

GOMOS Daily Report 23-JUN-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	26JUN2011 07:04:36
Data source version	GOMOS/6.01
Start time of products	23JUN2011 00:00:59
Stop time of products	23JUN2011 23:56:28
Store outputs in DB	Yes
Nb of level 1b prods	275
Nb of prods with errors	1

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

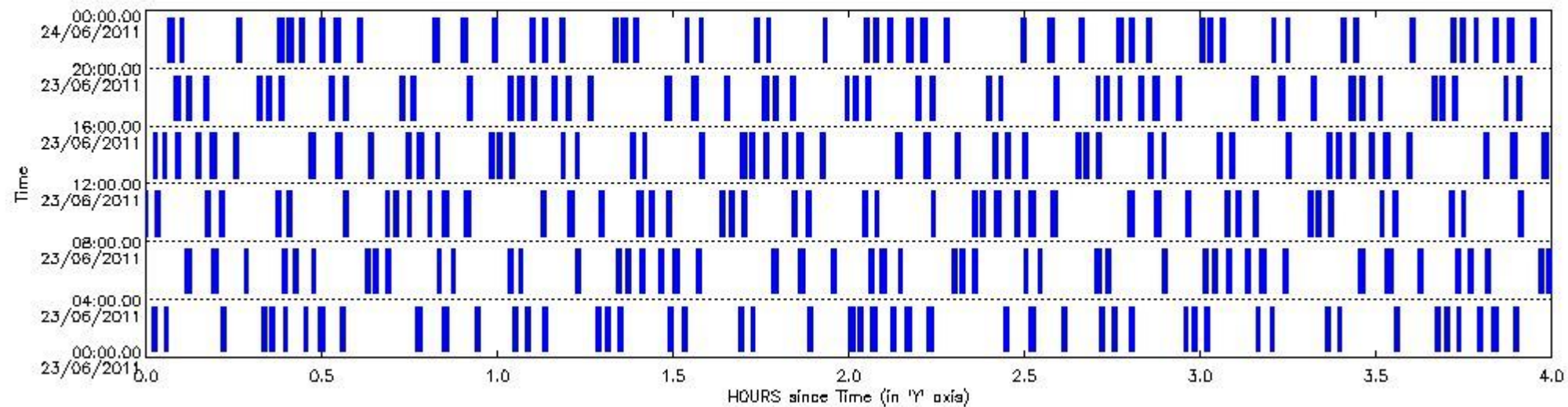
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

No missing products.

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_1PNPDE20110623_000059_000000433103_00404_48694_7742.N1	23-JUN-2011 00:00:59	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	48694	No
2	GOM_TRA_1PNPDE20110623_000258_000000393103_00404_48694_7743.N1	23-JUN-2011 00:02:58	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48694	No
3	GOM_TRA_1PNPDE20110623_001239_000000473103_00404_48694_7744.N1	23-JUN-2011 00:12:39	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48694	No
4	GOM_TRA_1PNPDE20110623_001937_000000503103_00404_48694_7745.N1	23-JUN-2011 00:19:37	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	48694	No
5	GOM_TRA_1PNPDE20110623_002109_000000463103_00404_48694_7746.N1	23-JUN-2011 00:21:09	Bright	46.000	68	18Alp Cas	2.2250	4500.0	92	48694	No
6	GOM_TRA_1PNPDE20110623_002328_000000343103_00404_48694_7747.N1	23-JUN-2011 00:23:28	Bright	34.000	160	23Gam Per	2.9300	4700.0	68	48694	No
7	GOM_TRA_1PNPDE20110623_002652_000000453103_00404_48694_7748.N1	23-JUN-2011 00:26:52	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48694	No
8	GOM_TRA_1PNPDE20110623_002916_000000643103_00404_48694_7749.N1	23-JUN-2011 00:29:16	Twilight_stray	63.500	53	43Bet And	2.0480	3300.0	127	48694	No
9	GOM_TRA_1PNPDE20110623_003308_000000543103_00404_48694_7750.N1	23-JUN-2011 00:33:08	Dark	53.500	50	13Alp Ari	2.0070	4250.0	107	48694	No
10	GOM_TRA_1PNPDE20110623_005034_000000653103_00404_48694_7765.N1	23-JUN-2011 00:50:34	Dark	64.500	52	16Bet Cet	2.0370	4500.0	129	48694	No
11	GOM_TRA_1PNPDE20110623_005608_000000463103_00404_48694_7766.N1	23-JUN-2011 00:56:08	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48694	No
12	GOM_TRA_1PNPDE20110623_010235_000000553103_00405_48695_7767.N1	23-JUN-2011 01:02:35	Dark	55.000	63	Bet Gru	2.1500	2800.0	110	48695	No

13	GOM_TRA_1PNPDE20110623_010436_000000483103_00405_48695_7768.N1	23-JUN-2011 01:04:36	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48695	No
14	GOM_TRA_1PNPDE20110623_010741_000000423103_00405_48695_7769.N1	23-JUN-2011 01:07:41	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48695	No
15	GOM_TRA_1PNPDE20110623_011652_000000473103_00405_48695_7770.N1	23-JUN-2011 01:16:52	Twilight_stray	47.000	38	20Eps Sgr	1.8360	11000.	94	48695	No
16	GOM_TRA_1PNPDE20110623_011817_000000493103_00405_48695_7771.N1	23-JUN-2011 01:18:17	Bright	48.500	116	19Del Sgr	2.7000	4100.0	97	48695	No
17	GOM_TRA_1PNPDE20110623_012025_000000503103_00405_48695_7772.N1	23-JUN-2011 01:20:25	Bright	49.500	155	41Pi Sgr	2.9000	6600.0	99	48695	No
18	GOM_TRA_1PNPDE20110623_012913_000000403103_00405_48695_7773.N1	23-JUN-2011 01:29:13	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48695	No
19	GOM_TRA_1PNPDE20110623_013136_000000393103_00405_48695_7774.N1	23-JUN-2011 01:31:36	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48695	No
20	GOM_TRA_1PNPDE20110623_014112_000000473103_00405_48695_7775.N1	23-JUN-2011 01:41:12	Bright	47.000	5	3Alp Lyr	0.033000	11000.	94	48695	No
21	GOM_TRA_1PNPDE20110623_014312_000000363103_00405_48695_7776.N1	23-JUN-2011 01:43:12	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	48695	No
22	GOM_TRA_1PNPDE20110623_015252_000000453103_00405_48695_7777.N1	23-JUN-2011 01:52:52	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48695	No
23	GOM_TRA_1PNPDE20110623_015950_000000683103_00405_48695_7778.N1	23-JUN-2011 01:59:50	Bright	68.000	74	11Bet Cas	2.2680	6600.0	136	48695	No
24	GOM_TRA_1PNPDE20110623_020123_000000583103_00405_48695_7779.N1	23-JUN-2011 02:01:23	Bright	57.500	68	18Alp Cas	2.2250	4500.0	115	48695	No
25	GOM_TRA_1PNPDE20110623_020342_000000543103_00405_48695_7780.N1	23-JUN-2011 02:03:42	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	48695	No
26	GOM_TRA_1PNPDE20110623_020706_000000453103_00405_48695_7781.N1	23-JUN-2011 02:07:06	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48695	No
27	GOM_TRA_1PNPDE20110623_020930_000000613103_00405_48695_7782.N1	23-JUN-2011 02:09:30	Twilight_stray	61.000	53	43Bet And	2.0480	3300.0	122	48695	No
28	GOM_TRA_1PNPDE20110623_021322_000000533103_00405_48695_7783.N1	23-JUN-2011 02:13:22	Dark	53.000	50	13Alp Ari	2.0070	4250.0	106	48695	No
29	GOM_TRA_1PNPDE20110623_023050_000000633103_00405_48695_7785.N1	23-JUN-2011 02:30:50	Dark	63.000	52	16Bet Cet	2.0370	4500.0	126	48695	No
30	GOM_TRA_1PNPDE20110623_023623_000000463103_00405_48695_7786.N1	23-JUN-2011 02:36:23	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48695	No
31	GOM_TRA_1PNPDE20110623_024250_000000523103_00406_48696_7787.N1	23-JUN-2011 02:42:50	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48696	No
32	GOM_TRA_1PNPDE20110623_024451_000000513103_00406_48696_7788.N1	23-JUN-2011 02:44:51	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	48696	No
33	GOM_TRA_1PNPDE20110623_024756_000000403103_00406_48696_7789.N1	23-JUN-2011 02:47:56	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	48696	No
34	GOM_TRA_1PNPDE20110623_025706_000000453103_00406_48696_7790.N1	23-JUN-2011 02:57:06	Twilight_stray	45.000	38	20Eps Sgr	1.8360	11000.	90	48696	No
35	GOM_TRA_1PNPDE20110623_025831_000000493103_00406_48696_7791.N1	23-JUN-2011 02:58:31	Bright	49.000	116	19Del Sgr	2.7000	4100.0	98	48696	No
36	GOM_TRA_1PNPDE20110623_030040_000000513103_00406_48696_7792.N1	23-JUN-2011 03:00:40	Bright	50.500	155	41Pi Sgr	2.9000	6600.0	101	48696	No
37	GOM_TRA_1PNPDE20110623_030927_000000403103_00406_48696_7793.N1	23-JUN-2011 03:09:27	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48696	No
38	GOM_TRA_1PNPDE20110623_031150_000000413103_00406_48696_7794.N1	23-JUN-2011 03:11:50	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48696	No
39	GOM_TRA_1PNPDE20110623_032125_000000493103_00406_48696_7795.N1	23-JUN-2011 03:21:25	Bright	48.500	5	3Alp Lyr	0.033000	11000.	97	48696	No
40	GOM_TRA_1PNPDE20110623_032326_000000403103_00406_48696_7796.N1	23-JUN-2011 03:23:26	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48696	No
41	GOM_TRA_1PNPDE20110623_033305_000000453103_00406_48696_7797.N1	23-JUN-2011 03:33:05	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48696	No
42	GOM_TRA_1PNPDE20110623_034004_000000443103_00406_48696_7810.N1	23-JUN-2011 03:40:04	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	48696	No
43	GOM_TRA_1PNPDE20110623_034136_000000473103_00406_48696_7811.N1	23-JUN-2011 03:41:36	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	48696	No
44	GOM_TRA_1PNPDE20110623_034356_000000353103_00406_48696_7812.N1	23-JUN-2011 03:43:56	Bright	35.000	160	23Gam Per	2.9300	4700.0	70	48696	No
45	GOM_TRA_1PNPDE20110623_034720_000000433103_00406_48696_7813.N1	23-JUN-2011 03:47:20	Bright	43.000	73	57Gam1And	2.2600	13100.	86	48696	No
46	GOM_TRA_1PNPDE20110623_034944_000000593103_00406_48696_7814.N1	23-JUN-2011 03:49:44	Twilight_stray	59.000	53	43Bet And	2.0480	3300.0	118	48696	No
47	GOM_TRA_1PNPDE20110623_035337_000000493103_00406_48696_7815.N1	23-JUN-2011 03:53:37	Dark	49.000	50	13Alp Ari	2.0070	4250.0	98	48696	No
48	GOM_TRA_1PNPDE20110623_041105_000000663103_00406_48696_7816.N1	23-JUN-2011 04:11:05	Dark	66.000	52	16Bet Cet	2.0370	4500.0	132	48696	No
49	GOM_TRA_1PNPDE20110623_041638_000000473103_00406_48696_7817.N1	23-JUN-2011 04:16:38	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	48696	No
50	GOM_TRA_1PNPDE20110623_042305_000000533103_00407_48697_7818.N1	23-JUN-2011 04:23:05	Dark	53.000	63	Bet Gru	2.1500	2800.0	106	48697	No
51	GOM_TRA_1PNPDE20110623_042506_000000503103_00407_48697_7819.N1	23-JUN-2011 04:25:06	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48697	No
52	GOM_TRA_1PNPDE20110623_042810_000000413103_00407_48697_7820.N1	23-JUN-2011 04:28:10	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48697	No
53	GOM_TRA_1PNPDE20110623_043720_000000463103_00407_48697_7821.N1	23-JUN-2011 04:37:20	Twilight_stray	46.000	38	20Eps Sgr	1.8360	11000.	92	48697	No
54	GOM_TRA_1PNPDE20110623_043845_000000493103_00407_48697_7822.N1	23-JUN-2011 04:38:45	Bright	49.000	116	19Del Sgr	2.7000	4100.0	98	48697	No
55	GOM_TRA_1PNPDE20110623_044054_000000513103_00407_48697_7823.N1	23-JUN-2011 04:40:54	Bright	50.500	155	41Pi Sgr	2.9000	6600.0	101	48697	No
56	GOM_TRA_1PNPDE20110623_044941_000000403103_00407_48697_7824.N1	23-JUN-2011 04:49:41	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	48697	No
57	GOM_TRA_1PNPDE20110623_045204_000000393103_00407_48697_7825.N1	23-JUN-2011 04:52:04	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48697	No
58	GOM_TRA_1PNPDE20110623_050139_000000513103_00407_48697_7826.N1	23-JUN-2011 05:01:39	Bright	50.500	5	3Alp Lyr	0.033000	11000.	101	48697	No
59	GOM_TRA_1PNPDE20110623_050339_000000393103_00407_48697_7827.N1	23-JUN-2011 05:03:39	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	48697	No
60	GOM_TRA_1PNPDE20110623_051318_000000443103_00407_48697_7828.N1	23-JUN-2011 05:13:18	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	48697	No
61	GOM_TRA_1PNPDE20110623_052017_000000503103_00407_48697_7835.N1	23-JUN-2011 05:20:17	Bright	50.000	74	11Bet Cas	2.2680	6600.0	100	48697	No
62	GOM_TRA_1PNPDE20110623_052150_000000443103_00407_48697_7836.N1	23-JUN-2011 05:21:50	Bright	43.500	68	18Alp Cas	2.2250	4500.0	87	48697	No
63	GOM_TRA_1PNPDE20110623_052410_000000543103_00407_48697_7837.N1	23-JUN-2011 05:24:10	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	48697	No
64	GOM_TRA_1PNPDE20110623_052734_000000453103_00407_48697_7838.N1	23-JUN-2011 05:27:34	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48697	No
65	GOM_TRA_1PNPDE20110623_052958_000000613103_00407_48697_7839.N1	23-JUN-2011 05:29:58	Twilight_stray	60.500	53	43Bet And	2.0480	3300.0	121	48697	No
66	GOM_TRA_1PNPDE20110623_053351_000000523103_00407_48697_7840.N1	23-JUN-2011 05:33:51	Dark	51.500	50	13Alp Ari	2.0070	4250.0	103	48697	No
67	GOM_TRA_1PNPDE20110623_055121_000000633103_00407_48697_7841.N1	23-JUN-2011 05:51:21	Dark	62.500	52	16Bet Cet	2.0370	4500.0	125	48697	No
68	GOM_TRA_1PNPDE20110623_055653_000000473103_00407_48697_7842.N1	23-JUN-2011 05:56:53	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48697	No
69	GOM_TRA_1PNPDE20110623_060320_000000563103_00408_48698_7843.N1	23-JUN-2011 06:03:20	Dark	56.000	63	Bet Gru	2.1500	2800.0	112	48698	No
70	GOM_TRA_1PNPDE20110623_060521_000000513103_00408_48698_7844.N1	23-JUN-2011 06:05:21	Straylight	51.000	31	Alp Gru	1.7340	15200.	102	48698	No
71	GOM_TRA_1PNPDE20110623_060825_000000423103_00408_48698_7845.N1	23-JUN-2011 06:08:25	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48698	No

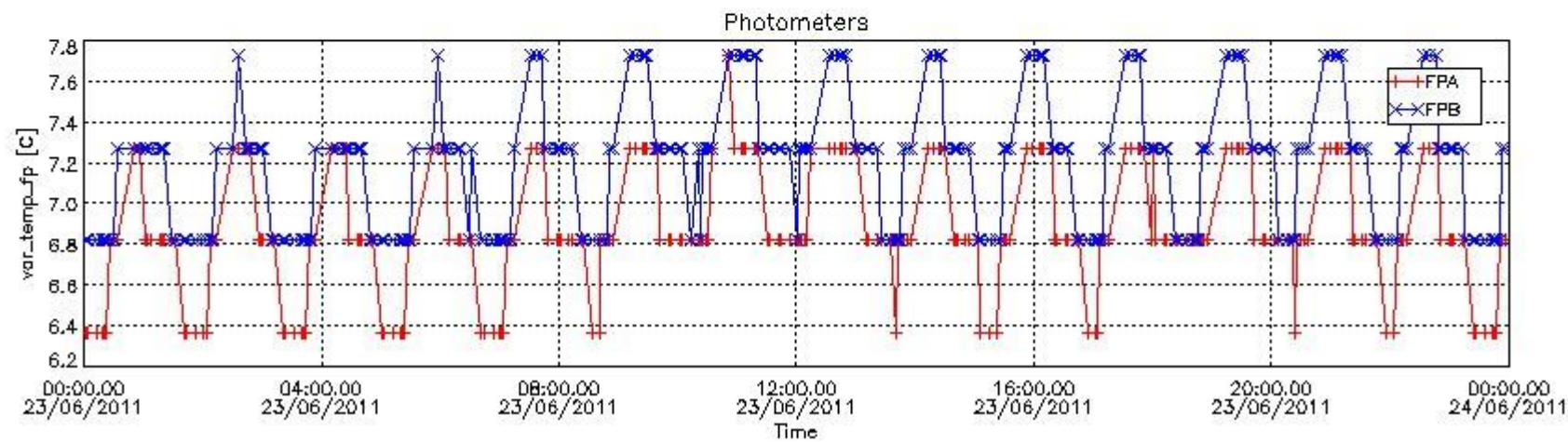
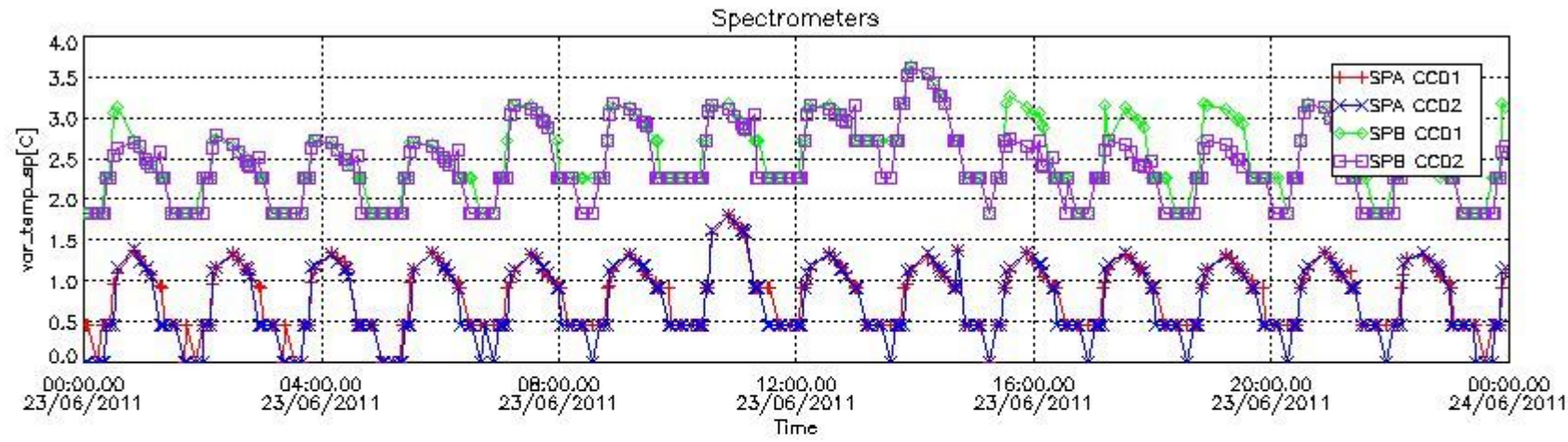
72	GOM_TRA_1PNPDE20110623_061735_000000473103_00408_48698_7846.N1	23-JUN-2011 06:17:35	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	48698	No
73	GOM_TRA_1PNPDE20110623_061900_000000483103_00408_48698_7847.N1	23-JUN-2011 06:19:00	Bright	48.000	116	19Del Sgr	2.7000	4100.0	96	48698	No
74	GOM_TRA_1PNPDE20110623_062108_000000503103_00408_48698_7848.N1	23-JUN-2011 06:21:08	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48698	No
75	GOM_TRA_1PNPDE20110623_062954_000000403103_00408_48698_7849.N1	23-JUN-2011 06:29:54	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48698	No
76	GOM_TRA_1PNPDE20110623_063218_000000413103_00408_48698_7850.N1	23-JUN-2011 06:32:18	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48698	No
77	GOM_TRA_1PNPDE20110623_064152_000000643103_00408_48698_7851.N1	23-JUN-2011 06:41:52	Bright	63.500	5	3Alp Lyr	0.033000	11000.	127	48698	No
78	GOM_TRA_1PNPDE20110623_064353_000000393103_00408_48698_7852.N1	23-JUN-2011 06:43:53	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	48698	No
79	GOM_TRA_1PNPDE20110623_065332_000000463103_00408_48698_7853.N1	23-JUN-2011 06:53:32	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48698	No
80	GOM_TRA_1PNPDK20110623_070031_000000473103_00408_48698_7766.N1	23-JUN-2011 07:00:31	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	48698	No
81	GOM_TRA_1PNPDK20110623_070204_000000513103_00408_48698_7767.N1	23-JUN-2011 07:02:04	Bright	51.000	68	18Alp Cas	2.2250	4500.0	102	48698	No
82	GOM_TRA_1PNPDK20110623_070424_000000543103_00408_48698_7768.N1	23-JUN-2011 07:04:24	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	48698	No
83	GOM_TRA_1PNPDK20110623_070748_000000453103_00408_48698_7769.N1	23-JUN-2011 07:07:48	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48698	No
84	GOM_TRA_1PNPDK20110623_071012_000000623103_00408_48698_7770.N1	23-JUN-2011 07:10:12	Twilight	62.000	53	43Bet And	2.0480	3300.0	124	48698	No
85	GOM_TRA_1PNPDK20110623_071405_000000543103_00408_48698_7771.N1	23-JUN-2011 07:14:05	Dark	53.500	50	13Alp Ari	2.0070	4250.0	107	48698	No
86	GOM_TRA_1PNPDK20110623_073136_000000733103_00408_48698_7772.N1	23-JUN-2011 07:31:36	Dark	72.500	52	16Bet Cet	2.0370	4500.0	145	48698	No
87	GOM_TRA_1PNPDK20110623_073708_000000563103_00408_48698_7773.N1	23-JUN-2011 07:37:08	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	48698	No
88	GOM_TRA_1PNPDK20110623_074335_000000533103_00409_48699_7774.N1	23-JUN-2011 07:43:35	Dark	52.500	63	Bet Gru	2.1500	2800.0	105	48699	No
89	GOM_TRA_1PNPDK20110623_074536_000000503103_00409_48699_7775.N1	23-JUN-2011 07:45:36	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48699	No
90	GOM_TRA_1PNPDK20110623_074839_000000443103_00409_48699_7776.N1	23-JUN-2011 07:48:39	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48699	No
91	GOM_TRA_1PNPDK20110623_075749_000000473103_00409_48699_7777.N1	23-JUN-2011 07:57:49	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	48699	No
92	GOM_TRA_1PNPDK20110623_075914_000000543103_00409_48699_7778.N1	23-JUN-2011 07:59:14	Bright	54.000	116	19Del Sgr	2.7000	4100.0	108	48699	No
93	GOM_TRA_1PNPDK20110623_080122_000000503103_00409_48699_7779.N1	23-JUN-2011 08:01:22	Bright	49.500	155	41Pi Sgr	2.9000	6600.0	99	48699	No
94	GOM_TRA_1PNPDK20110623_081008_000000403103_00409_48699_7794.N1	23-JUN-2011 08:10:08	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	48699	No
95	GOM_TRA_1PNPDK20110623_081232_000000393103_00409_48699_7795.N1	23-JUN-2011 08:12:32	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48699	No
96	GOM_TRA_1PNPDK20110623_082206_000000493103_00409_48699_7796.N1	23-JUN-2011 08:22:06	Bright	49.000	5	3Alp Lyr	0.033000	11000.	98	48699	No
97	GOM_TRA_1PNPDK20110623_082407_000000403103_00409_48699_7797.N1	23-JUN-2011 08:24:07	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	48699	No
98	GOM_TRA_1PNPDK20110623_083345_000000473103_00409_48699_7798.N1	23-JUN-2011 08:33:45	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48699	No
99	GOM_TRA_1PNPDK20110623_084044_000000483103_00409_48699_7799.N1	23-JUN-2011 08:40:44	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	48699	No
100	GOM_TRA_1PNPDK20110623_084217_000000473103_00409_48699_7800.N1	23-JUN-2011 08:42:17	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	48699	No
101	GOM_TRA_1PNPDK20110623_084438_000000373103_00409_48699_7801.N1	23-JUN-2011 08:44:38	Bright	37.000	160	23Gam Per	2.9300	4700.0	74	48699	No
102	GOM_TRA_1PNPDK20110623_084802_000000433103_00409_48699_7802.N1	23-JUN-2011 08:48:02	Bright	43.000	73	57Gam1And	2.2600	13100.	86	48699	No
103	GOM_TRA_1PNPDK20110623_085026_000000643103_00409_48699_7803.N1	23-JUN-2011 08:50:26	Twilight	63.500	53	43Bet And	2.0480	3300.0	127	48699	No
104	GOM_TRA_1PNPDK20110623_085419_000000553103_00409_48699_7804.N1	23-JUN-2011 08:54:19	Dark	55.000	50	13Alp Ari	2.0070	4250.0	110	48699	No
105	GOM_TRA_1PNPDK20110623_091151_000000723103_00409_48699_7805.N1	23-JUN-2011 09:11:51	Dark	71.500	52	16Bet Cet	2.0370	4500.0	143	48699	No
106	GOM_TRA_1PNPDK20110623_091723_000000463103_00409_48699_7806.N1	23-JUN-2011 09:17:23	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48699	No
107	GOM_TRA_1PNPDK20110623_092350_000000593103_00410_48700_7807.N1	23-JUN-2011 09:23:50	Dark	59.000	63	Bet Gru	2.1500	2800.0	118	48700	No
108	GOM_TRA_1PNPDK20110623_092551_000000513103_00410_48700_7808.N1	23-JUN-2011 09:25:51	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	48700	No
109	GOM_TRA_1PNPDK20110623_092854_000000503103_00410_48700_7809.N1	23-JUN-2011 09:28:54	Straylight	49.500	45	Alp Pav	1.9400	26000.	99	48700	No
110	GOM_TRA_1PNPDK20110623_093804_000000473103_00410_48700_7810.N1	23-JUN-2011 09:38:04	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	48700	No
111	GOM_TRA_1PNPDK20110623_093928_000000583103_00410_48700_7811.N1	23-JUN-2011 09:39:28	Bright	58.000	116	19Del Sgr	2.7000	4100.0	116	48700	No
112	GOM_TRA_1PNPDK20110623_094137_000000493103_00410_48700_7812.N1	23-JUN-2011 09:41:37	Bright	48.500	155	41Pi Sgr	2.9000	6600.0	97	48700	No
113	GOM_TRA_1PNPDK20110623_095022_000000413103_00410_48700_7815.N1	23-JUN-2011 09:50:22	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	48700	No
114	GOM_TRA_1PNPDK20110623_095245_000000413103_00410_48700_7816.N1	23-JUN-2011 09:52:45	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	48700	No
115	GOM_TRA_1PNPDK20110623_100218_000000513103_00410_48700_7817.N1	23-JUN-2011 10:02:18	Bright	51.000	5	3Alp Lyr	0.033000	11000.	102	48700	No
116	GOM_TRA_1PNPDK20110623_100421_000000413103_00410_48700_7818.N1	23-JUN-2011 10:04:21	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	48700	No
117	GOM_TRA_1PNPDK20110623_101358_000000473103_00410_48700_7819.N1	23-JUN-2011 10:13:58	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48700	No
118	GOM_TRA_1PNPDK20110623_102058_000000473103_00410_48700_7820.N1	23-JUN-2011 10:20:58	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	48700	No
119	GOM_TRA_1PNPDK20110623_102231_000000473103_00410_48700_7821.N1	23-JUN-2011 10:22:31	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	48700	No
120	GOM_TRA_1PNPDK20110623_102452_000000543103_00410_48700_7822.N1	23-JUN-2011 10:24:52	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	48700	No
121	GOM_TRA_1PNPDK20110623_102815_000000453103_00410_48700_7823.N1	23-JUN-2011 10:28:15	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48700	No
122	GOM_TRA_1PNPDK20110623_103040_000000643103_00410_48700_7824.N1	23-JUN-2011 10:30:40	Twilight	64.000	53	43Bet And	2.0480	3300.0	128	48700	No
123	GOM_TRA_1PNPDK20110623_103434_000000533103_00410_48700_7825.N1	23-JUN-2011 10:34:34	Dark	52.500	50	13Alp Ari	2.0070	4250.0	105	48700	No
124	GOM_TRA_1PNPDK20110623_105207_000000683103_00410_48700_7826.N1	23-JUN-2011 10:52:07	Dark	68.000	52	16Bet Cet	2.0370	4500.0	136	48700	No
125	GOM_TRA_1PNPDK20110623_105738_000000463103_00410_48700_7827.N1	23-JUN-2011 10:57:38	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48700	No
126	GOM_TRA_1PNPDK20110623_110405_000000533103_00411_48701_7828.N1	23-JUN-2011 11:04:05	Dark	52.500	63	Bet Gru	2.1500	2800.0	105	48701	No
127	GOM_TRA_1PNPDK20110623_110606_000000493103_00411_48701_7829.N1	23-JUN-2011 11:06:06	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48701	No
128	GOM_TRA_1PNPDK20110623_110908_000000423103_00411_48701_7830.N1	23-JUN-2011 11:09:08	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48701	No
129	GOM_TRA_1PNPDK20110623_111818_000000473103_00411_48701_7831.N1	23-JUN-2011 11:18:18	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	48701	No
130	GOM_TRA_1PNPDK20110623_111942_000000463103_00411_48701_7832.N1	23-JUN-2011 11:19:42	Bright	45.500	116	19Del Sgr	2.7000	4100.0	91	48701	No

131	GOM_TRA_1PNPDK20110623_112151_000000493103_00411_48701_7833.N1	23-JUN-2011 11:21:51	Bright	48.500	155	41Pi Sgr	2.9000	6600.0	97	48701	No
132	GOM_TRA_1PNPDK20110623_113036_000000403103_00411_48701_7843.N1	23-JUN-2011 11:30:36	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	48701	No
133	GOM_TRA_1PNPDK20110623_113259_000000383103_00411_48701_7844.N1	23-JUN-2011 11:32:59	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	48701	No
134	GOM_TRA_1PNPDK20110623_114232_000000503103_00411_48701_7845.N1	23-JUN-2011 11:42:32	Bright	49.500	5	3Alp Lyr	0.033000	11000.	99	48701	No
135	GOM_TRA_1PNPDK20110623_114434_000000393103_00411_48701_7846.N1	23-JUN-2011 11:44:34	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48701	No
136	GOM_TRA_1PNPDK20110623_115412_000000473103_00411_48701_7847.N1	23-JUN-2011 11:54:12	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48701	No
137	GOM_TRA_1PNPDK20110623_120111_000000433103_00411_48701_7848.N1	23-JUN-2011 12:01:11	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	48701	No
138	GOM_TRA_1PNPDK20110623_120245_000000443103_00411_48701_7849.N1	23-JUN-2011 12:02:45	Bright	44.000	68	18Alp Cas	2.2250	4500.0	88	48701	No
139	GOM_TRA_1PNPDK20110623_120506_000000363103_00411_48701_7850.N1	23-JUN-2011 12:05:06	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	48701	No
140	GOM_TRA_1PNPDK20110623_120829_000000453103_00411_48701_7851.N1	23-JUN-2011 12:08:29	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48701	No
141	GOM_TRA_1PNPDK20110623_121054_000000643103_00411_48701_7852.N1	23-JUN-2011 12:10:54	Tw_i_and_stray	63.500	53	43Bet And	2.0480	3300.0	127	48701	No
142	GOM_TRA_1PNPDK20110623_121448_000000503103_00411_48701_7853.N1	23-JUN-2011 12:14:48	Dark	50.000	50	13Alp Ari	2.0070	4250.0	100	48701	No
143	GOM_TRA_1PNPDK20110623_123222_000000673103_00411_48701_7854.N1	23-JUN-2011 12:32:22	Dark	67.000	52	16Bet Cet	2.0370	4500.0	134	48701	No
144	GOM_TRA_1PNPDK20110623_123753_000000563103_00411_48701_7855.N1	23-JUN-2011 12:37:53	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	48701	No
145	GOM_TRA_1PNPDK20110623_124419_000000493103_00412_48702_7856.N1	23-JUN-2011 12:44:19	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	48702	No
146	GOM_TRA_1PNPDK20110623_124621_000000513103_00412_48702_7857.N1	23-JUN-2011 12:46:21	Straylight	51.000	31	Alp Gru	1.7340	15200.	102	48702	No
147	GOM_TRA_1PNPDK20110623_124923_000000443103_00412_48702_7858.N1	23-JUN-2011 12:49:23	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48702	No
148	GOM_TRA_1PNPDK20110623_125832_000000473103_00412_48702_7859.N1	23-JUN-2011 12:58:32	Tw_i_and_stray	47.000	38	20Eps Sgr	1.8360	11000.	94	48702	No
149	GOM_TRA_1PNPDK20110623_125956_000000483103_00412_48702_7860.N1	23-JUN-2011 12:59:56	Bright	48.000	116	19Del Sgr	2.7000	4100.0	96	48702	No
150	GOM_TRA_1PNPDK20110623_130205_000000503103_00412_48702_7861.N1	23-JUN-2011 13:02:05	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48702	No
151	GOM_TRA_1PNPDK20110623_131050_000000403103_00412_48702_7859.N1	23-JUN-2011 13:10:50	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48702	No
152	GOM_TRA_1PNPDK20110623_131313_000000393103_00412_48702_7860.N1	23-JUN-2011 13:13:13	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48702	No
153	GOM_TRA_1PNPDK20110623_132245_000000473103_00412_48702_7861.N1	23-JUN-2011 13:22:45	Bright	47.000	5	3Alp Lyr	0.033000	11000.	94	48702	No
154	GOM_TRA_1PNPDK20110623_132448_000000403103_00412_48702_7862.N1	23-JUN-2011 13:24:48	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	48702	No
155	GOM_TRA_1PNPDK20110623_133425_000000473103_00412_48702_7863.N1	23-JUN-2011 13:34:25	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48702	No
156	GOM_TRA_1PNPDK20110623_134125_000000573103_00412_48702_7864.N1	23-JUN-2011 13:41:25	Bright	57.000	74	11Bet Cas	2.2680	6600.0	114	48702	No
157	GOM_TRA_1PNPDK20110623_134258_000000483103_00412_48702_7865.N1	23-JUN-2011 13:42:58	Bright	47.500	68	18Alp Cas	2.2250	4500.0	95	48702	No
158	GOM_TRA_1PNPDK20110623_134520_000000543103_00412_48702_7866.N1	23-JUN-2011 13:45:20	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	48702	No
159	GOM_TRA_1PNPDK20110623_134843_000000453103_00412_48702_7867.N1	23-JUN-2011 13:48:43	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48702	No
160	GOM_TRA_1PNPDK20110623_135108_000000673103_00412_48702_7868.N1	23-JUN-2011 13:51:08	Tw_i_and_stray	66.500	53	43Bet And	2.0480	3300.0	133	48702	No
161	GOM_TRA_1PNPDK20110623_135502_000000513103_00412_48702_7869.N1	23-JUN-2011 13:55:02	Dark	50.500	50	13Alp Ari	2.0070	4250.0	101	48702	No
162	GOM_TRA_1PNPDK20110623_141237_000000693103_00412_48702_7870.N1	23-JUN-2011 14:12:37	Dark	69.000	52	16Bet Cet	2.0370	4500.0	138	48702	No
163	GOM_TRA_1PNPDK20110623_141807_000000483103_00412_48702_7871.N1	23-JUN-2011 14:18:07	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48702	No
164	GOM_TRA_1PNPDK20110623_142434_000000523103_00413_48703_7872.N1	23-JUN-2011 14:24:34	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48703	No
165	GOM_TRA_1PNPDK20110623_142636_000000493103_00413_48703_7873.N1	23-JUN-2011 14:26:36	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48703	No
166	GOM_TRA_1PNPDK20110623_142937_000000423103_00413_48703_7874.N1	23-JUN-2011 14:29:37	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48703	No
167	GOM_TRA_1PNPDK20110623_143846_000000463103_00413_48703_7875.N1	23-JUN-2011 14:38:46	Tw_i_and_stray	45.500	38	20Eps Sgr	1.8360	11000.	91	48703	No
168	GOM_TRA_1PNPDK20110623_144011_000000473103_00413_48703_7876.N1	23-JUN-2011 14:40:11	Bright	47.000	116	19Del Sgr	2.7000	4100.0	94	48703	No
169	GOM_TRA_1PNPDK20110623_144219_000000503103_00413_48703_7881.N1	23-JUN-2011 14:42:19	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48703	Yes
170	GOM_TRA_1PNPDK20110623_145104_000000413103_00413_48703_7882.N1	23-JUN-2011 14:51:04	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	48703	No
171	GOM_TRA_1PNPDK20110623_145327_000000393103_00413_48703_7883.N1	23-JUN-2011 14:53:27	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48703	No
172	GOM_TRA_1PNPDK20110623_150258_000000493103_00413_48703_7884.N1	23-JUN-2011 15:02:58	Bright	48.500	5	3Alp Lyr	0.033000	11000.	97	48703	No
173	GOM_TRA_1PNPDK20110623_150501_000000413103_00413_48703_7885.N1	23-JUN-2011 15:05:01	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	48703	No
174	GOM_TRA_1PNPDK20110623_151438_000000483103_00413_48703_7886.N1	23-JUN-2011 15:14:38	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48703	No
175	GOM_TRA_1PNPDK20110623_152139_000000473103_00413_48703_7887.N1	23-JUN-2011 15:21:39	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	48703	No
176	GOM_TRA_1PNPDK20110623_152312_000000463103_00413_48703_7888.N1	23-JUN-2011 15:23:12	Bright	45.500	68	18Alp Cas	2.2250	4500.0	91	48703	No
177	GOM_TRA_1PNPDK20110623_152534_000000543103_00413_48703_7889.N1	23-JUN-2011 15:25:34	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	48703	No
178	GOM_TRA_1PNPDK20110623_152857_000000453103_00413_48703_7890.N1	23-JUN-2011 15:28:57	Bright	45.000	73	57Gam1And	2.2600	13100.	90	48703	No
179	GOM_TRA_1PNPDK20110623_153122_000000593103_00413_48703_7891.N1	23-JUN-2011 15:31:22	Tw_i_and_stray	59.000	53	43Bet And	2.0480	3300.0	118	48703	No
180	GOM_TRA_1PNPDK20110623_153516_000000523103_00413_48703_7892.N1	23-JUN-2011 15:35:16	Dark	51.500	50	13Alp Ari	2.0070	4250.0	103	48703	No
181	GOM_TRA_1PNPDK20110623_155253_000000653103_00413_48703_7893.N1	23-JUN-2011 15:52:53	Dark	64.500	52	16Bet Cet	2.0370	4500.0	129	48703	No
182	GOM_TRA_1PNPDK20110623_155822_000000593103_00413_48703_7894.N1	23-JUN-2011 15:58:22	Dark	59.000	84	Alp Phe	2.3970	4500.0	118	48703	No
183	GOM_TRA_1PNPDK20110623_160450_000000523103_00414_48704_7895.N1	23-JUN-2011 16:04:50	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48704	No
184	GOM_TRA_1PNPDK20110623_160651_000000503103_00414_48704_7896.N1	23-JUN-2011 16:06:51	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	48704	No
185	GOM_TRA_1PNPDK20110623_160952_000000413103_00414_48704_7897.N1	23-JUN-2011 16:09:52	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48704	No
186	GOM_TRA_1PNPDK20110623_161900_000000463103_00414_48704_7898.N1	23-JUN-2011 16:19:00	Tw_i_and_stray	46.000	38	20Eps Sgr	1.8360	11000.	92	48704	No
187	GOM_TRA_1PNPDK20110623_162025_000000513103_00414_48704_7896.N1	23-JUN-2011 16:20:25	Bright	50.500	116	19Del Sgr	2.7000	4100.0	101	48704	No
188	GOM_TRA_1PNPDK20110623_162233_000000503103_00414_48704_7897.N1	23-JUN-2011 16:22:33	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48704	No
189	GOM_TRA_1PNPDK20110623_163118_000000403103_00414_48704_7898.N1	23-JUN-2011 16:31:18	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48704	No

190	GOM_TRA_1PNPDK20110623_163341_000000413103_00414_48704_7899.N1	23-JUN-2011 16:33:41	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	48704	No
191	GOM_TRA_1PNPDK20110623_164312_000000493103_00414_48704_7900.N1	23-JUN-2011 16:43:12	Bright	49.000	5	3Alp Lyr	0.033000	11000.	98	48704	No
192	GOM_TRA_1PNPDK20110623_164515_000000393103_00414_48704_7901.N1	23-JUN-2011 16:45:15	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	48704	No
193	GOM_TRA_1PNPDK20110623_165451_000000473103_00414_48704_7902.N1	23-JUN-2011 16:54:51	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48704	No
194	GOM_TRA_1PNPDK20110623_170152_000000463103_00414_48704_7903.N1	23-JUN-2011 17:01:52	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	48704	No
195	GOM_TRA_1PNPDK20110623_170325_000000673103_00414_48704_7904.N1	23-JUN-2011 17:03:25	Bright	67.000	68	18Alp Cas	2.2250	4500.0	134	48704	No
196	GOM_TRA_1PNPDK20110623_170548_000000543103_00414_48704_7905.N1	23-JUN-2011 17:05:48	Bright	53.500	160	23Gam Per	2.9300	4700.0	107	48704	No
197	GOM_TRA_1PNPDK20110623_170911_000000463103_00414_48704_7906.N1	23-JUN-2011 17:09:11	Bright	46.000	73	57Gam1And	2.2600	13100.	92	48704	No
198	GOM_TRA_1PNPDK20110623_171136_000000613103_00414_48704_7907.N1	23-JUN-2011 17:11:36	Twilight	60.500	53	43Bet And	2.0480	3300.0	121	48704	No
199	GOM_TRA_1PNPDK20110623_171531_000000523103_00414_48704_7908.N1	23-JUN-2011 17:15:31	Dark	51.500	50	13Alp Ari	2.0070	4250.0	103	48704	No
200	GOM_TRA_1PNPDK20110623_173308_000000623103_00414_48704_7909.N1	23-JUN-2011 17:33:08	Dark	62.000	52	16Bet Cet	2.0370	4500.0	124	48704	No
201	GOM_TRA_1PNPDK20110623_173837_000000573103_00414_48704_7910.N1	23-JUN-2011 17:38:37	Dark	56.500	84	Alp Phe	2.3970	4500.0	113	48704	No
202	GOM_TRA_1PNPDK20110623_174505_000000663103_00415_48705_7911.N1	23-JUN-2011 17:45:05	Dark	66.000	63	Bet Gru	2.1500	2800.0	132	48705	No
203	GOM_TRA_1PNPDK20110623_174706_000000483103_00415_48705_7912.N1	23-JUN-2011 17:47:06	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48705	No
204	GOM_TRA_1PNPDK20110623_175007_000000413103_00415_48705_7913.N1	23-JUN-2011 17:50:07	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48705	No
205	GOM_TRA_1PNPDK20110623_175915_000000463103_00415_48705_7917.N1	23-JUN-2011 17:59:15	Twilight	46.000	38	20Eps Sgr	1.8360	11000.	92	48705	No
206	GOM_TRA_1PNPDK20110623_180039_000000483103_00415_48705_7918.N1	23-JUN-2011 18:00:39	Bright	48.000	116	19Del Sgr	2.7000	4100.0	96	48705	No
207	GOM_TRA_1PNPDK20110623_180248_000000493103_00415_48705_7919.N1	23-JUN-2011 18:02:48	Bright	49.000	155	41Pi Sgr	2.9000	6600.0	98	48705	No
208	GOM_TRA_1PNPDK20110623_181132_000000403103_00415_48705_7920.N1	23-JUN-2011 18:11:32	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48705	No
209	GOM_TRA_1PNPDK20110623_181355_000000393103_00415_48705_7921.N1	23-JUN-2011 18:13:55	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48705	No
210	GOM_TRA_1PNPDK20110623_182325_000000503103_00415_48705_7922.N1	23-JUN-2011 18:23:25	Bright	49.500	5	3Alp Lyr	0.033000	11000.	99	48705	No
211	GOM_TRA_1PNPDK20110623_182529_000000393103_00415_48705_7923.N1	23-JUN-2011 18:25:29	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48705	No
212	GOM_TRA_1PNPDK20110623_183505_000000453103_00415_48705_7924.N1	23-JUN-2011 18:35:05	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48705	No
213	GOM_TRA_1PNPDK20110623_184206_000000463103_00415_48705_7925.N1	23-JUN-2011 18:42:06	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	48705	No
214	GOM_TRA_1PNPDK20110623_184339_000000503103_00415_48705_7926.N1	23-JUN-2011 18:43:39	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	48705	No
215	GOM_TRA_1PNPDK20110623_184602_000000363103_00415_48705_7927.N1	23-JUN-2011 18:46:02	Bright	35.500	160	23Gam Per	2.9300	4700.0	71	48705	No
216	GOM_TRA_1PNPDK20110623_184926_000000463103_00415_48705_7928.N1	23-JUN-2011 18:49:26	Bright	46.000	73	57Gam1And	2.2600	13100.	92	48705	No
217	GOM_TRA_1PNPDK20110623_185150_000000613103_00415_48705_7929.N1	23-JUN-2011 18:51:50	Twilight	61.000	53	43Bet And	2.0480	3300.0	122	48705	No
218	GOM_TRA_1PNPDK20110623_185545_000000513103_00415_48705_7930.N1	23-JUN-2011 18:55:45	Dark	51.000	50	13Alp Ari	2.0070	4250.0	102	48705	No
219	GOM_TRA_1PNPDK20110623_191324_000000673103_00415_48705_7931.N1	23-JUN-2011 19:13:24	Dark	67.000	52	16Bet Cet	2.0370	4500.0	134	48705	No
220	GOM_TRA_1PNPDK20110623_191852_000000473103_00415_48705_7932.N1	23-JUN-2011 19:18:52	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48705	No
221	GOM_TRA_1PNPDK20110623_192519_000000643103_00416_48706_7933.N1	23-JUN-2011 19:25:19	Dark	64.000	63	Bet Gru	2.1500	2800.0	128	48706	No
222	GOM_TRA_1PNPDK20110623_192721_000000483103_00416_48706_7934.N1	23-JUN-2011 19:27:21	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48706	No
223	GOM_TRA_1PNPDK20110623_193021_000000423103_00416_48706_7935.N1	23-JUN-2011 19:30:21	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48706	No
224	GOM_TRA_1PNPDK20110623_193929_000000473103_00416_48706_7942.N1	23-JUN-2011 19:39:29	Twilight	46.500	38	20Eps Sgr	1.8360	11000.	93	48706	No
225	GOM_TRA_1PNPDK20110623_194054_000000483103_00416_48706_7943.N1	23-JUN-2011 19:40:54	Bright	47.500	116	19Del Sgr	2.7000	4100.0	95	48706	No
226	GOM_TRA_1PNPDK20110623_194302_000000503103_00416_48706_7944.N1	23-JUN-2011 19:43:02	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48706	No
227	GOM_TRA_1PNPDK20110623_195146_000000403103_00416_48706_7945.N1	23-JUN-2011 19:51:46	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	48706	No
228	GOM_TRA_1PNPDK20110623_195408_000000403103_00416_48706_7946.N1	23-JUN-2011 19:54:08	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	48706	No
229	GOM_TRA_1PNPDK20110623_200339_000000603103_00416_48706_7947.N1	23-JUN-2011 20:03:39	Bright	60.000	5	3Alp Lyr	0.033000	11000.	120	48706	No
230	GOM_TRA_1PNPDK20110623_200543_000000423103_00416_48706_7948.N1	23-JUN-2011 20:05:43	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	48706	No
231	GOM_TRA_1PNPDK20110623_201518_000000493103_00416_48706_7949.N1	23-JUN-2011 20:15:18	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48706	No
232	GOM_TRA_1PNPDK20110623_202219_000000683103_00416_48706_7950.N1	23-JUN-2011 20:22:19	Bright	68.000	74	11Bet Cas	2.2680	6600.0	136	48706	No
233	GOM_TRA_1PNPDK20110623_202353_000000673103_00416_48706_7951.N1	23-JUN-2011 20:23:53	Bright	67.000	68	18Alp Cas	2.2250	4500.0	134	48706	No
234	GOM_TRA_1PNPDK20110623_202616_000000353103_00416_48706_7952.N1	23-JUN-2011 20:26:16	Bright	35.000	160	23Gam Per	2.9300	4700.0	70	48706	No
235	GOM_TRA_1PNPDK20110623_202939_000000463103_00416_48706_7953.N1	23-JUN-2011 20:29:39	Bright	46.000	73	57Gam1And	2.2600	13100.	92	48706	No
236	GOM_TRA_1PNPDK20110623_203204_000000633103_00416_48706_7954.N1	23-JUN-2011 20:32:04	Twilight	62.500	53	43Bet And	2.0480	3300.0	125	48706	No
237	GOM_TRA_1PNPDK20110623_203559_000000543103_00416_48706_7955.N1	23-JUN-2011 20:35:59	Dark	53.500	50	13Alp Ari	2.0070	4250.0	107	48706	No
238	GOM_TRA_1PNPDK20110623_205339_000000623103_00416_48706_7956.N1	23-JUN-2011 20:53:39	Dark	62.000	52	16Bet Cet	2.0370	4500.0	124	48706	No
239	GOM_TRA_1PNPDK20110623_205907_000000483103_00416_48706_7957.N1	23-JUN-2011 20:59:07	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48706	No
240	GOM_TRA_1PNPDK20110623_210535_000000523103_00417_48707_7958.N1	23-JUN-2011 21:05:35	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48707	No
241	GOM_TRA_1PNPDK20110623_210736_000000503103_00417_48707_7959.N1	23-JUN-2011 21:07:36	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	48707	No
242	GOM_TRA_1PNPDK20110623_211036_000000423103_00417_48707_7960.N1	23-JUN-2011 21:10:36	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48707	No
243	GOM_TRA_1PNPDE20110623_211944_000000423103_00417_48707_7947.N1	23-JUN-2011 21:19:44	Twilight	42.000	38	20Eps Sgr	1.8360	11000.	84	48707	No
244	GOM_TRA_1PNPDE20110623_212108_000000583103_00417_48707_7948.N1	23-JUN-2011 21:21:08	Bright	57.500	116	19Del Sgr	2.7000	4100.0	115	48707	No
245	GOM_TRA_1PNPDE20110623_212316_000000513103_00417_48707_7949.N1	23-JUN-2011 21:23:16	Bright	50.500	155	41Pi Sgr	2.9000	6600.0	101	48707	No
246	GOM_TRA_1PNPDE20110623_213159_000000393103_00417_48707_7950.N1	23-JUN-2011 21:31:59	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	48707	No
247	GOM_TRA_1PNPDE20110623_213422_000000393103_00417_48707_7951.N1	23-JUN-2011 21:34:22	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48707	No
248	GOM_TRA_1PNPDE20110623_214352_000000443103_00417_48707_7952.N1	23-JUN-2011 21:43:52	Bright	44.000	5	3Alp Lyr	0.033000	11000.	88	48707	No

249	GOM_TRA_1PNPDE20110623_214557_000000393103_00417_48707_7953.N1	23-JUN-2011 21:45:57	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	48707	No
250	GOM_TRA_1PNPDE20110623_215532_000000453103_00417_48707_7954.N1	23-JUN-2011 21:55:32	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48707	No
251	GOM_TRA_1PNPDE20110623_220233_000000543103_00417_48707_7955.N1	23-JUN-2011 22:02:33	Bright	54.000	74	11Bet Cas	2.2680	6600.0	108	48707	No
252	GOM_TRA_1PNPDE20110623_220406_000000473103_00417_48707_7956.N1	23-JUN-2011 22:04:06	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	48707	No
253	GOM_TRA_1PNPDE20110623_220630_000000543103_00417_48707_7957.N1	23-JUN-2011 22:06:30	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	48707	No
254	GOM_TRA_1PNPDE20110623_220954_000000613103_00417_48707_7958.N1	23-JUN-2011 22:09:54	Bright	61.000	73	57Gam1And	2.2600	13100.	122	48707	No
255	GOM_TRA_1PNPDE20110623_221218_000000613103_00417_48707_7959.N1	23-JUN-2011 22:12:18	Twilight	61.000	53	43Bet And	2.0480	3300.0	122	48707	No
256	GOM_TRA_1PNPDE20110623_221613_000000513103_00417_48707_7960.N1	23-JUN-2011 22:16:13	Dark	51.000	50	13Alp Ari	2.0070	4250.0	102	48707	No
257	GOM_TRA_1PNPDE20110623_223354_000000623103_00417_48707_7970.N1	23-JUN-2011 22:33:54	Dark	61.500	52	16Bet Cet	2.0370	4500.0	123	48707	No
258	GOM_TRA_1PNPDE20110623_223922_000000463103_00417_48707_7971.N1	23-JUN-2011 22:39:22	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48707	No
259	GOM_TRA_1PNPDE20110623_224549_000000543103_00418_48708_7972.N1	23-JUN-2011 22:45:49	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	48708	No
260	GOM_TRA_1PNPDE20110623_224751_000000523103_00418_48708_7973.N1	23-JUN-2011 22:47:51	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	48708	No
261	GOM_TRA_1PNPDE20110623_225050_000000423103_00418_48708_7974.N1	23-JUN-2011 22:50:50	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48708	No
262	GOM_TRA_1PNPDE20110623_225958_000000483103_00418_48708_7975.N1	23-JUN-2011 22:59:58	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	48708	No
263	GOM_TRA_1PNPDE20110623_230122_000000503103_00418_48708_7976.N1	23-JUN-2011 23:01:22	Bright	49.500	116	19Del Sgr	2.7000	4100.0	99	48708	No
264	GOM_TRA_1PNPDE20110623_230330_000000493103_00418_48708_7977.N1	23-JUN-2011 23:03:30	Bright	48.500	155	41Pi Sgr	2.9000	6600.0	97	48708	No
265	GOM_TRA_1PNPDE20110623_231213_000000393103_00418_48708_7978.N1	23-JUN-2011 23:12:13	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	48708	No
266	GOM_TRA_1PNPDE20110623_231436_000000413103_00418_48708_7979.N1	23-JUN-2011 23:14:36	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48708	No
267	GOM_TRA_1PNPDE20110623_232405_000000433103_00418_48708_7980.N1	23-JUN-2011 23:24:05	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	48708	No
268	GOM_TRA_1PNPDE20110623_232610_000000553103_00418_48708_7981.N1	23-JUN-2011 23:26:10	Bright	54.500	130	23Bet Dra	2.7990	5800.0	109	48708	No
269	GOM_TRA_1PNPDE20110623_233545_000000473103_00418_48708_7982.N1	23-JUN-2011 23:35:45	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48708	No
270	GOM_TRA_1PNPDE20110623_234246_000000463103_00418_48708_7983.N1	23-JUN-2011 23:42:46	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	48708	No
271	GOM_TRA_1PNPDE20110623_234420_000000473103_00418_48708_7984.N1	23-JUN-2011 23:44:20	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	48708	No
272	GOM_TRA_1PNPDE20110623_234644_000000363103_00418_48708_7985.N1	23-JUN-2011 23:46:44	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	48708	No
273	GOM_TRA_1PNPDE20110623_235007_000000463103_00418_48708_7986.N1	23-JUN-2011 23:50:07	Bright	45.500	73	57Gam1And	2.2600	13100.	91	48708	No
274	GOM_TRA_1PNPDE20110623_235232_000000633103_00418_48708_7987.N1	23-JUN-2011 23:52:32	Twilight	63.000	53	43Bet And	2.0480	3300.0	126	48708	No
275	GOM_TRA_1PNPDE20110623_235628_000000533103_00418_48708_7988.N1	23-JUN-2011 23:56:28	Dark	52.500	50	13Alp Ari	2.0070	4250.0	105	48708	No

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



4. Overview of dark signal processing per product

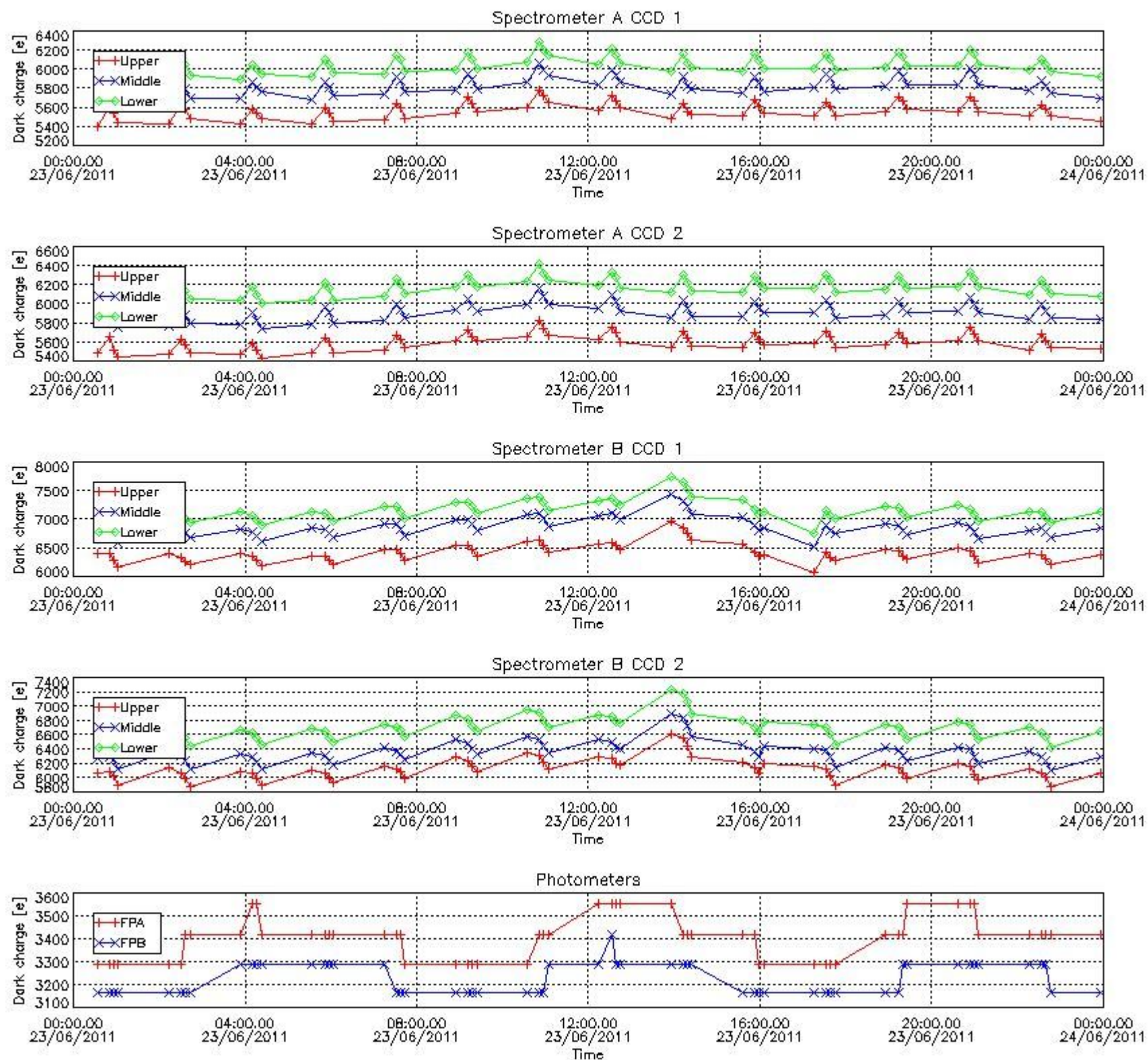
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110623_211944_000000423103_00417_48707_7947.N1	DC map used
GOM_TRA_1PNPDE20110623_212108_000000583103_00417_48707_7948.N1	DC map used
GOM_TRA_1PNPDE20110623_212316_000000513103_00417_48707_7949.N1	DC map used
GOM_TRA_1PNPDE20110623_213159_000000393103_00417_48707_7950.N1	DC map used
GOM_TRA_1PNPDE20110623_213422_000000393103_00417_48707_7951.N1	DC map used
GOM_TRA_1PNPDE20110623_214352_000000443103_00417_48707_7952.N1	DC map used
GOM_TRA_1PNPDE20110623_214557_000000393103_00417_48707_7953.N1	DC map used
GOM_TRA_1PNPDE20110623_215532_000000453103_00417_48707_7954.N1	DC map used
GOM_TRA_1PNPDE20110623_220233_000000543103_00417_48707_7955.N1	DC map used
GOM_TRA_1PNPDE20110623_220406_000000473103_00417_48707_7956.N1	DC map used
GOM_TRA_1PNPDE20110623_220630_000000543103_00417_48707_7957.N1	DC map used
GOM_TRA_1PNPDE20110623_220954_000000613103_00417_48707_7958.N1	DC map used
GOM_TRA_1PNPDE20110623_221218_000000613103_00417_48707_7959.N1	DC map used
GOM_TRA_1PNPDE20110623_221613_000000513103_00417_48707_7960.N1	DC map used

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



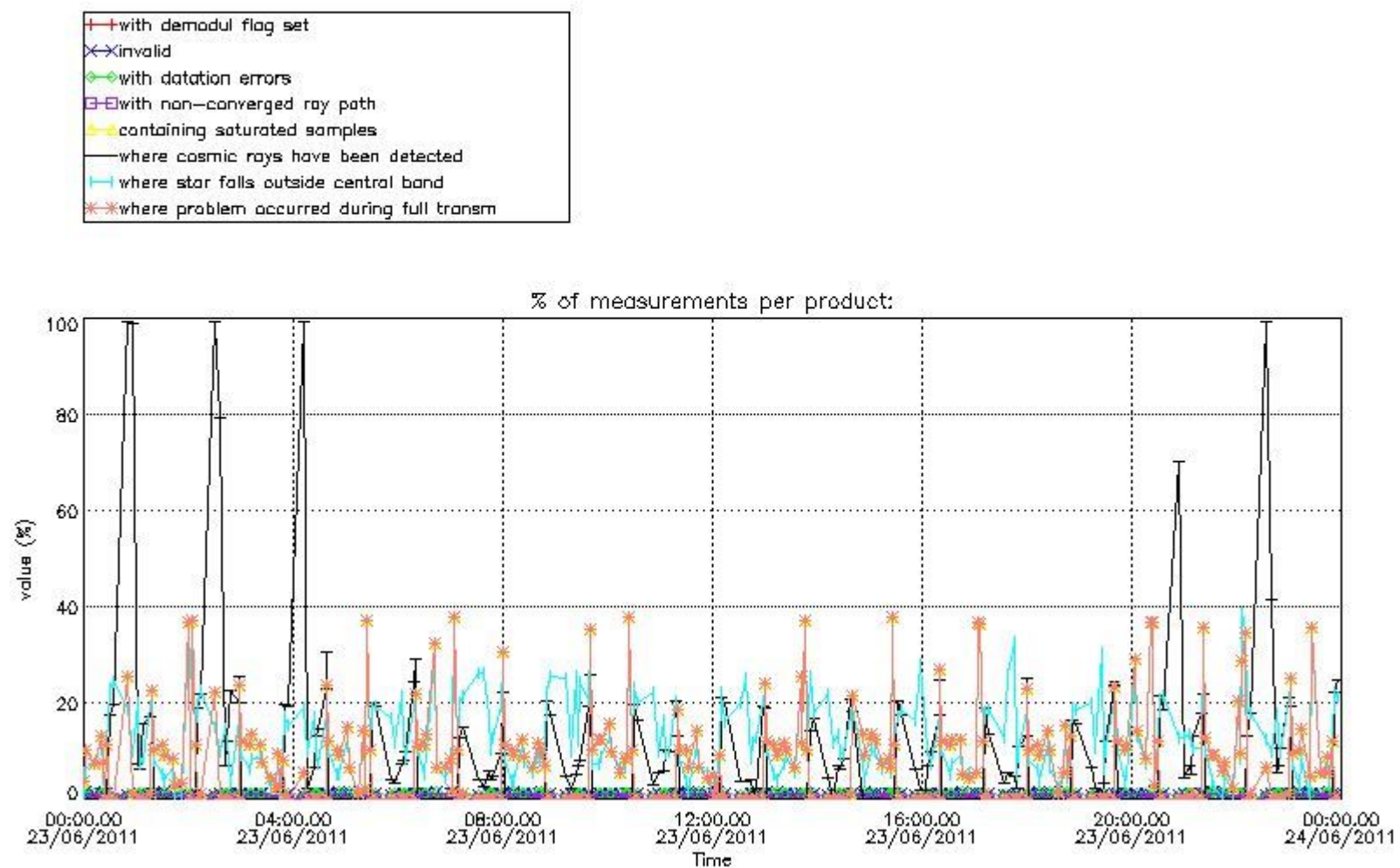
5. Demodulation flag and quality information monitoring

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.

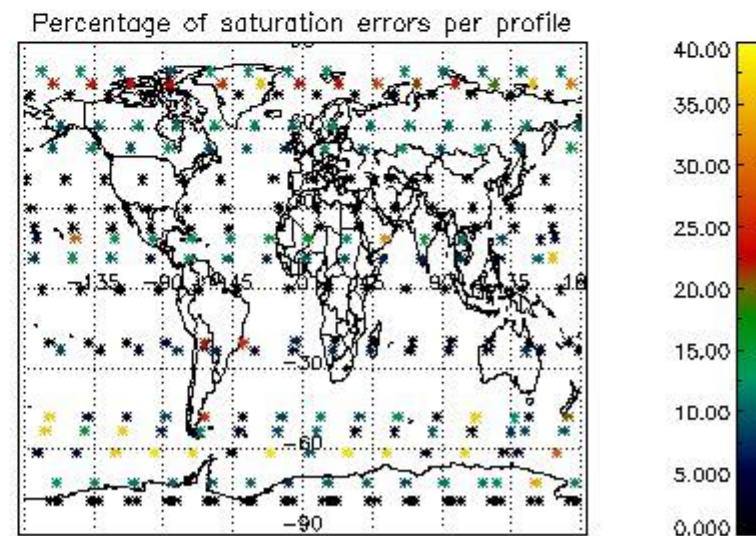
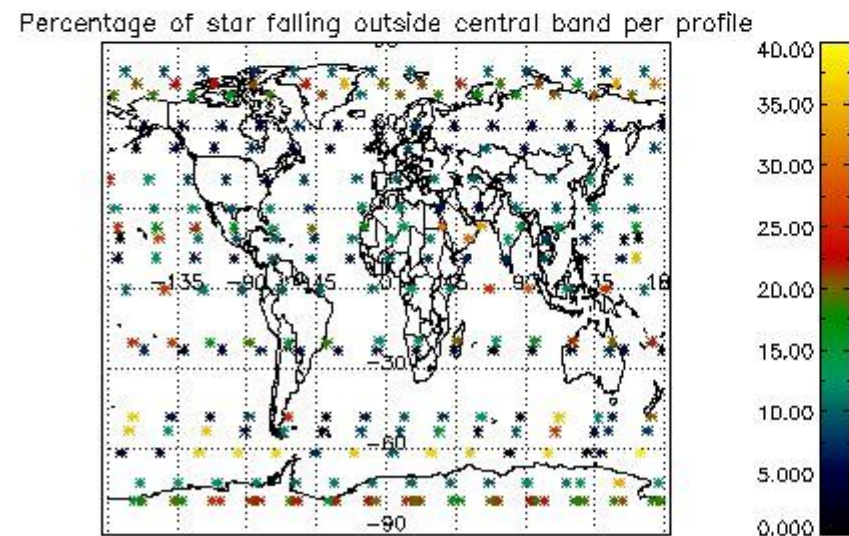
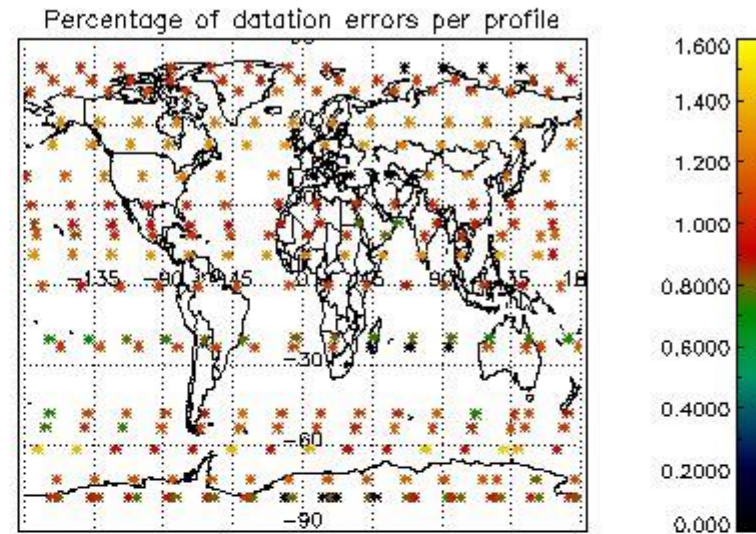
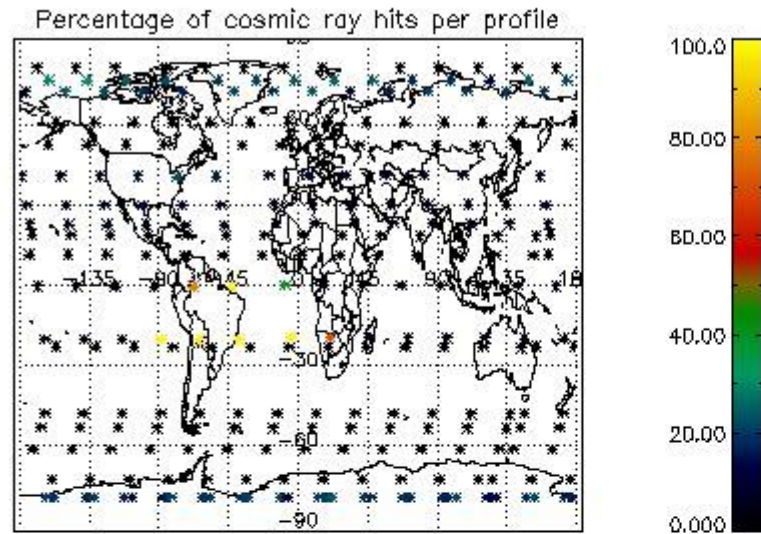
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	40.8759 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	58.3942 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



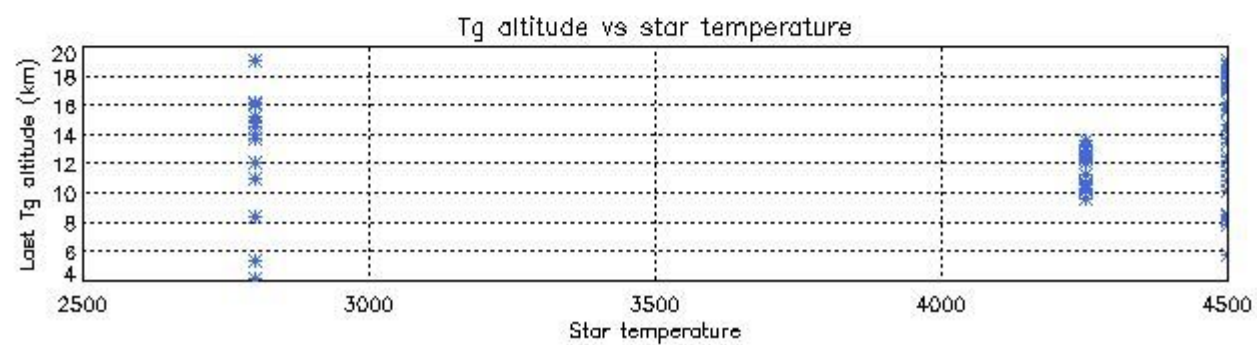
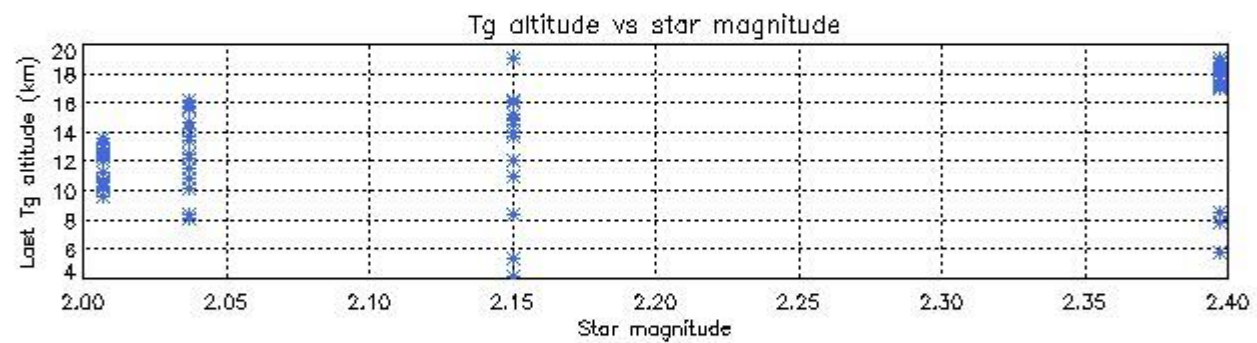
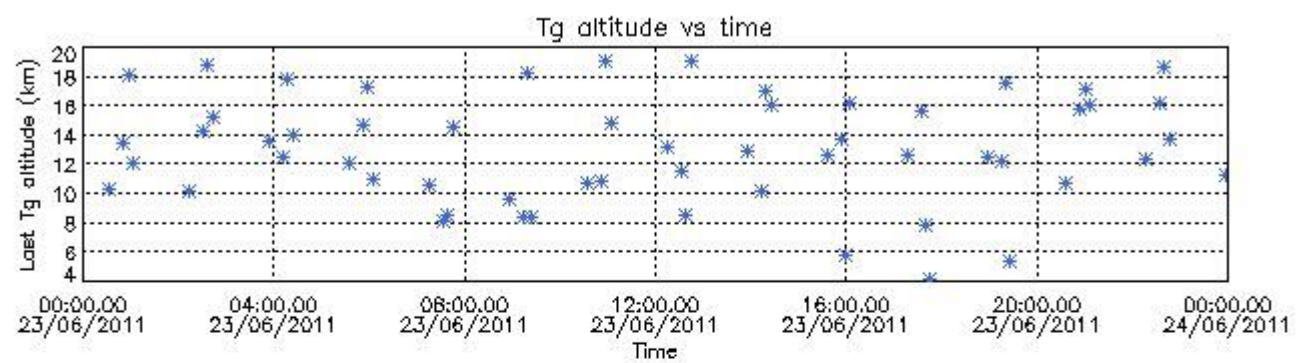
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.037	17.911	NaN
St. deviation:	3.6595	6.2391	NaN
Maximum:	19.080	28.699	NaN
Minimum:	4.0737	3.4566	NaN
Number of data:	57.000	160.00	NaN

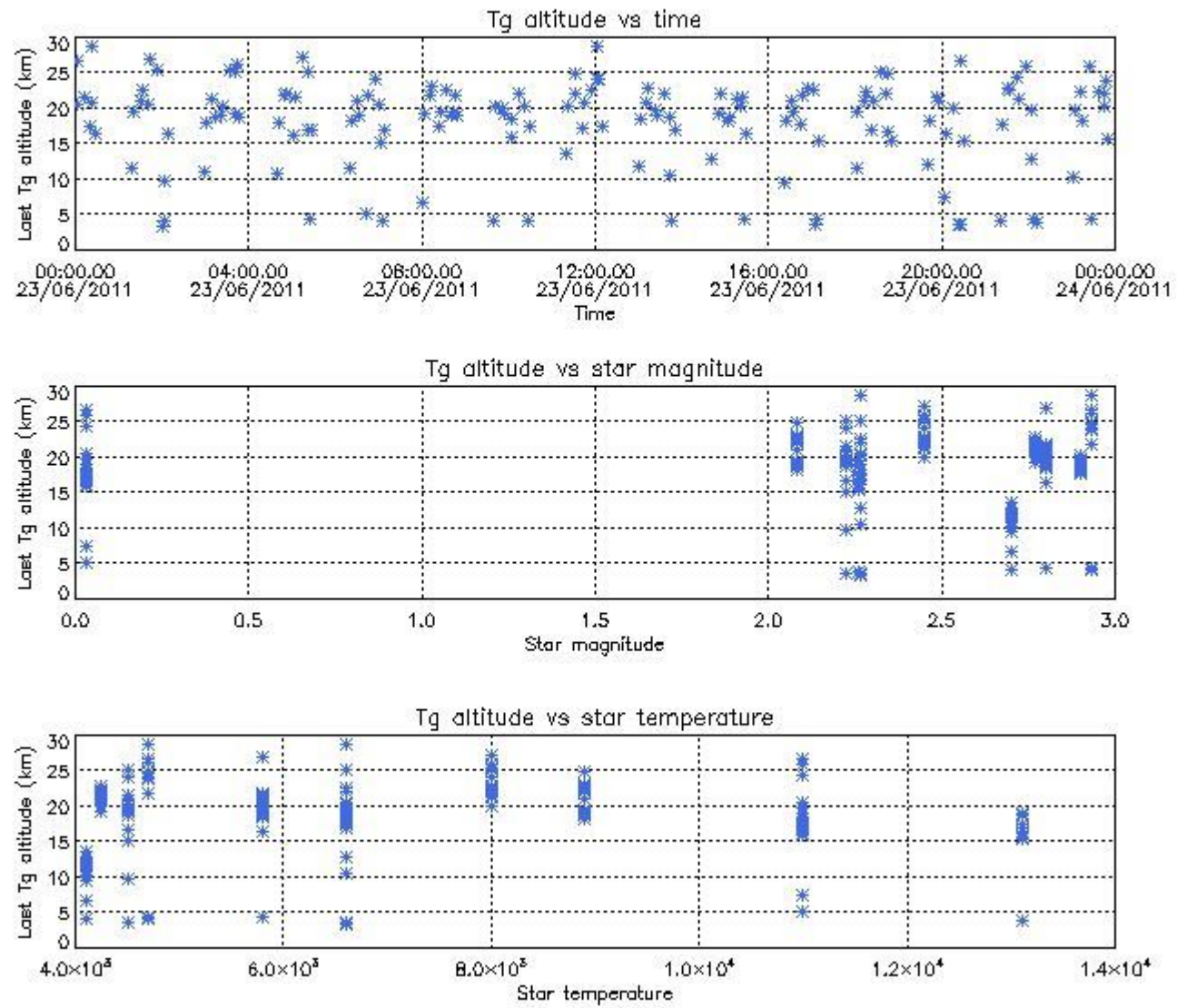
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

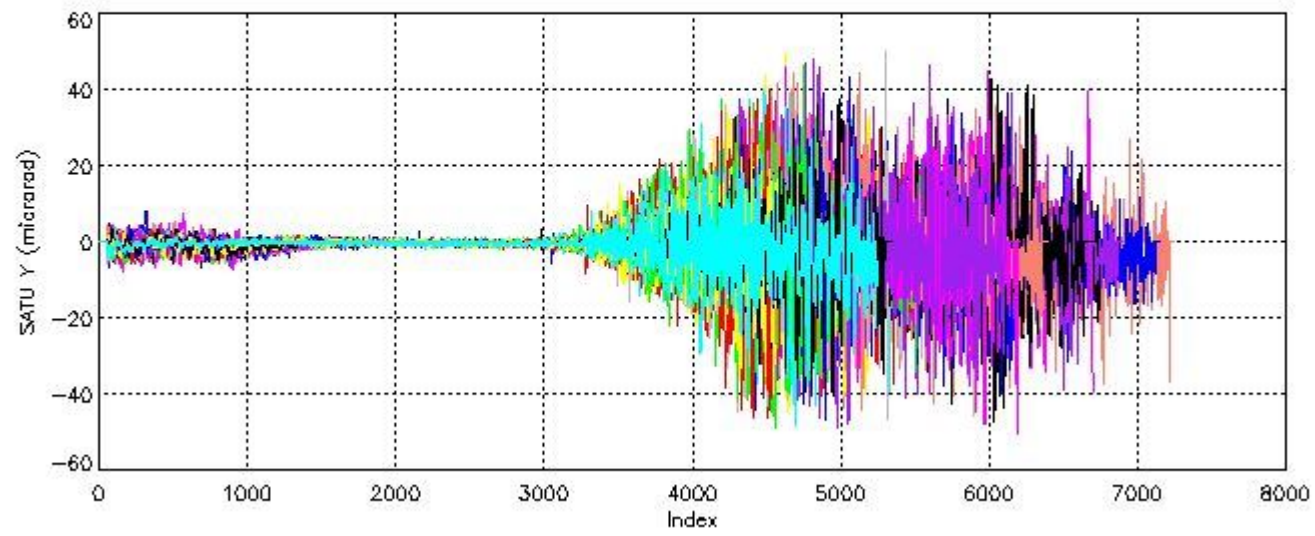
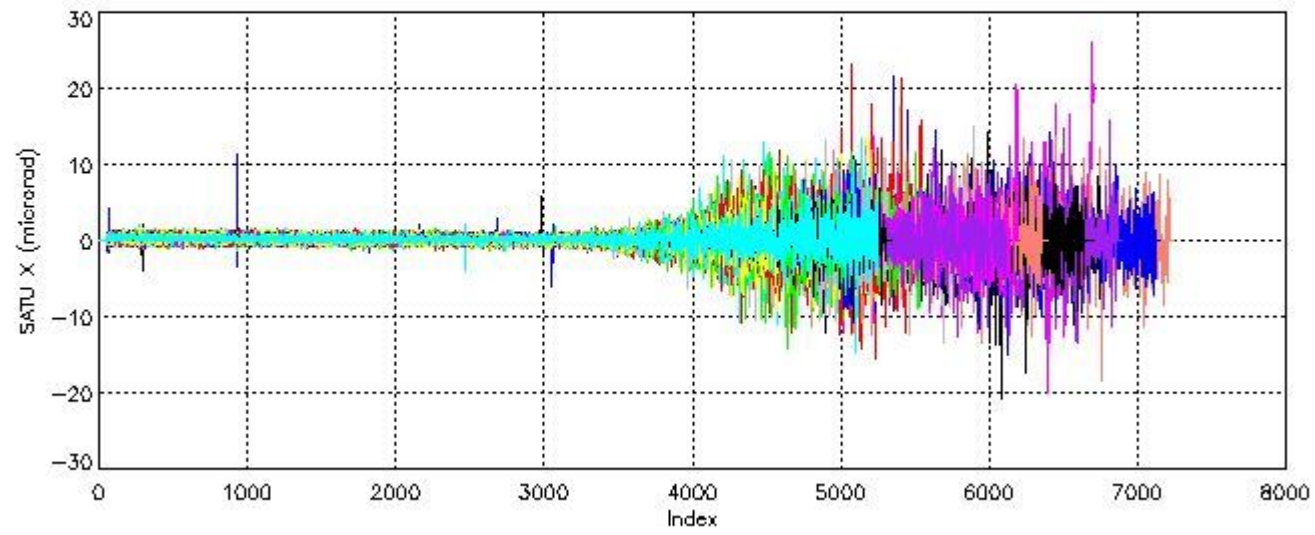


7. Star Acquisition and Tracking Unit (SATU)

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:	0.23505	-0.94246	0.25529	-1.1428
St. deviation:	0.29837	1.3042	0.64287	1.4296
Maximum:	11.400	7.8000	7.8000	24.200
Minimum:	-3.9000	-7.9000	-22.900	-8.8000

Number of data:	65800.	65800.	1.6415E+05	1.6415E+05
90Percentile:	0.60000	0.60000	1.1000	0.50000

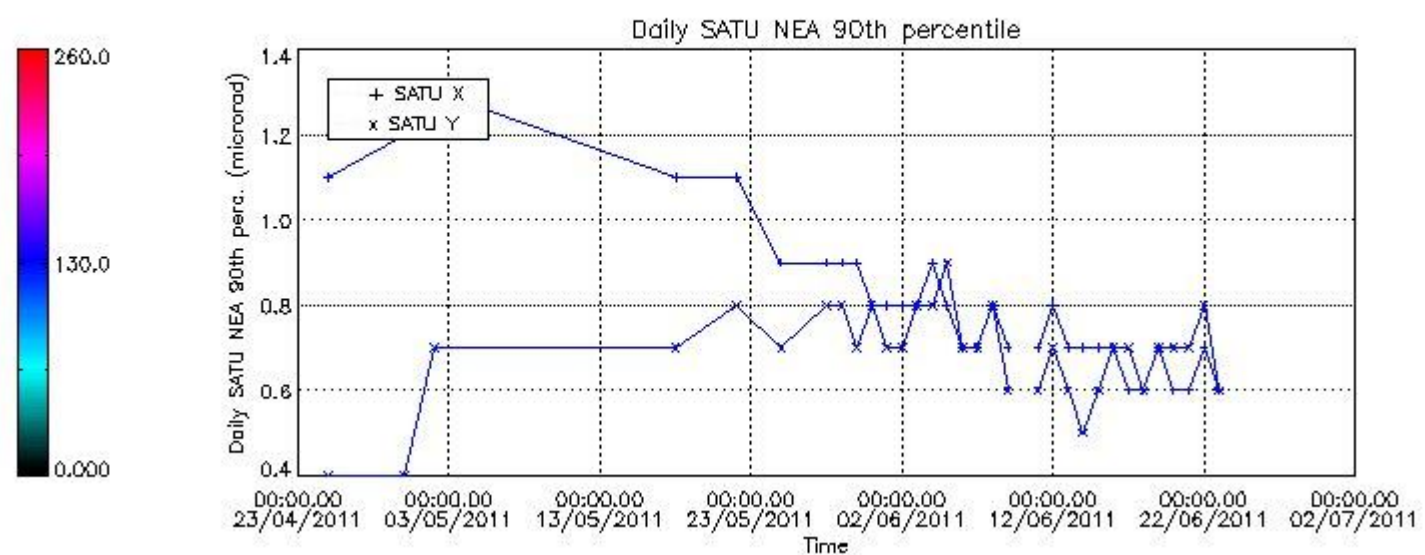
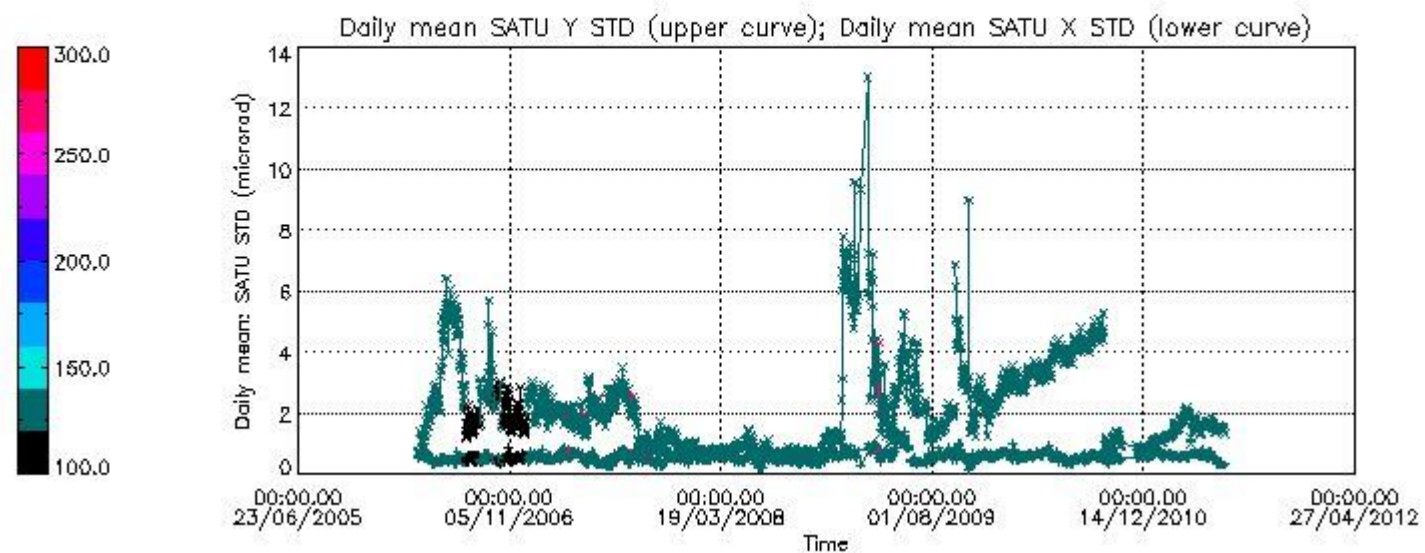
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

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

Upper curve: STD of SATU Y axis

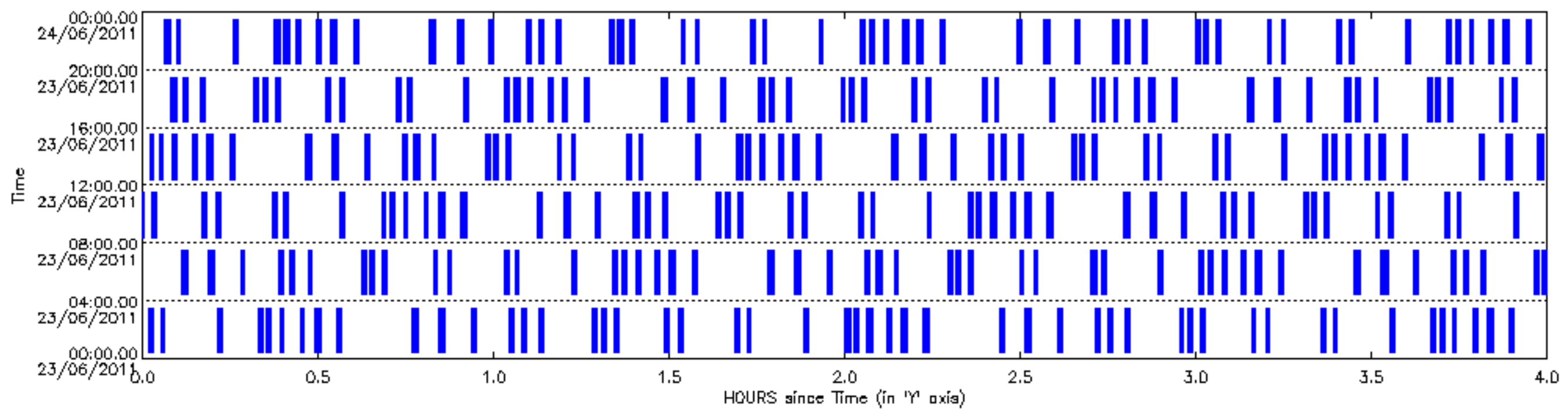
Lower curve: STD of SATU X axis

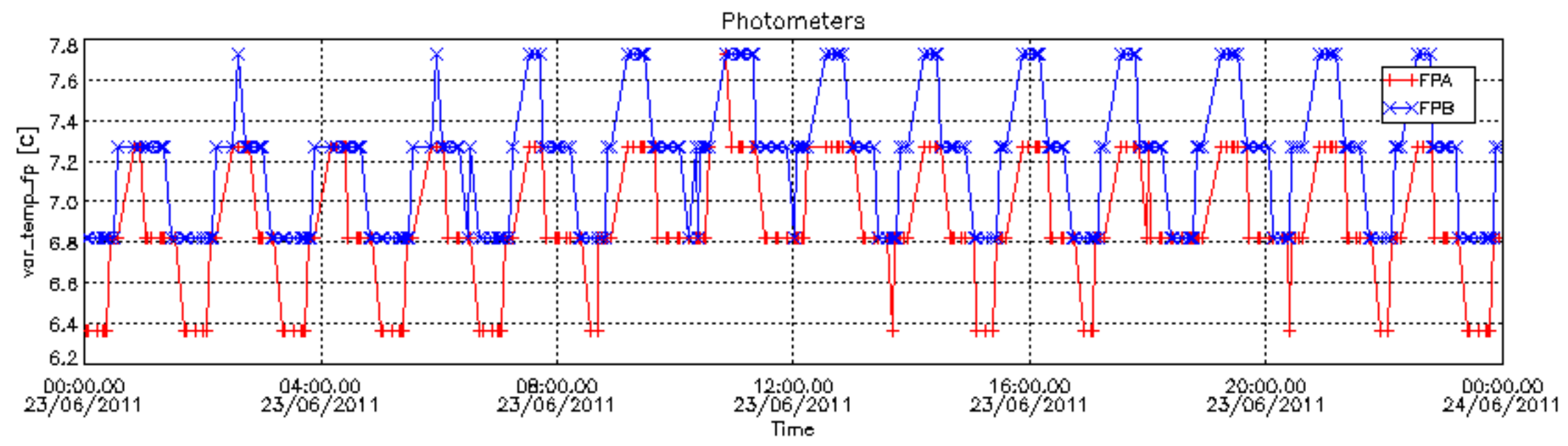
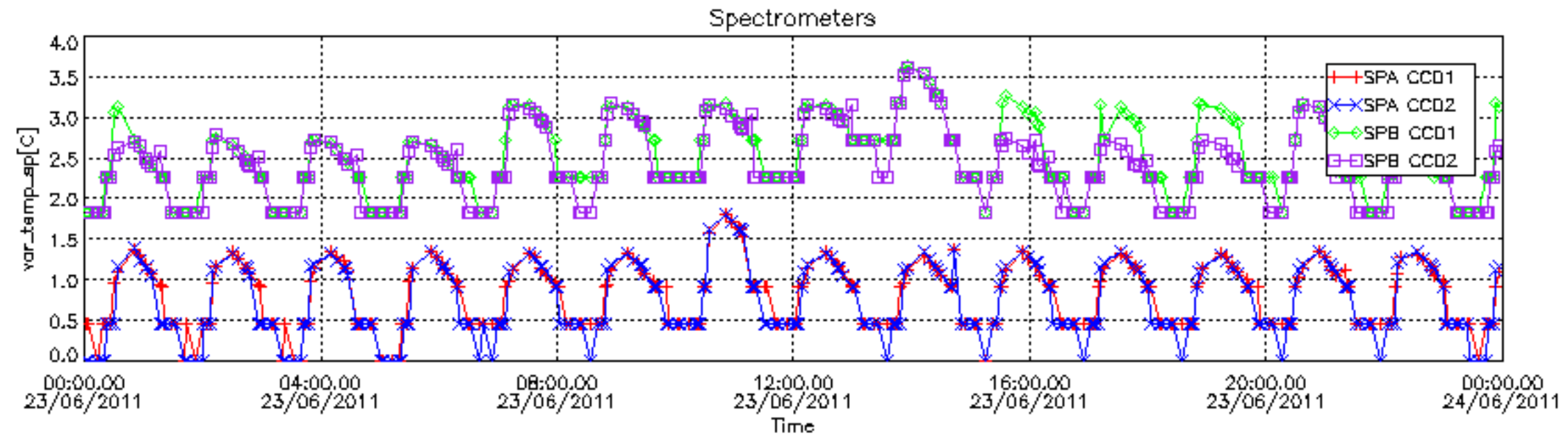


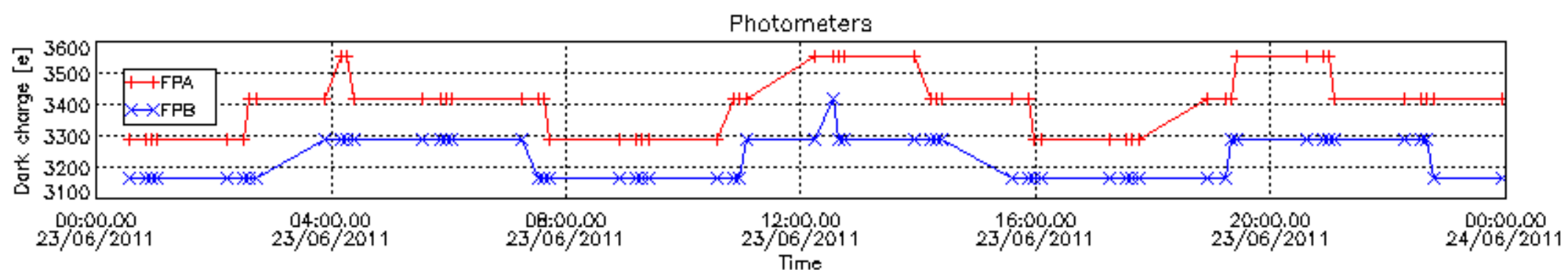
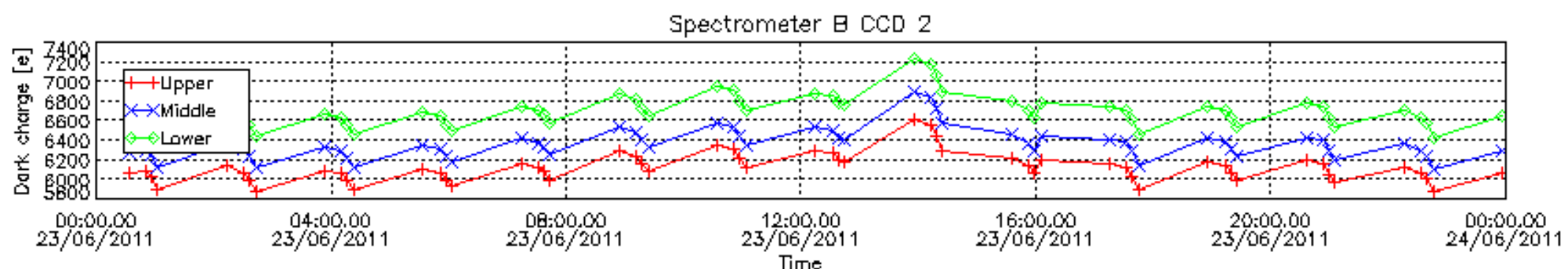
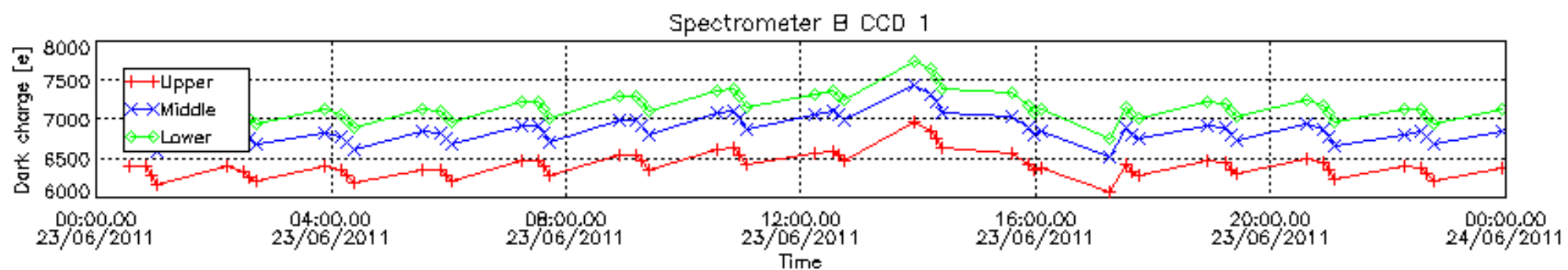
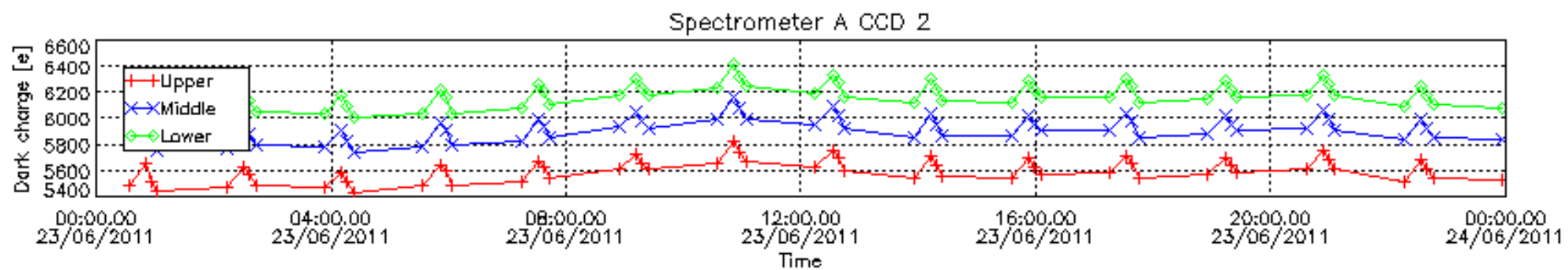
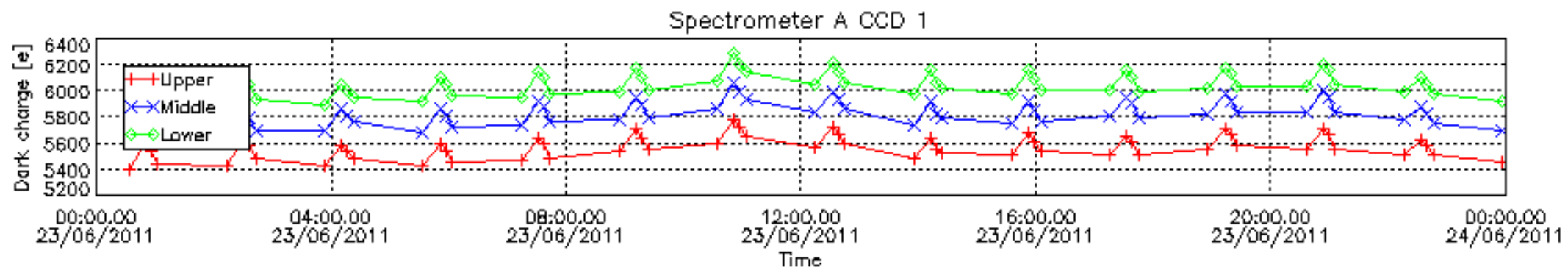
8. Auxiliary Data Files used for the production reported in section 2.4

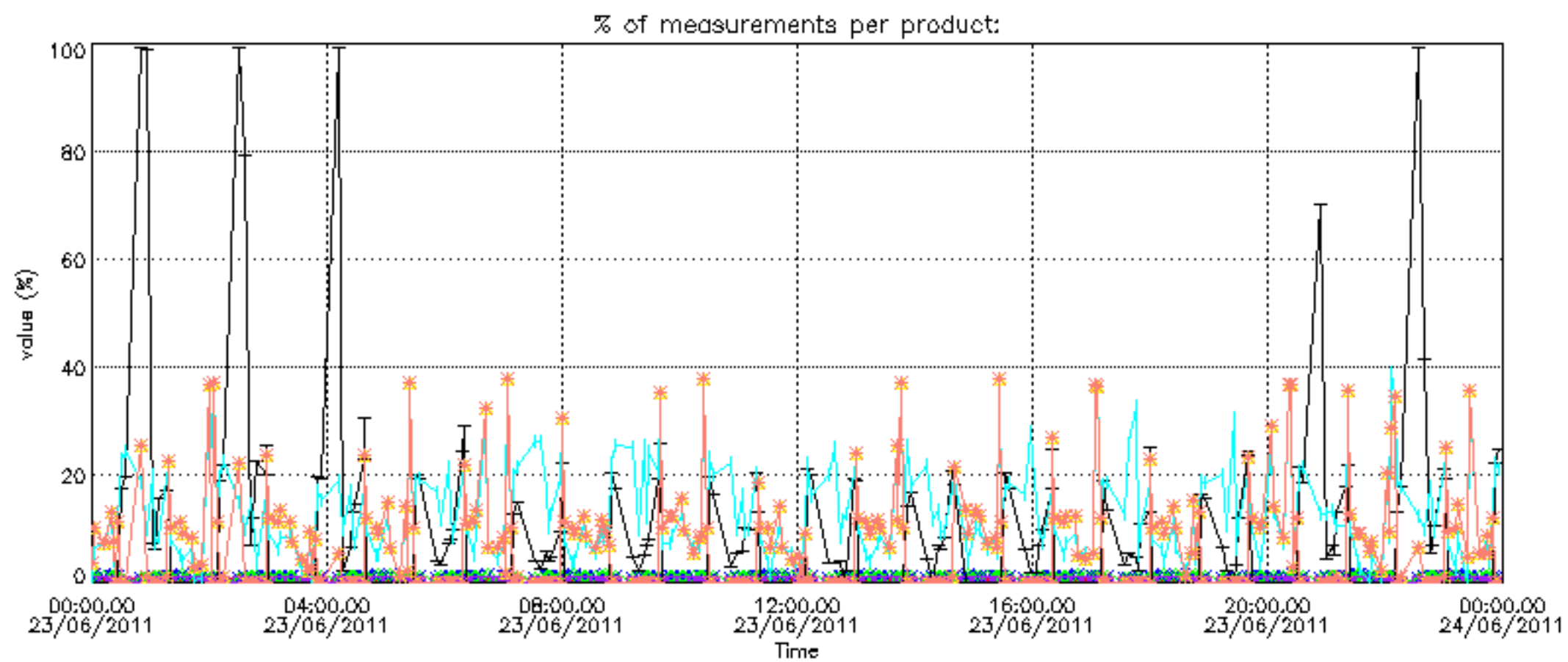
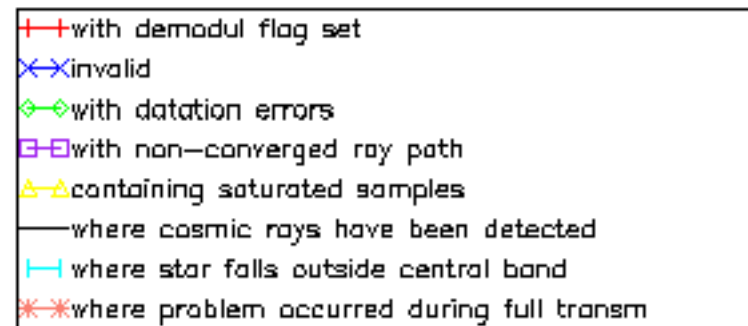
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-JUN-2011 00:00:59
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110622_075744_20110621_000000_20500101_000000	1	23-JUN-2011 00:00:59
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	1	23-JUN-2011 00:00:59
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	23-JUN-2011 00:00:59
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	23-JUN-2011 00:00:59
ECMWF_FILE	AUX_ECF_AXNECM20110622_062115_20110622_210000_20110623_090000	1	23-JUN-2011 00:00:59
ECMWF_FILE	AUX_ECF_AXNECM20110622_182539_20110623_030000_20110623_150000	42	23-JUN-2011 03:40:04
ECMWF_FILE	AUX_ECA_AXNECM20110623_062112_20110622_210000_20110623_090000	61	23-JUN-2011 05:20:17
ECMWF_FILE	AUX_ECF_AXNECM20110622_182539_20110623_030000_20110623_150000	94	23-JUN-2011 08:10:08
ECMWF_FILE	AUX_ECF_AXNECM20110623_062113_20110623_090000_20110623_210000	113	23-JUN-2011 09:50:22
ECMWF_FILE	AUX_ECF_AXNECM20110623_062113_20110623_150000_20110624_030000	187	23-JUN-2011 16:20:25
ECMWF_FILE	AUX_ECA_AXNECM20110623_182112_20110623_090000_20110623_210000	205	23-JUN-2011 17:59:15
ECMWF_FILE	AUX_ECF_AXNECM20110623_062113_20110623_150000_20110624_030000	224	23-JUN-2011 19:39:29
ECMWF_FILE	AUX_ECF_AXNECM20110623_062114_20110623_210000_20110624_090000	243	23-JUN-2011 21:19:44
OPTIONAL_ECMWF_FILE	MISSING	1	23-JUN-2011 00:00:59
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110622_102114_20110621_185205_20110701_210553	1	23-JUN-2011 00:00:59
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110623_102112_20110622_195535_20110702_202909	113	23-JUN-2011 09:50:22
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110623_221707_20110623_191851_20110703_213239	257	23-JUN-2011 22:33:54

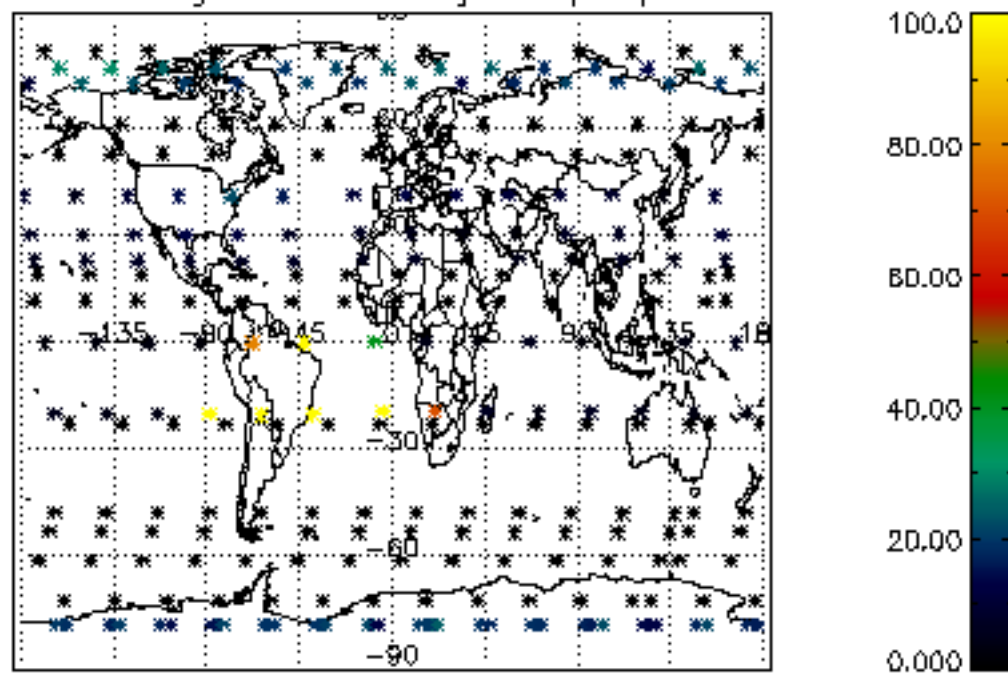




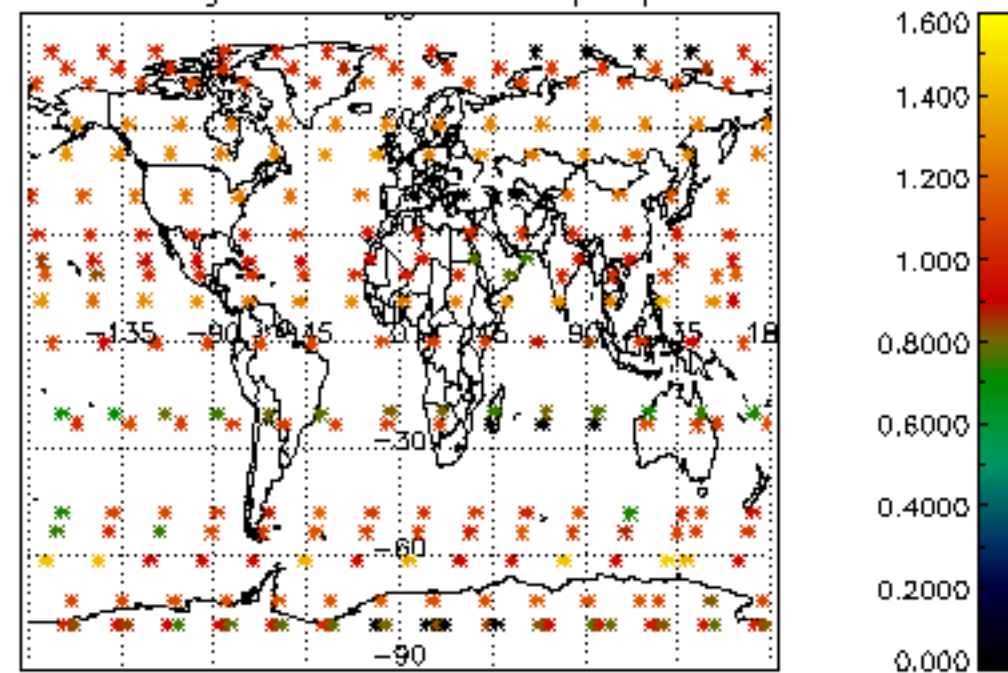




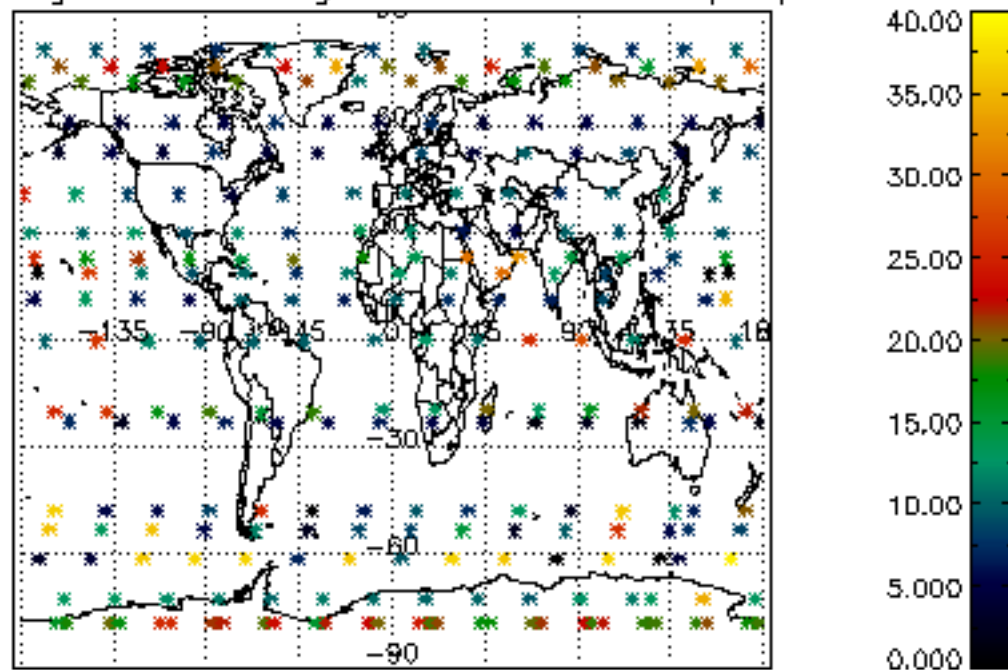
Percentage of cosmic ray hits per profile



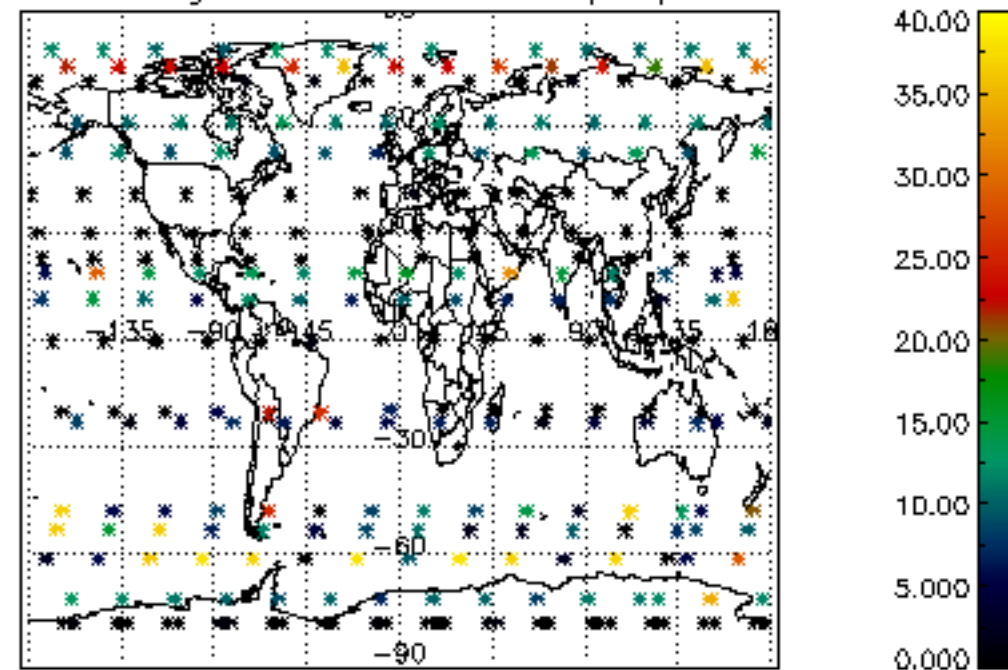
Percentage of datation errors per profile



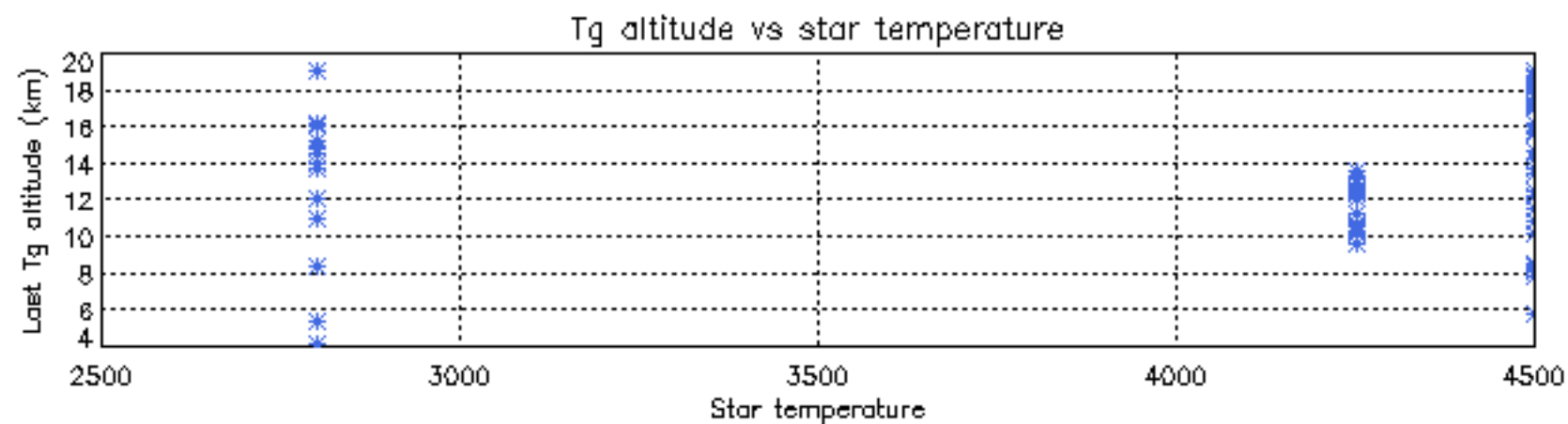
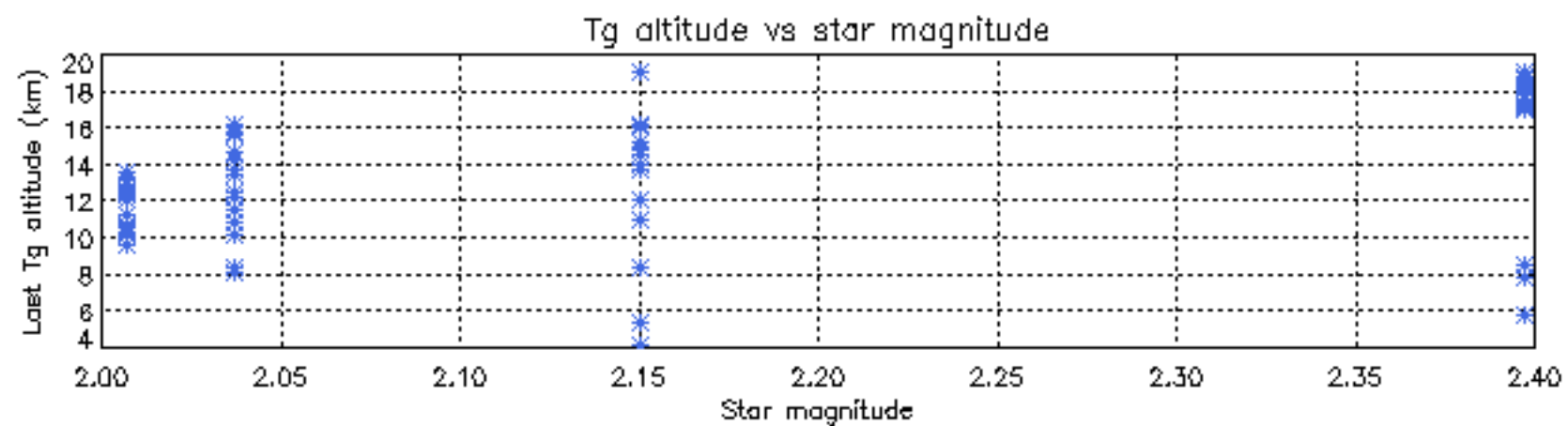
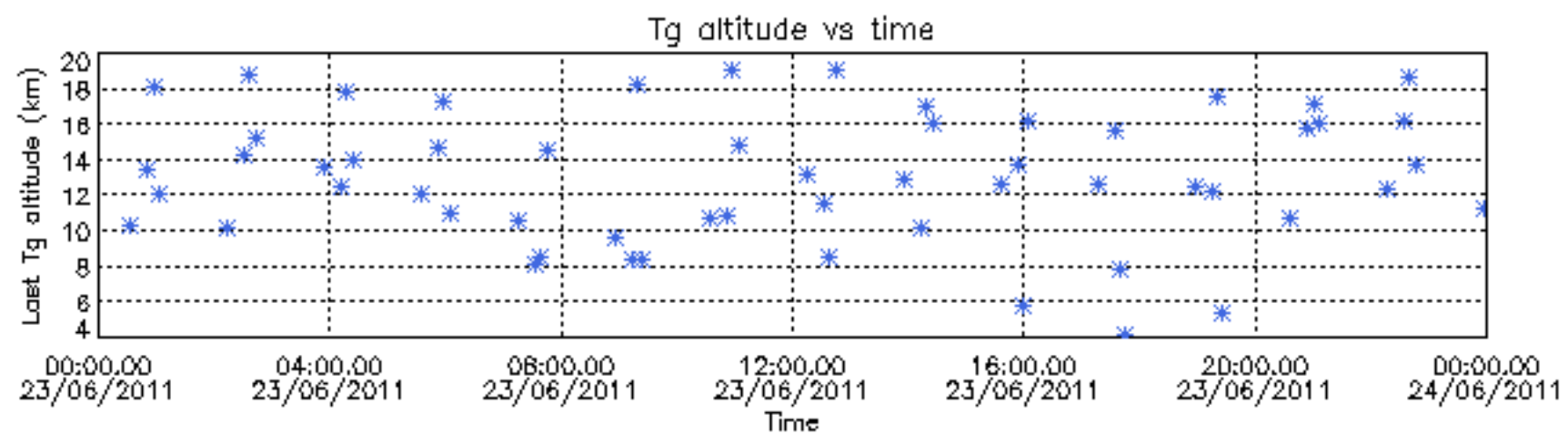
Percentage of star falling outside central band per profile



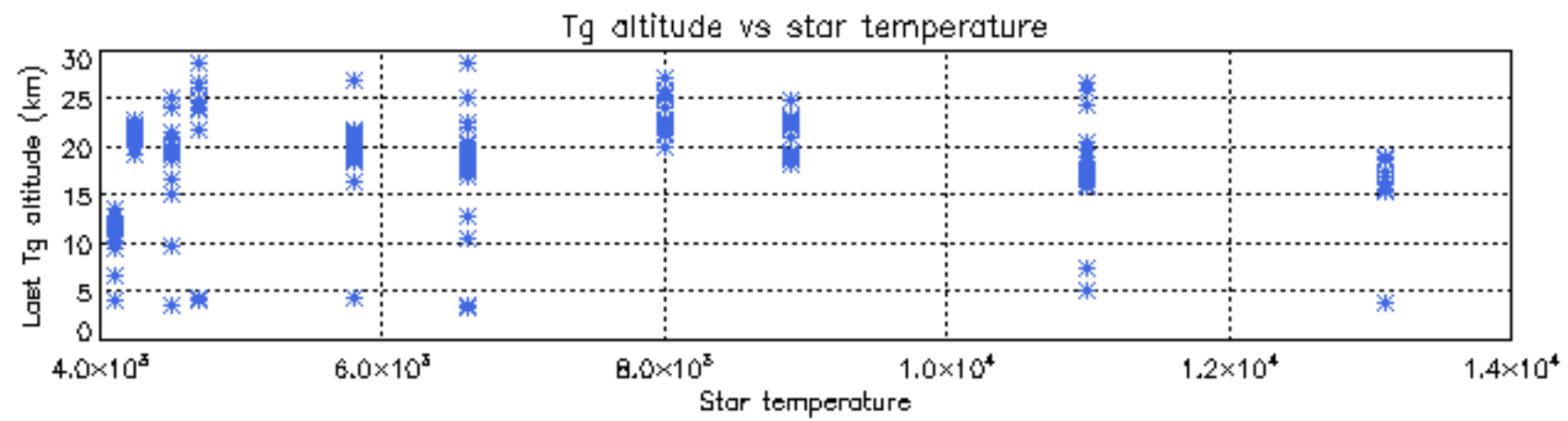
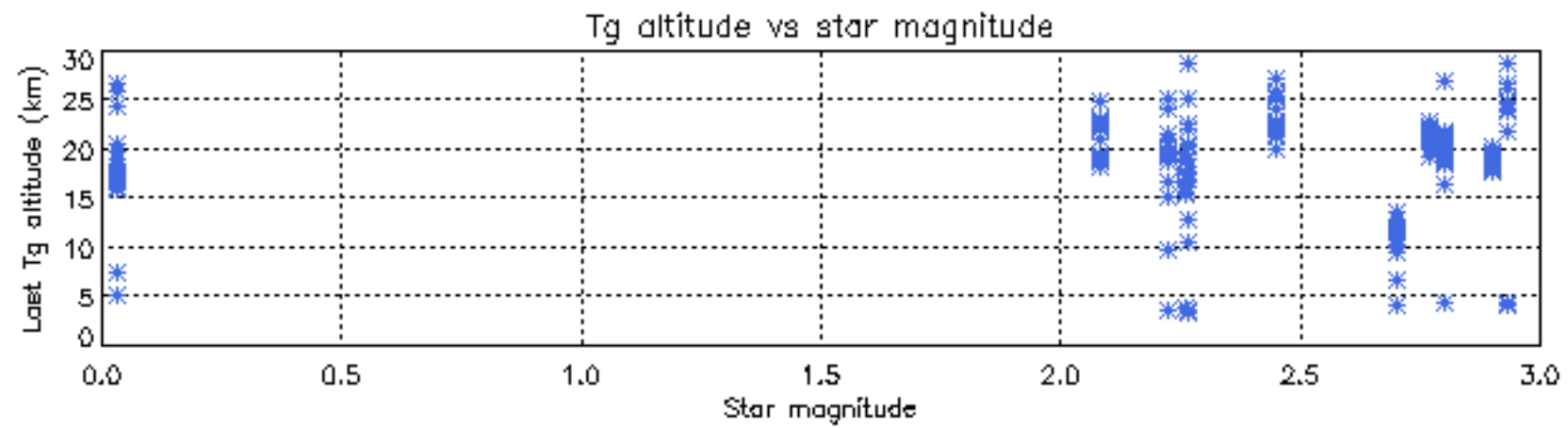
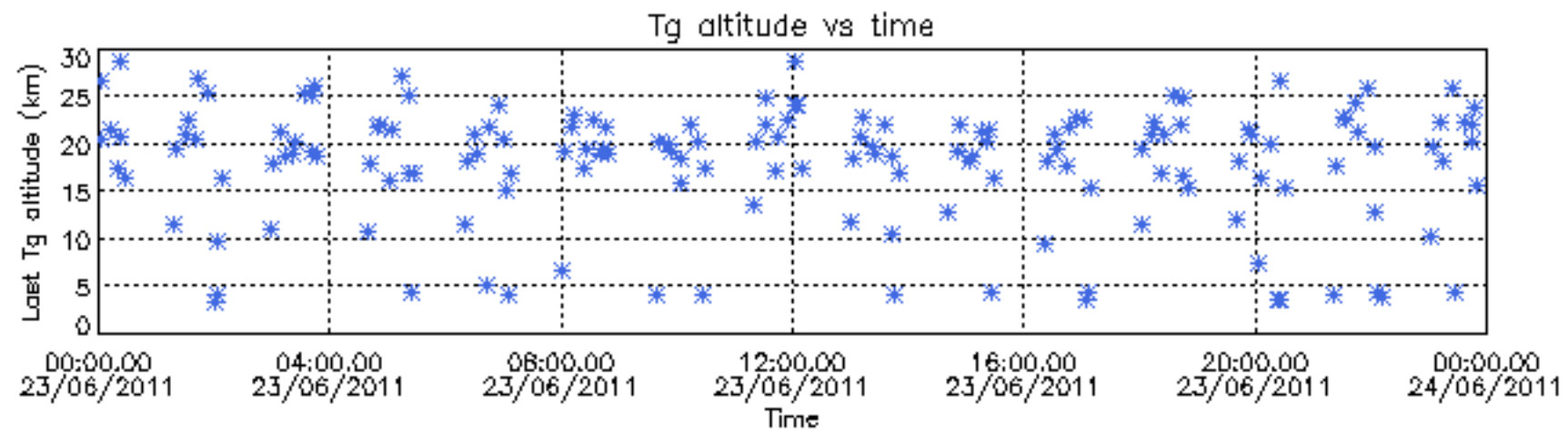
Percentage of saturation errors per profile

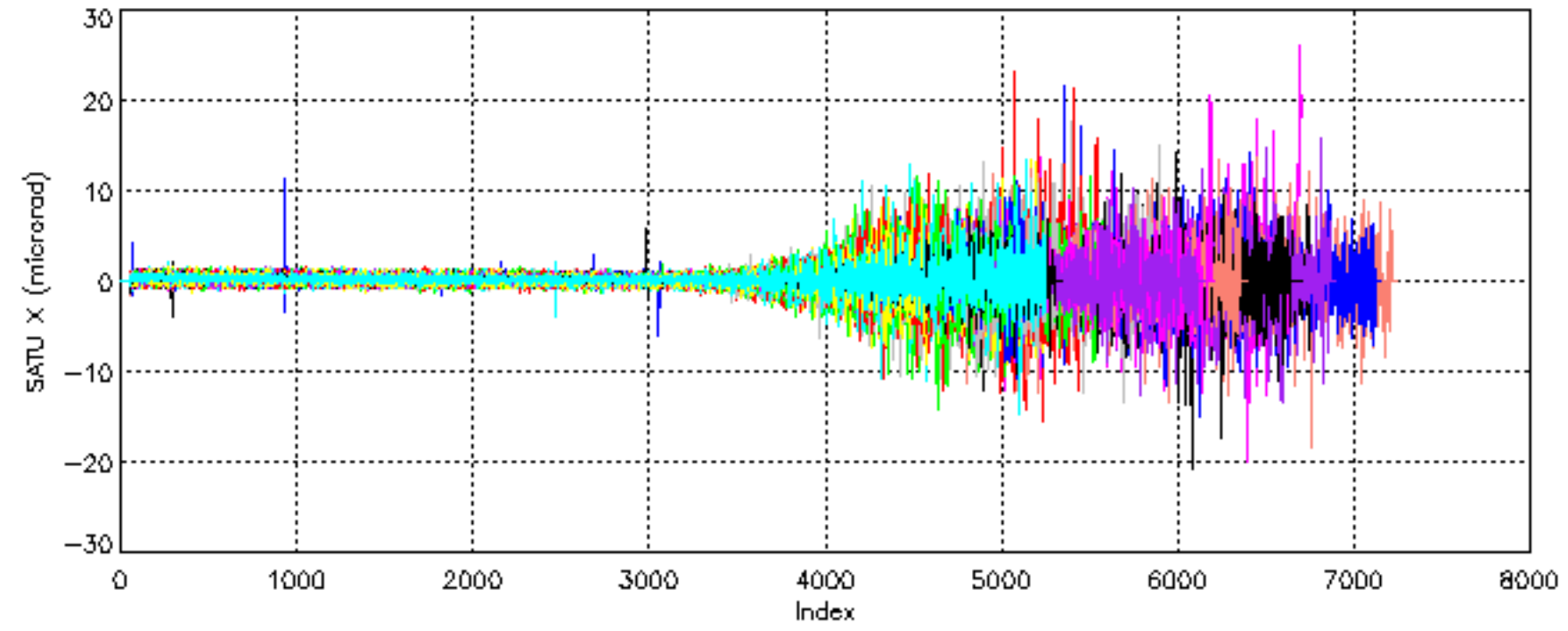


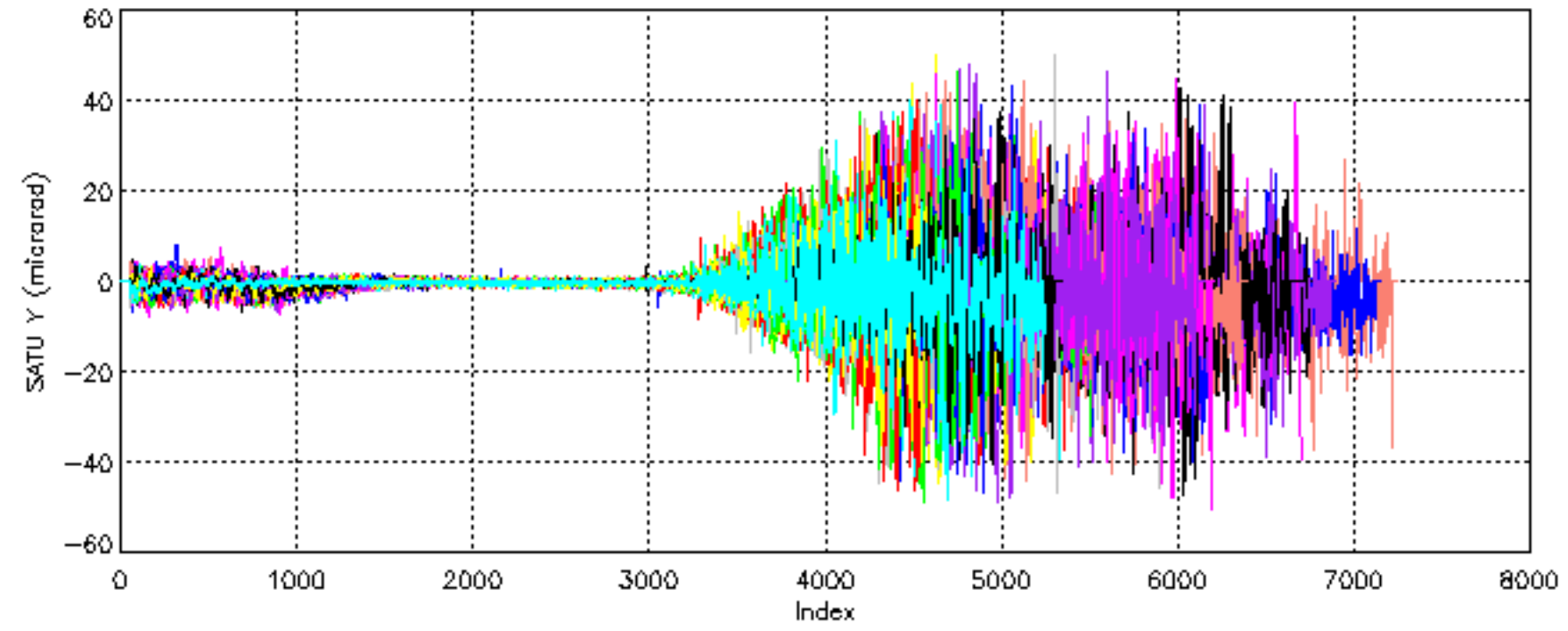
Tangent altitude at which the star is lost

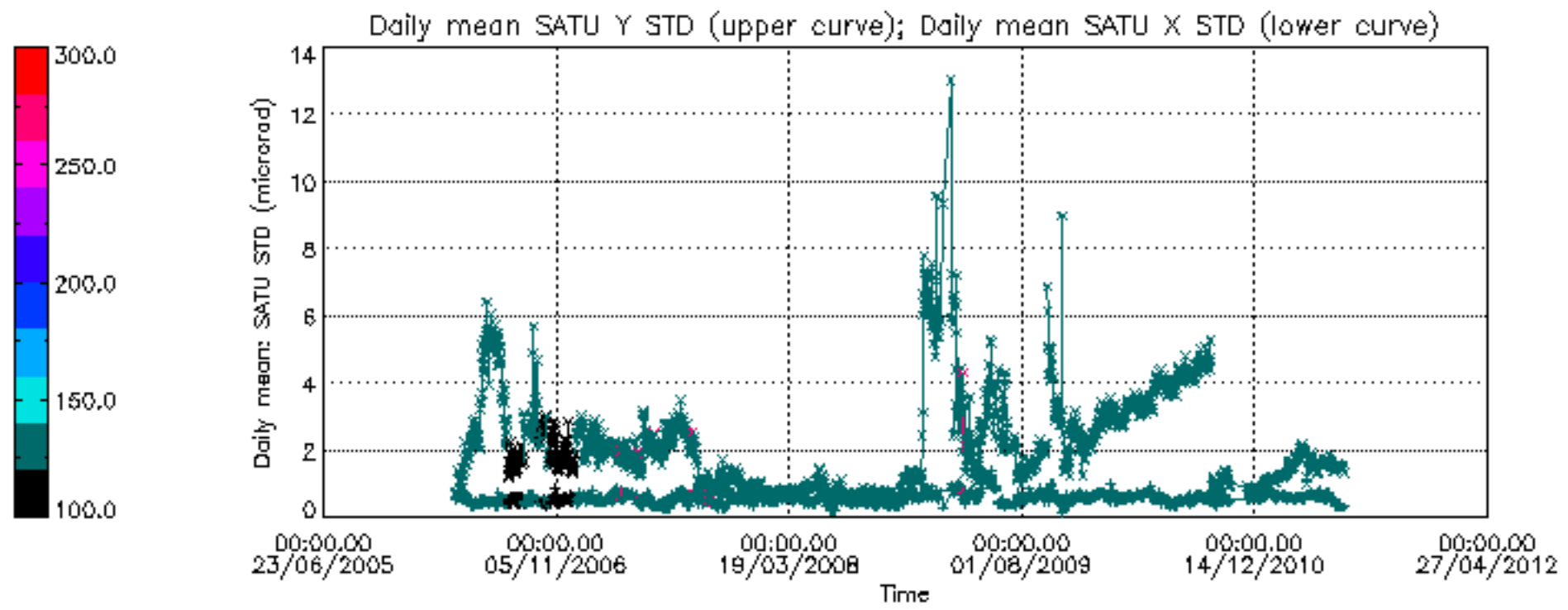


Tangent altitude at which the star is lost









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 19; 2508.3; 01-JUN-2011 01:44:26; Bright; 44.0; 133; 40Zet Her ; 2.81; 6000;occ; 88; 0;48379
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 7; 488.6; 01-JUN-2011 02:51:00; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48380
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7; 3489.3; 13-JUN-2011 09:42:02; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48556
8; 3865.3; 13-JUN-2011 09:48:18; Bright; 63.0; 74; 11Bet Cas ; 2.27; 6600;occ; 126; 0;48556
9; 4247.5; 13-JUN-2011 09:54:40; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;48556

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11;	4592.6;	13-JUN-2011 10:00:25;	Dark ;	48.0;	50;	13Alp Ari ;	2.01;	4250;occ;	96;	0;	48556
12;	5408.5;	13-JUN-2011 10:14:01;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;	48556
13;	5511.7;	13-JUN-2011 10:15:45;	Dark ;	52.0;	52;	16Bet Cet ;	2.04;	4500;occ;	104;	0;	48556
14;	5889.8;	13-JUN-2011 10:22:03;	Dark ;	45.0;	84;	Alp Phe ;	2.40;	4500;occ;	90;	0;	48556
15;	6256.6;	13-JUN-2011 10:28:09;	Dark ;	49.5;	63;	Bet Gru ;	2.15;	2800;occ;	99;	0;	48557
16;	6378.9;	13-JUN-2011 10:30:12;	Dark ;	47.0;	31;	Alp Gru ;	1.73;	15200;occ;	94;	0;	48557
17;	6483.9;	13-JUN-2011 10:31:57;	Dark ;	56.5;	172;	Gam Gru ;	3.00;	13100;occ;	113;	0;	48557
18;	6617.7;	13-JUN-2011 10:34:11;	Dark ;	43.0;	45;	Alp Pav ;	1.94;	26000;occ;	86;	0;	48557
19;	7215.6;	13-JUN-2011 10:44:09;	Dark ;	43.5;	25;	35Lam Sco ;	1.62;	28000;occ;	87;	0;	48557
20;	7317.8;	13-JUN-2011 10:45:51;	Dark ;	58.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	117;	0;	48557
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3;	2265.7;	13-JUN-2011 11:01:52;	Bright;	37.0;	127;	27Bet Her ;	2.78;	4700;occ;	74;	0;	48557
4;	2449.4;	13-JUN-2011 11:04:56;	Bright;	40.0;	133;	40Zet Her ;	2.81;	6000;occ;	80;	0;	48557
5;	2861.0;	13-JUN-2011 11:11:48;	Bright;	42.5;	130;	23Bet Dra ;	2.80;	5800;occ;	85;	0;	48557
6;	2948.3;	13-JUN-2011 11:13:15;	Bright;	39.5;	119;	14Eta Dra ;	2.73;	4700;occ;	79;	0;	48557
7;	3488.7;	13-JUN-2011 11:22:16;	Bright;	48.0;	89;	5Alp Cep ;	2.45;	8000;occ;	96;	0;	48557
8;	3865.0;	13-JUN-2011 11:28:32;	Bright;	64.0;	74;	11Bet Cas ;	2.27;	6600;occ;	128;	0;	48557
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13;	5512.5;	13-JUN-2011 11:55:59;	Dark ;	52.0;	52;	16Bet Cet ;	2.04;	4500;occ;	104;	0;	48557
14;	5890.6;	13-JUN-2011 12:02:17;	Dark ;	43.5;	84;	Alp Phe ;	2.40;	4500;occ;	87;	0;	48557
15;	6257.5;	13-JUN-2011 12:08:24;	Dark ;	50.5;	63;	Bet Gru ;	2.15;	2800;occ;	101;	0;	48558
16;	6379.8;	13-JUN-2011 12:10:27;	Dark ;	49.0;	31;	Alp Gru ;	1.73;	15200;occ;	98;	0;	48558
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19;	7216.0;	13-JUN-2011 12:24:23;	Dark ;	46.0;	25;	35Lam Sco ;	1.62;	28000;occ;	92;	0;	48558
20;	7318.5;	13-JUN-2011 12:26:05;	Dark ;	61.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	123;	0;	48558
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3;	2152.1;	13-JUN-2011 12:40:13;	Bright;	45.5;	59;	55Alp Oph ;	2.08;	8900;occ;	91;	0;	48558
4;	2265.6;	13-JUN-2011 12:42:06;	Bright;	35.5;	127;	27Bet Her ;	2.78;	4700;occ;	71;	0;	48558
5;	2449.0;	13-JUN-2011 12:45:10;	Bright;	39.0;	133;	40Zet Her ;	2.81;	6000;occ;	78;	0;	48558
6;	2860.5;	13-JUN-2011 12:52:01;	Bright;	42.5;	130;	23Bet Dra ;	2.80;	5800;occ;	85;	0;	48558
7;	2948.2;	13-JUN-2011 12:53:29;	Bright;	38.0;	119;	14Eta Dra ;	2.73;	4700;occ;	76;	0;	48558
8;	3488.1;	13-JUN-2011 13:02:29;	Bright;	46.5;	89;	5Alp Cep ;	2.45;	8000;occ;	93;	0;	48558
9;	3864.5;	13-JUN-2011 13:08:45;	Bright;	41.0;	74;	11Bet Cas ;	2.27;	6600;occ;	82;	0;	48558
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11;	4386.7;	13-JUN-2011 13:17:27;	Dark ;	54.5;	53;	43Bet And ;	2.05;	3300;occ;	109;	0;	48558
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14;	5513.6;	13-JUN-2011 13:36:14;	Dark ;	53.0;	52;	16Bet Cet ;	2.04;	4500;occ;	106;	0;	48558
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17;	6380.9;	13-JUN-2011 13:50:42;	Dark ;	50.0;	31;	Alp Gru ;	1.73;	15200;occ;	100;	0;	48559
18;	6486.4;	13-JUN-2011 13:52:27;	Dark ;	59.0;	172;	Gam Gru ;	3.00;	13100;occ;	118;	0;	48559
19;	6619.2;	13-JUN-2011 13:54:40;	Dark ;	41.5;	45;	Alp Pav ;	1.94;	26000;occ;	83;	0;	48559
20;	7216.3;	13-JUN-2011 14:04:37;	Dark ;	44.0;	25;	35Lam Sco ;	1.62;	28000;occ;	88;	0;	48559
21;	7318.7;	13-JUN-2011 14:06:19;	Dark ;	58.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	117;	0;	48559
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4;	2265.5;	13-JUN-2011 14:22:20;	Bright;	36.5;	127;	27Bet Her ;	2.78;	4700;occ;	73;	0;	48559
5;	2448.9;	13-JUN-2011 14:25:24;	Bright;	38.0;	133;	40Zet Her ;	2.81;	6000;occ;	76;	0;	48559
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 4; 2151.6; 13-JUN-2011 16:00:40; Bright; 44.0; 59; 55Alp Oph ; 2.08; 8900;occ; 88; 0;48560
 5; 2265.4; 13-JUN-2011 16:02:34; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;48560
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 19; 6489.1; 13-JUN-2011 17:12:58; Dark ; 56.5; 172; Gam Gru ; 3.00; 13100;occ; 113; 0;48561
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 9; 2947.7; 13-JUN-2011 17:54:10; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;48561
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 7; 2448.1; 13-JUN-2011 19:26:05; Bright; 38.5; 133; 40Zet Her ; 2.81; 6000;occ; 77; 0;48562
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 12; 4247.7; 13-JUN-2011 19:56:05; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;48562
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 14; 4593.8; 13-JUN-2011 20:01:51; Dark ; 49.5; 50; 13Alp Ari ; 2.01; 4250;occ; 99; 0;48562


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20; 6491.8; 13-JUN-2011 20:33:29; Dark ; 58.0; 172; Gam Gru ; 3.00; 13100;occ; 116; 0;48563
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8; 3860.5; 14-JUN-2011 10:51:43; Bright; 59.0; 74; 11Bet Cas ; 2.27; 6600;occ; 118; 0;48571
9; 3942.3; 14-JUN-2011 10:53:05; Bright; 57.5; 68; 18Alp Cas ; 2.22; 4500;occ; 115; 0;48571
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11; 4387.7; 14-JUN-2011 11:00:30; Dark ; 58.5; 53; 43Bet And ; 2.05; 3300;occ; 117; 0;48571
12; 4595.5; 14-JUN-2011 11:03:58; Dark ; 47.0; 50; 13Alp Ari ; 2.01; 4250;occ; 94; 0;48571
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4; 2446.3; 14-JUN-2011 12:08:23; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;48572

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14; 1332.2; 26-JUN-2011 07:49:27; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;48742
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2; 2113.4; 26-JUN-2011 08:02:28; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48742
3; 2665.9; 26-JUN-2011 08:11:41; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;48742
4; 2803.8; 26-JUN-2011 08:13:58; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48742
5; 3791.8; 26-JUN-2011 08:30:26; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48742
6; 3888.5; 26-JUN-2011 08:32:03; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48742
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8; 4247.4; 26-JUN-2011 08:38:02; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48742
9; 4397.7; 26-JUN-2011 08:40:32; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48742
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12; 5436.9; 26-JUN-2011 08:57:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48742
13; 6050.3; 26-JUN-2011 09:08:05; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48743
14; 6439.0; 26-JUN-2011 09:14:34; Dark ; 66.0; 63; Bet Gru ; 2.15; 2800;occ; 132; 0;48743
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16; 6723.8; 26-JUN-2011 09:19:18; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48743
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4; 2803.5; 26-JUN-2011 09:54:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48743
5; 3791.5; 26-JUN-2011 10:10:40; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48743
6; 3888.1; 26-JUN-2011 10:12:17; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;48743
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8; 4247.3; 26-JUN-2011 10:18:16; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48743
9; 4397.8; 26-JUN-2011 10:20:46; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48743
10; 4638.5; 26-JUN-2011 10:24:47; Dark ; 53.5; 50; 13Alp Ari ; 2.01; 4250;occ; 107; 0;48743
11; 4932.1; 26-JUN-2011 10:29:41; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48743
12; 5437.7; 26-JUN-2011 10:38:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48743
13; 6051.4; 26-JUN-2011 10:48:20; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;48744
14; 6439.9; 26-JUN-2011 10:54:48; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48744
15; 6559.5; 26-JUN-2011 10:56:48; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48744
16; 6724.4; 26-JUN-2011 10:59:33; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;48744
17; 7263.4; 26-JUN-2011 11:08:32; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;48744
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3; 2664.5; 26-JUN-2011 11:32:07; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;48744
4; 2803.2; 26-JUN-2011 11:34:26; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48744
5; 3790.5; 26-JUN-2011 11:50:53; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48744
6; 3887.6; 26-JUN-2011 11:52:30; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48744
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13; 6052.3; 26-JUN-2011 12:28:35; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;48745
14; 6441.2; 26-JUN-2011 12:35:04; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48745
15; 6560.4; 26-JUN-2011 12:37:03; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48745
16; 6725.0; 26-JUN-2011 12:39:47; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48745
17; 7263.9; 26-JUN-2011 12:48:46; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48745
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19; 7473.2; 26-JUN-2011 12:52:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48745

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3; 2664.2; 26-JUN-2011 13:12:21; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;48745
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5; 3790.4; 26-JUN-2011 13:31:07; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;48745
6; 3887.5; 26-JUN-2011 13:32:44; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48745
7; 4044.0; 26-JUN-2011 13:35:20; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48745
8; 4247.1; 26-JUN-2011 13:38:44; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48745
9; 4397.7; 26-JUN-2011 13:41:14; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48745
10; 4639.2; 26-JUN-2011 13:45:16; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48745
11; 4933.0; 26-JUN-2011 13:50:09; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48745
12; 5439.2; 26-JUN-2011 13:58:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48745
13; 6053.4; 26-JUN-2011 14:08:50; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;48746
14; 6442.0; 26-JUN-2011 14:15:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48746
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16; 6725.6; 26-JUN-2011 14:20:02; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48746
17; 7264.1; 26-JUN-2011 14:29:01; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48746
18; 7346.9; 26-JUN-2011 14:30:23; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;48746
19; 7473.5; 26-JUN-2011 14:32:30; Bright; 47.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 95; 0;48746

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3; 2663.5; 26-JUN-2011 14:52:34; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48746
4; 2802.6; 26-JUN-2011 14:54:53; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48746
5; 3790.2; 26-JUN-2011 15:11:21; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48746
6; 3887.2; 26-JUN-2011 15:12:58; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48746
7; 4044.1; 26-JUN-2011 15:15:34; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0;48746
8; 4247.0; 26-JUN-2011 15:18:57; Bright; 58.0; 73; 57Gam1And ; 2.26; 13100;occ; 116; 0;48746
9; 4398.1; 26-JUN-2011 15:21:28; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;48746
10; 4639.5; 26-JUN-2011 15:25:30; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48746
11; 4933.5; 26-JUN-2011 15:30:24; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48746
12; 5440.0; 26-JUN-2011 15:38:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48746
13; 6054.2; 26-JUN-2011 15:49:05; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48747
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3; 1459.6; 26-JUN-2011 16:12:44; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48747
4; 1971.7; 26-JUN-2011 16:21:16; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48747
5; 2112.7; 26-JUN-2011 16:23:37; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48747
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8; 3789.4; 26-JUN-2011 16:51:34; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48747
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 2; 1333.6; 26-JUN-2011 17:50:52; Dark ; 53.0; 116; 19Del Sgr ; 2.70; 4100;occ; 106; 0;48748
 3; 1459.9; 26-JUN-2011 17:52:58; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48748
 4; 1971.6; 26-JUN-2011 18:01:30; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48748
 5; 2112.5; 26-JUN-2011 18:03:51; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48748
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 19; 7349.7; 27-JUN-2011 08:53:00; Dark ; 41.0; 116; 19Del Sgr ; 2.70; 4100;occ; 82; 0;48757
 20; 7475.6; 27-JUN-2011 08:55:06; Bright; 46.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 92; 0;48757

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 3; 2657.4; 27-JUN-2011 09:15:02; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48757
 4; 2800.9; 27-JUN-2011 09:17:25; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48757
 5; 3352.2; 27-JUN-2011 09:26:37; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48757
 6; 3784.6; 27-JUN-2011 09:33:49; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48757
 7; 3882.5; 27-JUN-2011 09:35:27; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48757
 8; 4043.7; 27-JUN-2011 09:38:08; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48757
 9; 4246.6; 27-JUN-2011 09:41:31; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;48757
 10; 4398.8; 27-JUN-2011 09:44:03; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48757
 11; 4642.7; 27-JUN-2011 09:48:07; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48757
 12; 4937.4; 27-JUN-2011 09:53:02; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48757
 13; 5448.6; 27-JUN-2011 10:01:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48757
 14; 6065.2; 27-JUN-2011 10:11:50; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;48758
 15; 6453.6; 27-JUN-2011 10:18:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48758
 16; 6572.2; 27-JUN-2011 10:20:17; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48758
 17; 6731.5; 27-JUN-2011 10:22:56; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48758
 18; 7267.3; 27-JUN-2011 10:31:52; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48758
 19; 7350.0; 27-JUN-2011 10:33:14; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48758
 20; 7475.8; 27-JUN-2011 10:35:20; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48758

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 2; 2111.6; 27-JUN-2011 10:46:10; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48758
 3; 2656.8; 27-JUN-2011 10:55:15; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;48758
 4; 2800.3; 27-JUN-2011 10:57:39; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48758
 5; 3351.8; 27-JUN-2011 11:06:50; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48758
 6; 3784.1; 27-JUN-2011 11:14:02; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48758
 7; 3882.1; 27-JUN-2011 11:15:40; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48758
 8; 4043.5; 27-JUN-2011 11:18:22; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48758
 9; 4246.4; 27-JUN-2011 11:21:45; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48758
 10; 4398.7; 27-JUN-2011 11:24:17; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48758
 11; 4642.8; 27-JUN-2011 11:28:21; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48758
 12; 4937.7; 27-JUN-2011 11:33:16; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48758
 13; 5449.4; 27-JUN-2011 11:41:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48758
 14; 6066.0; 27-JUN-2011 11:52:04; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;48759
 15; 6454.7; 27-JUN-2011 11:58:33; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48759
 16; 6573.4; 27-JUN-2011 12:00:32; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48759
 17; 6732.3; 27-JUN-2011 12:03:11; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48759
 18; 7267.8; 27-JUN-2011 12:12:06; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;48759
 19; 7350.3; 27-JUN-2011 12:13:29; Dark ; 44.0; 116; 19Del Sgr ; 2.70; 4100;occ; 88; 0;48759
 20; 7476.2; 27-JUN-2011 12:15:34; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48759

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 3; 2656.4; 27-JUN-2011 12:35:29; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48759
 4; 2800.3; 27-JUN-2011 12:37:52; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48759
 5; 3351.0; 27-JUN-2011 12:47:03; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48759
 6; 3783.5; 27-JUN-2011 12:54:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48759
 7; 3881.8; 27-JUN-2011 12:55:54; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48759


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9; 4246.4; 27-JUN-2011 13:01:59; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48759
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11; 4643.2; 27-JUN-2011 13:08:35; Dark ; 58.5; 50; 13Alp Ari ; 2.01; 4250;occ; 117; 0;48759
12; 4938.2; 27-JUN-2011 13:13:30; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48759
13; 5450.2; 27-JUN-2011 13:22:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48759
14; 6066.9; 27-JUN-2011 13:32:19; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48760
15; 6455.7; 27-JUN-2011 13:38:48; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48760
16; 6574.1; 27-JUN-2011 13:40:46; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48760
17; 6732.7; 27-JUN-2011 13:43:25; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48760
18; 7267.9; 27-JUN-2011 13:52:20; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48760
19; 7350.4; 27-JUN-2011 13:53:43; Dark ; 47.0; 116; 19Del Sgr ; 2.70; 4100;occ; 94; 0;48760
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3; 2655.6; 27-JUN-2011 14:15:42; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48760
4; 2800.2; 27-JUN-2011 14:18:06; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;48760
5; 3350.6; 27-JUN-2011 14:27:17; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48760
6; 3783.2; 27-JUN-2011 14:34:29; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48760
7; 3881.6; 27-JUN-2011 14:36:08; Bright; 46.0; 68; 18Alp Cas ; 2.22; 4500;occ; 92; 0;48760
8; 4043.7; 27-JUN-2011 14:38:50; Bright; 35.0; 160; 23Gam Per ; 2.93; 4700;occ; 70; 0;48760
9; 4246.5; 27-JUN-2011 14:42:13; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48760
10; 4399.0; 27-JUN-2011 14:44:45; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48760
11; 4643.5; 27-JUN-2011 14:48:50; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48760
12; 4938.6; 27-JUN-2011 14:53:45; Dark ; 49.5; 94; 92Alp Cet ; 2.53; 3100;occ; 99; 0;48760
13; 5451.0; 27-JUN-2011 15:02:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48760
14; 6068.0; 27-JUN-2011 15:12:34; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48761
15; 6456.8; 27-JUN-2011 15:19:03; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48761
16; 6575.4; 27-JUN-2011 15:21:02; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48761
17; 6733.2; 27-JUN-2011 15:23:39; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48761
18; 7268.4; 27-JUN-2011 15:32:35; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48761
19; 7350.6; 27-JUN-2011 15:33:57; Dark ; 52.0; 116; 19Del Sgr ; 2.70; 4100;occ; 104; 0;48761
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3; 2111.6; 27-JUN-2011 15:46:52; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48761
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5; 2799.9; 27-JUN-2011 15:58:20; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48761
6; 3349.8; 27-JUN-2011 16:07:30; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48761
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9; 4043.6; 27-JUN-2011 16:19:04; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48761
10; 4246.4; 27-JUN-2011 16:22:27; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48761
11; 4399.4; 27-JUN-2011 16:24:59; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48761
12; 4643.8; 27-JUN-2011 16:29:04; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48761
13; 4938.9; 27-JUN-2011 16:33:59; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;48761
14; 5451.9; 27-JUN-2011 16:42:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48761
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16; 6457.9; 27-JUN-2011 16:59:18; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48762
17; 6576.2; 27-JUN-2011 17:01:16; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48762
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3; 1462.8; 27-JUN-2011 17:16:17; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48762
4; 1970.9; 27-JUN-2011 17:24:45; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48762
5; 2111.3; 27-JUN-2011 17:27:06; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48762
6; 2654.6; 27-JUN-2011 17:36:09; Bright; 47.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 94; 0;48762
7; 2799.7; 27-JUN-2011 17:38:34; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48762
8; 3349.0; 27-JUN-2011 17:47:43; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48762
9; 3782.2; 27-JUN-2011 17:54:56; Bright; 57.5; 74; 11Bet Cas ; 2.27; 6600;occ; 115; 0;48762
10; 3880.5; 27-JUN-2011 17:56:35; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48762
11; 4043.6; 27-JUN-2011 17:59:18; Bright; 42.0; 160; 23Gam Per ; 2.93; 4700;occ; 84; 0;48762
12; 4246.5; 27-JUN-2011 18:02:41; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48762
13; 4399.1; 27-JUN-2011 18:05:13; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48762
14; 4644.2; 27-JUN-2011 18:09:18; Dark ; 60.0; 50; 13Alp Ari ; 2.01; 4250;occ; 120; 0;48762
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18; 6458.6; 27-JUN-2011 18:39:33; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;48763
19; 6577.1; 27-JUN-2011 18:41:31; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48763
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 8; 3348.4; 27-JUN-2011 19:27:57; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;48763
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10; 3880.2; 27-JUN-2011 19:36:48; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;48763
11; 4043.6; 27-JUN-2011 19:39:32; Bright; 43.0; 160; 23Gam Per ; 2.93; 4700;occ; 86; 0;48763
12; 4246.1; 27-JUN-2011 19:42:54; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48763
13; 4399.3; 27-JUN-2011 19:45:28; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48763
14; 4644.4; 27-JUN-2011 19:49:33; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48763
15; 4939.6; 27-JUN-2011 19:54:28; Dark ; 44.0; 94; 92Alp Cet ; 2.53; 3100;occ; 88; 0;48763
16; 5453.4; 27-JUN-2011 20:03:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48763
17; 6071.0; 27-JUN-2011 20:13:19; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;48764
18; 6459.5; 27-JUN-2011 20:19:48; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;48764
19; 6577.8; 27-JUN-2011 20:21:46; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48764
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 5; 1255.9; 28-JUN-2011 01:34:00; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48767
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13; 3779.8; 28-JUN-2011 02:16:04; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48767
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9; 4245.8; 28-JUN-2011 10:45:00; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48772
10; 4399.9; 28-JUN-2011 10:47:34; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48772
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13; 5460.7; 28-JUN-2011 11:05:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48772
14; 6079.6; 28-JUN-2011 11:15:34; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48773
15; 6468.2; 28-JUN-2011 11:22:02; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48773
16; 6586.1; 28-JUN-2011 11:24:00; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48773
17; 6739.2; 28-JUN-2011 11:26:33; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48773
18; 7271.4; 28-JUN-2011 11:35:26; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48773
19; 7353.7; 28-JUN-2011 11:36:48; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48773
20; 7478.8; 28-JUN-2011 11:38:53; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48773
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3; 2648.8; 28-JUN-2011 11:58:37; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48773
4; 2797.5; 28-JUN-2011 12:01:06; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48773
5; 3341.5; 28-JUN-2011 12:10:09; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48773
6; 3776.9; 28-JUN-2011 12:17:25; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48773
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8; 4043.1; 28-JUN-2011 12:21:51; Bright; 41.5; 160; 23Gam Per ; 2.93; 4700;occ; 83; 0;48773
9; 4245.9; 28-JUN-2011 12:25:14; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48773
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12; 4943.5; 28-JUN-2011 12:36:52; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48773
13; 5461.5; 28-JUN-2011 12:45:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48773
14; 6080.6; 28-JUN-2011 12:55:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48774
15; 6469.2; 28-JUN-2011 13:02:17; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48774
16; 6587.0; 28-JUN-2011 13:04:15; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48774
17; 6739.7; 28-JUN-2011 13:06:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48774
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2; 2110.6; 28-JUN-2011 13:29:53; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48774
3; 2648.2; 28-JUN-2011 13:38:50; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48774
4; 2797.4; 28-JUN-2011 13:41:19; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48774
5; 3341.0; 28-JUN-2011 13:50:23; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48774
6; 3776.0; 28-JUN-2011 13:57:38; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48774
7; 3875.5; 28-JUN-2011 13:59:17; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48774
8; 4043.2; 28-JUN-2011 14:02:05; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0;48774
9; 4245.7; 28-JUN-2011 14:05:28; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48774
10; 4400.2; 28-JUN-2011 14:08:02; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48774
11; 4647.8; 28-JUN-2011 14:12:10; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48774
12; 4943.8; 28-JUN-2011 14:17:06; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48774
13; 5462.4; 28-JUN-2011 14:25:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48774
14; 6081.8; 28-JUN-2011 14:36:04; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;48775
15; 6470.3; 28-JUN-2011 14:42:32; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48775
16; 6587.8; 28-JUN-2011 14:44:30; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48775
17; 6740.3; 28-JUN-2011 14:47:02; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48775
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5; 2647.9; 28-JUN-2011 15:19:04; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48775
6; 2797.3; 28-JUN-2011 15:21:33; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48775
7; 3340.4; 28-JUN-2011 15:30:36; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48775
8; 3775.8; 28-JUN-2011 15:37:52; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48775
9; 3875.4; 28-JUN-2011 15:39:31; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48775

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 11; 4245.6; 28-JUN-2011 15:45:42; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48775
 12; 4400.1; 28-JUN-2011 15:48:16; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48775
 13; 4648.2; 28-JUN-2011 15:52:24; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48775
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 15; 5463.3; 28-JUN-2011 16:05:59; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48775
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 17; 6471.5; 28-JUN-2011 16:22:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48776
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 3; 1465.4; 28-JUN-2011 16:39:35; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48776
 4; 1970.4; 28-JUN-2011 16:48:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48776
 5; 2110.1; 28-JUN-2011 16:50:20; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48776
 6; 2647.3; 28-JUN-2011 16:59:17; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48776
 7; 2797.0; 28-JUN-2011 17:01:47; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48776
 8; 3339.4; 28-JUN-2011 17:10:49; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48776
 9; 3775.3; 28-JUN-2011 17:18:05; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;48776
 10; 3874.9; 28-JUN-2011 17:19:45; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48776
 11; 4043.1; 28-JUN-2011 17:22:33; Bright; 41.0; 160; 23Gam Per ; 2.93; 4700;occ; 82; 0;48776
 12; 4245.7; 28-JUN-2011 17:25:56; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48776
 13; 4400.0; 28-JUN-2011 17:28:30; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48776
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 15; 4944.8; 28-JUN-2011 17:37:35; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48776
 16; 5464.1; 28-JUN-2011 17:46:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48776
 17; 6083.7; 28-JUN-2011 17:56:34; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48777
 18; 6472.5; 28-JUN-2011 18:03:02; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48777
 19; 6589.9; 28-JUN-2011 18:05:00; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48777
 20; 6741.2; 28-JUN-2011 18:07:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48777

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 6; 2646.8; 28-JUN-2011 18:39:31; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48777
 7; 2796.6; 28-JUN-2011 18:42:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48777
 8; 3338.8; 28-JUN-2011 18:51:03; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48777
 9; 3774.8; 28-JUN-2011 18:58:19; Bright; 53.5; 74; 11Bet Cas ; 2.27; 6600;occ; 107; 0;48777
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 11; 4042.8; 28-JUN-2011 19:02:47; Bright; 37.0; 160; 23Gam Per ; 2.93; 4700;occ; 74; 0;48777
 12; 4245.4; 28-JUN-2011 19:06:09; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;48777
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 15; 4945.0; 28-JUN-2011 19:17:49; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48777
 16; 5464.9; 28-JUN-2011 19:26:29; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48777
 17; 6084.6; 28-JUN-2011 19:36:49; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;48778
 18; 6473.3; 28-JUN-2011 19:43:17; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48778
 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778
 20; 6741.5; 28-JUN-2011 19:47:46; Dark ; 47.5; 45; Alp Pav ; 1.94; 26000;occ; 95; 0;48778

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 3; 462.1; 29-JUN-2011 00:44:02; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48781
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 5; 728.9; 29-JUN-2011 00:48:29; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48781
 6; 1259.5; 29-JUN-2011 00:57:19; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48781
 7; 1341.6; 29-JUN-2011 00:58:41; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;48781
 8; 1466.4; 29-JUN-2011 01:00:46; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48781
 9; 1970.1; 29-JUN-2011 01:09:10; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48781
 10; 2109.6; 29-JUN-2011 01:11:30; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48781
 11; 2226.9; 29-JUN-2011 01:13:27; Bright; 33.0; 168; 17Zet Aql ; 2.99; 11000;occ; 66; 0;48781
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 13; 2795.9; 29-JUN-2011 01:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48781
 14; 3336.0; 29-JUN-2011 01:31:56; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48781
 15; 3772.7; 29-JUN-2011 01:39:13; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48781


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17; 4042.7; 29-JUN-2011 01:43:43; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48781
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21; 4946.8; 29-JUN-2011 01:58:47; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48781
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 3; 463.1; 29-JUN-2011 02:24:17; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48782
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 5; 729.6; 29-JUN-2011 02:28:43; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48782
 6; 1300.2; 29-JUN-2011 02:38:14; Dark ; 48.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 96; 0;48782
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10; 2226.4; 29-JUN-2011 02:53:40; Bright; 39.0; 168; 17Zet Aql ; 2.99; 11000;occ; 78; 0;48782
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13; 3335.3; 29-JUN-2011 03:12:09; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;48782
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 3;-1971.4; 29-JUN-2011 03:23:56; Bright; 43.5; 160; 23Gam Per ; 2.93; 4700;occ; 87; 0;48782
 4;-1769.0; 29-JUN-2011 03:27:19; Bright; 55.5; 73; 57Gam1And ; 2.26; 13100;occ; 111; 0;48782
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 6;-1363.7; 29-JUN-2011 03:34:04; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48782
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 5; 2795.0; 29-JUN-2011 14:44:47; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48789
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6; 1304.0; 30-JUN-2011 00:21:20; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48795
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9; 2109.2; 30-JUN-2011 00:34:45; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48795

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 13; 2907.7; 30-JUN-2011 00:48:03; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;48795
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 12; 4042.3; 29-JUN-2011 20:06:16; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48792
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11; 3853.9; 30-JUN-2011 21:06:38; Bright; 62.0; 110; 37Del Cas ; 2.68; 8900;occ; 124; 0;48807
12; 4041.4; 30-JUN-2011 21:09:45; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48807
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13; 1305.5; 30-JUN-2011 07:02:17; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48799
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8; 3763.5; 30-JUN-2011 07:43:15; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;48799
9; 3856.2; 30-JUN-2011 07:44:48; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;48799
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 9; 3855.4; 30-JUN-2011 12:45:29; Bright; 63.0; 110; 37Del Cas ; 2.68; 8900;occ; 126; 0;48802
 10; 4041.8; 30-JUN-2011 12:48:35; Bright; 39.0; 160; 23Gam Per ; 2.93; 4700;occ; 78; 0;48802

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16;	5486.3;	30-JUN-2011	13:12:40;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;48802
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4;	2634.0;	30-JUN-2011	14:05:22;	Bright;	45.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	91;	0;48803	
5;	2792.8;	30-JUN-2011	14:08:00;	Bright;	38.5;	130;	23Bet Dra	;	2.80;	5800;occ;	77;	0;48803	
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7;	3321.6;	30-JUN-2011	14:16:49;	Bright;	43.5;	89;	5Alp Cep	;	2.45;	8000;occ;	87;	0;48803	
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5;	2633.5;	30-JUN-2011	15:45:35;	Bright;	43.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	86;	0;48804	
6;	2792.6;	30-JUN-2011	15:48:14;	Bright;	37.0;	130;	23Bet Dra	;	2.80;	5800;occ;	74;	0;48804	
7;	2900.4;	30-JUN-2011	15:50:02;	Bright;	46.5;	144;	18Del Cyg	;	2.86;	11000;occ;	93;	0;48804	
8;	3320.9;	30-JUN-2011	15:57:02;	Bright;	45.0;	89;	5Alp Cep	;	2.45;	8000;occ;	90;	0;48804	
9;	3761.0;	30-JUN-2011	16:04:22;	Bright;	47.0;	74;	11Bet Cas	;	2.27;	6600;occ;	94;	0;48804	
10;	3854.9;	30-JUN-2011	16:05:56;	Bright;	54.0;	110;	37Del Cas	;	2.68;	8900;occ;	108;	0;48804	
11;	4041.8;	30-JUN-2011	16:09:03;	Bright;	56.0;	160;	23Gam Per	;	2.93;	4700;occ;	112;	0;48804	
12;	4145.3;	30-JUN-2011	16:10:47;	Bright;	33.5;	175;	39Del Per	;	3.01;	19400;occ;	67;	0;48804	
13;	4243.8;	30-JUN-2011	16:12:25;	Bright;	48.0;	73;	57Gam1And	;	2.26;	13100;occ;	96;	0;48804	
14;	4402.0;	30-JUN-2011	16:15:03;	Dark	;	49.5;	173;	4Bet Tri	;	3.00;	8900;occ;	99;	0;48804
15;	4657.4;	30-JUN-2011	16:19:19;	Dark	;	57.0;	50;	13Alp Ari	;	2.01;	4250;occ;	114;	0;48804
16;	4956.3;	30-JUN-2011	16:24:18;	Dark	;	49.5;	94;	92Alp Cet	;	2.53;	3100;occ;	99;	0;48804
17;	5488.2;	30-JUN-2011	16:33:10;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;48804
18;	6112.3;	30-JUN-2011	16:43:34;	Dark	;	50.0;	84;	Alp Phe	;	2.40;	4500;occ;	100;	0;48805
19;	6499.6;	30-JUN-2011	16:50:01;	Dark	;	49.5;	63;	Bet Gru	;	2.15;	2800;occ;	99;	0;48805
20;	6615.3;	30-JUN-2011	16:51:57;	Dark	;	50.0;	31;	Alp Gru	;	1.73;	15200;occ;	100;	0;48805
21;	6755.2;	30-JUN-2011	16:54:17;	Dark	;	41.5;	45;	Alp Pav	;	1.94;	26000;occ;	83;	0;48805
22;	7321.3;	30-JUN-2011	17:03:43;	Dark	;	46.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	93;	0;48805
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1;	1471.3;	30-JUN-2011	17:06:27;	Bright;	45.5;	155;	41Pi Sgr	;	2.90;	6600;occ;	91;	0;48805	
2;	1969.7;	30-JUN-2011	17:14:45;	Bright;	38.5;	126;	60Bet Oph	;	2.77;	4250;occ;	77;	0;48805	
3;	2109.0;	30-JUN-2011	17:17:05;	Bright;	36.5;	59;	55Alp Oph	;	2.08;	8900;occ;	73;	0;48805	
4;	2214.1;	30-JUN-2011	17:18:50;	Bright;	47.0;	168;	17Zet Aql	;	2.99;	11000;occ;	94;	0;48805	
5;	2633.0;	30-JUN-2011	17:25:49;	Bright;	47.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	95;	0;48805	
6;	2792.5;	30-JUN-2011	17:28:28;	Bright;	38.0;	130;	23Bet Dra	;	2.80;	5800;occ;	76;	0;48805	
7;	2899.6;	30-JUN-2011	17:30:15;	Bright;	47.5;	144;	18Del Cyg	;	2.86;	11000;occ;	95;	0;48805	
8;	3320.3;	30-JUN-2011	17:37:16;	Bright;	44.5;	89;	5Alp Cep	;	2.45;	8000;occ;	89;	0;48805	
9;	3760.4;	30-JUN-2011	17:44:36;	Bright;	68.0;	74;	11Bet Cas	;	2.27;	6600;occ;	136;	0;48805	
10;	3854.5;	30-JUN-2011	17:46:10;	Bright;	45.0;	110;	37Del Cas	;	2.68;	8900;occ;	90;	0;48805	

11; 4041.8; 30-JUN-2011 17:49:17; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48805
 12; 4145.4; 30-JUN-2011 17:51:01; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48805
 13; 4243.7; 30-JUN-2011 17:52:39; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48805
 14; 4402.2; 30-JUN-2011 17:55:18; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48805
 15; 4657.7; 30-JUN-2011 17:59:33; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;48805
 16; 4956.7; 30-JUN-2011 18:04:32; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48805
 17; 5489.1; 30-JUN-2011 18:13:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48805
 18; 6113.3; 30-JUN-2011 18:23:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48806
 19; 6500.5; 30-JUN-2011 18:30:16; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;48806
 20; 6616.1; 30-JUN-2011 18:32:12; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48806
 21; 6755.7; 30-JUN-2011 18:34:31; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48806

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 2; 1471.7; 30-JUN-2011 18:46:41; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48806
 3; 1969.8; 30-JUN-2011 18:54:59; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48806
 4; 2109.0; 30-JUN-2011 18:57:19; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48806
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 6; 2632.5; 30-JUN-2011 19:06:02; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48806
 7; 2792.3; 30-JUN-2011 19:08:42; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48806
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 9; 3319.6; 30-JUN-2011 19:17:29; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48806
 10; 3760.0; 30-JUN-2011 19:24:50; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48806
 11; 3854.2; 30-JUN-2011 19:26:24; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;48806
 12; 4041.6; 30-JUN-2011 19:29:31; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48806
 13; 4145.5; 30-JUN-2011 19:31:15; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48806
 14; 4243.7; 30-JUN-2011 19:32:53; Bright; 50.5; 73; 57Gam1And ; 2.26; 13100;occ; 101; 0;48806
 15; 4402.2; 30-JUN-2011 19:35:32; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48806
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 21; 6616.9; 30-JUN-2011 20:12:26; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48807
 22; 6756.1; 30-JUN-2011 20:14:46; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48807