000443101_00212_47640_2415.N1	10-APR-2011 14:45:32	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	47640	No
174	GOM_TRA_1PNPDK20110410_144707_000000493101_00212_47640_2416.N1	10-APR-2011 14:47:07	Straylight	48.500	81	Eta Cen	2.3560	28000.	97	47640	No
175	GOM_TRA_1PNPDK20110410_144936_000000513101_00212_47640_2417.N1	10-APR-2011 14:49:36	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	47640	No
176	GOM_TRA_1PNPDK20110410_145430_000000463101_00212_47640_2427.N1	10-APR-2011 14:54:30	Twilight	46.000	169	46Gam Hya	2.9910	4700.0	92	47640	No
177	GOM_TRA_1PNPDK20110410_145817_000000503101_00212_47640_2428.N1	10-APR-2011 14:58:17	Bright	49.500	15	67Alp Vir	0.97600	28000.	99	47640	No
178	GOM_TRA_1PNPDK20110410_150122_000000383101_00212_47640_2429.N1	10-APR-2011 15:01:22	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	47640	No
179	GOM_TRA_1PNPDK20110410_150520_000000423101_00212_47640_2430.N1	10-APR-2011 15:05:20	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	47640	No
180	GOM_TRA_1PNPDK20110410_151334_000000393101_00212_47640_2431.N1	10-APR-2011 15:13:34	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	47640	No
181	GOM_TRA_1PNPDK20110410_151829_000000403101_00212_47640_2432.N1	10-APR-2011 15:18:29	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47640	No
182	GOM_TRA_1PNPDK20110410_152454_000000373101_00212_47640_2433.N1	10-APR-2011 15:24:54	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	47640	No
183	GOM_TRA_1PNPDK20110410_152646_000000463101_00212_47640_2434.N1	10-APR-2011 15:26:46	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	47640	No
184	GOM_TRA_1PNPDK20110410_153448_000000473101_00212_47640_2435.N1	10-APR-2011 15:34:48	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	47640	No
185	GOM_TRA_1PNPDK20110410_154001_000000473101_00212_47640_2436.N1	10-APR-2011 15:40:01	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	47640	No
186	GOM_TRA_1PNPDK20110410_154145_000000503101_00212_47640_2437.N1	10-APR-2011 15:41:45	Bright	50.000	66	37Gam Cyg	2.2080	5900.0	100	47640	No
187	GOM_TRA_1PNPDK20110410_154405_000000683101_00212_47640_2438.N1	10-APR-2011 15:44:05	Bright	68.000	92	53Eps Cyg	2.5000	4500.0	136	47640	No

188	GOM_TRA_1PNPDK20110410_155109_000000513101_00212_47640_2439.N1	10-APR-2011 15:51:09	Twilight	51.000	61	8Eps Peg	2.1000	3900.0	102	47640	No
189	GOM_TRA_1PNPDK20110410_155602_000000483101_00212_47640_2440.N1	10-APR-2011 15:56:02	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	47640	No
190	GOM_TRA_1PNPDK20110410_161118_000000593101_00213_47641_2441.N1	10-APR-2011 16:11:18	Dark	59.000	103	38Zet Sgr	2.6000	9700.0	118	47641	No
191	GOM_TRA_1PNPDK20110410_161456_000000573101_00213_47641_2442.N1	10-APR-2011 16:14:56	Dark	57.000	38	20Eps Sgr	1.8360	11000.	114	47641	No
192	GOM_TRA_1PNPDK20110410_161903_000000413101_00213_47641_2443.N1	10-APR-2011 16:19:03	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	47641	No
193	GOM_TRA_1PNPDK20110410_162546_000000463101_00213_47641_2444.N1	10-APR-2011 16:25:46	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	47641	No
194	GOM_TRA_1PNPDK20110410_162722_000000473101_00213_47641_2445.N1	10-APR-2011 16:27:22	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47641	No
195	GOM_TRA_1PNPDK20110410_162950_000000503101_00213_47641_2446.N1	10-APR-2011 16:29:50	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47641	No
196	GOM_TRA_1PNPDK20110410_163444_000000473101_00213_47641_2460.N1	10-APR-2011 16:34:44	Twilight	47.000	169	46Gam Hya	2.9910	4700.0	94	47641	No
197	GOM_TRA_1PNPDK20110410_163831_000000493101_00213_47641_2461.N1	10-APR-2011 16:38:31	Bright	48.500	15	67Alp Vir	0.97600	28000.	97	47641	No
198	GOM_TRA_1PNPDK20110410_164136_000000383101_00213_47641_2462.N1	10-APR-2011 16:41:36	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	47641	No
199	GOM_TRA_1PNPDK20110410_164534_000000423101_00213_47641_2463.N1	10-APR-2011 16:45:34	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	47641	No
200	GOM_TRA_1PNPDK20110410_165348_000000403101_00213_47641_2464.N1	10-APR-2011 16:53:48	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47641	No
201	GOM_TRA_1PNPDK20110410_165842_000000403101_00213_47641_2465.N1	10-APR-2011 16:58:42	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47641	No
202	GOM_TRA_1PNPDK20110410_170507_000000403101_00213_47641_2466.N1	10-APR-2011 17:05:07	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47641	No
203	GOM_TRA_1PNPDK20110410_170659_000000483101_00213_47641_2467.N1	10-APR-2011 17:06:59	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47641	No
204	GOM_TRA_1PNPDK20110410_171502_000000403101_00213_47641_2468.N1	10-APR-2011 17:15:02	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	47641	No
205	GOM_TRA_1PNPDK20110410_172015_000000473101_00213_47641_2469.N1	10-APR-2011 17:20:15	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	47641	No
206	GOM_TRA_1PNPDK20110410_172158_000000513101_00213_47641_2470.N1	10-APR-2011 17:21:58	Bright	50.500	66	37Gam Cyg	2.2080	5900.0	101	47641	No
207	GOM_TRA_1PNPDK20110410_172419_000000503101_00213_47641_2471.N1	10-APR-2011 17:24:19	Bright	50.000	92	53Eps Cyg	2.5000	4500.0	100	47641	No
208	GOM_TRA_1PNPDK20110410_173124_000000523101_00213_47641_2472.N1	10-APR-2011 17:31:24	Twilight	51.500	61	8Eps Peg	2.1000	3900.0	103	47641	No
209	GOM_TRA_1PNPDK20110410_173616_000000493101_00213_47641_2473.N1	10-APR-2011 17:36:16	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	47641	No
210	GOM_TRA_1PNPDK20110410_175134_000000593101_00214_47642_2474.N1	10-APR-2011 17:51:34	Dark	59.000	103	38Zet Sgr	2.6000	9700.0	118	47642	No
211	GOM_TRA_1PNPDK20110410_175512_000000553101_00214_47642_2475.N1	10-APR-2011 17:55:12	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	47642	No
212	GOM_TRA_1PNPDK20110410_175918_000000403101_00214_47642_2476.N1	10-APR-2011 17:59:18	Dark	40.000	25	35Lam Sco	1.6200	28000.	80	47642	No
213	GOM_TRA_1PNPDK20110410_180601_000000413101_00214_47642_2477.N1	10-APR-2011 18:06:01	Straylight	41.000	78	Alp Lup	2.3040	28000.	82	47642	No
214	GOM_TRA_1PNPDK20110410_180737_000000483101_00214_47642_2506.N1	10-APR-2011 18:07:37	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	47642	Yes
215	GOM_TRA_1PNPDK20110410_181004_000000493101_00214_47642_2507.N1	10-APR-2011 18:10:04	Straylight	48.500	54	5The Cen	2.0550	4500.0	97	47642	No
216	GOM_TRA_1PNPDK20110410_181458_000000443101_00214_47642_2508.N1	10-APR-2011 18:14:58	Twilight	44.000	169	46Gam Hya	2.9910	4700.0	88	47642	No
217	GOM_TRA_1PNPDK20110410_181845_000000513101_00214_47642_2509.N1	10-APR-2011 18:18:45	Bright	51.000	15	67Alp Vir	0.97600	28000.	102	47642	No
218	GOM_TRA_1PNPDK20110410_182150_000000393101_00214_47642_2510.N1	10-APR-2011 18:21:50	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	47642	No
219	GOM_TRA_1PNPDK20110410_182548_000000423101_00214_47642_2511.N1	10-APR-2011 18:25:48	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	47642	No
220	GOM_TRA_1PNPDK20110410_183401_000000413101_00214_47642_2512.N1	10-APR-2011 18:34:01	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	47642	No
221	GOM_TRA_1PNPDK20110410_183856_000000383101_00214_47642_2513.N1	10-APR-2011 18:38:56	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	47642	No
222	GOM_TRA_1PNPDK20110410_184521_000000413101_00214_47642_2514.N1	10-APR-2011 18:45:21	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47642	No
223	GOM_TRA_1PNPDK20110410_184713_000000483101_00214_47642_2515.N1	10-APR-2011 18:47:13	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47642	No
224	GOM_TRA_1PNPDK20110410_185516_000000403101_00214_47642_2516.N1	10-APR-2011 18:55:16	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47642	No
225	GOM_TRA_1PNPDK20110410_190029_000000473101_00214_47642_2517.N1	10-APR-2011 19:00:29	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	47642	No
226	GOM_TRA_1PNPDK20110410_190212_000000523101_00214_47642_2518.N1	10-APR-2011 19:02:12	Bright	51.500	66	37Gam Cyg	2.2080	5900.0	103	47642	No
227	GOM_TRA_1PNPDK20110410_190434_000000493101_00214_47642_2519.N1	10-APR-2011 19:04:34	Bright	49.000	92	53Eps Cyg	2.5000	4500.0	98	47642	No
228	GOM_TRA_1PNPDK20110410_191138_000000493101_00214_47642_2520.N1	10-APR-2011 19:11:38	Twilight	48.500	61	8Eps Peg	2.1000	3900.0	97	47642	No
229	GOM_TRA_1PNPDK20110410_191631_000000463101_00214_47642_2521.N1	10-APR-2011 19:16:31	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	47642	No
230	GOM_TRA_1PNPDK20110410_193149_000000583101_00215_47643_2522.N1	10-APR-2011 19:31:49	Dark	57.500	103	38Zet Sgr	2.6000	9700.0	115	47643	No
231	GOM_TRA_1PNPDK20110410_193527_000000553101_00215_47643_2523.N1	10-APR-2011 19:35:27	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	47643	No
232	GOM_TRA_1PNPDK20110410_193934_000000403101_00215_47643_2524.N1	10-APR-2011 19:39:34	Dark	40.000	25	35Lam Sco	1.6200	28000.	80	47643	No
233	GOM_TRA_1PNPDE20110410_194615_000000433101_00215_47643_4324.N1	10-APR-2011 19:46:15	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	47643	Yes
234	GOM_TRA_1PNPDE20110410_194751_000000463101_00215_47643_4325.N1	10-APR-2011 19:47:51	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	47643	No
235	GOM_TRA_1PNPDE20110410_195019_000000513101_00215_47643_4326.N1	10-APR-2011 19:50:19	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	47643	No
236	GOM_TRA_1PNPDE20110410_195512_000000473101_00215_47643_4327.N1	10-APR-2011 19:55:12	Twilight	47.000	169	46Gam Hya	2.9910	4700.0	94	47643	No
237	GOM_TRA_1PNPDE20110410_195859_000000493101_00215_47643_4328.N1	10-APR-2011 19:58:59	Bright	49.000	15	67Alp Vir	0.97600	28000.	98	47643	No
238	GOM_TRA_1PNPDE20110410_200204_000000393101_00215_47643_4329.N1	10-APR-2011 20:02:04	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	47643	No
239	GOM_TRA_1PNPDE20110410_200601_000000413101_00215_47643_4330.N1	10-APR-2011 20:06:01	Bright	41.000	138	47Eps Vir	2.8280	4700.0	82	47643	No
240	GOM_TRA_1PNPDE20110410_201415_000000403101_00215_47643_4331.N1	10-APR-2011 20:14:15	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	47643	No
241	GOM_TRA_1PNPDE20110410_201910_000000383101_00215_47643_4332.N1	10-APR-2011 20:19:10	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	47643	No
242	GOM_TRA_1PNPDE20110410_202535_000000403101_00215_47643_4333.N1	10-APR-2011 20:25:35	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	47643	No
243	GOM_TRA_1PNPDE20110410_202726_000000493101_00215_47643_4334.N1	10-APR-2011 20:27:26	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	47643	No
244	GOM_TRA_1PNPDE20110410_203529_000000533101_00215_47643_4335.N1	10-APR-2011 20:35:29	Bright	52.500	89	5Alp Cep	2.4510	8000.0	105	47643	No
245	GOM_TRA_1PNPDE20110410_204043_000000463101_00215_47643_4336.N1	10-APR-2011 20:40:43	Bright	45.500	19	50Alp Cyg	1.2460	10500.	91	47643	No
246	GOM_TRA_1PNPDE20110410_204226_000000493101_00215_47643_4337.N1	10-APR-2011 20:42:26	Bright	49.000	66	37Gam Cyg	2.2080	5900.0	98	47643	No

247	GOM_TRA_1PNPDE20110410_204448_000000503101_00215_47643_4338.N1	10-APR-2011 20:44:48	Bright	50.000	92	53Eps Cyg	2.5000	4500.0	100	47643	No
248	GOM_TRA_1PNPDE20110410_205152_000000483101_00215_47643_4339.N1	10-APR-2011 20:51:52	Twilight_stray	48.000	61	8Eps Peg	2.1000	3900.0	96	47643	No
249	GOM_TRA_1PNPDE20110410_205646_000000483101_00215_47643_4350.N1	10-APR-2011 20:56:46	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	47643	No
250	GOM_TRA_1PNPDE20110410_211205_000000573101_00216_47644_4351.N1	10-APR-2011 21:12:05	Dark	57.000	103	38Zet Sgr	2.6000	9700.0	114	47644	No
251	GOM_TRA_1PNPDE20110410_225558_000000613101_00217_47645_4375.N1	10-APR-2011 22:55:58	Dark	60.500	38	20Eps Sgr	1.8360	11000.	121	47645	No
252	GOM_TRA_1PNPDE20110410_230004_000000603101_00217_47645_4376.N1	10-APR-2011 23:00:04	Dark	59.500	25	35Lam Sco	1.6200	28000.	119	47645	No
253	GOM_TRA_1PNPDE20110410_230408_000000493101_00217_47645_4377.N1	10-APR-2011 23:04:08	Straylight	49.000	75	26Eps Sco	2.2910	4250.0	98	47645	No
254	GOM_TRA_1PNPDE20110410_230644_000000433101_00217_47645_4378.N1	10-APR-2011 23:06:44	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	47645	No
255	GOM_TRA_1PNPDE20110410_230820_000000433101_00217_47645_4379.N1	10-APR-2011 23:08:20	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	47645	No
256	GOM_TRA_1PNPDE20110410_231047_000000513101_00217_47645_4380.N1	10-APR-2011 23:10:47	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	47645	No
257	GOM_TRA_1PNPDE20110410_231541_000000453101_00217_47645_4381.N1	10-APR-2011 23:15:41	Twilight_stray	45.000	169	46Gam Hya	2.9910	4700.0	90	47645	No
258	GOM_TRA_1PNPDE20110410_231927_000000503101_00217_47645_4382.N1	10-APR-2011 23:19:27	Bright	49.500	15	67Alp Vir	0.97600	28000.	99	47645	No
259	GOM_TRA_1PNPDE20110410_232231_000000413101_00217_47645_4383.N1	10-APR-2011 23:22:31	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47645	No
260	GOM_TRA_1PNPDE20110410_232629_000000413101_00217_47645_4384.N1	10-APR-2011 23:26:29	Bright	41.000	138	47Eps Vir	2.8280	4700.0	82	47645	No
261	GOM_TRA_1PNPDE20110410_233016_000000513101_00217_47645_4385.N1	10-APR-2011 23:30:16	Bright	51.000	111	8Eta Boo	2.6800	6000.0	102	47645	No
262	GOM_TRA_1PNPDE20110410_233442_000000403101_00217_47645_4386.N1	10-APR-2011 23:34:42	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	47645	No
263	GOM_TRA_1PNPDE20110410_233937_000000403101_00217_47645_4387.N1	10-APR-2011 23:39:37	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47645	No
264	GOM_TRA_1PNPDE20110410_234602_000000413101_00217_47645_4388.N1	10-APR-2011 23:46:02	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47645	No
265	GOM_TRA_1PNPDE20110410_234752_000000463101_00217_47645_4389.N1	10-APR-2011 23:47:52	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	47645	No
266	GOM_TRA_1PNPDE20110410_235557_000000403101_00217_47645_4390.N1	10-APR-2011 23:55:57	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47645	No

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



4. Overview of dark signal processing per product

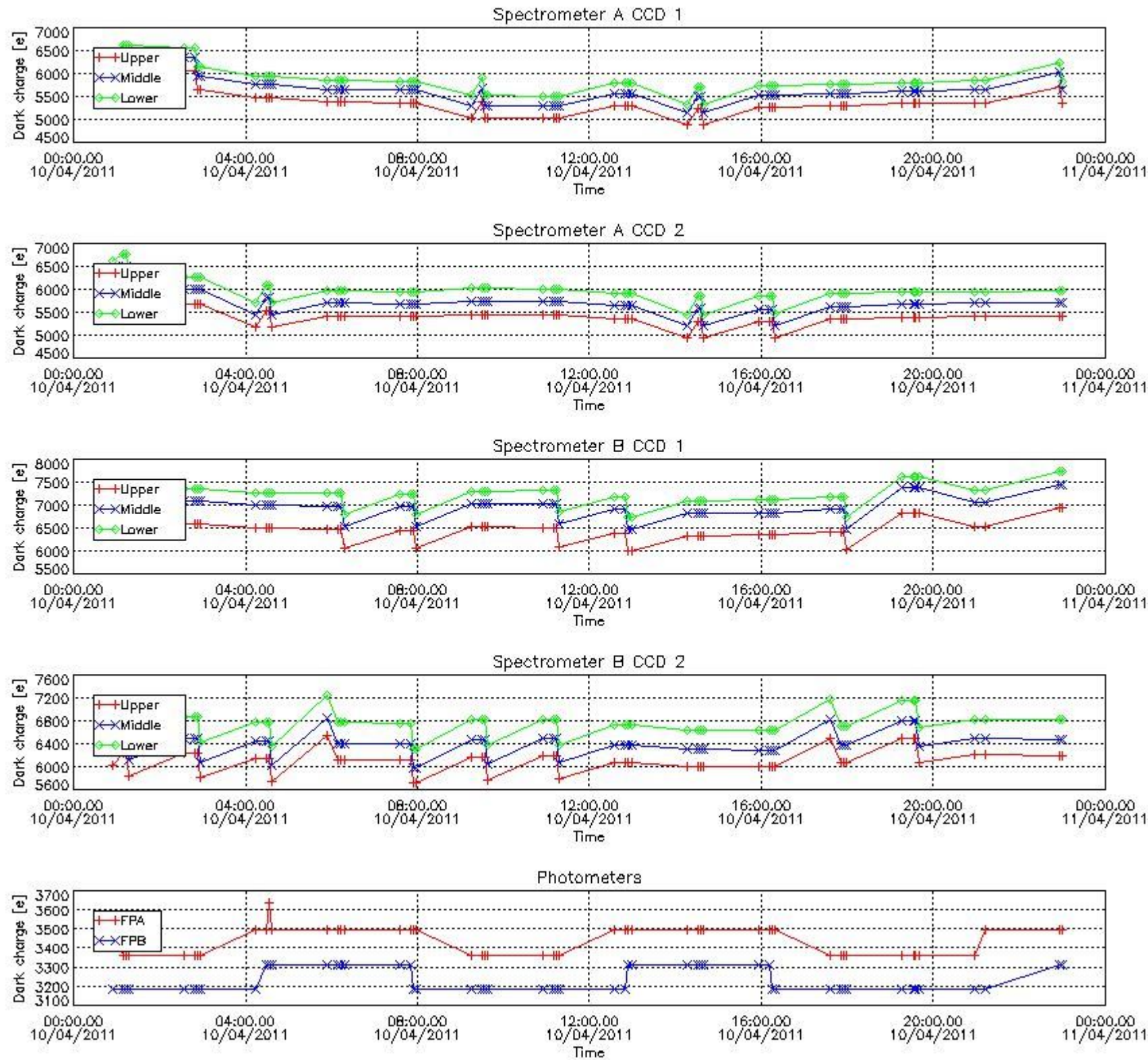
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDK20110410_095735_000000483101_00209_47637_2262.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110410_194615_000000433101_00215_47643_4324.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110410_194751_000000463101_00215_47643_4325.N1	DC map used
GOM_TRA_1PNPDE20110410_195019_000000513101_00215_47643_4326.N1	DC map used
GOM_TRA_1PNPDE20110410_195512_000000473101_00215_47643_4327.N1	DC map used
GOM_TRA_1PNPDE20110410_195859_000000493101_00215_47643_4328.N1	DC map used
GOM_TRA_1PNPDE20110410_200204_000000393101_00215_47643_4329.N1	DC map used
GOM_TRA_1PNPDE20110410_200601_000000413101_00215_47643_4330.N1	DC map used
GOM_TRA_1PNPDE20110410_201415_000000403101_00215_47643_4331.N1	DC map used
GOM_TRA_1PNPDE20110410_201910_000000383101_00215_47643_4332.N1	DC map used
GOM_TRA_1PNPDE20110410_202535_000000403101_00215_47643_4333.N1	DC map used
GOM_TRA_1PNPDE20110410_202726_000000493101_00215_47643_4334.N1	DC map used
GOM_TRA_1PNPDE20110410_203529_000000533101_00215_47643_4335.N1	DC map used
GOM_TRA_1PNPDE20110410_204043_000000463101_00215_47643_4336.N1	DC map used
GOM_TRA_1PNPDE20110410_204226_000000493101_00215_47643_4337.N1	DC map used
GOM_TRA_1PNPDE20110410_204448_000000503101_00215_47643_4338.N1	DC map used
GOM_TRA_1PNPDE20110410_205152_000000483101_00215_47643_4339.N1	DC map used
GOM_TRA_1PNPDE20110410_225558_000000613101_00217_47645_4375.N1	DC map used
GOM_TRA_1PNPDE20110410_230004_000000603101_00217_47645_4376.N1	DC map used
GOM_TRA_1PNPDE20110410_230408_000000493101_00217_47645_4377.N1	DC map used
GOM_TRA_1PNPDE20110410_230644_000000433101_00217_47645_4378.N1	DC map used
GOM_TRA_1PNPDE20110410_230820_000000433101_00217_47645_4379.N1	DC map used
GOM_TRA_1PNPDE20110410_231047_000000513101_00217_47645_4380.N1	DC map used
GOM_TRA_1PNPDE20110410_231541_000000453101_00217_47645_4381.N1	DC map used
GOM_TRA_1PNPDE20110410_231927_000000503101_00217_47645_4382.N1	DC map used
GOM_TRA_1PNPDE20110410_232231_000000413101_00217_47645_4383.N1	DC map used
GOM_TRA_1PNPDE20110410_232629_000000413101_00217_47645_4384.N1	DC map used
GOM_TRA_1PNPDE20110410_233016_000000513101_00217_47645_4385.N1	DC map used
GOM_TRA_1PNPDE20110410_233442_000000403101_00217_47645_4386.N1	DC map used
GOM_TRA_1PNPDE20110410_233937_000000403101_00217_47645_4387.N1	DC map used
GOM_TRA_1PNPDE20110410_234602_000000413101_00217_47645_4388.N1	DC map used
GOM_TRA_1PNPDE20110410_234752_000000463101_00217_47645_4389.N1	DC map used
GOM_TRA_1PNPDE20110410_235557_000000403101_00217_47645_4390.N1	DC map used

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



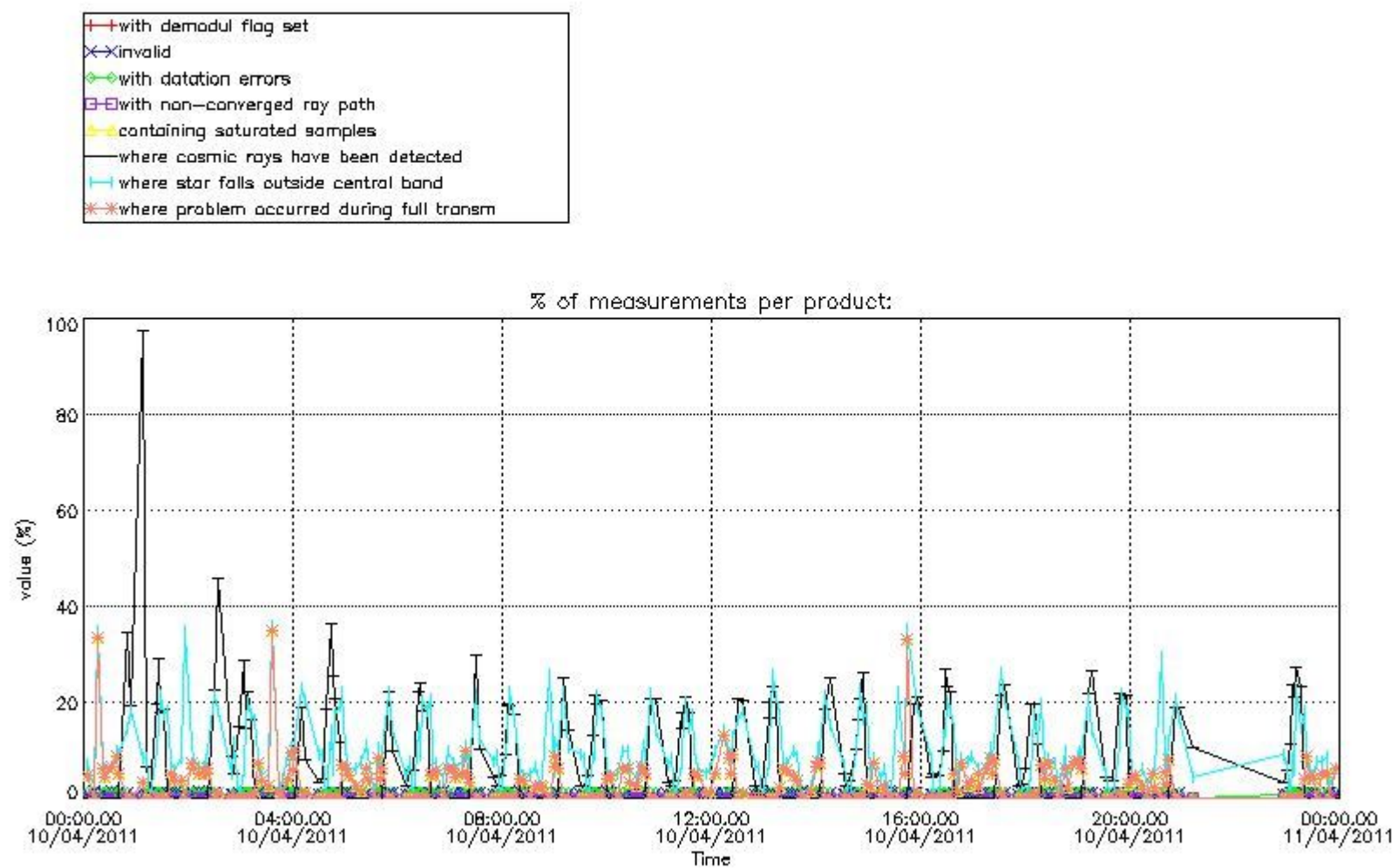
5. Demodulation flag and quality information monitoring

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.

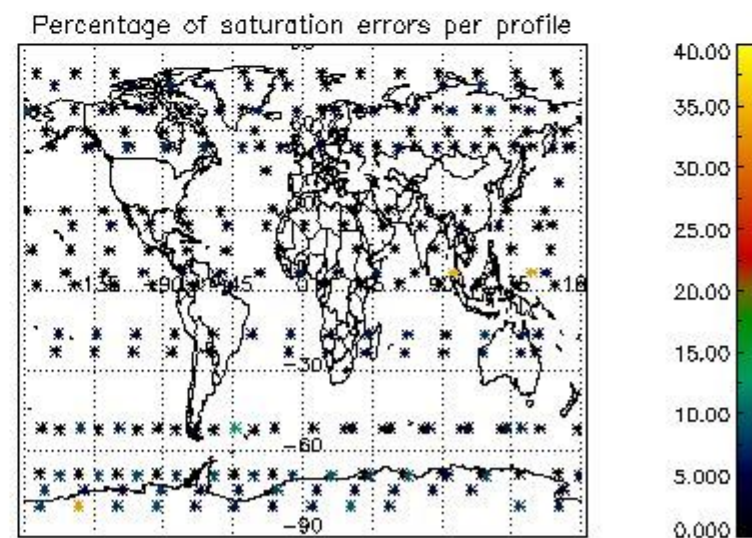
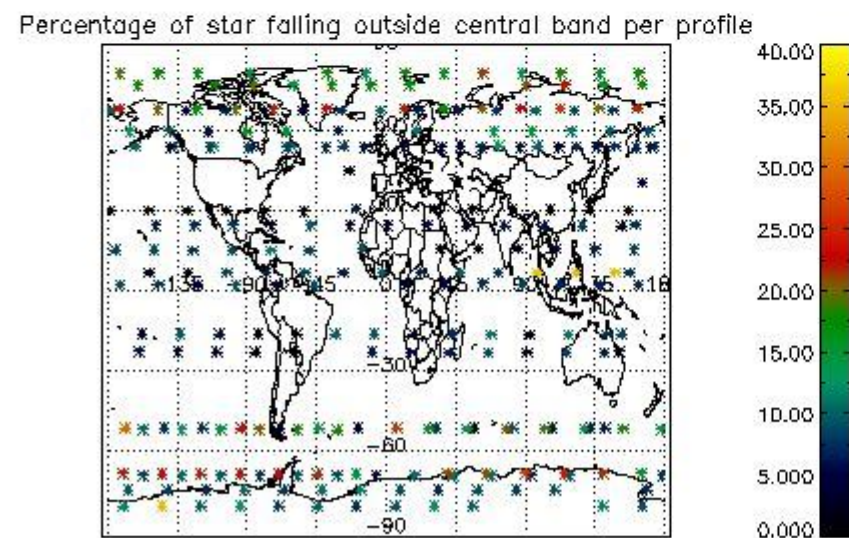
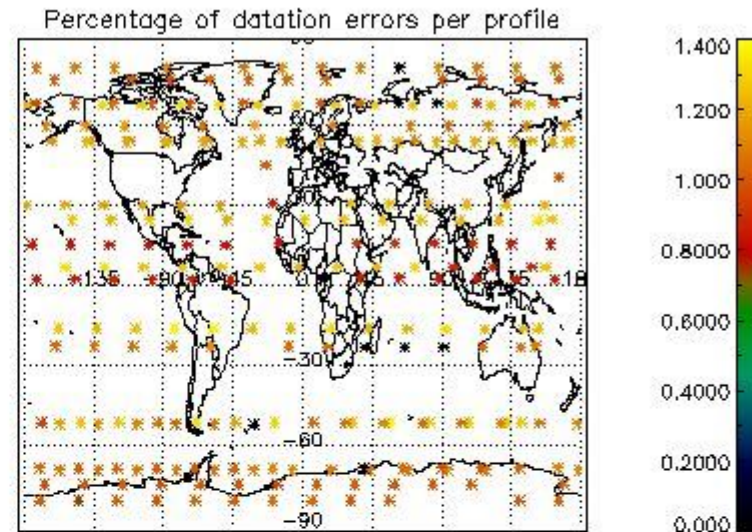
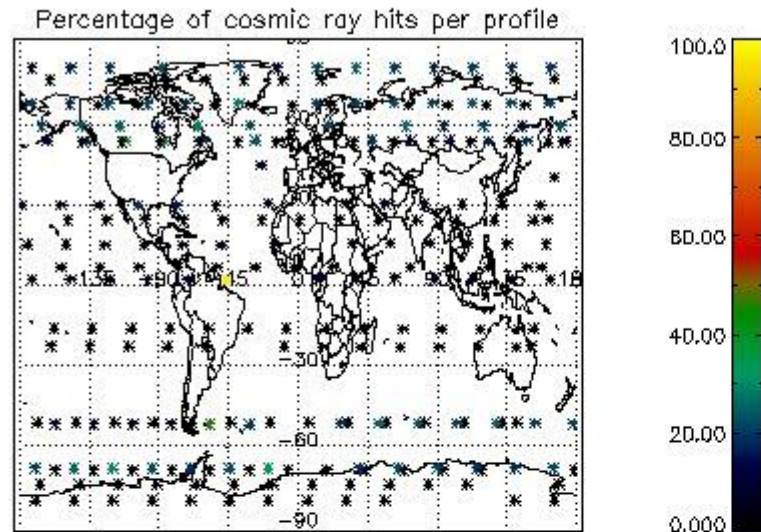
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	44.2748 %
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)



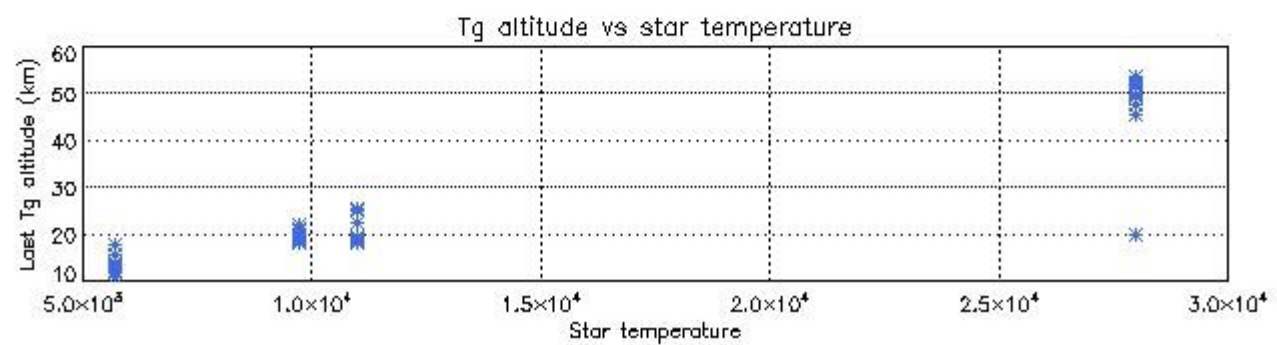
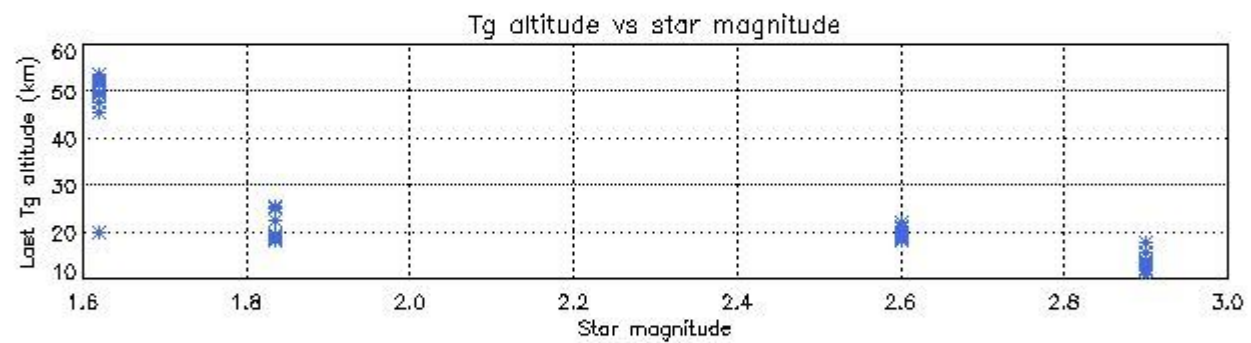
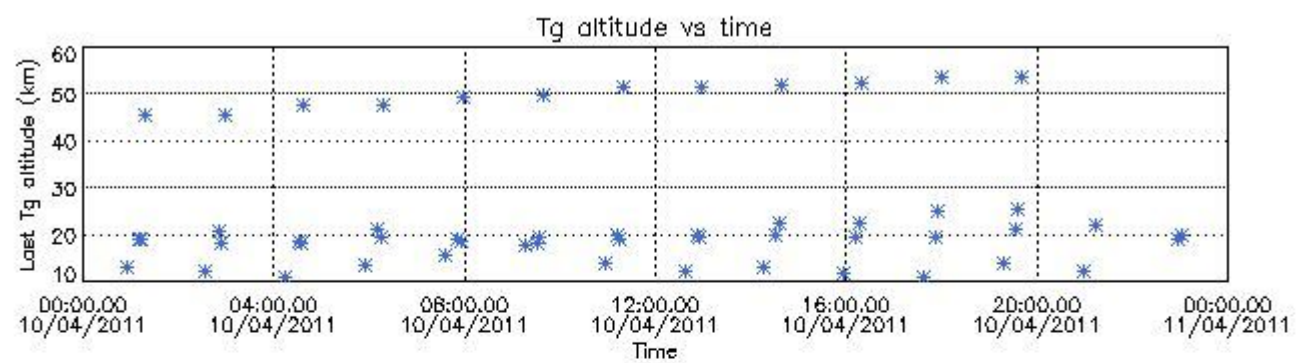
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	25.247	19.153	NaN
St. deviation:	14.164	4.4178	NaN
Maximum:	53.790	27.913	NaN
Minimum:	10.732	3.4512	NaN
Number of data:	52.000	146.00	NaN

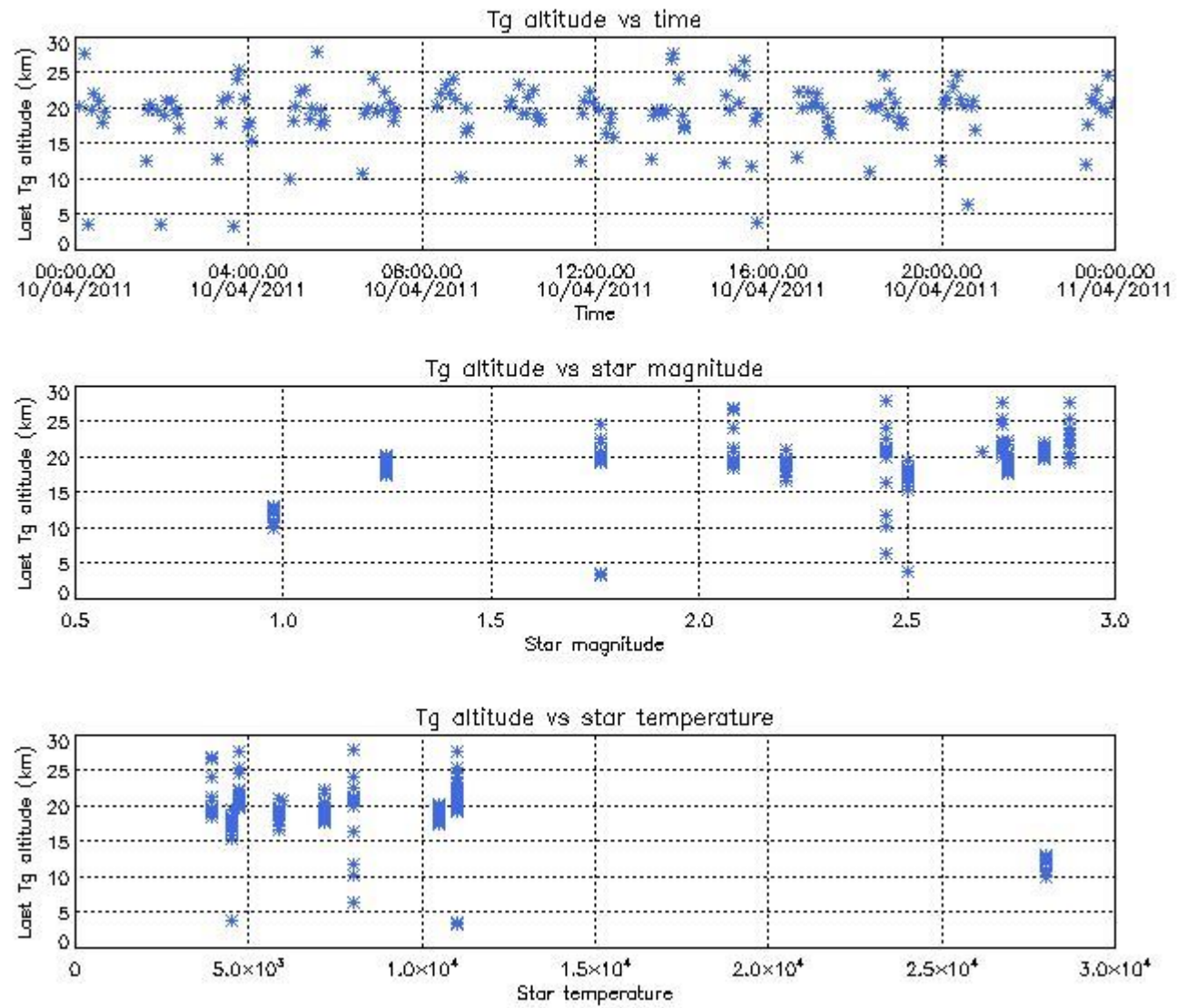
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

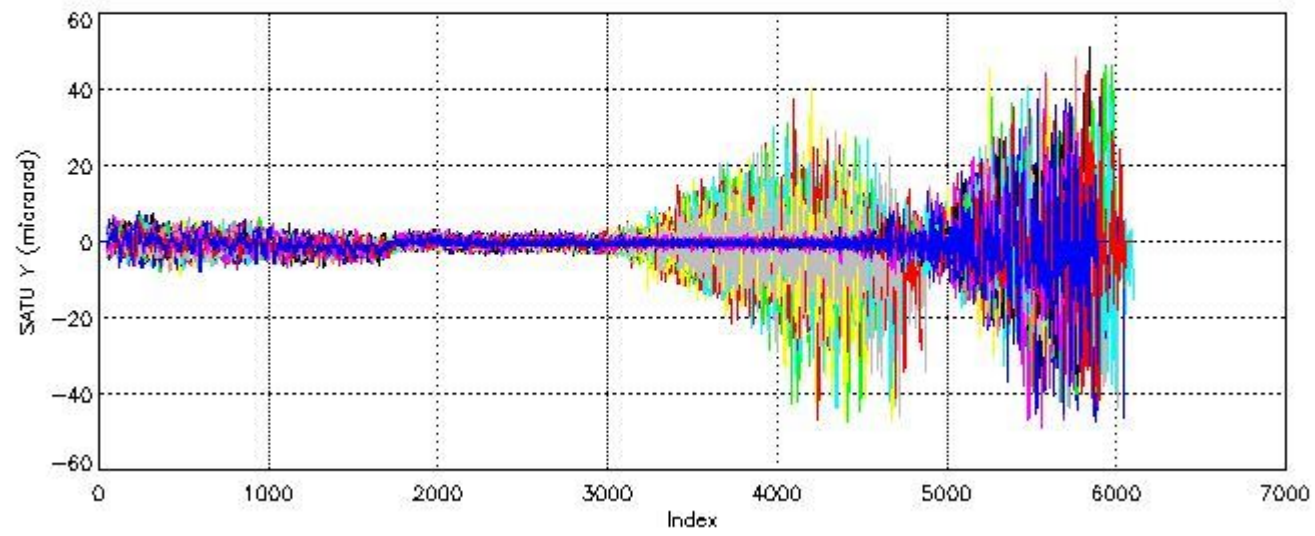
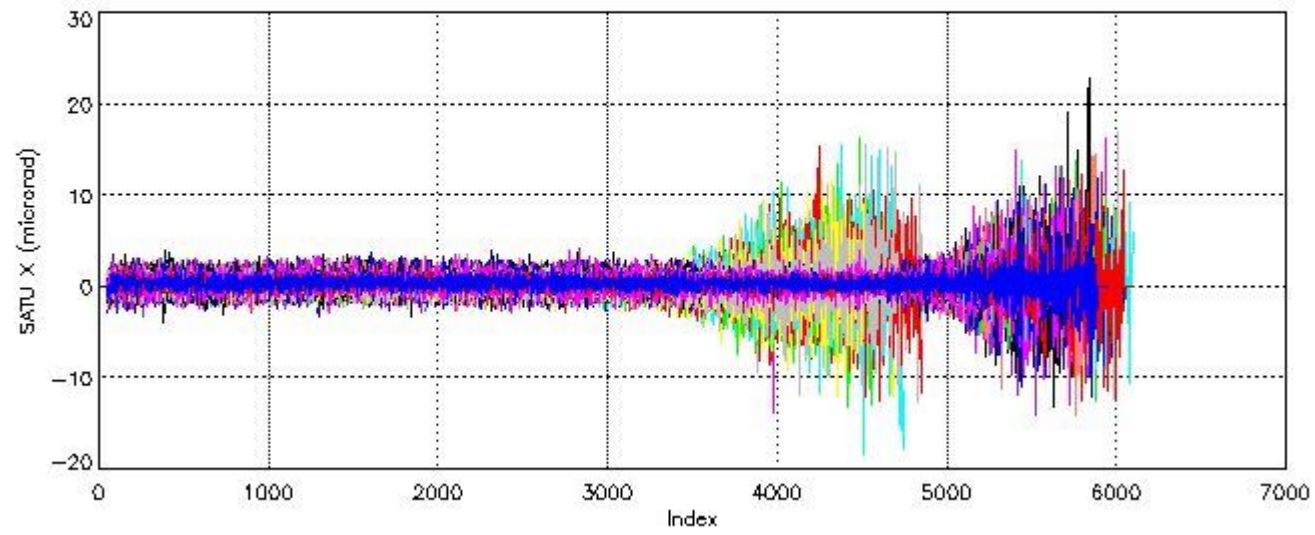


7. Star Acquisition and Tracking Unit (SATU)

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:	0.33124	-0.63922	0.22741	-1.0287
St. deviation:	0.65996	1.7428	0.72728	1.6021
Maximum:	3.8000	7.7000	6.4000	9.5000
Minimum:	-3.9000	-8.8000	-6.7000	-9.9000

Number of data:	69550.	69550.	1.4780E+05	1.4780E+05
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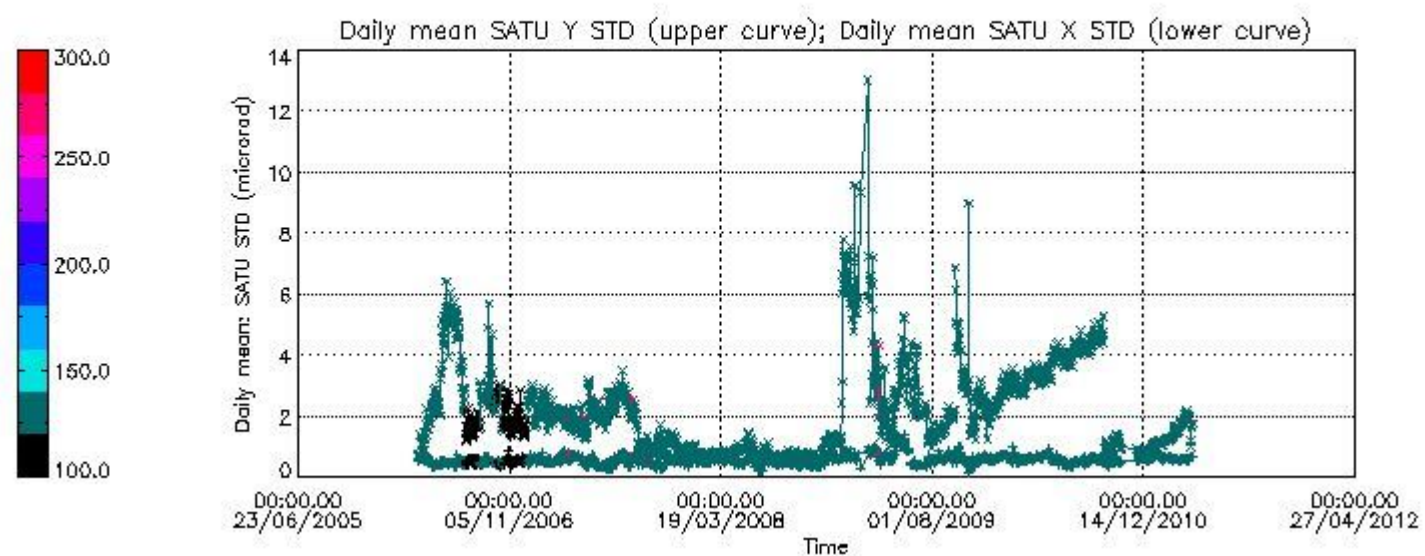
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

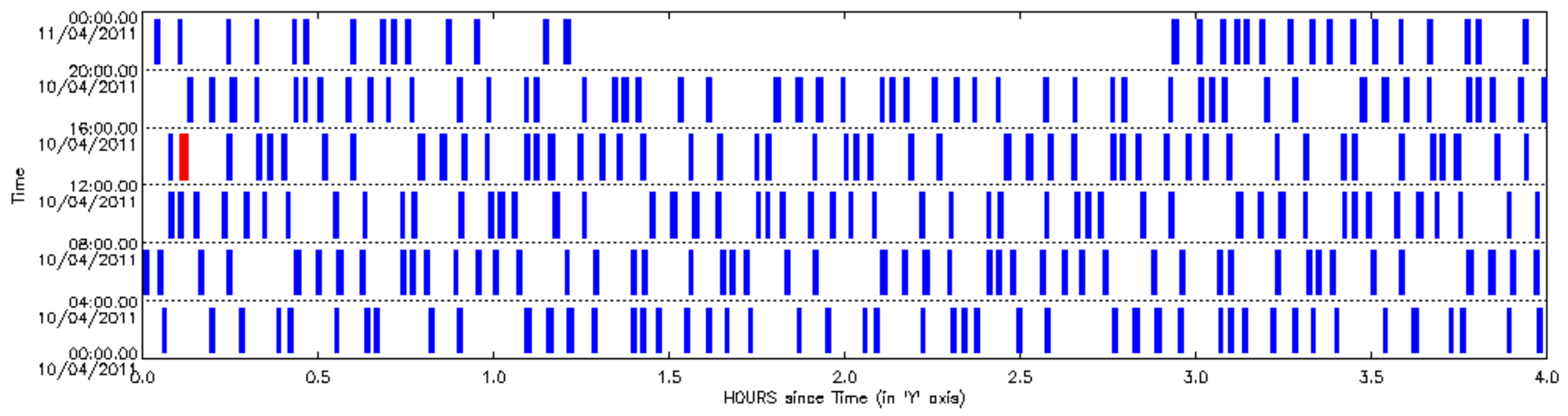


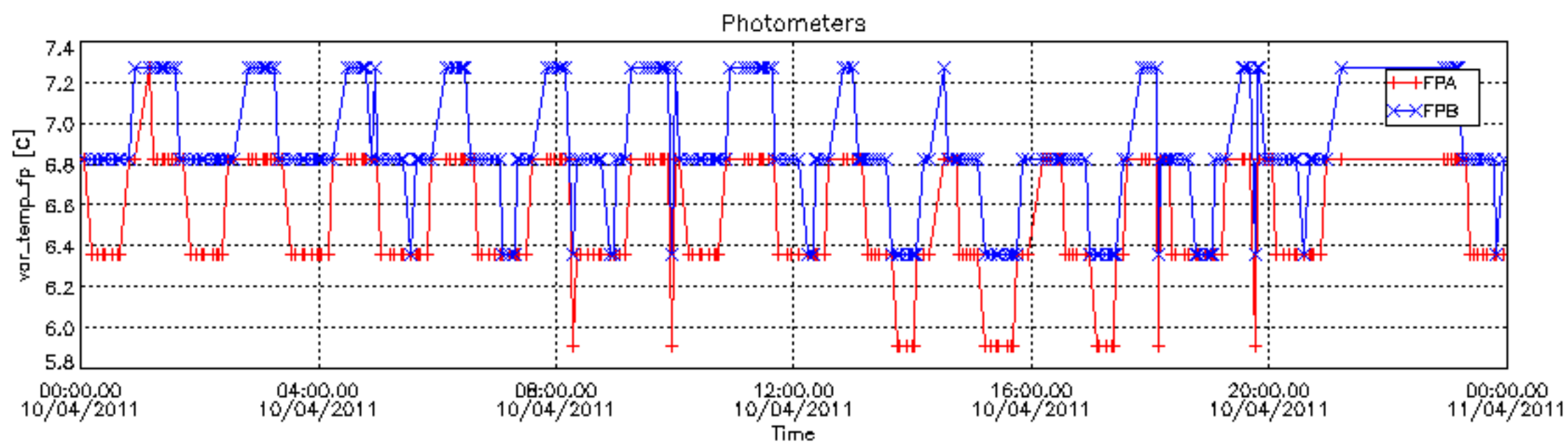
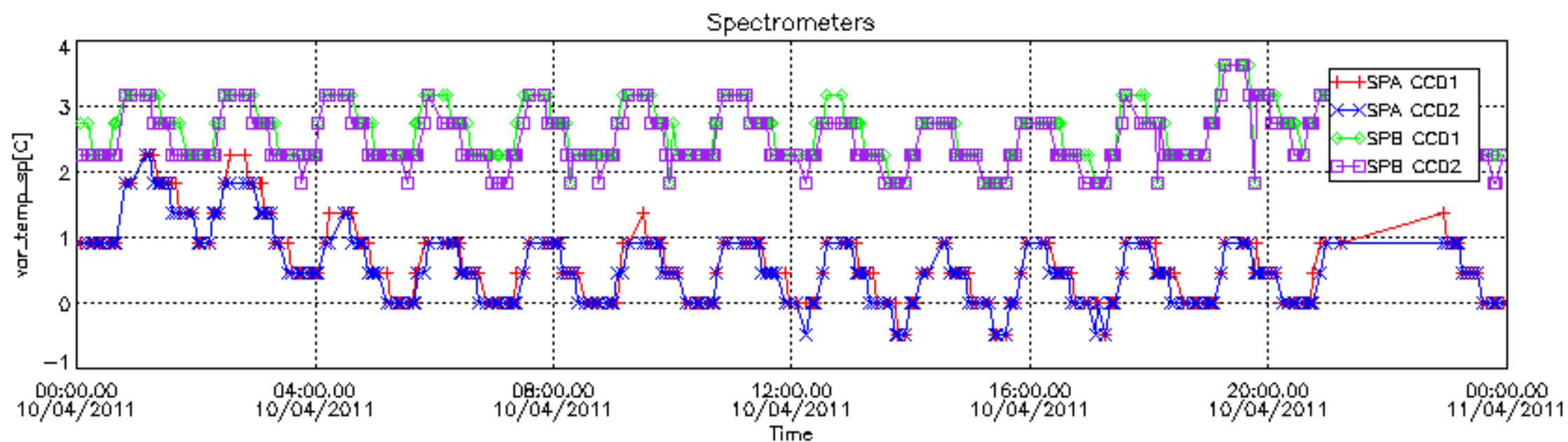
8. Auxiliary Data Files used for the production reported in section 2.4

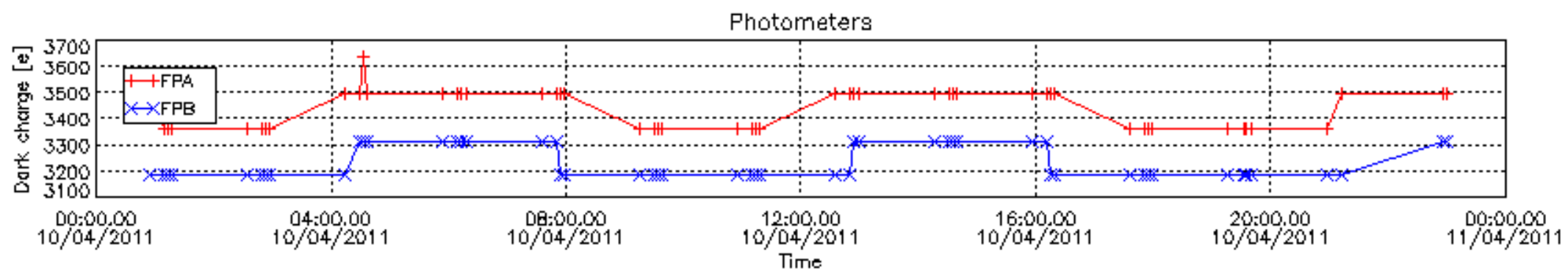
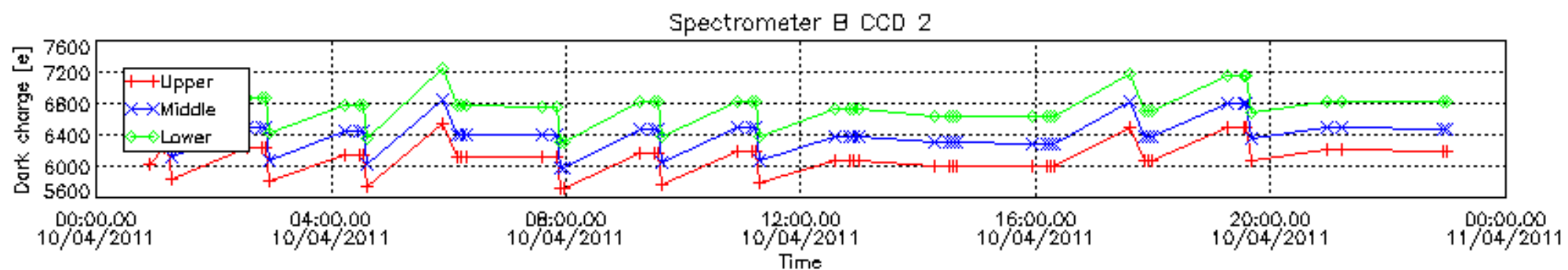
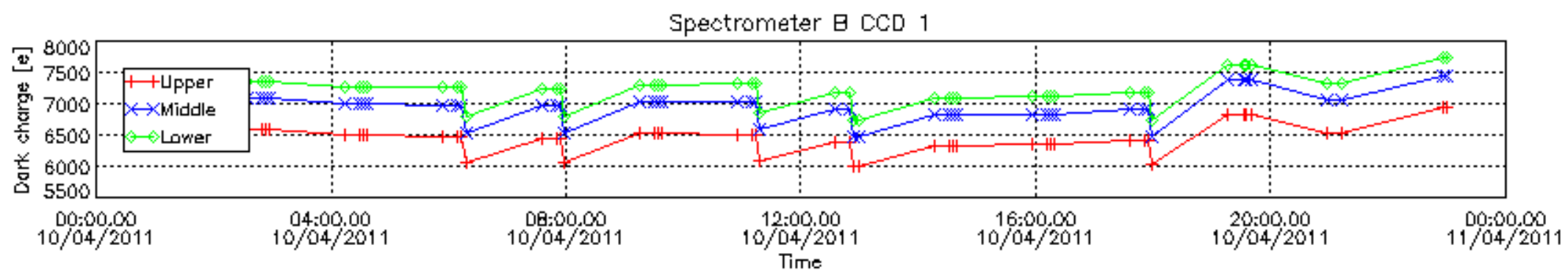
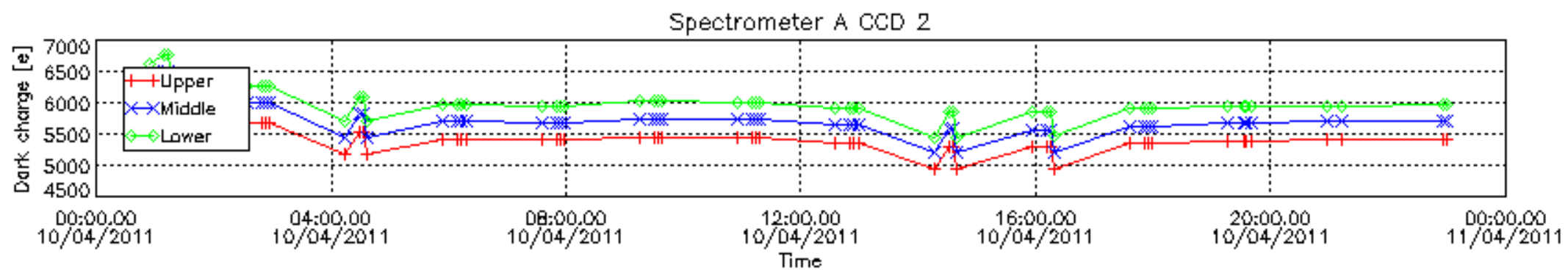
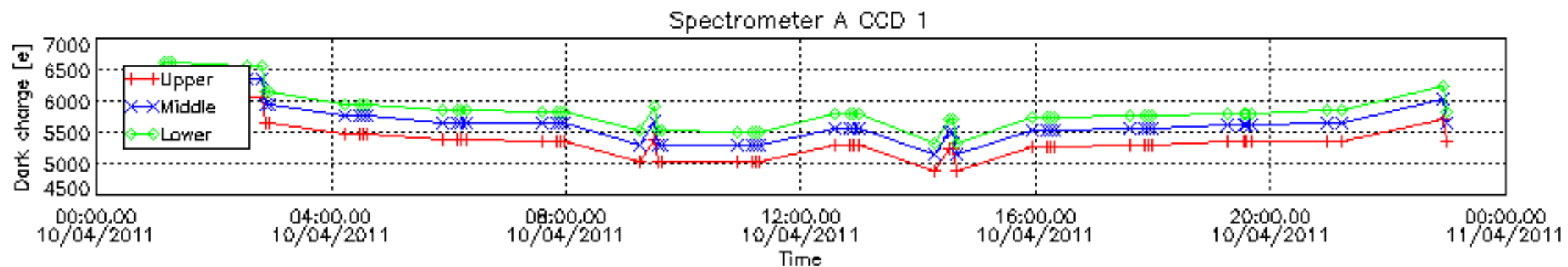
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

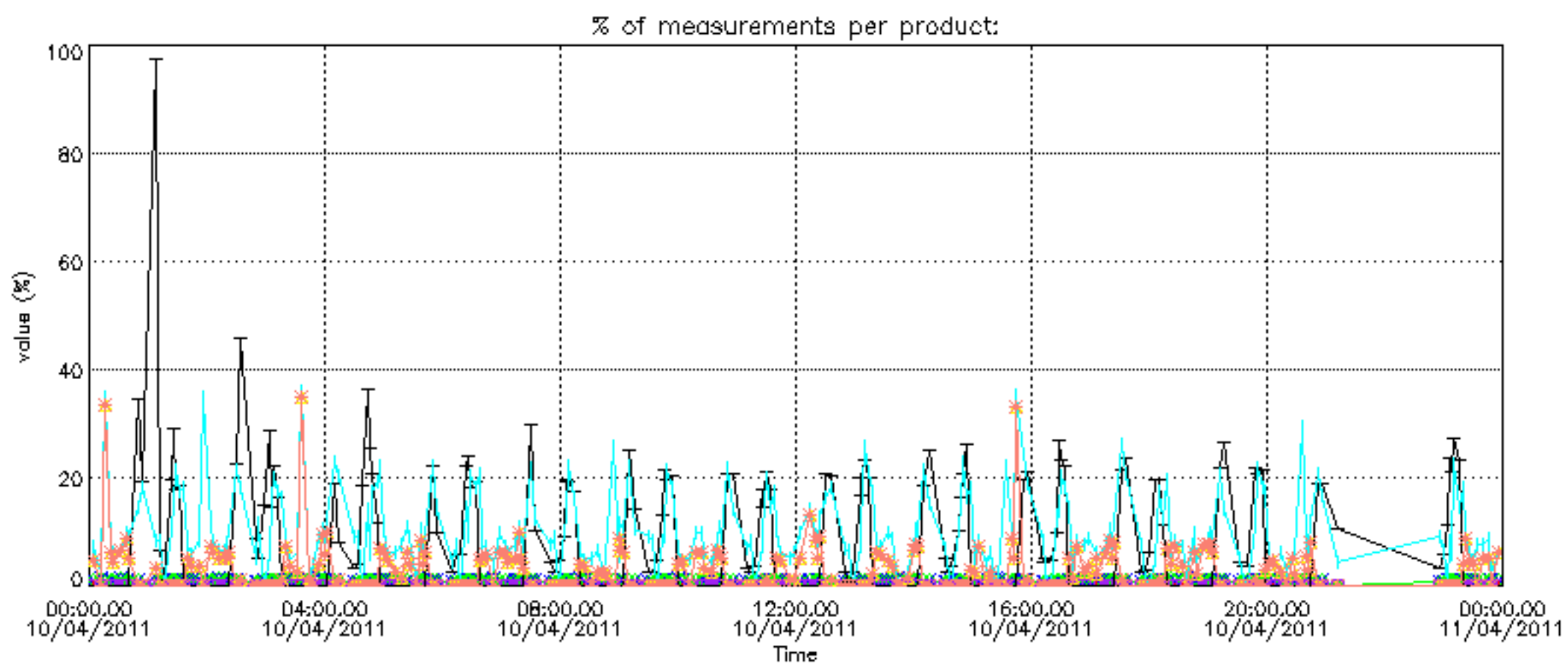
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	10-APR-2011 00:03:16
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110407_084842_20110406_000000_20500101_000000	1	10-APR-2011 00:03:16
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	10-APR-2011 00:03:16
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	10-APR-2011 00:03:16
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	10-APR-2011 00:03:16
ECMWF_FILE	AUX_ECF_AXNECM20110409_062116_20110409_210000_20110410_090000	1	10-APR-2011 00:03:16
ECMWF_FILE	AUX_ECF_AXNECM20110409_182115_20110410_030000_20110410_150000	45	10-APR-2011 03:53:11
ECMWF_FILE	AUX_ECA_AXNECM20110410_063731_20110409_210000_20110410_090000	65	10-APR-2011 05:33:25
ECMWF_FILE	AUX_ECF_AXNECM20110409_182115_20110410_030000_20110410_150000	98	10-APR-2011 08:17:21
ECMWF_FILE	AUX_ECF_AXNECM20110410_063731_20110410_090000_20110410_210000	118	10-APR-2011 09:57:35
ECMWF_FILE	AUX_ECF_AXNECM20110410_063731_20110410_150000_20110411_030000	196	10-APR-2011 16:34:44
ECMWF_FILE	AUX_ECA_AXNECM20110410_181732_20110410_090000_20110410_210000	214	10-APR-2011 18:07:37
ECMWF_FILE	AUX_ECF_AXNECM20110410_063731_20110410_150000_20110411_030000	249	10-APR-2011 20:56:46
ECMWF_FILE	AUX_ECF_AXNECM20110410_063732_20110410_210000_20110411_090000	251	10-APR-2011 22:55:58
OPTIONAL_ECMWF_FILE	MISSING	1	10-APR-2011 00:03:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110409_231605_000057383101_00202_47630_2873.N1	1	10-APR-2011 00:03:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110410_005702_000025503101_00203_47631_2875.N1	11	10-APR-2011 01:08:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110410_014451_000066953101_00204_47632_2876.N1	18	10-APR-2011 01:36:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110410_034144_000060573101_00205_47633_2877.N1	45	10-APR-2011 03:53:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110410_052800_000057383101_00206_47634_2878.N1	65	10-APR-2011 05:33:25

ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110410_070857_000035073101_00207_47635_4267.N1	85	10-APR-2011 07:13:39
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ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110409_102113_20110408_190416_20110418_211805	118	10-APR-2011 09:57:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110410_095340_000057383101_00209_47637_4269.N1	119	10-APR-2011 10:00:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110410_113437_000057383101_00210_47638_4270.N1	138	10-APR-2011 11:37:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110410_131534_000054193101_00211_47639_4271.N1	157	10-APR-2011 13:18:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110410_145112_000054203101_00212_47640_4272.N1	176	10-APR-2011 14:54:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110410_162650_000057383101_00213_47641_4273.N1	196	10-APR-2011 16:34:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110410_180747_000054193101_00214_47642_4274.N1	214	10-APR-2011 18:07:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110410_194326_000038263101_00215_47643_2879.N1	233	10-APR-2011 19:46:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110410_205230_000060573101_00215_47643_2880.N1	249	10-APR-2011 20:56:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110410_223846_000057383101_00216_47644_2881.N1	251	10-APR-2011 22:55:58

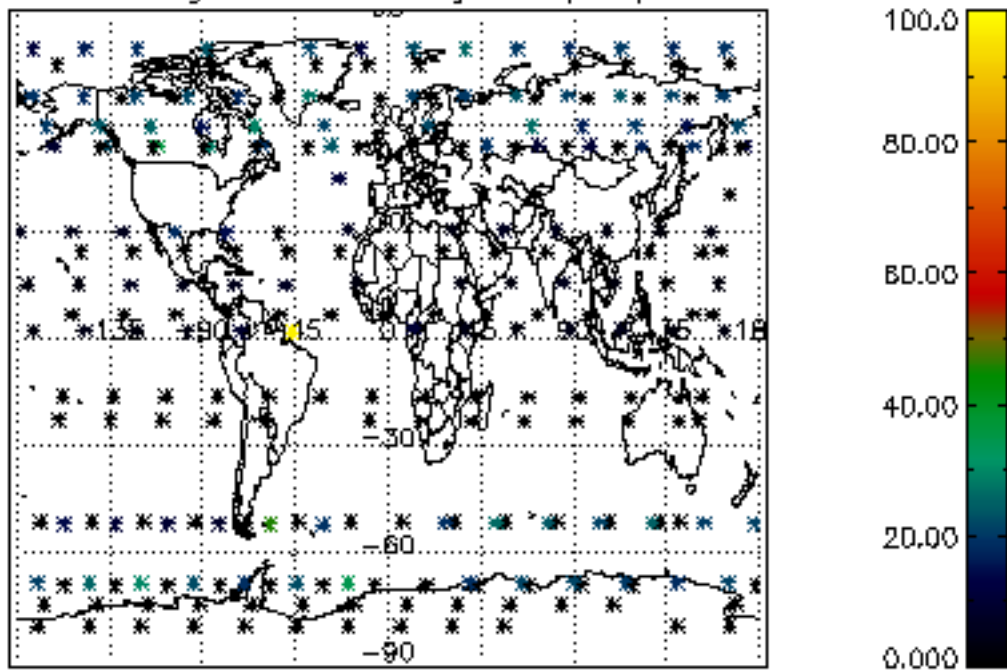




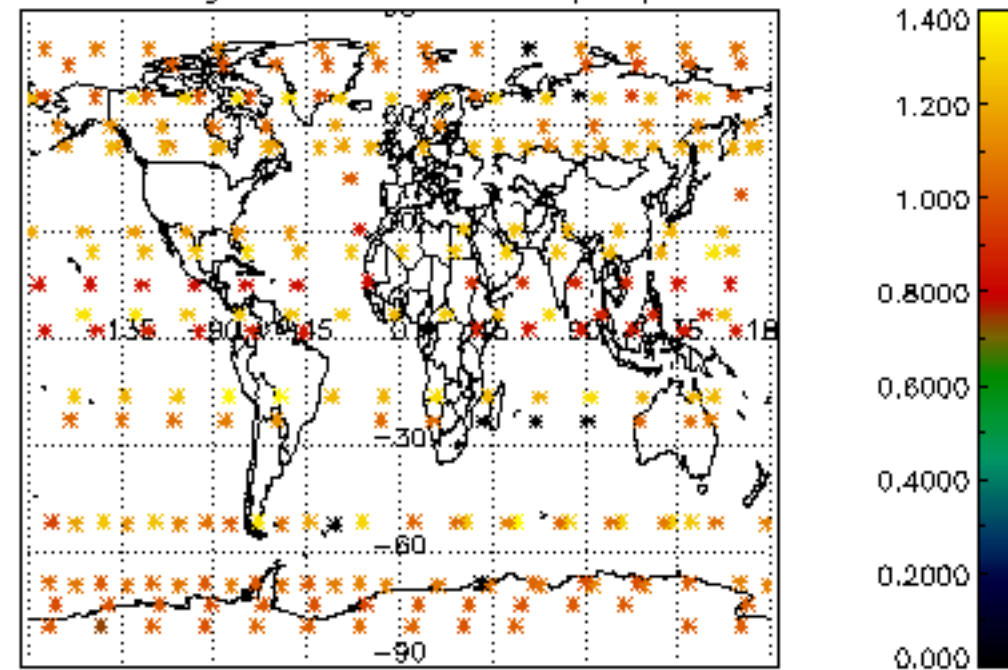




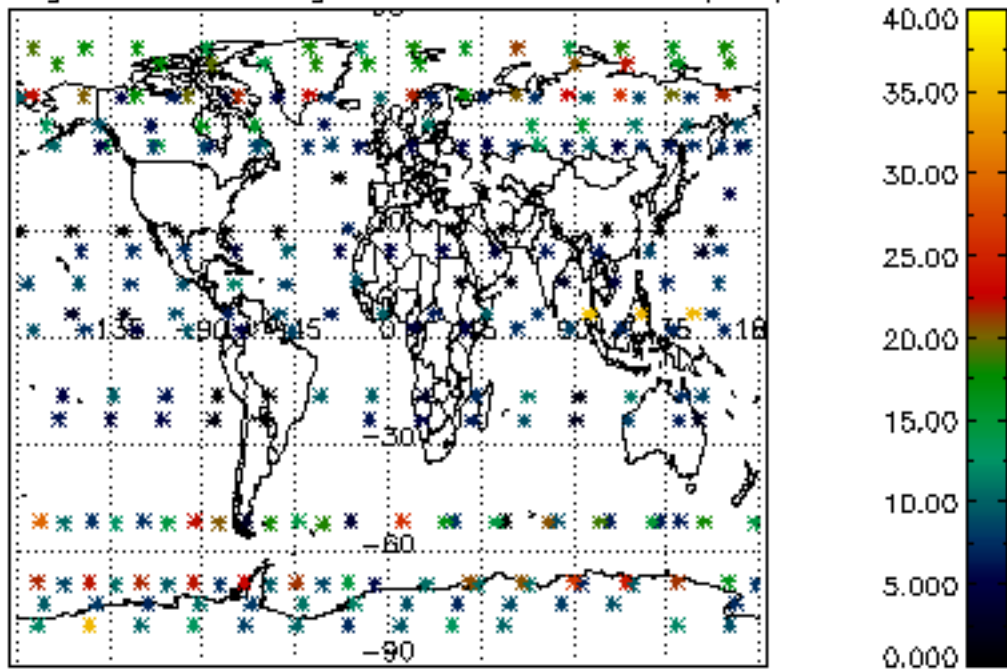
Percentage of cosmic ray hits per profile



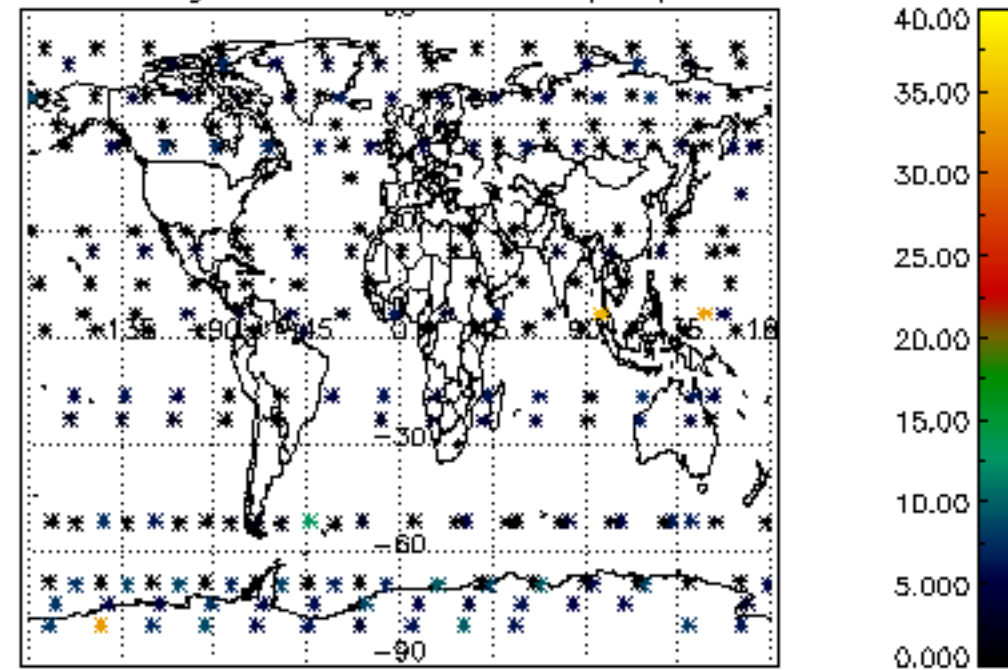
Percentage of datation errors per profile



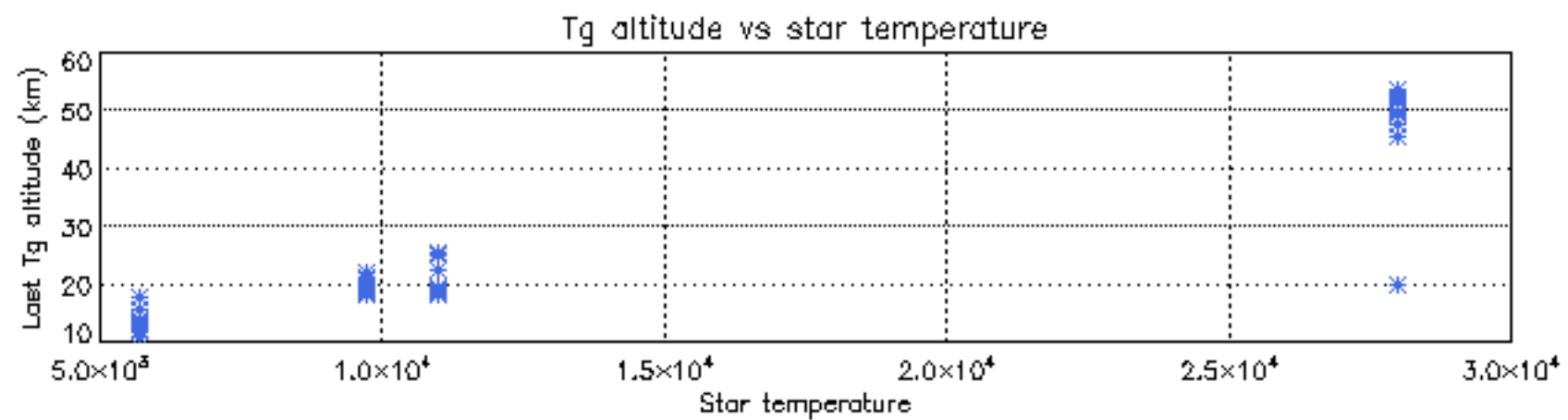
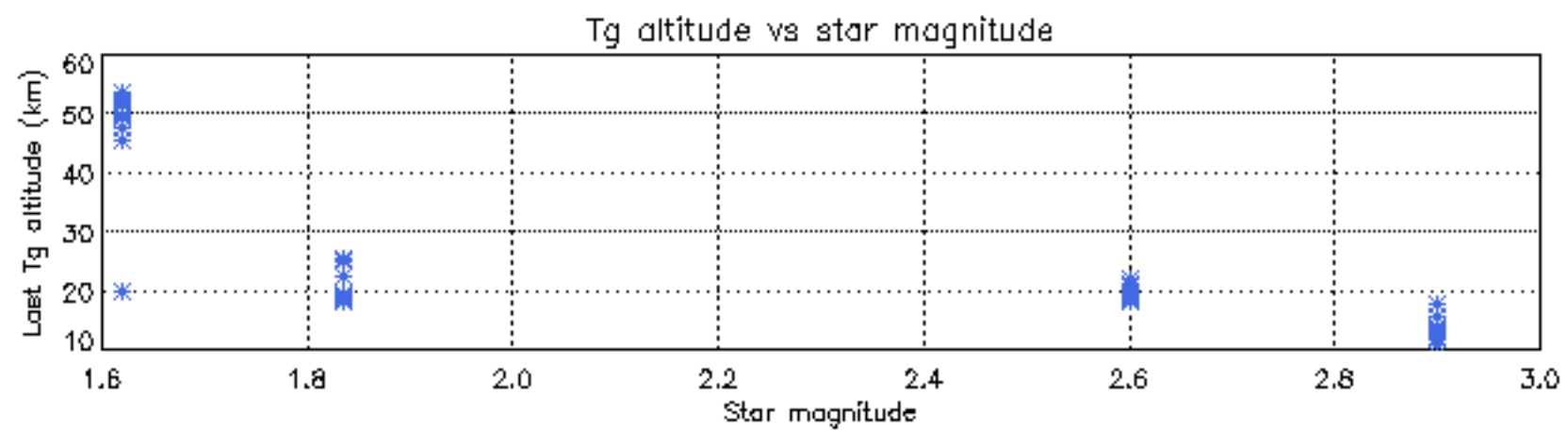
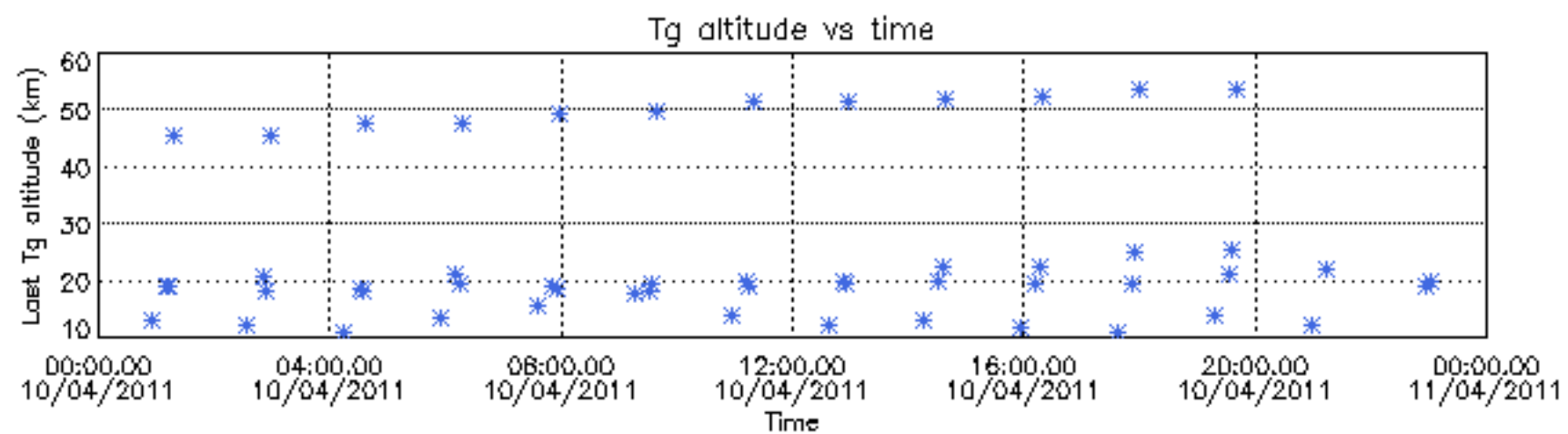
Percentage of star falling outside central band per profile



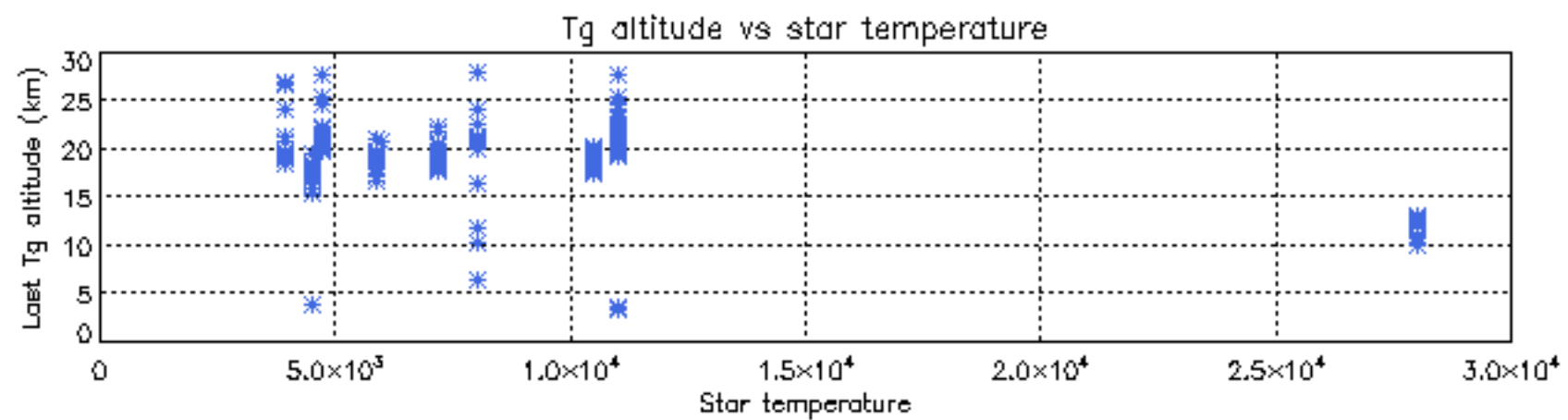
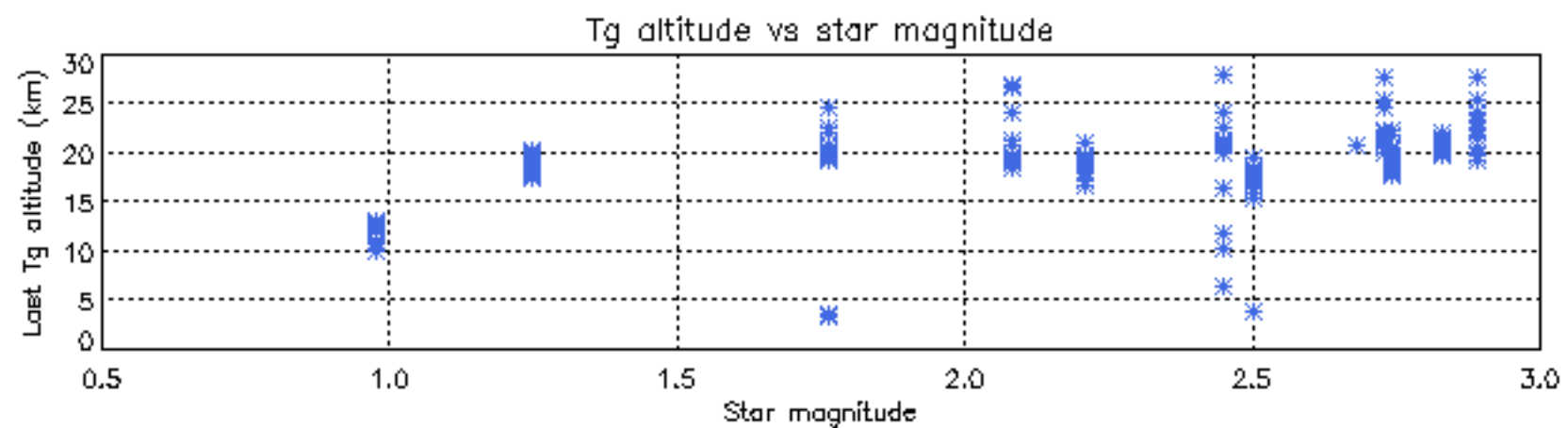
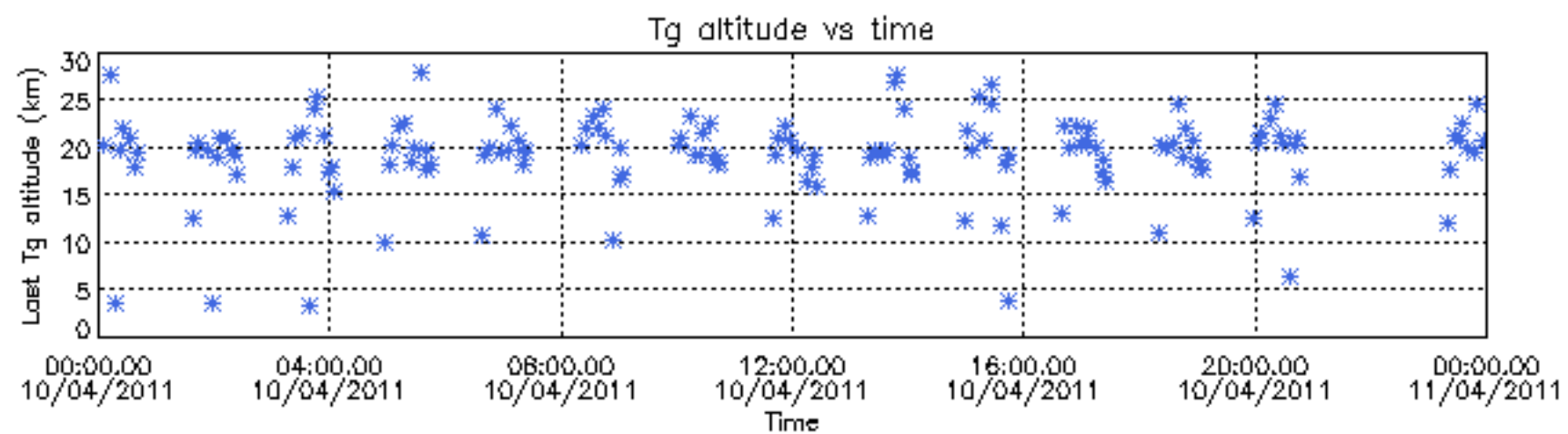
Percentage of saturation errors per profile

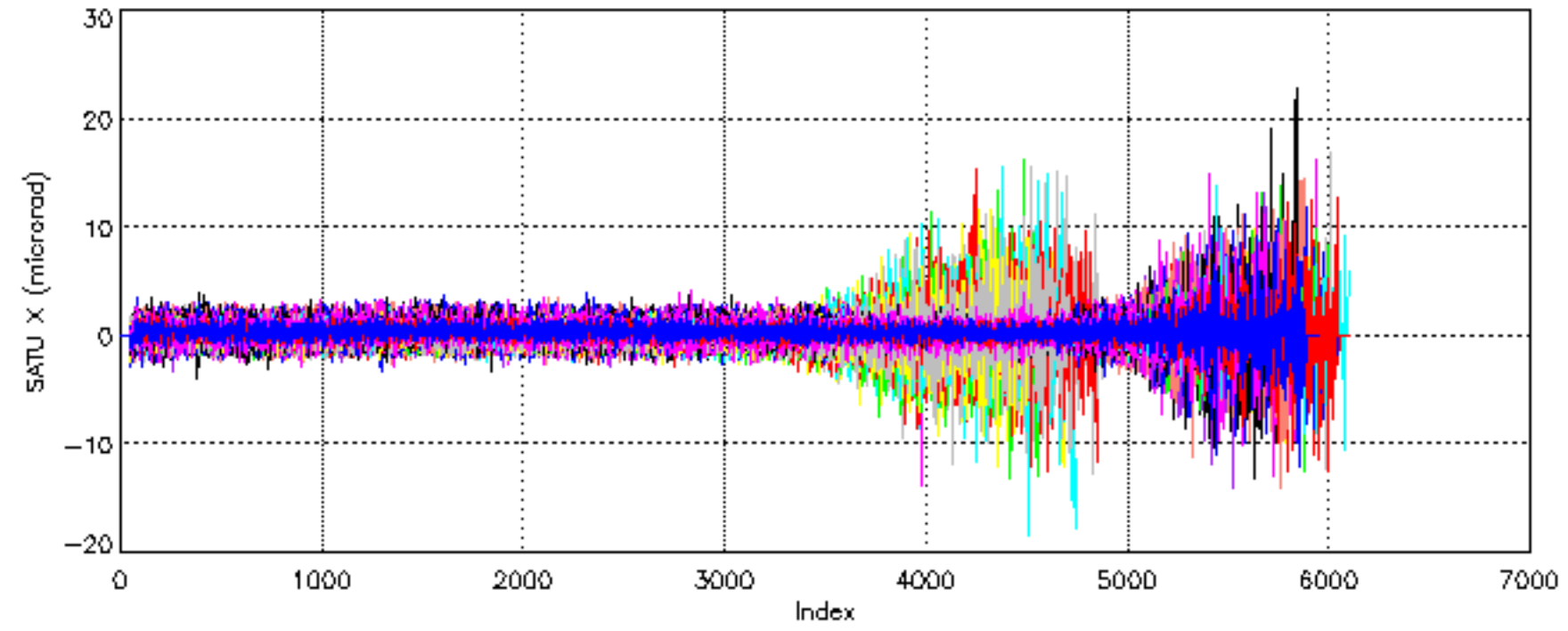


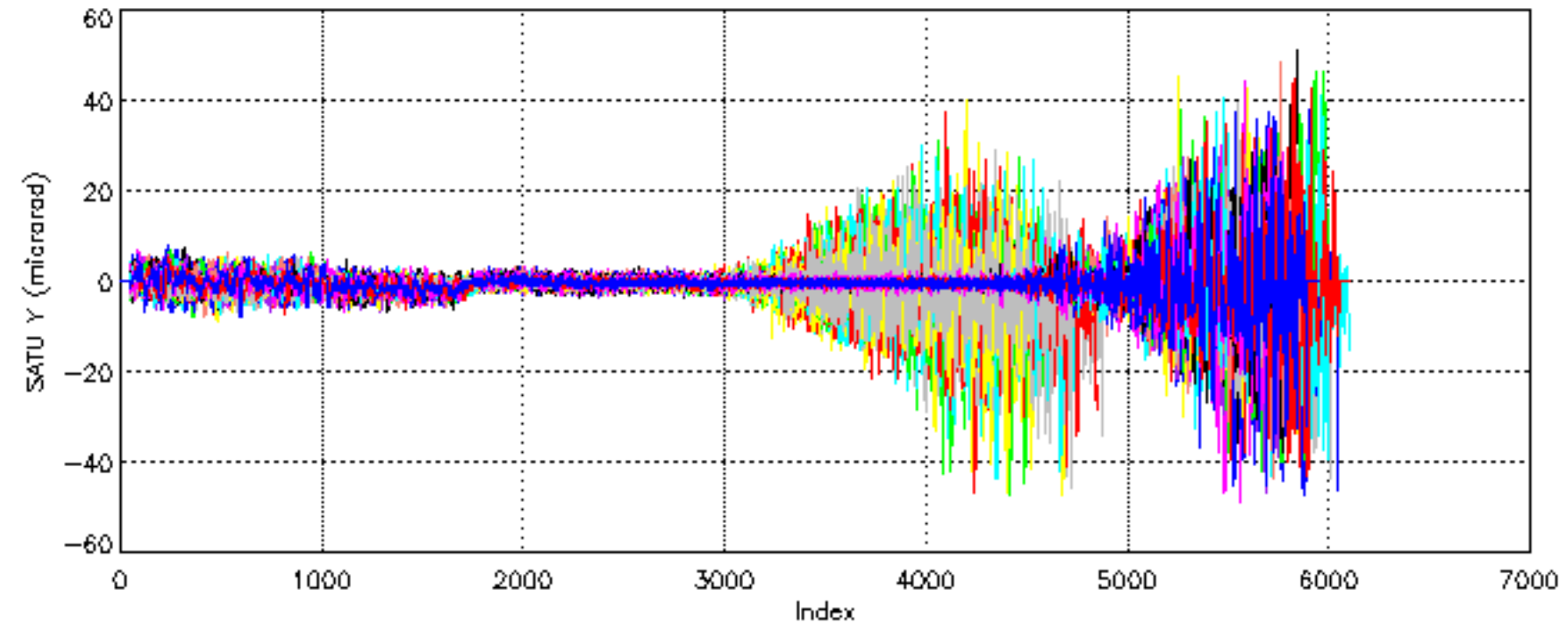
Tangent altitude at which the star is lost

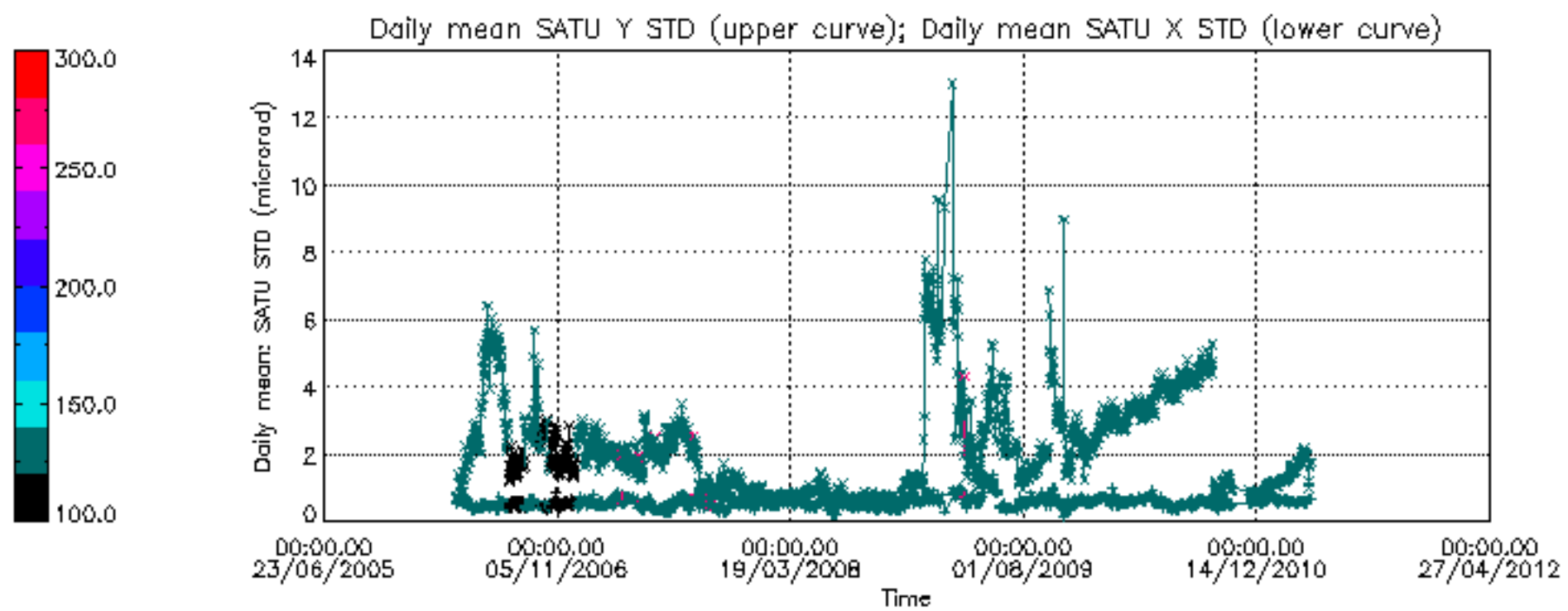


Tangent altitude at which the star is lost









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1; -306.9; 01-APR-2011 01:33:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47502
 2; -143.9; 01-APR-2011 01:35:59; Dark ; 52.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 104; 0;47502
 3; 295.7; 01-APR-2011 01:43:19; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;47503
 4; 512.8; 01-APR-2011 01:46:56; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;47503
 5; 670.4; 01-APR-2011 01:49:33; Dark ; 56.0; 4; Alp1Cen ;-0.01; 5800;occ; 112; 0;47503
 6; 835.1; 01-APR-2011 01:52:18; Dark ; 47.0; 78; Alp Lup ; 2.30; 28000;occ; 94; 0;47503
 7; 930.9; 01-APR-2011 01:53:54; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;47503
 8; 1093.7; 01-APR-2011 01:56:37; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;47503
 9; 1450.9; 01-APR-2011 02:02:34; Dark ; 49.5; 106; 9Bet Crv ; 2.65; 5600;occ; 99; 0;47503
 10; 1568.0; 01-APR-2011 02:04:31; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;47503
 11; 1675.4; 01-APR-2011 02:06:18; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;47503
 12; 1869.7; 01-APR-2011 02:09:33; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;47503
 13; 2146.7; 01-APR-2011 02:14:10; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;47503
 14; 2650.8; 01-APR-2011 02:22:34; Bright; 38.5; 174; 52Psi UMa ; 3.00; 4400;occ; 77; 0;47503
 15; 2830.6; 01-APR-2011 02:25:34; Bright; 51.0; 87; 64Gam UMa ; 2.43; 11000;occ; 102; 0;47503
 16; 2941.2; 01-APR-2011 02:27:24; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;47503
 17; 3317.4; 01-APR-2011 02:33:40; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47503
 18; 3882.0; 01-APR-2011 02:43:05; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;47503
 19; 4176.1; 01-APR-2011 02:47:59; Bright; 68.0; 144; 18Del Cyg ; 2.86; 11000;occ; 136; 0;47503
 20; 4290.9; 01-APR-2011 02:49:54; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;47503
 21; 4413.0; 01-APR-2011 02:51:56; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;47503
 22; 5708.0; 01-APR-2011 03:13:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47503
 23; 5871.4; 01-APR-2011 03:16:14; Dark ; 52.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 104; 0;47503
 24; 6085.2; 01-APR-2011 03:19:48; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;47504
 25; 6310.8; 01-APR-2011 03:23:34; Dark ; 56.0; 40; The Sco ; 1.86; 7100;occ; 112; 0;47504
 26; 6527.3; 01-APR-2011 03:27:10; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;47504
 27; 6685.0; 01-APR-2011 03:29:48; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;47504
 28; 6850.1; 01-APR-2011 03:32:33; Dark ; 49.5; 78; Alp Lup ; 2.30; 28000;occ; 99; 0;47504
 29; 6945.5; 01-APR-2011 03:34:08; Dark ; 50.5; 81; Eta Cen ; 2.36; 28000;occ; 101; 0;47504
 30; 7108.1; 01-APR-2011 03:36:51; Dark ; 57.0; 54; 5The Cen ; 2.06; 4500;occ; 114; 0;47504
 31; 7465.3; 01-APR-2011 03:42:48; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;47504
 32; 7582.4; 01-APR-2011 03:44:45; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;47504
 33; 7689.7; 01-APR-2011 03:46:33; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;47504
 34; 7883.8; 01-APR-2011 03:49:47; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;47504
 35; 8160.7; 01-APR-2011 03:54:24; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;47504
 36; 8664.8; 01-APR-2011 04:02:48; Bright; 38.5; 174; 52Psi UMa ; 3.00; 4400;occ; 77; 0;47504
 37; 8844.5; 01-APR-2011 04:05:47; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;47504
 38; 8953.2; 01-APR-2011 04:07:36; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;47504
 39; 9331.2; 01-APR-2011 04:13:54; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;47504

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1;-2131.9; 01-APR-2011 04:23:19; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;47504
 2;-1838.1; 01-APR-2011 04:28:13; Bright; 45.5; 144; 18Del Cyg ; 2.86; 11000;occ; 91; 0;47504
 3;-1723.1; 01-APR-2011 04:30:08; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;47504
 4;-1600.9; 01-APR-2011 04:32:10; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;47504
 5;-1207.4; 01-APR-2011 04:38:44; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;47504
 6; -932.5; 01-APR-2011 04:43:18; Dark ; 40.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 81; 0;47504
 7; -305.2; 01-APR-2011 04:53:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47504
 8; -140.9; 01-APR-2011 04:56:30; Dark ; 47.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 94; 0;47504
 9; 72.4; 01-APR-2011 05:00:03; Dark ; 55.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 111; 0;47505
 10; 297.8; 01-APR-2011 05:03:49; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;47505
 11; 513.9; 01-APR-2011 05:07:25; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;47505
 12; 671.5; 01-APR-2011 05:10:02; Dark ; 50.5; 4; Alp1Cen ;-0.01; 5800;occ; 101; 0;47505
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 3; -1723.7; 03-APR-2011 06:37:07; Bright; 46.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 92; 0;47534
 4; -1597.9; 03-APR-2011 06:39:13; Bright; 46.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 92; 0;47534
 5; -1198.9; 03-APR-2011 06:45:52; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;47534
 6; -920.8; 03-APR-2011 06:50:30; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;47534
 7; -279.6; 03-APR-2011 07:01:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47534
 8; -102.4; 03-APR-2011 07:04:08; Dark ; 54.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 109; 0;47534
 9; 112.7; 03-APR-2011 07:07:43; Dark ; 54.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 109; 0;47535
 10; 331.3; 03-APR-2011 07:11:22; Dark ; 61.5; 40; The Sco ; 1.86; 7100;occ; 123; 0;47535
 11; 529.1; 03-APR-2011 07:14:40; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;47535
 12; 854.9; 03-APR-2011 07:20:06; Dark ; 47.0; 78; Alp Lup ; 2.30; 28000;occ; 94; 0;47535
 13; 950.6; 03-APR-2011 07:21:41; Dark ; 47.5; 81; Eta Cen ; 2.36; 28000;occ; 95; 0;47535
 14; 1109.8; 03-APR-2011 07:24:21; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;47535
 15; 1457.4; 03-APR-2011 07:30:08; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;47535
 16; 1572.9; 03-APR-2011 07:32:04; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;47535
 17; 1675.4; 03-APR-2011 07:33:46; Dark ; 58.0; 15; 67Alp Vir ; 0.98; 28000;occ; 116; 0;47535

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 2; 2144.2; 03-APR-2011 07:41:35; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;47535
 3; 2640.9; 03-APR-2011 07:49:52; Bright; 42.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 85; 0;47535
 4; 2824.1; 03-APR-2011 07:52:55; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;47535
 5; 2926.4; 03-APR-2011 07:54:37; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;47535
 6; 3307.0; 03-APR-2011 08:00:58; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;47535
 7; 3879.7; 03-APR-2011 08:10:30; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;47535
 8; 4170.7; 03-APR-2011 08:15:21; Bright; 52.5; 144; 18Del Cyg ; 2.86; 11000;occ; 105; 0;47535
 9; 4290.3; 03-APR-2011 08:17:21; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;47535
 10; 4416.3; 03-APR-2011 08:19:27; Bright; 43.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 87; 0;47535
 11; 4815.3; 03-APR-2011 08:26:06; Dark ; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;47535
 12; 5093.6; 03-APR-2011 08:30:44; Dark ; 46.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 93; 0;47535
 13; 5735.3; 03-APR-2011 08:41:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47535
 14; 5913.1; 03-APR-2011 08:44:24; Dark ; 54.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 108; 0;47535

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 2; 368.1; 03-APR-2011 10:32:27; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;47537
 3; 855.7; 03-APR-2011 10:40:34; Dark ; 47.5; 78; Alp Lup ; 2.30; 28000;occ; 95; 0;47537
 4; 952.0; 03-APR-2011 10:42:11; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;47537
 5; 1110.6; 03-APR-2011 10:44:49; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;47537
 6; 1457.7; 03-APR-2011 10:50:36; Dark ; 47.0; 106; 9Bet Crv ; 2.65; 5600;occ; 94; 0;47537
 7; 1572.9; 03-APR-2011 10:52:32; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;47537
 8; 1675.2; 03-APR-2011 10:54:14; Dark ; 17.0; 15; 67Alp Vir ; 0.98; 28000;occ; 34; 0;47537

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 2; 1866.4; 03-APR-2011 10:57:25; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;47537
 3; 2144.3; 03-APR-2011 11:02:03; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;47537
 4; 2639.8; 03-APR-2011 11:10:18; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;47537
 5; 2823.6; 03-APR-2011 11:13:22; Bright; 38.5; 87; 64Gam UMa ; 2.43; 11000;occ; 77; 0;47537
 6; 2925.5; 03-APR-2011 11:15:04; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;47537
 7; 3306.4; 03-APR-2011 11:21:25; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;47537
 8; 3461.0; 03-APR-2011 11:24:00; Bright; 49.0; 119; 14Eta Dra ; 2.73; 4700;occ; 98; 0;47537
 9; 3879.4; 03-APR-2011 11:30:58; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;47537
 10; 4170.4; 03-APR-2011 11:35:49; Bright; 70.0; 144; 18Del Cyg ; 2.86; 11000;occ; 140; 0;47537
 11; 4290.0; 03-APR-2011 11:37:49; Bright; 47.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 94; 0;47537
 12; 4416.7; 03-APR-2011 11:39:55; Bright; 45.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 91; 0;47537
 13; 5737.0; 03-APR-2011 12:01:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47537
 14; 5919.9; 03-APR-2011 12:04:59; Dark ; 58.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 117; 0;47537
 15; 6130.4; 03-APR-2011 12:08:29; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;47538
 16; 6383.4; 03-APR-2011 12:12:42; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;47538
 17; 6870.2; 03-APR-2011 12:20:49; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;47538
 18; 6966.5; 03-APR-2011 12:22:25; Dark ; 52.0; 81; Eta Cen ; 2.36; 28000;occ; 104; 0;47538
 19; 7125.2; 03-APR-2011 12:25:04; Dark ; 55.0; 54; 5The Cen ; 2.06; 4500;occ; 110; 0;47538
 20; 7471.7; 03-APR-2011 12:30:50; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;47538
 21; 7587.1; 03-APR-2011 12:32:46; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;47538

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 2; 1675.2; 03-APR-2011 12:34:28; Dark ; 68.0; 15; 67Alp Vir ; 0.98; 28000;occ; 136; 0;47538
 3; 1866.3; 03-APR-2011 12:37:39; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;47538

4; 2144.0; 03-APR-2011 12:42:17; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;47538
5; 2639.3; 03-APR-2011 12:50:32; Bright; 43.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 86; 0;47538
6; 2823.6; 03-APR-2011 12:53:36; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;47538
7; 2925.3; 03-APR-2011 12:55:18; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;47538
8; 3306.0; 03-APR-2011 13:01:39; Bright; 44.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;47538
9; 3460.4; 03-APR-2011 13:04:13; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;47538
10; 3879.4; 03-APR-2011 13:11:12; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;47538
11; 4170.3; 03-APR-2011 13:16:03; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;47538
12; 4290.3; 03-APR-2011 13:18:03; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;47538
13; 4416.7; 03-APR-2011 13:20:09; Bright; 43.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 87; 0;47538
14; 5737.9; 03-APR-2011 13:42:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47538
15; 5921.4; 03-APR-2011 13:45:14; Dark ; 59.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 118; 0;47538
16; 6132.0; 03-APR-2011 13:48:45; Dark ; 58.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 116; 0;47539
17; 6384.8; 03-APR-2011 13:52:57; Dark ; 58.5; 25; 35Lam Sco ; 1.62; 28000;occ; 117; 0;47539
18; 6871.1; 03-APR-2011 14:01:04; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;47539
19; 6966.9; 03-APR-2011 14:02:39; Dark ; 50.5; 81; Eta Cen ; 2.36; 28000;occ; 101; 0;47539
20; 7125.7; 03-APR-2011 14:05:18; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;47539
21; 7472.1; 03-APR-2011 14:11:05; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;47539

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3; 1675.4; 03-APR-2011 14:14:42; Dark ; 60.5; 15; 67Alp Vir ; 0.98; 28000;occ; 121; 0;47539
4; 1866.5; 03-APR-2011 14:17:53; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;47539
5; 2144.2; 03-APR-2011 14:22:31; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;47539
6; 2638.7; 03-APR-2011 14:30:45; Bright; 43.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 86; 0;47539
7; 2823.4; 03-APR-2011 14:33:50; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;47539
8; 2924.9; 03-APR-2011 14:35:31; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;47539
9; 3305.8; 03-APR-2011 14:41:52; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;47539
10; 3459.6; 03-APR-2011 14:44:26; Bright; 47.5; 119; 14Eta Dra ; 2.73; 4700;occ; 95; 0;47539
11; 3879.4; 03-APR-2011 14:51:26; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;47539
12; 4170.0; 03-APR-2011 14:56:16; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;47539
13; 4290.5; 03-APR-2011 14:58:17; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;47539
14; 4416.7; 03-APR-2011 15:00:23; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;47539
15; 5738.8; 03-APR-2011 15:22:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47539
16; 5923.1; 03-APR-2011 15:25:30; Dark ; 60.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 120; 0;47539
17; 6133.5; 03-APR-2011 15:29:00; Dark ; 56.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 113; 0;47540
18; 6386.3; 03-APR-2011 15:33:13; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;47540
19; 6871.7; 03-APR-2011 15:41:18; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;47540
20; 6967.7; 03-APR-2011 15:42:54; Dark ; 49.5; 81; Eta Cen ; 2.36; 28000;occ; 99; 0;47540
21; 7126.1; 03-APR-2011 15:45:33; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;47540

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2; 972.1; 05-APR-2011 21:10:40; Dark ; 48.5; 81; Eta Cen ; 2.36; 28000;occ; 97; 0;47572
3; 1127.2; 05-APR-2011 21:13:15; Dark ; 49.5; 54; 5The Cen ; 2.06; 4500;occ; 99; 0;47572
4; 1464.4; 05-APR-2011 21:18:53; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;47572
5; 1589.2; 05-APR-2011 21:20:57; Dark ; 40.5; 163; 7Del Crv ; 2.94; 11000;occ; 81; 0;47572
6; 1675.7; 05-APR-2011 21:22:24; Dark ; 60.5; 15; 67Alp Vir ; 0.98; 28000;occ; 121; 0;47572
7; 1864.2; 05-APR-2011 21:25:32; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;47572
8; 2118.6; 05-APR-2011 21:29:47; Bright; 64.0; 138; 47Eps Vir ; 2.83; 4700;occ; 128; 0;47572
9; 2622.7; 05-APR-2011 21:38:11; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;47572
10; 2817.5; 05-APR-2011 21:41:26; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;47572
11; 2912.1; 05-APR-2011 21:43:00; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;47572
12; 3295.3; 05-APR-2011 21:49:23; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47572
13; 3436.0; 05-APR-2011 21:51:44; Bright; 49.0; 119; 14Eta Dra ; 2.73; 4700;occ; 98; 0;47572
14; 3876.5; 05-APR-2011 21:59:05; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;47572
15; 4163.3; 05-APR-2011 22:03:51; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;47572
16; 4289.1; 05-APR-2011 22:05:57; Bright; 52.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 104; 0;47572
17; 4419.8; 05-APR-2011 22:08:08; Bright; 46.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 92; 0;47572
18; 4826.6; 05-APR-2011 22:14:55; Dark ; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;47572
19; 5109.3; 05-APR-2011 22:19:38; Dark ; 37.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 75; 0;47572

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3; -52.3; 05-APR-2011 22:33:50; Dark ; 56.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 113; 0;47572
4; 164.8; 05-APR-2011 22:37:27; Dark ; 60.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 121; 0;47573
5; 417.3; 05-APR-2011 22:41:39; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;47573
6; 876.8; 05-APR-2011 22:49:19; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;47573
7; 972.6; 05-APR-2011 22:50:55; Dark ; 47.5; 81; Eta Cen ; 2.36; 28000;occ; 95; 0;47573

8; 1127.5; 05-APR-2011 22:53:30; Dark ; 48.0; 54; 5The Cen ; 2.06; 4500;occ; 96; 0;47573
 9; 1464.6; 05-APR-2011 22:59:07; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;47573
 10; 1589.2; 05-APR-2011 23:01:11; Dark ; 44.5; 163; 7Del Crv ; 2.94; 11000;occ; 89; 0;47573
 11; 1675.6; 05-APR-2011 23:02:38; Dark ; 58.0; 15; 67Alp Vir ; 0.98; 28000;occ; 116; 0;47573
 12; 1864.0; 05-APR-2011 23:05:46; Bright; 40.5; 121; 29Gam Vir ; 2.74; 7200;occ; 81; 0;47573
 13; 2118.3; 05-APR-2011 23:10:00; Bright; 45.0; 138; 47Eps Vir ; 2.83; 4700;occ; 90; 0;47573
 14; 2622.2; 05-APR-2011 23:18:24; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;47573
 15; 2817.3; 05-APR-2011 23:21:39; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;47573
 16; 2911.8; 05-APR-2011 23:23:14; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;47573
 17; 3294.9; 05-APR-2011 23:29:37; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;47573
 18; 3435.1; 05-APR-2011 23:31:57; Bright; 46.5; 119; 14Eta Dra ; 2.73; 4700;occ; 93; 0;47573
 19; 3876.4; 05-APR-2011 23:39:18; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;47573
 20; 4163.1; 05-APR-2011 23:44:05; Bright; 72.0; 144; 18Del Cyg ; 2.86; 11000;occ; 144; 0;47573
 21; 4288.9; 05-APR-2011 23:46:11; Bright; 48.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 96; 0;47573
 22; 4419.9; 05-APR-2011 23:48:22; Bright; 46.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 92; 0;47573
 23; 4827.0; 05-APR-2011 23:55:09; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;47573
 24; 5109.7; 05-APR-2011 23:59:52; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;47573

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 2; 1463.9; 05-APR-2011 14:37:56; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;47568
 3; 1588.8; 05-APR-2011 14:40:01; Dark ; 42.5; 163; 7Del Crv ; 2.94; 11000;occ; 85; 0;47568
 4; 1675.8; 05-APR-2011 14:41:28; Dark ; 66.0; 15; 67Alp Vir ; 0.98; 28000;occ; 132; 0;47568
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 6; 2143.0; 05-APR-2011 14:49:15; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;47568
 7; 2624.7; 05-APR-2011 14:57:17; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;47568
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 9; 2913.8; 05-APR-2011 15:02:06; Bright; 37.5; 32; 77Eps UMa ; 1.76; 11000;occ; 75; 0;47568
 10; 3296.8; 05-APR-2011 15:08:29; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;47568
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19;	6576.4;	18-APR-2011	18:06:59;	Dark	;	58.0;	178;	Iot1Sco	;	3.02;	6550;occ;	116;	0;	47757
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21;	6898.7;	18-APR-2011	18:12:21;	Dark	;	70.0;	75;	26Eps Sco	;	2.29;	4250;occ;	140;	0;	47757
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8;	3849.4;	18-APR-2011	19:01:46;	Bright;	;	38.0;	89;	5Alp Cep	;	2.45;	8000;occ;	76;	0;	47757
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14;	5215.8;	18-APR-2011	19:24:33;	Dark	;	50.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	101;	0;	47757
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17;	6246.9;	18-APR-2011	19:41:44;	Dark	;	64.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	128;	0;	47758
18;	6451.9;	18-APR-2011	19:45:09;	Dark	;	65.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	131;	0;	47758
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 2; 2252.0; 21-APR-2011 11:44:15; Bright; 50.5; 111; 8Eta Boo ; 2.68; 6000;occ; 101; 0;47796
 3; 2525.8; 21-APR-2011 11:48:48; Bright; 51.0; 83; ; 2.38; 11000;occ; 102; 0;47796
 4; 2693.3; 21-APR-2011 11:51:36; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;47796
 5; 2793.3; 21-APR-2011 11:53:16; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;47796
 6; 3276.4; 21-APR-2011 12:01:19; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;47796
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 8; 4155.1; 21-APR-2011 12:15:58; Bright; 52.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 105; 0;47796
 9; 4265.2; 21-APR-2011 12:17:48; Bright; 85.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 170; 0;47796
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 16; 6314.1; 21-APR-2011 12:51:57; Dark ; 68.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 136; 0;47797
 17; 6510.1; 21-APR-2011 12:55:13; Dark ; 63.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 127; 0;47797
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 3; 2251.9; 21-APR-2011 13:24:28; Bright; 51.0; 111; 8Eta Boo ; 2.68; 6000;occ; 102; 0;47797
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 5; 2692.7; 21-APR-2011 13:31:49; Bright; 57.5; 180; 27Gam Boo ; 3.04; 8000;occ; 115; 0;47797
 6; 2793.0; 21-APR-2011 13:33:29; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;47797
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23; 6941.5; 21-APR-2011 19:43:20; Dark ; 65.0; 75; 26Eps Sco ; 2.29; 4250;occ; 130; 0;47801
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