

# GOMOS Daily Report 05-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	08JUN2011 09:43:51
Data source version	GOMOS/5.01
Start time of products	05JUN2011 00:05:52
Stop time of products	05JUN2011 23:58:37
Store outputs in DB	Yes
Nb of level 1b prods	277
Nb of prods with errors	3

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

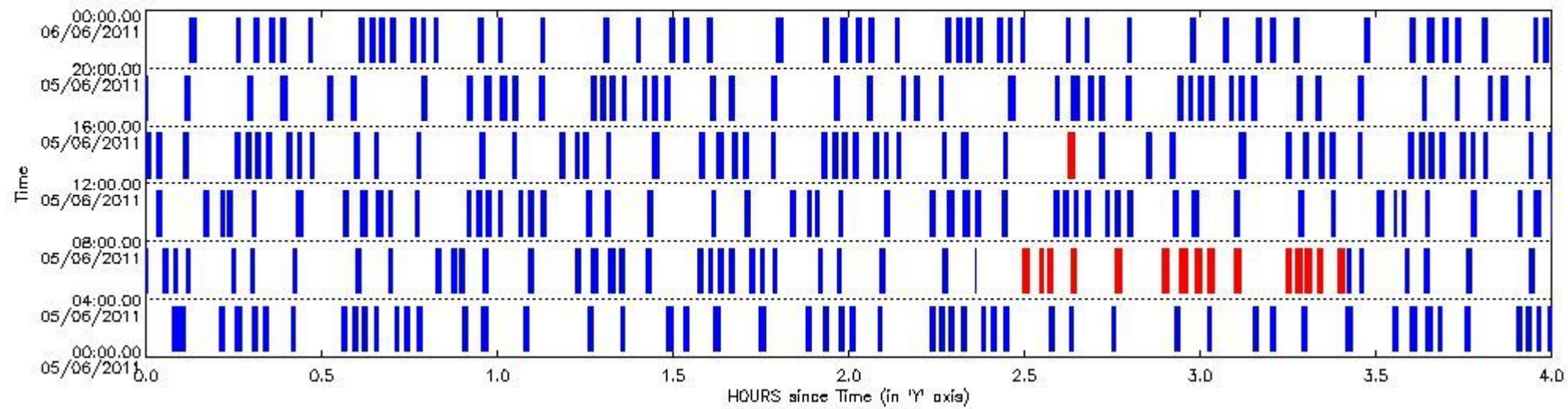
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
05-JUN-2011 06:29:42	43BetAnd	53	48439
05-JUN-2011 06:32:30	21AlpAnd	58	48439
05-JUN-2011 06:33:48	6BetAri	105	48439
05-JUN-2011 06:37:50	88GamPeg	140	48439
05-JUN-2011 06:45:33	DSA1034	0	48439
05-JUN-2011 06:53:33	AlpPhe	84	48439
05-JUN-2011 06:56:23	24AlpPsA	18	48439
05-JUN-2011 06:59:11	BetGru	63	48440
05-JUN-2011 07:01:08	AlpGru	31	48440
05-JUN-2011 07:05:47	AlpPav	45	48440
05-JUN-2011 07:14:35	TheSco	40	48440
05-JUN-2011 07:16:20	35LamSco	25	48440
05-JUN-2011 07:17:59	26EpsSco	75	48440
05-JUN-2011 07:19:57	23TauSco	136	48440
05-JUN-2011 07:23:24	35EtaOph	86	48440

## 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_1PNPDE20110605_000552_000000513103_00145_48435_3014.N1	05-JUN-2011 00:05:52	Dark	51.000	52	16Bet Cet	2.0370	4500.0	102	48435	No
2	GOM_TRA_1PNPDE20110605_001227_000000443103_00145_48435_3015.N1	05-JUN-2011 00:12:27	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	48435	No
3	GOM_TRA_1PNPDE20110605_001515_000000593103_00145_48435_3016.N1	05-JUN-2011 00:15:15	Dark	59.000	18	24Alp PsA	1.1660	9700.0	118	48435	No
4	GOM_TRA_1PNPDE20110605_001804_000000503103_00146_48436_3017.N1	05-JUN-2011 00:18:04	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	48436	No
5	GOM_TRA_1PNPDE20110605_002002_000000473103_00146_48436_3018.N1	05-JUN-2011 00:20:02	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48436	No
6	GOM_TRA_1PNPDE20110605_002441_000000423103_00146_48436_3019.N1	05-JUN-2011 00:24:41	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48436	No
7	GOM_TRA_1PNPDE20110605_003330_000000483103_00146_48436_3020.N1	05-JUN-2011 00:33:30	Straylight	48.000	40	The Sco	1.8590	7100.0	96	48436	No
8	GOM_TRA_1PNPDE20110605_003516_000000463103_00146_48436_3021.N1	05-JUN-2011 00:35:16	Twilight_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	48436	No
9	GOM_TRA_1PNPDE20110605_003655_000000433103_00146_48436_3022.N1	05-JUN-2011 00:36:55	Twilight_and_stray	43.000	75	26Eps Sco	2.2910	4250.0	86	48436	No
10	GOM_TRA_1PNPDE20110605_003853_000000453103_00146_48436_3023.N1	05-JUN-2011 00:38:53	Bright	45.000	136	23Tau Sco	2.8220	30000.	90	48436	No
11	GOM_TRA_1PNPDE20110605_004221_000000433103_00146_48436_3024.N1	05-JUN-2011 00:42:21	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	48436	No
12	GOM_TRA_1PNPDE20110605_004409_000000403103_00146_48436_3025.N1	05-JUN-2011 00:44:09	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48436	No
13	GOM_TRA_1PNPDE20110605_004617_000000393103_00146_48436_3026.N1	05-JUN-2011 00:46:17	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48436	No
14	GOM_TRA_1PNPDE20110605_005402_000000433103_00146_48436_3027.N1	05-JUN-2011 00:54:02	Bright	43.000	127	27Bet Her	2.7810	4700.0	86	48436	No
15	GOM_TRA_1PNPDE20110605_005719_000000593103_00146_48436_3028.N1	05-JUN-2011 00:57:19	Bright	59.000	133	40Zet Her	2.8070	6000.0	118	48436	No
16	GOM_TRA_1PNPDE20110605_010434_000000433103_00146_48436_3029.N1	05-JUN-2011 01:04:34	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48436	No
17	GOM_TRA_1PNPDE20110605_011522_000000493103_00146_48436_3030.N1	05-JUN-2011 01:15:22	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48436	No
18	GOM_TRA_1PNPDE20110605_012056_000000393103_00146_48436_3031.N1	05-JUN-2011 01:20:56	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	48436	No
19	GOM_TRA_1PNPDE20110605_012853_000000593103_00146_48436_3032.N1	05-JUN-2011 01:28:53	Bright	59.000	53	43Bet And	2.0480	3300.0	118	48436	No
20	GOM_TRA_1PNPDE20110605_013141_000000493103_00146_48436_3033.N1	05-JUN-2011 01:31:41	Twilight_and_stray	49.000	58	21Alp And	2.0730	11000.	98	48436	No
21	GOM_TRA_1PNPDE20110605_013700_000000563103_00146_48436_3034.N1	05-JUN-2011 01:37:00	Dark	55.500	140	88Gam Peg	2.8340	26000.	111	48436	No
22	GOM_TRA_1PNPDE20110605_015242_000000483103_00146_48436_3048.N1	05-JUN-2011 01:52:42	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48436	No
23	GOM_TRA_1PNPDE20110605_015530_000000593103_00146_48436_3049.N1	05-JUN-2011 01:55:30	Dark	58.500	18	24Alp PsA	1.1660	9700.0	117	48436	No
24	GOM_TRA_1PNPDE20110605_015819_000000493103_00147_48437_3050.N1	05-JUN-2011 01:58:19	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	48437	No
25	GOM_TRA_1PNPDE20110605_020016_000000473103_00147_48437_3051.N1	05-JUN-2011 02:00:16	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48437	No
26	GOM_TRA_1PNPDE20110605_020456_000000403103_00147_48437_3052.N1	05-JUN-2011 02:04:56	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	48437	No
27	GOM_TRA_1PNPDE20110605_021345_000000523103_00147_48437_3053.N1	05-JUN-2011 02:13:45	Straylight	52.000	40	The Sco	1.8590	7100.0	104	48437	No
28	GOM_TRA_1PNPDE20110605_021530_000000463103_00147_48437_3054.N1	05-JUN-2011 02:15:30	Twilight_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	48437	No
29	GOM_TRA_1PNPDE20110605_021709_000000453103_00147_48437_3055.N1	05-JUN-2011 02:17:09	Twilight_and_stray	44.500	75	26Eps Sco	2.2910	4250.0	89	48437	No
30	GOM_TRA_1PNPDE20110605_021907_000000553103_00147_48437_3056.N1	05-JUN-2011 02:19:07	Bright	55.000	136	23Tau Sco	2.8220	30000.	110	48437	No
31	GOM_TRA_1PNPDE20110605_022235_000000433103_00147_48437_3057.N1	05-JUN-2011 02:22:35	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	48437	No
32	GOM_TRA_1PNPDE20110605_022423_000000403103_00147_48437_3058.N1	05-JUN-2011 02:24:23	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48437	No
33	GOM_TRA_1PNPDE20110605_022631_000000403103_00147_48437_3059.N1	05-JUN-2011 02:26:31	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	48437	No
34	GOM_TRA_1PNPDE20110605_023416_000000403103_00147_48437_3060.N1	05-JUN-2011 02:34:16	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	48437	No
35	GOM_TRA_1PNPDE20110605_023733_000000433103_00147_48437_3061.N1	05-JUN-2011 02:37:33	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	48437	No
36	GOM_TRA_1PNPDE20110605_024448_000000433103_00147_48437_3062.N1	05-JUN-2011 02:44:48	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48437	No
37	GOM_TRA_1PNPDE20110605_025536_000000473103_00147_48437_3113.N1	05-JUN-2011 02:55:36	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48437	No
38	GOM_TRA_1PNPDE20110605_030110_000000353103_00147_48437_3114.N1	05-JUN-2011 03:01:10	Bright	35.000	76	27Gam Cas	2.3000	30000.	70	48437	No
39	GOM_TRA_1PNPDE20110605_030907_000000513103_00147_48437_3115.N1	05-JUN-2011 03:09:07	Bright	50.500	53	43Bet And	2.0480	3300.0	101	48437	No
40	GOM_TRA_1PNPDE20110605_031155_000000493103_00147_48437_3116.N1	05-JUN-2011 03:11:55	Twilight_and_stray	49.000	58	21Alp And	2.0730	11000.	98	48437	No
41	GOM_TRA_1PNPDE20110605_031714_000000563103_00147_48437_3117.N1	05-JUN-2011 03:17:14	Dark	56.000	140	88Gam Peg	2.8340	26000.	112	48437	No
42	GOM_TRA_1PNPDE20110605_033256_000000453103_00147_48437_3118.N1	05-JUN-2011 03:32:56	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	48437	No
43	GOM_TRA_1PNPDE20110605_033545_000000703103_00147_48437_3119.N1	05-JUN-2011 03:35:45	Dark	70.000	18	24Alp PsA	1.1660	9700.0	140	48437	No
44	GOM_TRA_1PNPDE20110605_033835_000000623103_00148_48438_3120.N1	05-JUN-2011 03:38:35	Dark	61.500	63	Bet Gru	2.1500	2800.0	123	48438	No
45	GOM_TRA_1PNPDE20110605_034031_000000473103_00148_48438_3121.N1	05-JUN-2011 03:40:31	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48438	No
46	GOM_TRA_1PNPDE20110605_034510_000000433103_00148_48438_3122.N1	05-JUN-2011 03:45:10	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48438	No
47	GOM_TRA_1PNPDE20110605_035359_000000443103_00148_48438_3123.N1	05-JUN-2011 03:53:59	Straylight	44.000	40	The Sco	1.8590	7100.0	88	48438	No
48	GOM_TRA_1PNPDE20110605_035545_000000453103_00148_48438_3124.N1	05-JUN-2011 03:55:45	Twilight_and_stray	45.000	25	35Lam Sco	1.6200	28000.	90	48438	No
49	GOM_TRA_1PNPDE20110605_035724_000000463103_00148_48438_3125.N1	05-JUN-2011 03:57:24	Twilight_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	48438	No
50	GOM_TRA_1PNPDE20110605_035922_000000453103_00148_48438_3126.N1	05-JUN-2011 03:59:22	Bright	44.500	136	23Tau Sco	2.8220	30000.	89	48438	No
51	GOM_TRA_1PNPDE20110605_040249_000000433103_00148_48438_3127.N1	05-JUN-2011 04:02:49	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	48438	No
52	GOM_TRA_1PNPDE20110605_040437_000000403103_00148_48438_3128.N1	05-JUN-2011 04:04:37	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48438	No
53	GOM_TRA_1PNPDE20110605_040646_000000393103_00148_48438_3129.N1	05-JUN-2011 04:06:46	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48438	No

54	GOM_TRA_1PNPDE20110605_041430_000000423103_00148_48438_3130.N1	05-JUN-2011 04:14:30	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	48438	No
55	GOM_TRA_1PNPDE20110605_041746_000000433103_00148_48438_3131.N1	05-JUN-2011 04:17:46	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	48438	No
56	GOM_TRA_1PNPDE20110605_042501_000000433103_00148_48438_3132.N1	05-JUN-2011 04:25:01	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48438	No
57	GOM_TRA_1PNPDE20110605_043549_000000483103_00148_48438_3133.N1	05-JUN-2011 04:35:49	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48438	No
58	GOM_TRA_1PNPDE20110605_044124_000000363103_00148_48438_3135.N1	05-JUN-2011 04:41:24	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	48438	No
59	GOM_TRA_1PNPDE20110605_044921_000000483103_00148_48438_3136.N1	05-JUN-2011 04:49:21	Bright	48.000	53	43Bet And	2.0480	3300.0	96	48438	No
60	GOM_TRA_1PNPDE20110605_045209_000000413103_00148_48438_3137.N1	05-JUN-2011 04:52:09	Twilight	41.000	58	21Alp And	2.0730	11000.	82	48438	No
61	GOM_TRA_1PNPDE20110605_045327_000000433103_00148_48438_3138.N1	05-JUN-2011 04:53:27	Twilight	42.500	105	6Bet Ari	2.6450	8900.0	85	48438	No
62	GOM_TRA_1PNPDE20110605_045729_000000473103_00148_48438_3139.N1	05-JUN-2011 04:57:29	Dark	47.000	140	88Gam Peg	2.8340	26000.	94	48438	No
63	GOM_TRA_1PNPDE20110605_051311_000000513103_00148_48438_3140.N1	05-JUN-2011 05:13:11	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	48438	No
64	GOM_TRA_1PNPDE20110605_051601_000000603103_00148_48438_3141.N1	05-JUN-2011 05:16:01	Dark	59.500	18	24Alp PsA	1.1660	9700.0	119	48438	No
65	GOM_TRA_1PNPDE20110605_051849_000000643103_00149_48439_3142.N1	05-JUN-2011 05:18:49	Dark	63.500	63	Bet Gru	2.1500	2800.0	127	48439	No
66	GOM_TRA_1PNPDE20110605_052046_000000483103_00149_48439_3143.N1	05-JUN-2011 05:20:46	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48439	No
67	GOM_TRA_1PNPDE20110605_052525_000000443103_00149_48439_3144.N1	05-JUN-2011 05:25:25	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48439	No
68	GOM_TRA_1PNPDE20110605_053414_000000453103_00149_48439_3145.N1	05-JUN-2011 05:34:14	Straylight	44.500	40	The Sco	1.8590	7100.0	89	48439	No
69	GOM_TRA_1PNPDE20110605_053559_000000433103_00149_48439_3146.N1	05-JUN-2011 05:35:59	Twilight	43.000	25	35Lam Sco	1.6200	28000.	86	48439	No
70	GOM_TRA_1PNPDE20110605_053738_000000453103_00149_48439_3147.N1	05-JUN-2011 05:37:38	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	48439	No
71	GOM_TRA_1PNPDE20110605_053936_000000443103_00149_48439_3148.N1	05-JUN-2011 05:39:36	Bright	44.000	136	23Tau Sco	2.8220	30000.	88	48439	No
72	GOM_TRA_1PNPDE20110605_054304_000000433103_00149_48439_3149.N1	05-JUN-2011 05:43:04	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	48439	No
73	GOM_TRA_1PNPDE20110605_054452_000000403103_00149_48439_3150.N1	05-JUN-2011 05:44:52	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48439	No
74	GOM_TRA_1PNPDE20110605_054700_000000393103_00149_48439_3151.N1	05-JUN-2011 05:47:00	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48439	No
75	GOM_TRA_1PNPDE20110605_055444_000000423103_00149_48439_3152.N1	05-JUN-2011 05:54:44	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	48439	No
76	GOM_TRA_1PNPDE20110605_055800_000000413103_00149_48439_3153.N1	05-JUN-2011 05:58:00	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	48439	No
77	GOM_TRA_1PNPDE20110605_060515_000000433103_00149_48439_3154.N1	05-JUN-2011 06:05:15	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48439	No
78	GOM_TRA_1PNPDE20110605_061602_000000473103_00149_48439_3155.N1	05-JUN-2011 06:16:02	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48439	No
79	GOM_TRA_1PNPDK20110605_062138_000000383103_00149_48439_9812.N1	05-JUN-2011 06:21:38	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	48439	No
80	GOM_TRA_1PNPDK20110605_072505_000000403103_00150_48440_9881.N1	05-JUN-2011 07:25:05	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48440	No
81	GOM_TRA_1PNPDK20110605_072714_000000393103_00150_48440_9882.N1	05-JUN-2011 07:27:14	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	48440	No
82	GOM_TRA_1PNPDK20110605_073458_000000433103_00150_48440_9883.N1	05-JUN-2011 07:34:58	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	48440	No
83	GOM_TRA_1PNPDK20110605_073814_000000433103_00150_48440_9884.N1	05-JUN-2011 07:38:14	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	48440	No
84	GOM_TRA_1PNPDK20110605_074529_000000513103_00150_48440_9885.N1	05-JUN-2011 07:45:29	Bright	51.000	130	23Bet Dra	2.7990	5800.0	102	48440	No
85	GOM_TRA_1PNPDK20110605_075616_000000483103_00150_48440_9886.N1	05-JUN-2011 07:56:16	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48440	No
86	GOM_TRA_1PNPDK20110605_080152_000000393103_00150_48440_9887.N1	05-JUN-2011 08:01:52	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	48440	No
87	GOM_TRA_1PNPDK20110605_080949_000000493103_00150_48440_9888.N1	05-JUN-2011 08:09:49	Bright	49.000	53	43Bet And	2.0480	3300.0	98	48440	No
88	GOM_TRA_1PNPDK20110605_081238_000000333103_00150_48440_9889.N1	05-JUN-2011 08:12:38	Twilight	33.000	58	21Alp And	2.0730	11000.	66	48440	No
89	GOM_TRA_1PNPDK20110605_081355_000000443103_00150_48440_9890.N1	05-JUN-2011 08:13:55	Twilight	44.000	105	6Bet Ari	2.6450	8900.0	88	48440	No
90	GOM_TRA_1PNPDK20110605_081758_000000393103_00150_48440_9891.N1	05-JUN-2011 08:17:58	Dark	39.000	140	88Gam Peg	2.8340	26000.	78	48440	No
91	GOM_TRA_1PNPDK20110605_083341_000000463103_00150_48440_9892.N1	05-JUN-2011 08:33:41	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48440	No
92	GOM_TRA_1PNPDK20110605_083632_000000673103_00150_48440_9893.N1	05-JUN-2011 08:36:32	Dark	66.500	18	24Alp PsA	1.1660	9700.0	133	48440	No
93	GOM_TRA_1PNPDK20110605_083919_000000643103_00151_48441_9894.N1	05-JUN-2011 08:39:19	Dark	64.000	63	Bet Gru	2.1500	2800.0	128	48441	No
94	GOM_TRA_1PNPDK20110605_084116_000000473103_00151_48441_9895.N1	05-JUN-2011 08:41:16	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48441	No
95	GOM_TRA_1PNPDK20110605_084555_000000433103_00151_48441_9896.N1	05-JUN-2011 08:45:55	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48441	No
96	GOM_TRA_1PNPDK20110605_085442_000000453103_00151_48441_9897.N1	05-JUN-2011 08:54:42	Straylight	44.500	40	The Sco	1.8590	7100.0	89	48441	No
97	GOM_TRA_1PNPDK20110605_085628_000000453103_00151_48441_9898.N1	05-JUN-2011 08:56:28	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	48441	No
98	GOM_TRA_1PNPDK20110605_085807_000000483103_00151_48441_9899.N1	05-JUN-2011 08:58:07	Twilight	48.000	75	26Eps Sco	2.2910	4250.0	96	48441	No
99	GOM_TRA_1PNPDK20110605_090004_000000443103_00151_48441_9900.N1	05-JUN-2011 09:00:04	Bright	44.000	136	23Tau Sco	2.8220	30000.	88	48441	No
100	GOM_TRA_1PNPDK20110605_090332_000000443103_00151_48441_9901.N1	05-JUN-2011 09:03:32	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	48441	No
101	GOM_TRA_1PNPDK20110605_090520_000000403103_00151_48441_9971.N1	05-JUN-2011 09:05:20	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48441	Yes
102	GOM_TRA_1PNPDK20110605_090728_000000393103_00151_48441_9972.N1	05-JUN-2011 09:07:28	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	48441	No
103	GOM_TRA_1PNPDK20110605_091511_000000423103_00151_48441_9973.N1	05-JUN-2011 09:15:11	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	48441	No
104	GOM_TRA_1PNPDK20110605_091827_000000433103_00151_48441_9974.N1	05-JUN-2011 09:18:27	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	48441	No
105	GOM_TRA_1PNPDK20110605_092542_000000443103_00151_48441_9975.N1	05-JUN-2011 09:25:42	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	48441	No
106	GOM_TRA_1PNPDK20110605_093629_000000463103_00151_48441_9976.N1	05-JUN-2011 09:36:29	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48441	No
107	GOM_TRA_1PNPDK20110605_094205_000000573103_00151_48441_9977.N1	05-JUN-2011 09:42:05	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	48441	No
108	GOM_TRA_1PNPDK20110605_095003_000000503103_00151_48441_9978.N1	05-JUN-2011 09:50:03	Bright	50.000	53	43Bet And	2.0480	3300.0	100	48441	No
109	GOM_TRA_1PNPDK20110605_095252_000000333103_00151_48441_9979.N1	05-JUN-2011 09:52:52	Twilight	33.000	58	21Alp And	2.0730	11000.	66	48441	No
110	GOM_TRA_1PNPDK20110605_095410_000000443103_00151_48441_9980.N1	05-JUN-2011 09:54:10	Twilight	43.500	105	6Bet Ari	2.6450	8900.0	87	48441	No
111	GOM_TRA_1PNPDK20110605_095813_000000393103_00151_48441_9981.N1	05-JUN-2011 09:58:13	Dark	39.000	140	88Gam Peg	2.8340	26000.	78	48441	No
112	GOM_TRA_1PNPDK20110605_101355_000000453103_00151_48441_9982.N1	05-JUN-2011 10:13:55	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	48441	No



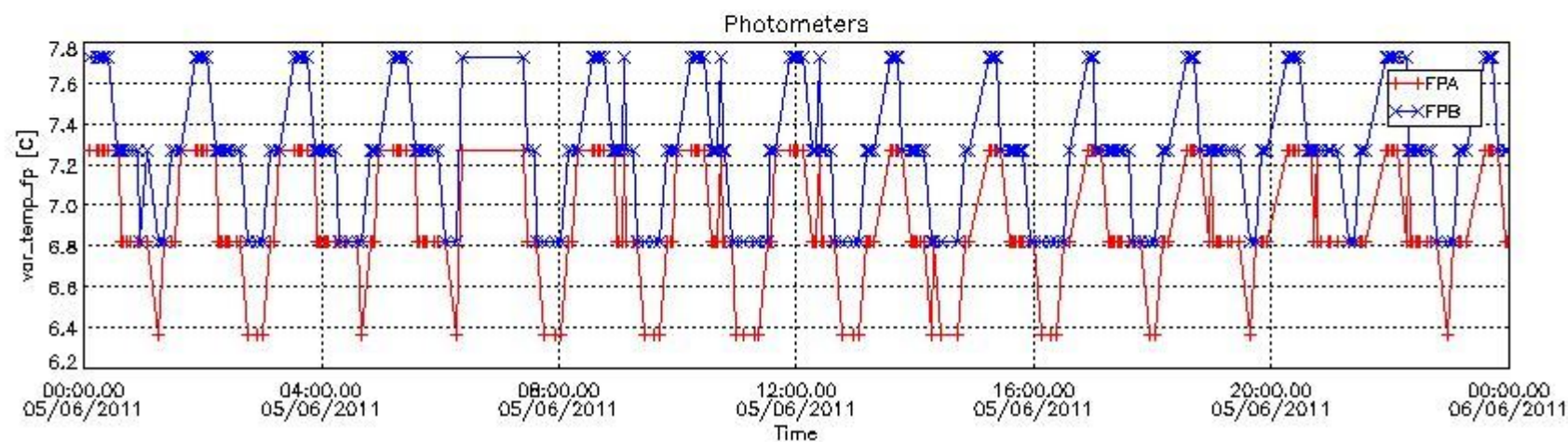
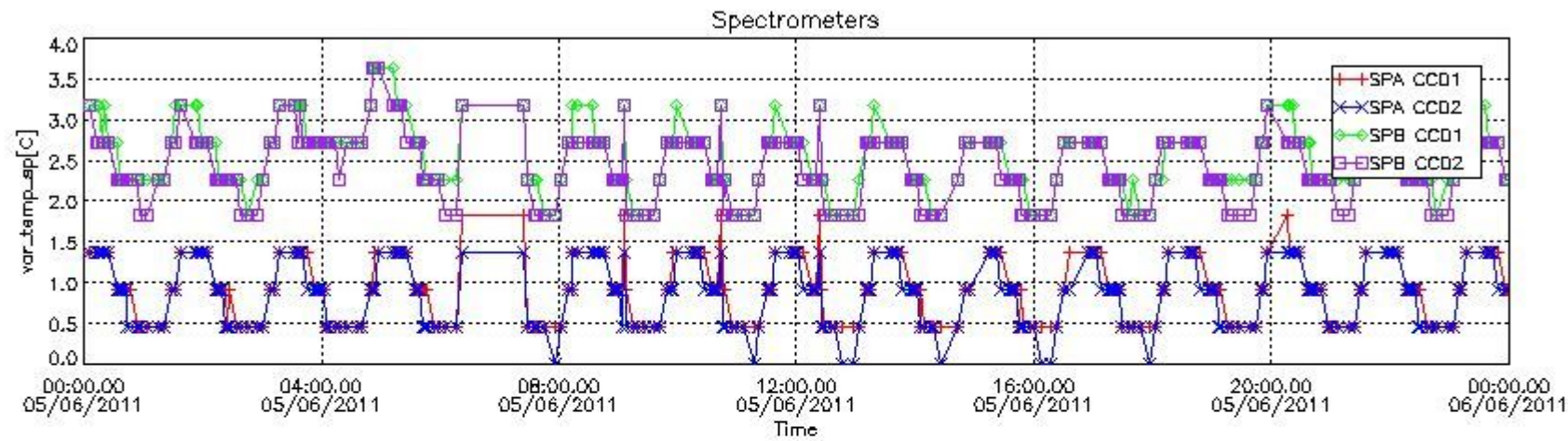
113	GOM_TRA_1PNPDK20110605_101647_000000703103_00151_48441_9983.N1	05-JUN-2011 10:16:47	Dark	69.500	18	24Alp PsA	1.1660	9700.0	139	48441	No
114	GOM_TRA_1PNPDK20110605_101934_000000573103_00152_48442_9984.N1	05-JUN-2011 10:19:34	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	48442	No
115	GOM_TRA_1PNPDK20110605_102132_000000483103_00152_48442_9985.N1	05-JUN-2011 10:21:32	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48442	No
116	GOM_TRA_1PNPDK20110605_102609_000000493103_00152_48442_9986.N1	05-JUN-2011 10:26:09	Straylight	49.000	45	Alp Pav	1.9400	26000.	98	48442	No
117	GOM_TRA_1PNPDK20110605_103457_000000453103_00152_48442_9987.N1	05-JUN-2011 10:34:57	Straylight	45.000	40	The Sco	1.8590	7100.0	90	48442	No
118	GOM_TRA_1PNPDK20110605_103642_000000483103_00152_48442_9988.N1	05-JUN-2011 10:36:42	Twilight	47.500	25	35Lam Sco	1.6200	28000.	95	48442	No
119	GOM_TRA_1PNPDK20110605_103821_000000453103_00152_48442_9989.N1	05-JUN-2011 10:38:21	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	48442	No
120	GOM_TRA_1PNPDK20110605_104018_000000463103_00152_48442_9990.N1	05-JUN-2011 10:40:18	Bright	45.500	136	23Tau Sco	2.8220	30000.	91	48442	No
121	GOM_TRA_1PNPDK20110605_104346_000000443103_00152_48442_0072.N1	05-JUN-2011 10:43:46	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	48442	Yes
122	GOM_TRA_1PNPDK20110605_104534_000000403103_00152_48442_0073.N1	05-JUN-2011 10:45:34	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48442	No
123	GOM_TRA_1PNPDK20110605_104742_000000383103_00152_48442_0074.N1	05-JUN-2011 10:47:42	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48442	No
124	GOM_TRA_1PNPDK20110605_105525_000000413103_00152_48442_0075.N1	05-JUN-2011 10:55:25	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	48442	No
125	GOM_TRA_1PNPDK20110605_105841_000000563103_00152_48442_0076.N1	05-JUN-2011 10:58:41	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	48442	No
126	GOM_TRA_1PNPDK20110605_110555_000000443103_00152_48442_0077.N1	05-JUN-2011 11:05:55	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	48442	No
127	GOM_TRA_1PNPDK20110605_111643_000000493103_00152_48442_0078.N1	05-JUN-2011 11:16:43	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	48442	No
128	GOM_TRA_1PNPDK20110605_112219_000000433103_00152_48442_0079.N1	05-JUN-2011 11:22:19	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	48442	No
129	GOM_TRA_1PNPDK20110605_113017_000000503103_00152_48442_0080.N1	05-JUN-2011 11:30:17	Bright	50.000	53	43Bet And	2.0480	3300.0	100	48442	No
130	GOM_TRA_1PNPDK20110605_113306_000000253103_00152_48442_0081.N1	05-JUN-2011 11:33:06	Twilight	25.000	58	21Alp And	2.0730	11000.	50	48442	No
131	GOM_TRA_1PNPDK20110605_113424_000000423103_00152_48442_0082.N1	05-JUN-2011 11:34:24	Twilight	42.000	105	6Bet Ari	2.6450	8900.0	84	48442	No
132	GOM_TRA_1PNPDK20110605_113827_000000303103_00152_48442_0083.N1	05-JUN-2011 11:38:27	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	48442	No
133	GOM_TRA_1PNPDK20110605_115410_000000443103_00152_48442_0084.N1	05-JUN-2011 11:54:10	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	48442	No
134	GOM_TRA_1PNPDK20110605_115702_000000583103_00152_48442_0085.N1	05-JUN-2011 11:57:02	Dark	57.500	18	24Alp PsA	1.1660	9700.0	115	48442	No
135	GOM_TRA_1PNPDK20110605_115949_000000493103_00153_48443_0086.N1	05-JUN-2011 11:59:49	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	48443	No
136	GOM_TRA_1PNPDK20110605_120146_000000463103_00153_48443_0087.N1	05-JUN-2011 12:01:46	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48443	No
137	GOM_TRA_1PNPDK20110605_120624_000000413103_00153_48443_0088.N1	05-JUN-2011 12:06:24	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48443	No
138	GOM_TRA_1PNPDK20110605_121511_000000483103_00153_48443_0089.N1	05-JUN-2011 12:15:11	Straylight	47.500	40	The Sco	1.8590	7100.0	95	48443	No
139	GOM_TRA_1PNPDK20110605_121657_000000483103_00153_48443_0090.N1	05-JUN-2011 12:16:57	Twilight	48.000	25	35Lam Sco	1.6200	28000.	96	48443	No
140	GOM_TRA_1PNPDK20110605_121835_000000473103_00153_48443_0091.N1	05-JUN-2011 12:18:35	Twilight	47.000	75	26Eps Sco	2.2910	4250.0	94	48443	No
141	GOM_TRA_1PNPDK20110605_122033_000000453103_00153_48443_0092.N1	05-JUN-2011 12:20:33	Bright	45.000	136	23Tau Sco	2.8220	30000.	90	48443	No
142	GOM_TRA_1PNPDK20110605_122400_000000443103_00153_48443_0137.N1	05-JUN-2011 12:24:00	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	48443	Yes
143	GOM_TRA_1PNPDK20110605_122548_000000403103_00153_48443_0138.N1	05-JUN-2011 12:25:48	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48443	No
144	GOM_TRA_1PNPDK20110605_122756_000000383103_00153_48443_0139.N1	05-JUN-2011 12:27:56	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48443	No
145	GOM_TRA_1PNPDK20110605_123539_000000383103_00153_48443_0140.N1	05-JUN-2011 12:35:39	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	48443	No
146	GOM_TRA_1PNPDK20110605_123855_000000423103_00153_48443_0141.N1	05-JUN-2011 12:38:55	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	48443	No
147	GOM_TRA_1PNPDK20110605_124609_000000403103_00153_48443_0142.N1	05-JUN-2011 12:46:09	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	48443	No
148	GOM_TRA_1PNPDK20110605_125656_000000473103_00153_48443_0143.N1	05-JUN-2011 12:56:56	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48443	No
149	GOM_TRA_1PNPDK20110605_130233_000000373103_00153_48443_0144.N1	05-JUN-2011 13:02:33	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	48443	No
150	GOM_TRA_1PNPDK20110605_131032_000000503103_00153_48443_0145.N1	05-JUN-2011 13:10:32	Bright	49.500	53	43Bet And	2.0480	3300.0	99	48443	No
151	GOM_TRA_1PNPDK20110605_131320_000000253103_00153_48443_0146.N1	05-JUN-2011 13:13:20	Twilight	25.000	58	21Alp And	2.0730	11000.	50	48443	No
152	GOM_TRA_1PNPDK20110605_131438_000000433103_00153_48443_0147.N1	05-JUN-2011 13:14:38	Twilight	42.500	105	6Bet Ari	2.6450	8900.0	85	48443	No
153	GOM_TRA_1PNPDK20110605_131842_000000303103_00153_48443_0148.N1	05-JUN-2011 13:18:42	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	48443	No
154	GOM_TRA_1PNPDK20110605_133424_000000473103_00153_48443_0149.N1	05-JUN-2011 13:34:24	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	48443	No
155	GOM_TRA_1PNPDK20110605_133718_000000683103_00153_48443_0150.N1	05-JUN-2011 13:37:18	Dark	68.000	18	24Alp PsA	1.1660	9700.0	136	48443	No
156	GOM_TRA_1PNPDK20110605_134004_000000573103_00154_48444_0151.N1	05-JUN-2011 13:40:04	Dark	57.000	63	Bet Gru	2.1500	2800.0	114	48444	No
157	GOM_TRA_1PNPDK20110605_134201_000000483103_00154_48444_0152.N1	05-JUN-2011 13:42:01	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48444	No
158	GOM_TRA_1PNPDK20110605_134639_000000433103_00154_48444_0153.N1	05-JUN-2011 13:46:39	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48444	No
159	GOM_TRA_1PNPDK20110605_135525_000000463103_00154_48444_0154.N1	05-JUN-2011 13:55:25	Straylight	45.500	40	The Sco	1.8590	7100.0	91	48444	No
160	GOM_TRA_1PNPDK20110605_135711_000000453103_00154_48444_0155.N1	05-JUN-2011 13:57:11	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	48444	No
161	GOM_TRA_1PNPDK20110605_135849_000000463103_00154_48444_0156.N1	05-JUN-2011 13:58:49	Twilight	46.000	75	26Eps Sco	2.2910	4250.0	92	48444	No
162	GOM_TRA_1PNPDK20110605_140047_000000493103_00154_48444_0157.N1	05-JUN-2011 14:00:47	Bright	49.000	136	23Tau Sco	2.8220	30000.	98	48444	No
163	GOM_TRA_1PNPDK20110605_140414_000000443103_00154_48444_0190.N1	05-JUN-2011 14:04:14	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	48444	No
164	GOM_TRA_1PNPDK20110605_140602_000000403103_00154_48444_0191.N1	05-JUN-2011 14:06:02	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48444	No
165	GOM_TRA_1PNPDK20110605_140810_000000383103_00154_48444_0192.N1	05-JUN-2011 14:08:10	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48444	No
166	GOM_TRA_1PNPDK20110605_141552_000000403103_00154_48444_0193.N1	05-JUN-2011 14:15:52	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48444	No
167	GOM_TRA_1PNPDK20110605_141908_000000603103_00154_48444_0194.N1	05-JUN-2011 14:19:08	Bright	60.000	133	40Zet Her	2.8070	6000.0	120	48444	No
168	GOM_TRA_1PNPDK20110605_142622_000000433103_00154_48444_0195.N1	05-JUN-2011 14:26:22	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48444	No
169	GOM_TRA_1PNPDK20110605_144247_000000513103_00154_48444_0196.N1	05-JUN-2011 14:42:47	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	48444	No
170	GOM_TRA_1PNPDK20110605_145046_000000473103_00154_48444_0197.N1	05-JUN-2011 14:50:46	Bright	47.000	53	43Bet And	2.0480	3300.0	94	48444	No
171	GOM_TRA_1PNPDK20110605_145452_000000433103_00154_48444_0198.N1	05-JUN-2011 14:54:52	Twilight	42.500	105	6Bet Ari	2.6450	8900.0	85	48444	No

172	GOM_TRA_1PNPDK20110605_151439_000000473103_00154_48444_0199.N1	05-JUN-2011 15:14:39	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48444	No
173	GOM_TRA_1PNPDK20110605_151733_000000573103_00154_48444_0200.N1	05-JUN-2011 15:17:33	Dark	56.500	18	24Alp PsA	1.1660	9700.0	113	48444	No
174	GOM_TRA_1PNPDK20110605_152019_000000523103_00155_48445_0201.N1	05-JUN-2011 15:20:19	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48445	No
175	GOM_TRA_1PNPDK20110605_152216_000000493103_00155_48445_0202.N1	05-JUN-2011 15:22:16	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48445	No
176	GOM_TRA_1PNPDK20110605_152653_000000423103_00155_48445_0203.N1	05-JUN-2011 15:26:53	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48445	No
177	GOM_TRA_1PNPDK20110605_153540_000000483103_00155_48445_0204.N1	05-JUN-2011 15:35:40	Straylight	48.000	40	The Sco	1.8590	7100.0	96	48445	No
178	GOM_TRA_1PNPDK20110605_153725_000000463103_00155_48445_0205.N1	05-JUN-2011 15:37:25	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	48445	No
179	GOM_TRA_1PNPDK20110605_153903_000000453103_00155_48445_0206.N1	05-JUN-2011 15:39:03	Tw_i_and_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	48445	No
180	GOM_TRA_1PNPDK20110605_154101_000000433103_00155_48445_0248.N1	05-JUN-2011 15:41:01	Bright	43.000	136	23Tau Sco	2.8220	30000.	86	48445	No
181	GOM_TRA_1PNPDK20110605_154428_000000433103_00155_48445_0249.N1	05-JUN-2011 15:44:28	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	48445	No
182	GOM_TRA_1PNPDK20110605_154616_000000403103_00155_48445_0250.N1	05-JUN-2011 15:46:16	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48445	No
183	GOM_TRA_1PNPDK20110605_154824_000000383103_00155_48445_0251.N1	05-JUN-2011 15:48:24	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48445	No
184	GOM_TRA_1PNPDK20110605_155606_000000403103_00155_48445_0252.N1	05-JUN-2011 15:56:06	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48445	No
185	GOM_TRA_1PNPDK20110605_155922_000000433103_00155_48445_0253.N1	05-JUN-2011 15:59:22	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	48445	No
186	GOM_TRA_1PNPDK20110605_160636_000000453103_00155_48445_0254.N1	05-JUN-2011 16:06:36	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	48445	No
187	GOM_TRA_1PNPDK20110605_161723_000000483103_00155_48445_0255.N1	05-JUN-2011 16:17:23	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48445	No
188	GOM_TRA_1PNPDK20110605_162301_000000573103_00155_48445_0256.N1	05-JUN-2011 16:23:01	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	48445	No
189	GOM_TRA_1PNPDK20110605_163100_000000483103_00155_48445_0257.N1	05-JUN-2011 16:31:00	Bright	48.000	53	43Bet And	2.0480	3300.0	96	48445	No
190	GOM_TRA_1PNPDK20110605_163507_000000423103_00155_48445_0258.N1	05-JUN-2011 16:35:07	Twilight	42.000	105	6Bet Ari	2.6450	8900.0	84	48445	No
191	GOM_TRA_1PNPDK20110605_165454_000000403103_00155_48445_0259.N1	05-JUN-2011 16:54:54	Dark	40.000	84	Alp Phe	2.3970	4500.0	80	48445	No
192	GOM_TRA_1PNPDK20110605_165749_000000583103_00155_48445_0260.N1	05-JUN-2011 16:57:49	Dark	57.500	18	24Alp PsA	1.1660	9700.0	115	48445	No
193	GOM_TRA_1PNPDK20110605_170034_000000543103_00156_48446_0261.N1	05-JUN-2011 17:00:34	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	48446	No
194	GOM_TRA_1PNPDK20110605_170231_000000473103_00156_48446_0262.N1	05-JUN-2011 17:02:31	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48446	No
195	GOM_TRA_1PNPDK20110605_170708_000000423103_00156_48446_0263.N1	05-JUN-2011 17:07:08	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48446	No
196	GOM_TRA_1PNPDK20110605_171554_000000463103_00156_48446_0264.N1	05-JUN-2011 17:15:54	Straylight	46.000	40	The Sco	1.8590	7100.0	92	48446	No
197	GOM_TRA_1PNPDK20110605_171740_000000483103_00156_48446_0351.N1	05-JUN-2011 17:17:40	Tw_i_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	48446	No
198	GOM_TRA_1PNPDK20110605_171918_000000453103_00156_48446_0352.N1	05-JUN-2011 17:19:18	Tw_i_and_stray	44.500	75	26Eps Sco	2.2910	4250.0	89	48446	No
199	GOM_TRA_1PNPDK20110605_172115_000000413103_00156_48446_0353.N1	05-JUN-2011 17:21:15	Bright	41.000	136	23Tau Sco	2.8220	30000.	82	48446	No
200	GOM_TRA_1PNPDK20110605_172442_000000433103_00156_48446_0354.N1	05-JUN-2011 17:24:42	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	48446	No
201	GOM_TRA_1PNPDK20110605_172630_000000403103_00156_48446_0355.N1	05-JUN-2011 17:26:30	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48446	No
202	GOM_TRA_1PNPDK20110605_172838_000000393103_00156_48446_0356.N1	05-JUN-2011 17:28:38	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	48446	No
203	GOM_TRA_1PNPDK20110605_173620_000000423103_00156_48446_0357.N1	05-JUN-2011 17:36:20	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	48446	No
204	GOM_TRA_1PNPDK20110605_173935_000000413103_00156_48446_0358.N1	05-JUN-2011 17:39:35	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	48446	No
205	GOM_TRA_1PNPDK20110605_174649_000000533103_00156_48446_0359.N1	05-JUN-2011 17:46:49	Bright	52.500	130	23Bet Dra	2.7990	5800.0	105	48446	No
206	GOM_TRA_1PNPDK20110605_175736_000000483103_00156_48446_0360.N1	05-JUN-2011 17:57:36	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48446	No
207	GOM_TRA_1PNPDK20110605_180315_000000373103_00156_48446_0361.N1	05-JUN-2011 18:03:15	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	48446	No
208	GOM_TRA_1PNPDK20110605_180857_000000383103_00156_48446_0362.N1	05-JUN-2011 18:08:57	Bright	37.500	73	57Gam1And	2.2600	13100.	75	48446	No
209	GOM_TRA_1PNPDK20110605_181114_000000483103_00156_48446_0363.N1	05-JUN-2011 18:11:14	Bright	48.000	53	43Bet And	2.0480	3300.0	96	48446	No
210	GOM_TRA_1PNPDK20110605_181521_000000443103_00156_48446_0364.N1	05-JUN-2011 18:15:21	Twilight	43.500	105	6Bet Ari	2.6450	8900.0	87	48446	No
211	GOM_TRA_1PNPDK20110605_183508_000000463103_00156_48446_0365.N1	05-JUN-2011 18:35:08	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48446	No
212	GOM_TRA_1PNPDK20110605_183804_000000743103_00156_48446_0366.N1	05-JUN-2011 18:38:04	Dark	74.000	18	24Alp PsA	1.1660	9700.0	148	48446	No
213	GOM_TRA_1PNPDK20110605_184049_000000573103_00157_48447_0367.N1	05-JUN-2011 18:40:49	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	48447	No
214	GOM_TRA_1PNPDK20110605_184246_000000473103_00157_48447_0368.N1	05-JUN-2011 18:42:46	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48447	No
215	GOM_TRA_1PNPDK20110605_184723_000000423103_00157_48447_0369.N1	05-JUN-2011 18:47:23	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48447	No
216	GOM_TRA_1PNPDK20110605_185609_000000453103_00157_48447_0411.N1	05-JUN-2011 18:56:09	Straylight	44.500	40	The Sco	1.8590	7100.0	89	48447	No
217	GOM_TRA_1PNPDK20110605_185754_000000433103_00157_48447_0412.N1	05-JUN-2011 18:57:54	Tw_i_and_stray	42.500	25	35Lam Sco	1.6200	28000.	85	48447	No
218	GOM_TRA_1PNPDK20110605_185932_000000503103_00157_48447_0413.N1	05-JUN-2011 18:59:32	Tw_i_and_stray	50.000	75	26Eps Sco	2.2910	4250.0	100	48447	No
219	GOM_TRA_1PNPDK20110605_190129_000000533103_00157_48447_0414.N1	05-JUN-2011 19:01:29	Bright	52.500	136	23Tau Sco	2.8220	30000.	105	48447	No
220	GOM_TRA_1PNPDK20110605_190457_000000433103_00157_48447_0415.N1	05-JUN-2011 19:04:57	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	48447	No
221	GOM_TRA_1PNPDK20110605_190644_000000403103_00157_48447_0416.N1	05-JUN-2011 19:06:44	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48447	No
222	GOM_TRA_1PNPDK20110605_190852_000000393103_00157_48447_0417.N1	05-JUN-2011 19:08:52	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48447	No
223	GOM_TRA_1PNPDK20110605_191634_000000413103_00157_48447_0418.N1	05-JUN-2011 19:16:34	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	48447	No
224	GOM_TRA_1PNPDK20110605_191949_000000413103_00157_48447_0419.N1	05-JUN-2011 19:19:49	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	48447	No
225	GOM_TRA_1PNPDK20110605_192702_000000453103_00157_48447_0420.N1	05-JUN-2011 19:27:02	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	48447	No
226	GOM_TRA_1PNPDK20110605_193749_000000463103_00157_48447_0421.N1	05-JUN-2011 19:37:49	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48447	No
227	GOM_TRA_1PNPDK20110605_194329_000000443103_00157_48447_0422.N1	05-JUN-2011 19:43:29	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	48447	No
228	GOM_TRA_1PNPDK20110605_194911_000000373103_00157_48447_0423.N1	05-JUN-2011 19:49:11	Bright	36.500	73	57Gam1And	2.2600	13100.	73	48447	No
229	GOM_TRA_1PNPDK20110605_195128_000000503103_00157_48447_0424.N1	05-JUN-2011 19:51:28	Bright	50.000	53	43Bet And	2.0480	3300.0	100	48447	No
230	GOM_TRA_1PNPDK20110605_195535_000000423103_00157_48447_0425.N1	05-JUN-2011 19:55:35	Twilight	41.500	105	6Bet Ari	2.6450	8900.0	83	48447	No

231	GOM_TRA_1PNPDK20110605_201523_000000433103_00157_48447_0426.N1	05-JUN-2011 20:15:23	Dark	42.500	84	Alp Phe	2.3970	4500.0	85	48447	No
232	GOM_TRA_1PNPDK20110605_201819_000000593103_00157_48447_0427.N1	05-JUN-2011 20:18:19	Dark	58.500	18	24Alp PsA	1.1660	9700.0	117	48447	No
233	GOM_TRA_1PNPDK20110605_202103_000000543103_00158_48448_0428.N1	05-JUN-2011 20:21:03	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	48448	No
234	GOM_TRA_1PNPDK20110605_202301_000000473103_00158_48448_0429.N1	05-JUN-2011 20:23:01	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48448	No
235	GOM_TRA_1PNPDK20110605_202737_000000423103_00158_48448_0430.N1	05-JUN-2011 20:27:37	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48448	No
236	GOM_TRA_1PNPDE20110605_203623_000000483103_00158_48448_3308.N1	05-JUN-2011 20:36:23	Straylight	47.500	40	The Sco	1.8590	7100.0	95	48448	No
237	GOM_TRA_1PNPDE20110605_203808_000000463103_00158_48448_3309.N1	05-JUN-2011 20:38:08	Twilight	46.000	25	35Lam Sco	1.6200	28000.	92	48448	No
238	GOM_TRA_1PNPDE20110605_203946_000000473103_00158_48448_3310.N1	05-JUN-2011 20:39:46	Twilight	47.000	75	26Eps Sco	2.2910	4250.0	94	48448	No
239	GOM_TRA_1PNPDE20110605_204144_000000483103_00158_48448_3311.N1	05-JUN-2011 20:41:44	Bright	48.000	136	23Tau Sco	2.8220	30000.	96	48448	No
240	GOM_TRA_1PNPDE20110605_204511_000000433103_00158_48448_3312.N1	05-JUN-2011 20:45:11	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	48448	No
241	GOM_TRA_1PNPDE20110605_204658_000000403103_00158_48448_3313.N1	05-JUN-2011 20:46:58	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48448	No
242	GOM_TRA_1PNPDE20110605_204906_000000393103_00158_48448_3314.N1	05-JUN-2011 20:49:06	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48448	No
243	GOM_TRA_1PNPDE20110605_205647_000000413103_00158_48448_3315.N1	05-JUN-2011 20:56:47	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	48448	No
244	GOM_TRA_1PNPDE20110605_210003_000000413103_00158_48448_3316.N1	05-JUN-2011 21:00:03	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	48448	No
245	GOM_TRA_1PNPDE20110605_210716_000000443103_00158_48448_3317.N1	05-JUN-2011 21:07:16	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	48448	No
246	GOM_TRA_1PNPDE20110605_211803_000000473103_00158_48448_3318.N1	05-JUN-2011 21:18:03	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48448	No
247	GOM_TRA_1PNPDE20110605_212342_000000383103_00158_48448_3319.N1	05-JUN-2011 21:23:42	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	48448	No
248	GOM_TRA_1PNPDE20110605_212925_000000483103_00158_48448_3320.N1	05-JUN-2011 21:29:25	Bright	48.000	73	57Gam1And	2.2600	13100.	96	48448	No
249	GOM_TRA_1PNPDE20110605_213142_000000513103_00158_48448_3321.N1	05-JUN-2011 21:31:42	Bright	50.500	53	43Bet And	2.0480	3300.0	101	48448	No
250	GOM_TRA_1PNPDE20110605_213549_000000433103_00158_48448_3322.N1	05-JUN-2011 21:35:49	Twilight	42.500	105	6Bet Ari	2.6450	8900.0	85	48448	No
251	GOM_TRA_1PNPDE20110605_215537_000000493103_00158_48448_3375.N1	05-JUN-2011 21:55:37	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	48448	No
252	GOM_TRA_1PNPDE20110605_215835_000000623103_00158_48448_3376.N1	05-JUN-2011 21:58:35	Dark	61.500	18	24Alp PsA	1.1660	9700.0	123	48448	No
253	GOM_TRA_1PNPDE20110605_220118_000000473103_00159_48449_3377.N1	05-JUN-2011 22:01:18	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	48449	No
254	GOM_TRA_1PNPDE20110605_220316_000000483103_00159_48449_3378.N1	05-JUN-2011 22:03:16	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48449	No
255	GOM_TRA_1PNPDE20110605_220752_000000423103_00159_48449_3379.N1	05-JUN-2011 22:07:52	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48449	No
256	GOM_TRA_1PNPDE20110605_221637_000000483103_00159_48449_3380.N1	05-JUN-2011 22:16:37	Straylight	47.500	40	The Sco	1.8590	7100.0	95	48449	No
257	GOM_TRA_1PNPDE20110605_221823_000000463103_00159_48449_3381.N1	05-JUN-2011 22:18:23	Twilight	46.000	25	35Lam Sco	1.6200	28000.	92	48449	No
258	GOM_TRA_1PNPDE20110605_222001_000000453103_00159_48449_3382.N1	05-JUN-2011 22:20:01	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	48449	No
259	GOM_TRA_1PNPDE20110605_222158_000000453103_00159_48449_3383.N1	05-JUN-2011 22:21:58	Bright	44.500	136	23Tau Sco	2.8220	30000.	89	48449	No
260	GOM_TRA_1PNPDE20110605_222525_000000423103_00159_48449_3384.N1	05-JUN-2011 22:25:25	Bright	42.000	86	35Eta Oph	2.4300	10200.	84	48449	No
261	GOM_TRA_1PNPDE20110605_222712_000000403103_00159_48449_3385.N1	05-JUN-2011 22:27:12	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48449	No
262	GOM_TRA_1PNPDE20110605_222920_000000393103_00159_48449_3386.N1	05-JUN-2011 22:29:20	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48449	No
263	GOM_TRA_1PNPDE20110605_223701_000000413103_00159_48449_3387.N1	05-JUN-2011 22:37:01	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	48449	No
264	GOM_TRA_1PNPDE20110605_224016_000000393103_00159_48449_3388.N1	05-JUN-2011 22:40:16	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	48449	No
265	GOM_TRA_1PNPDE20110605_224729_000000443103_00159_48449_3389.N1	05-JUN-2011 22:47:29	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	48449	No
266	GOM_TRA_1PNPDE20110605_225816_000000473103_00159_48449_3390.N1	05-JUN-2011 22:58:16	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48449	No
267	GOM_TRA_1PNPDE20110605_230356_000000523103_00159_48449_3391.N1	05-JUN-2011 23:03:56	Bright	51.500	76	27Gam Cas	2.3000	30000.	103	48449	No
268	GOM_TRA_1PNPDE20110605_230939_000000373103_00159_48449_3392.N1	05-JUN-2011 23:09:39	Bright	36.500	73	57Gam1And	2.2600	13100.	73	48449	No
269	GOM_TRA_1PNPDE20110605_231156_000000513103_00159_48449_3393.N1	05-JUN-2011 23:11:56	Bright	51.000	53	43Bet And	2.0480	3300.0	102	48449	No
270	GOM_TRA_1PNPDE20110605_231603_000000423103_00159_48449_3394.N1	05-JUN-2011 23:16:03	Twilight	42.000	105	6Bet Ari	2.6450	8900.0	84	48449	No
271	GOM_TRA_1PNPDE20110605_233552_000000423103_00159_48449_3428.N1	05-JUN-2011 23:35:52	Dark	42.000	84	Alp Phe	2.3970	4500.0	84	48449	No
272	GOM_TRA_1PNPDE20110605_233850_000000593103_00159_48449_3429.N1	05-JUN-2011 23:38:50	Dark	59.000	18	24Alp PsA	1.1660	9700.0	118	48449	No
273	GOM_TRA_1PNPDE20110605_234133_000000473103_00160_48450_3430.N1	05-JUN-2011 23:41:33	Dark	47.000	63	Bet Gru	2.1500	2800.0	94	48450	No
274	GOM_TRA_1PNPDE20110605_234331_000000483103_00160_48450_3431.N1	05-JUN-2011 23:43:31	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48450	No
275	GOM_TRA_1PNPDE20110605_234806_000000433103_00160_48450_3432.N1	05-JUN-2011 23:48:06	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48450	No
276	GOM_TRA_1PNPDE20110605_235652_000000463103_00160_48450_3433.N1	05-JUN-2011 23:56:52	Straylight	45.500	40	The Sco	1.8590	7100.0	91	48450	No
277	GOM_TRA_1PNPDE20110605_235837_000000463103_00160_48450_3434.N1	05-JUN-2011 23:58:37	Twilight	46.000	25	35Lam Sco	1.6200	28000.	92	48450	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).

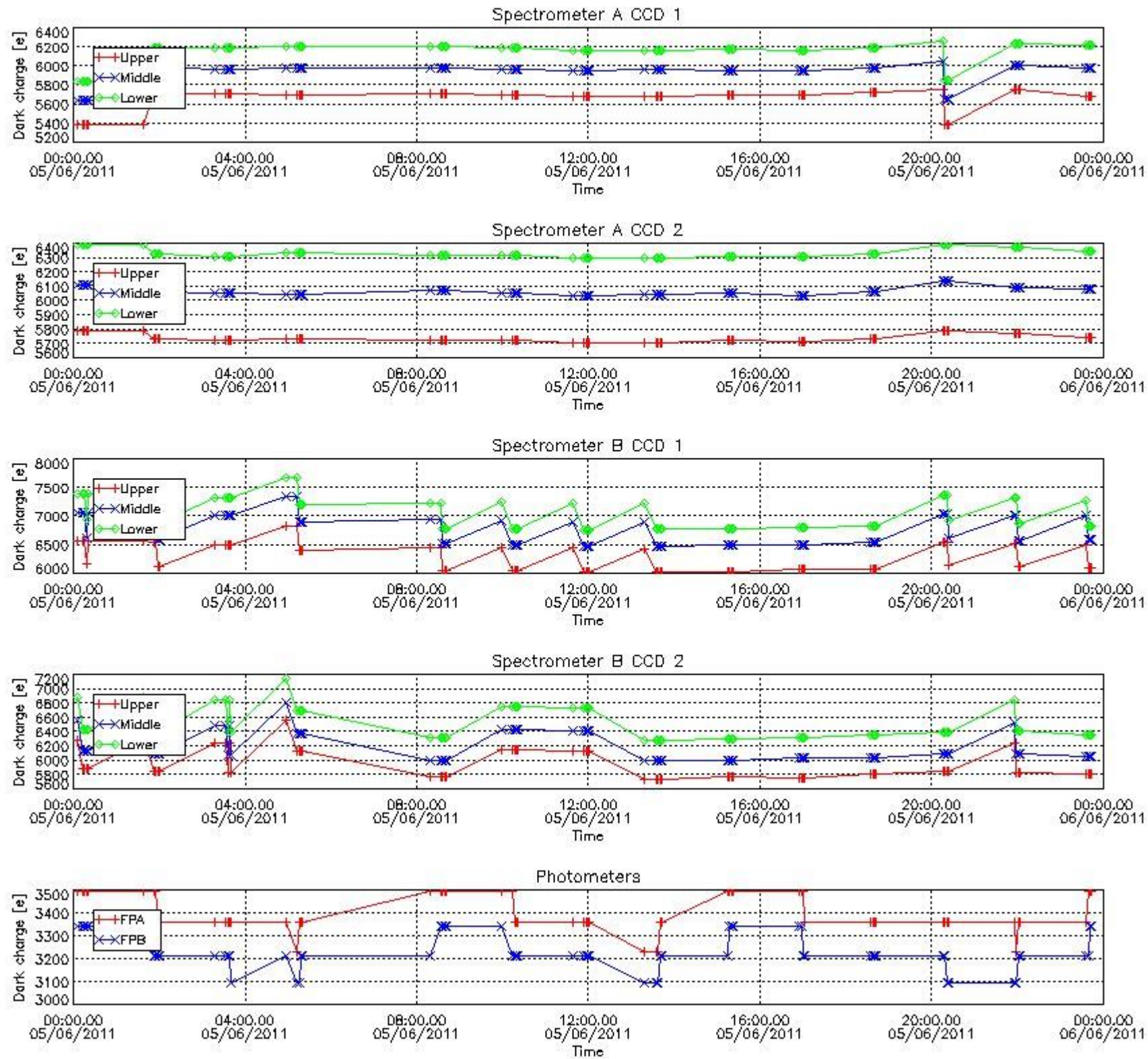
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110605_203623_000000483103_00158_48448_3308.N1	DC map used
GOM_TRA_1PNPDE20110605_203808_000000463103_00158_48448_3309.N1	DC map used
GOM_TRA_1PNPDE20110605_203946_000000473103_00158_48448_3310.N1	DC map used
GOM_TRA_1PNPDE20110605_204144_000000483103_00158_48448_3311.N1	DC map used
GOM_TRA_1PNPDE20110605_204511_000000433103_00158_48448_3312.N1	DC map used
GOM_TRA_1PNPDE20110605_204658_000000403103_00158_48448_3313.N1	DC map used
GOM_TRA_1PNPDE20110605_204906_000000393103_00158_48448_3314.N1	DC map used
GOM_TRA_1PNPDE20110605_205647_000000413103_00158_48448_3315.N1	DC map used
GOM_TRA_1PNPDE20110605_210003_000000413103_00158_48448_3316.N1	DC map used
GOM_TRA_1PNPDE20110605_210716_000000443103_00158_48448_3317.N1	DC map used
GOM_TRA_1PNPDE20110605_211803_000000473103_00158_48448_3318.N1	DC map used
GOM_TRA_1PNPDE20110605_212342_000000383103_00158_48448_3319.N1	DC map used
GOM_TRA_1PNPDE20110605_212925_000000483103_00158_48448_3320.N1	DC map used
GOM_TRA_1PNPDE20110605_213142_000000513103_00158_48448_3321.N1	DC map used



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



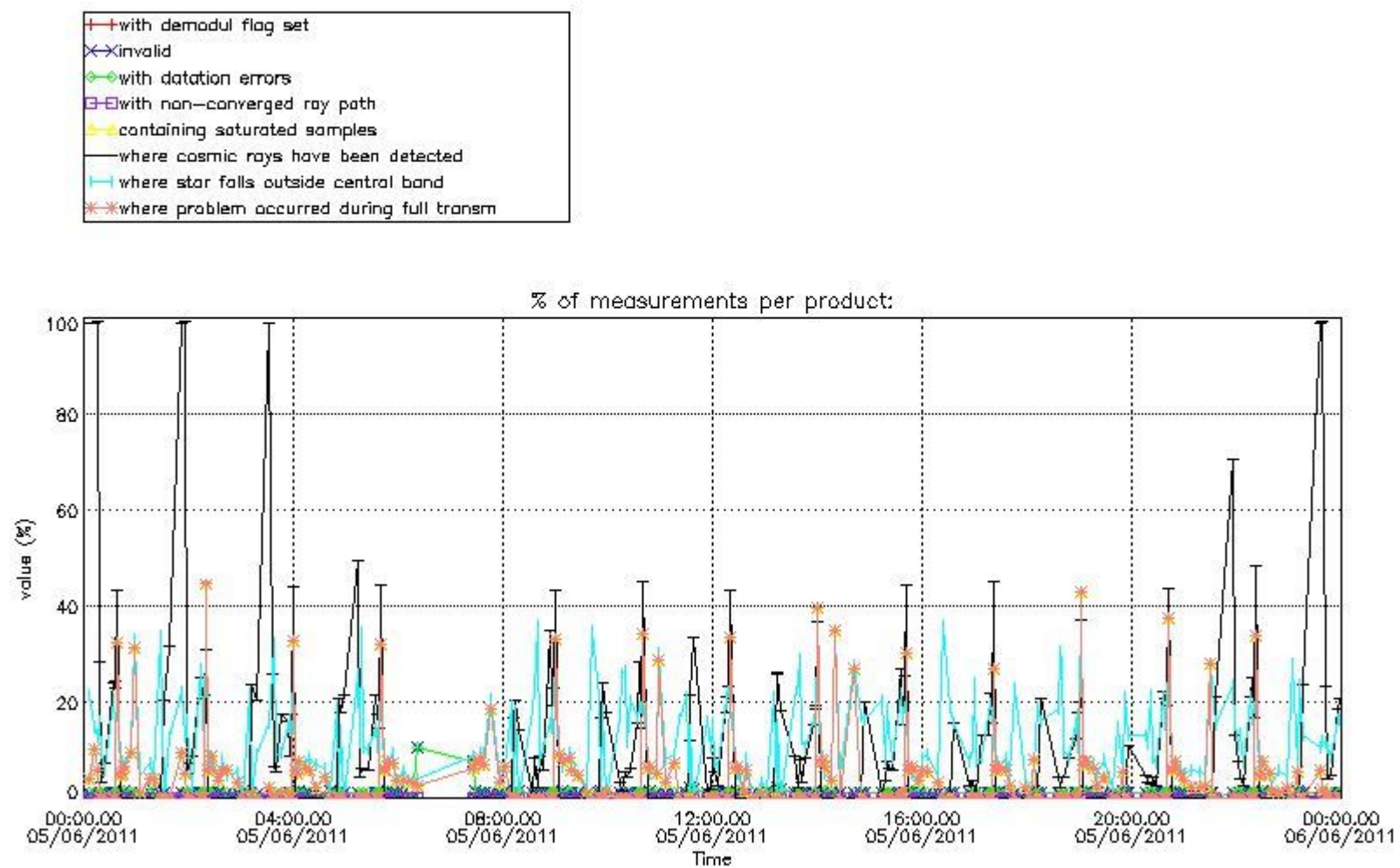
#### 5. Demodulation flag and quality information monitoring

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:

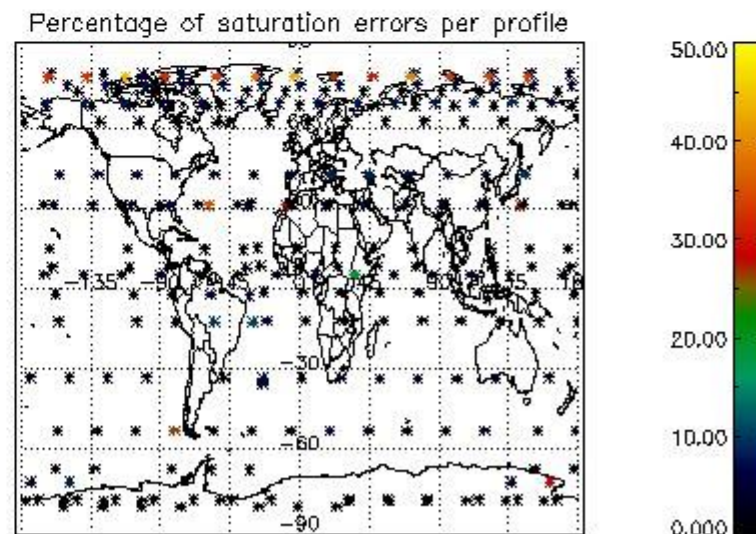
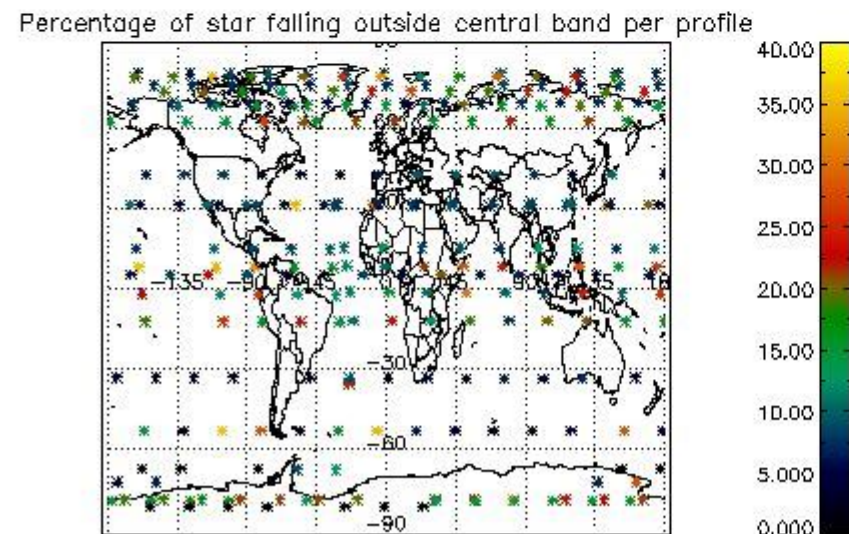
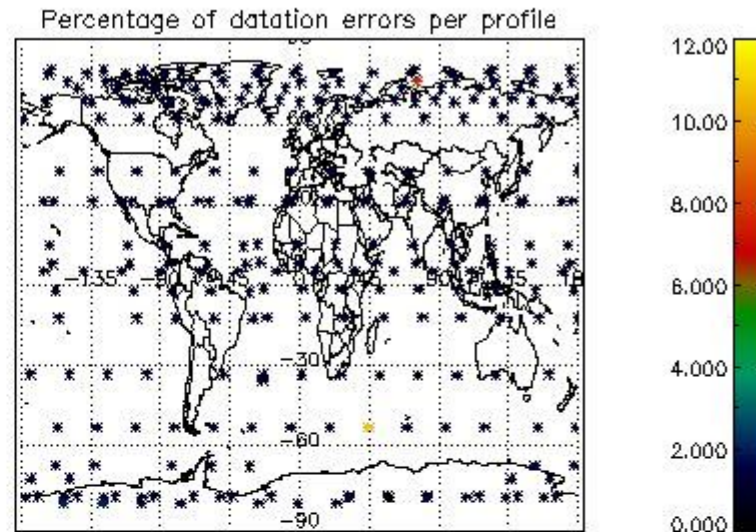
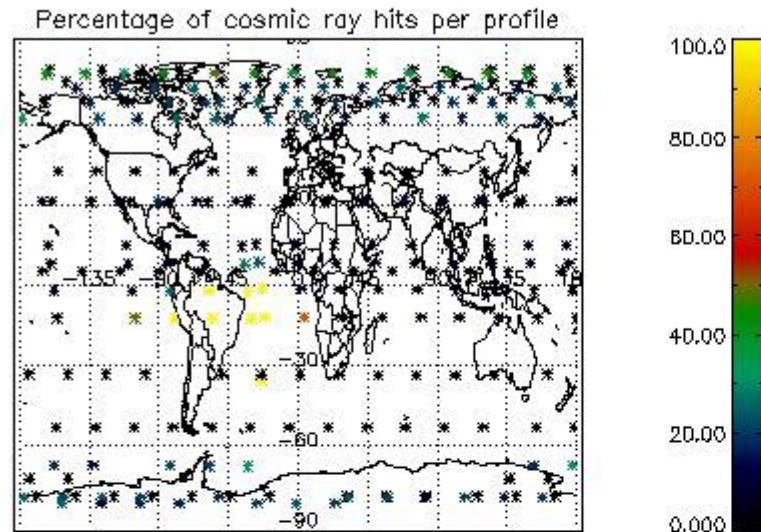
At least one measurement with demodulation flag set:	48.9051 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





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

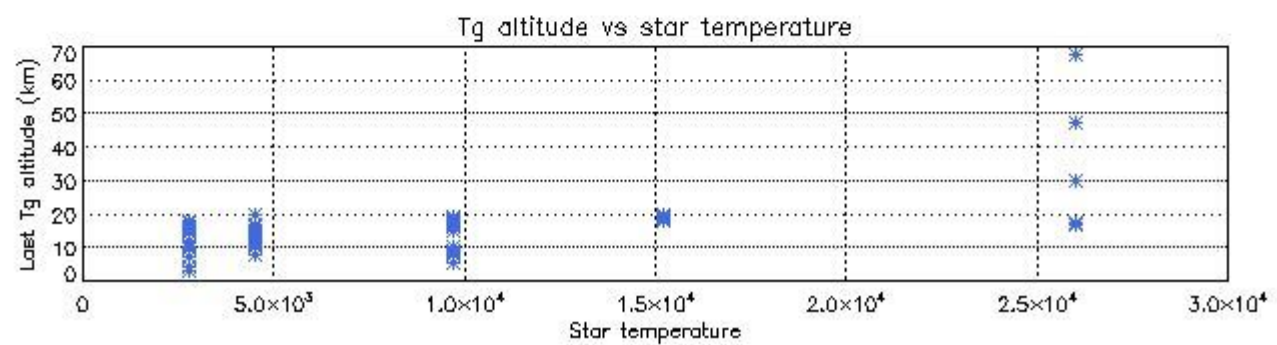
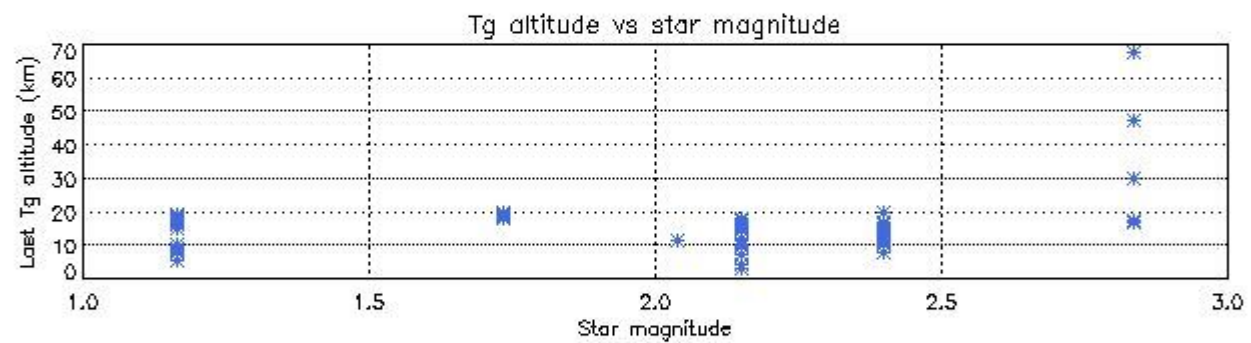
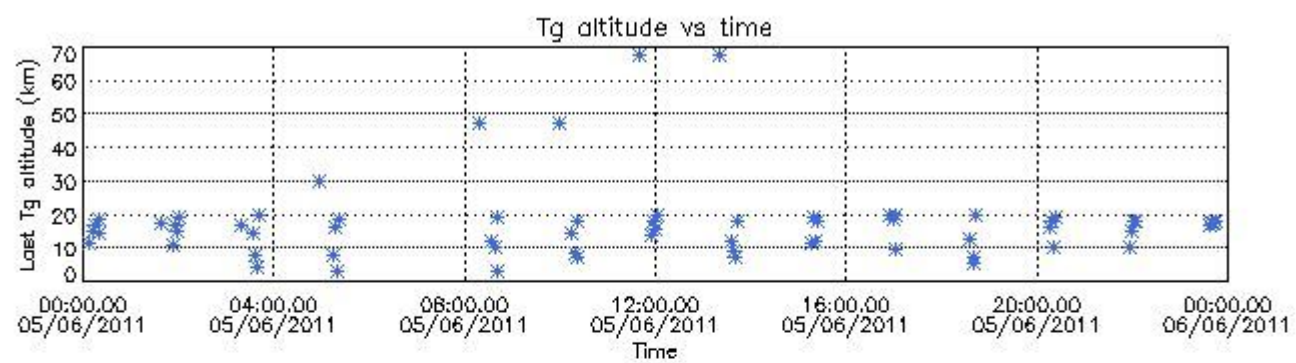
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	17.142	18.085	13.568
St. deviation:	11.870	5.6548	0.77608
Maximum:	67.416	30.835	14.804
Minimum:	2.7555	3.7297	12.275
Number of data:	64.000	137.00	11.000

### 6.2 Plot for DARK limb products

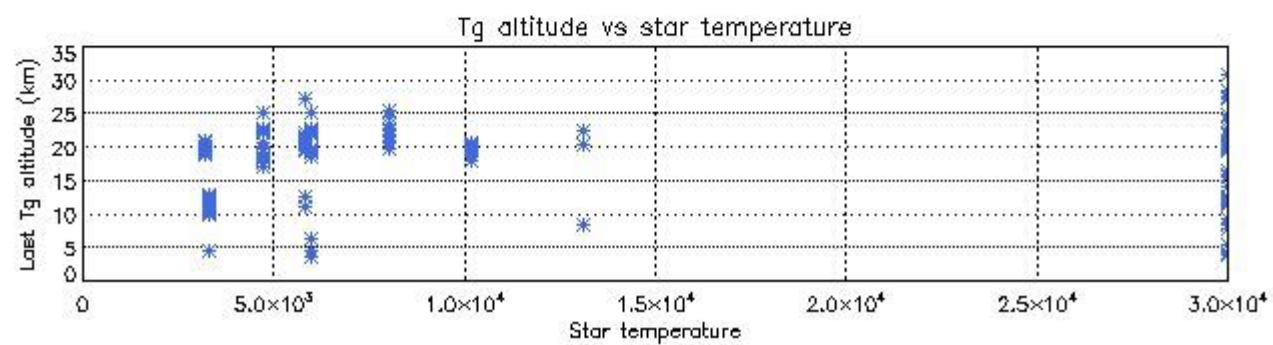
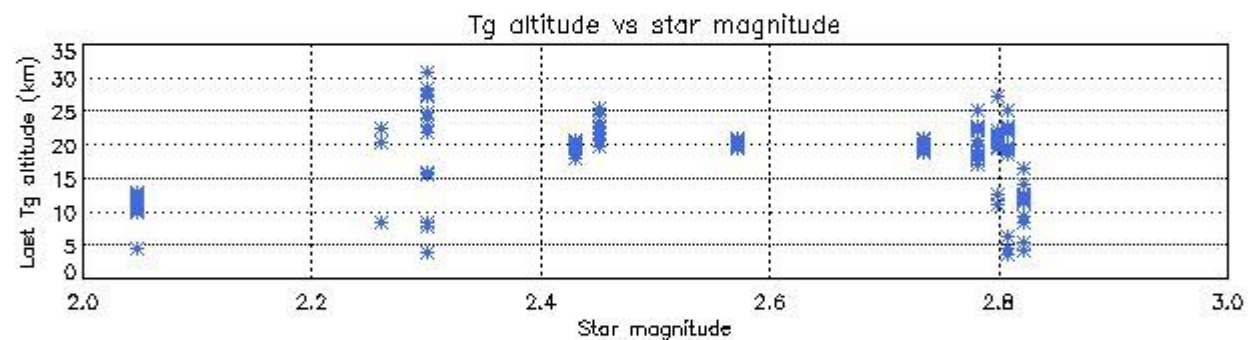
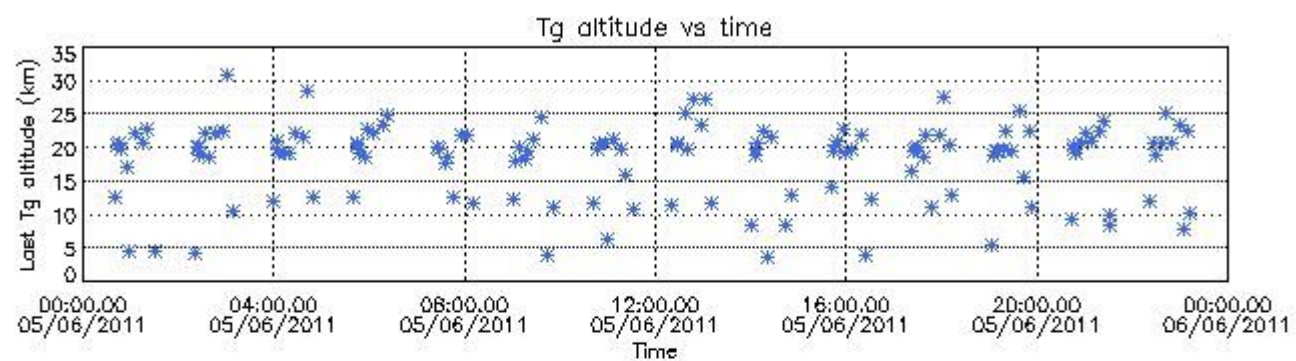


Tangent altitude at which the star is lost



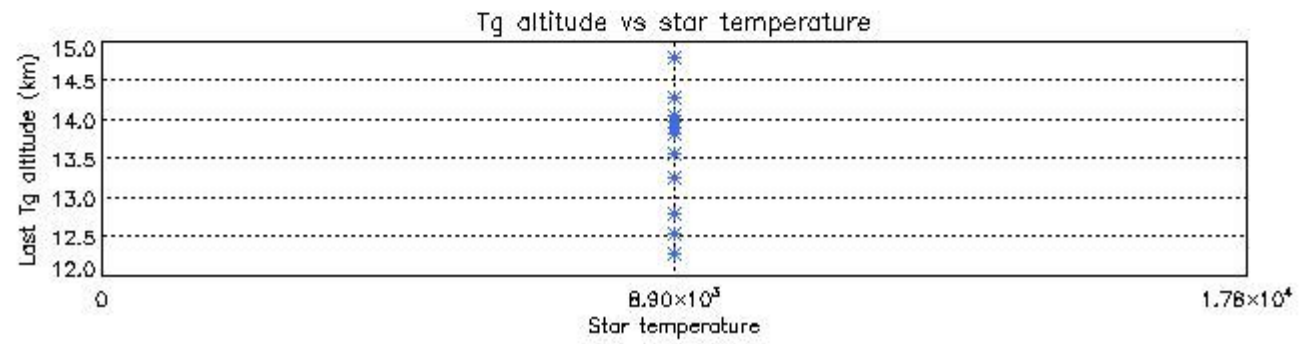
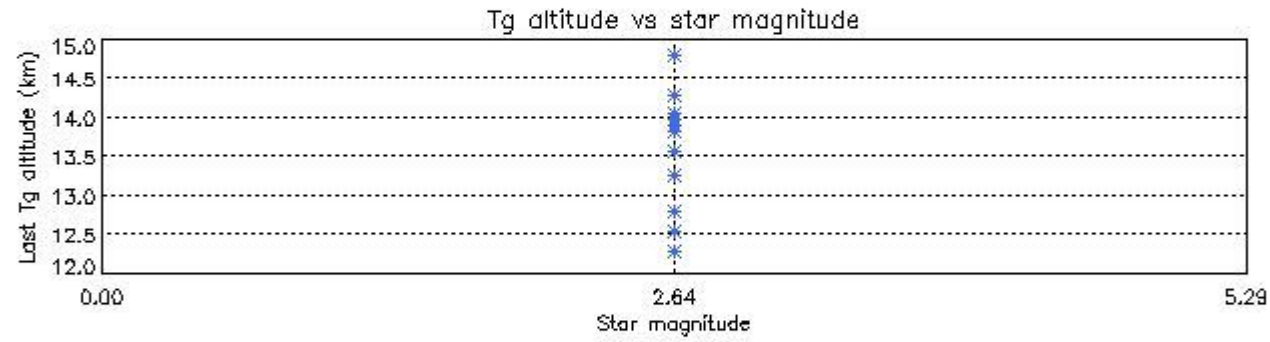
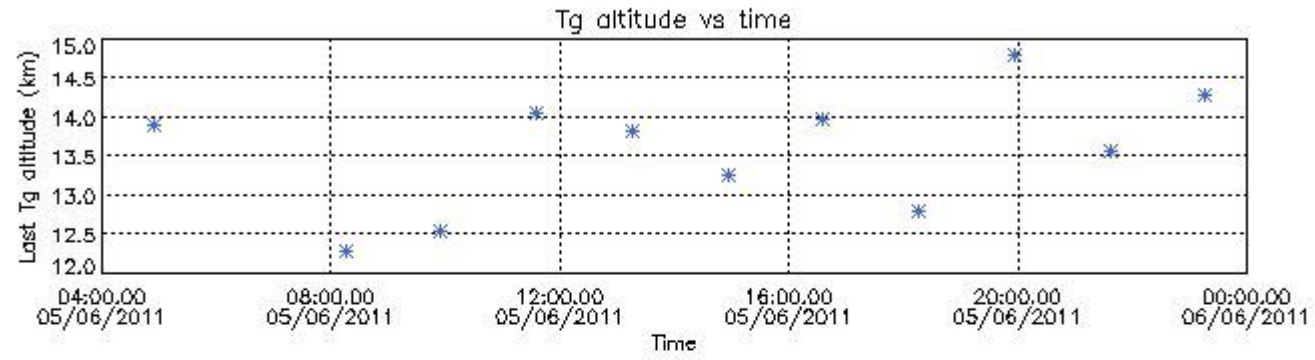
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost



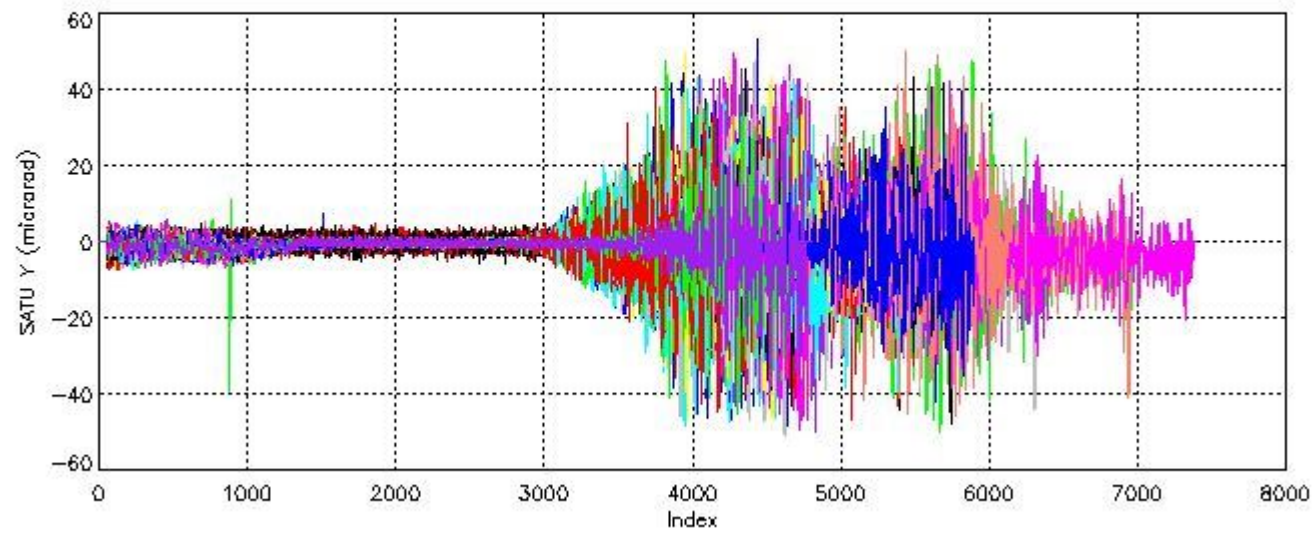
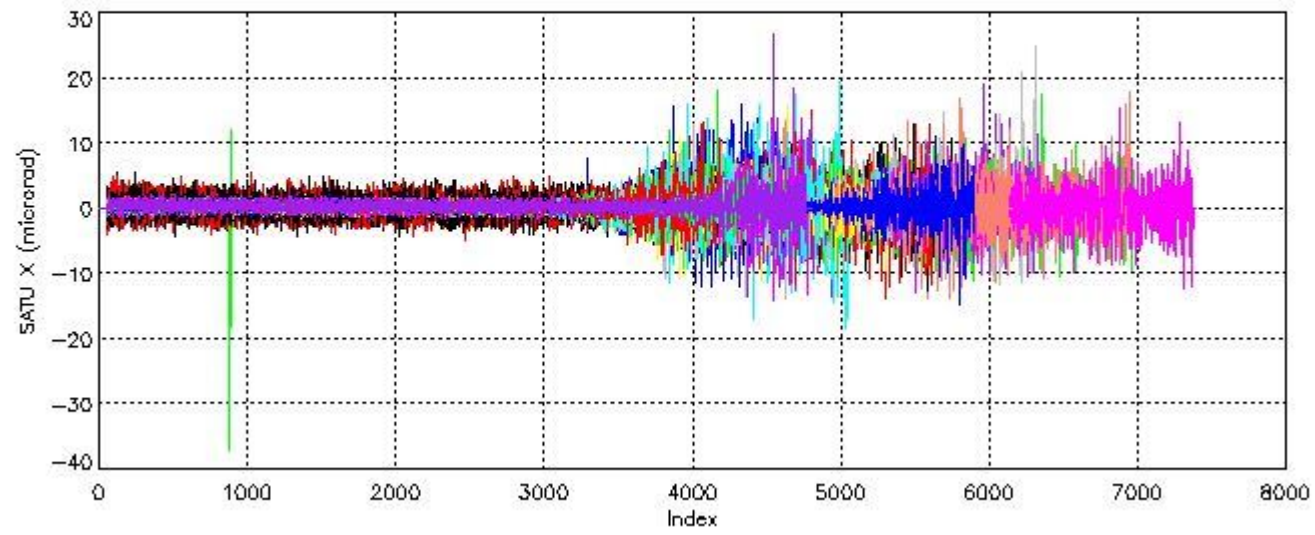
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.23459	-0.98720	0.23393	-1.0854
St. deviation:	0.46011	1.4818	0.78873	1.4743
Maximum:	11.900	10.800	5.7000	6.9000
Minimum:	-37.300	-39.300	-4.9000	-9.3000

Number of data:	72350.	72350.	1.3405E+05	1.3405E+05
90Percentile:	0.80000	0.90000	1.3000	0.60000

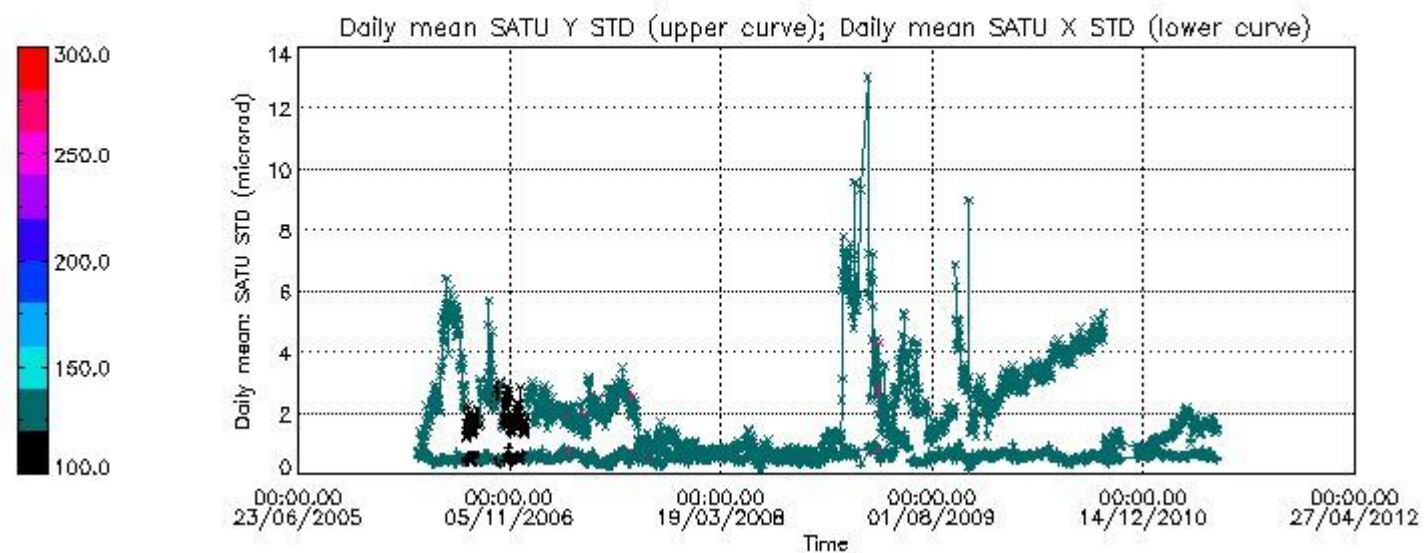
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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.

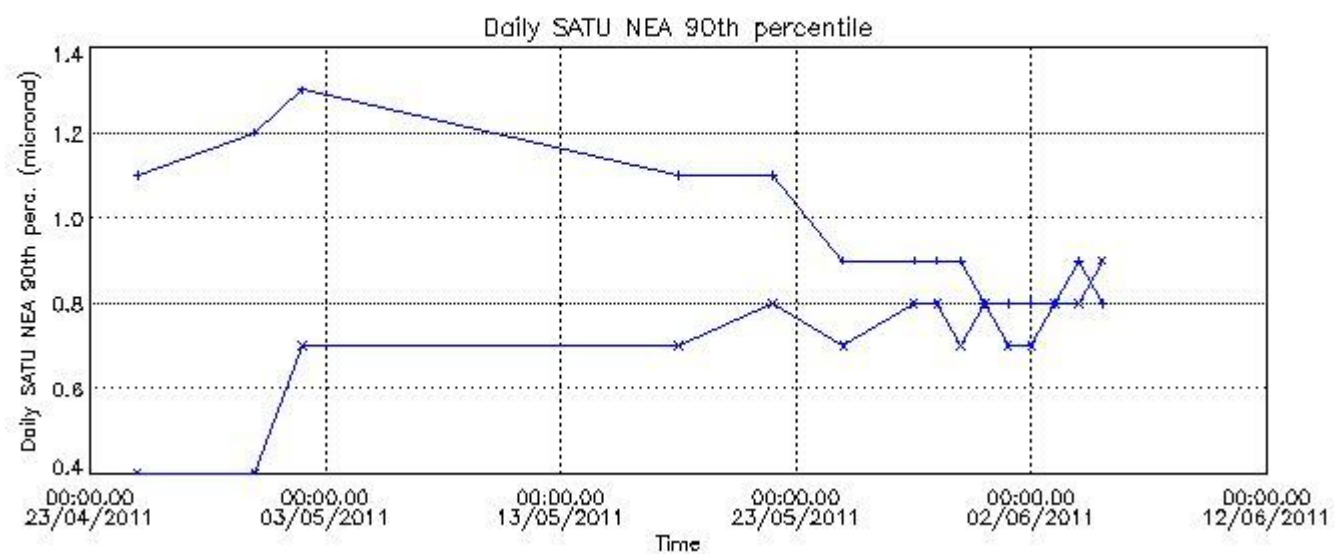
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

Upper curve: 90th percentile of SATU X axis

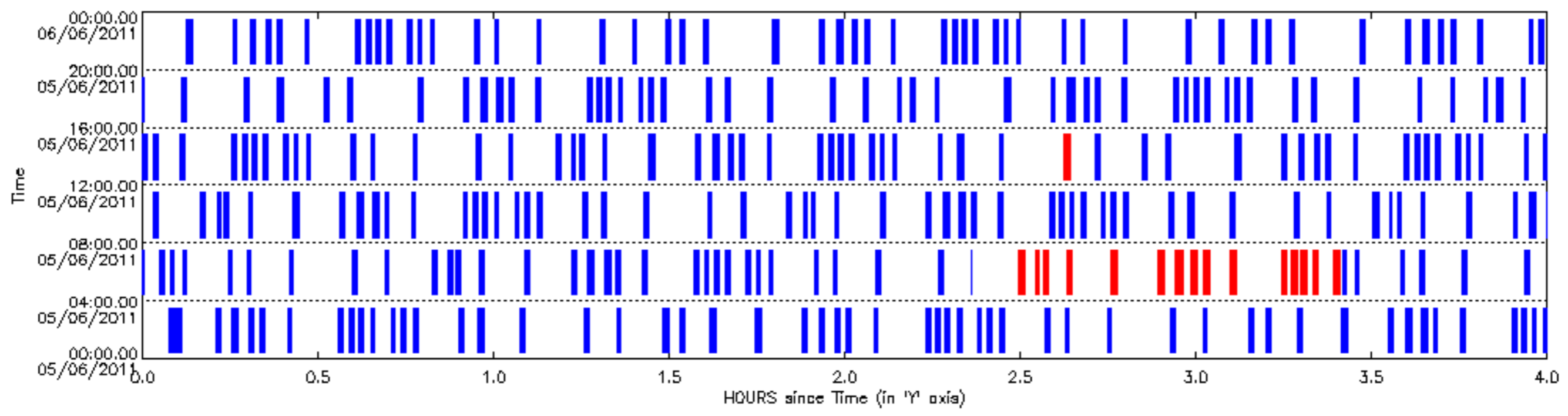


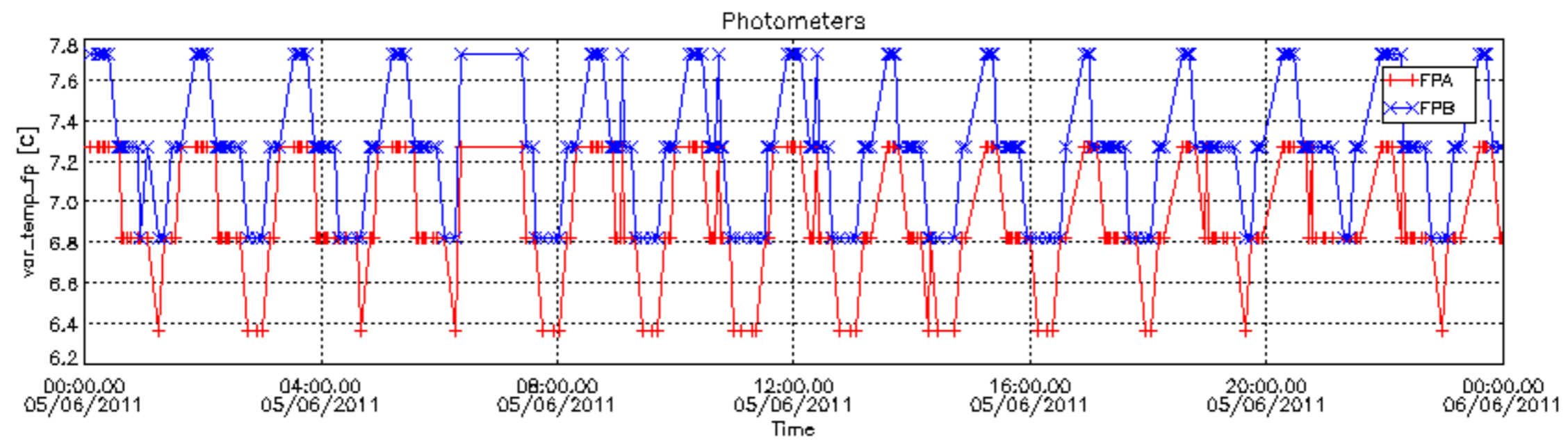
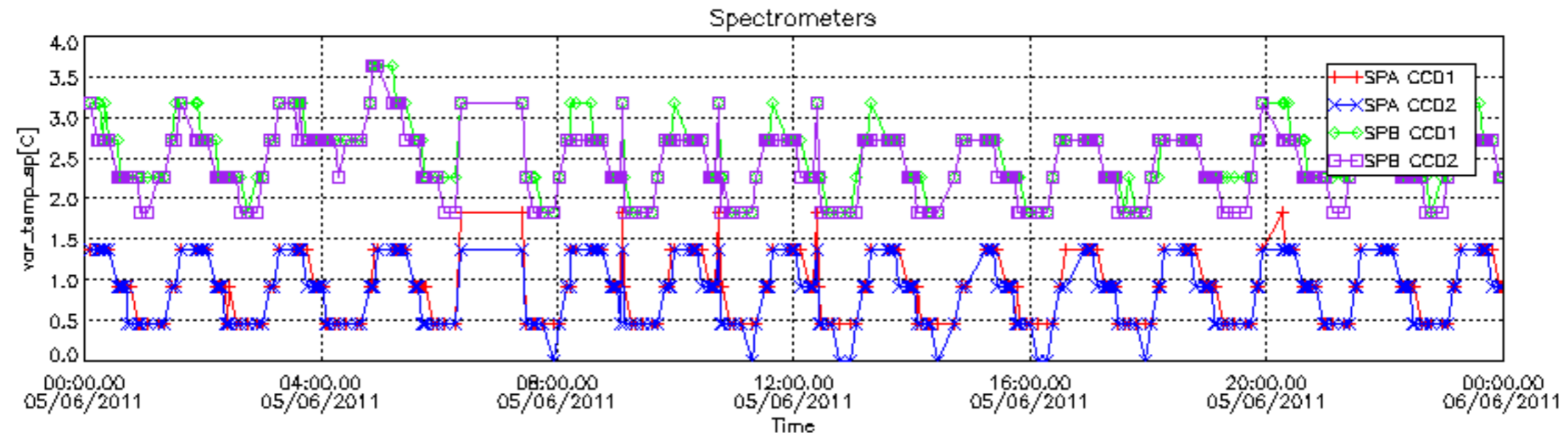
### 8. Auxiliary Data Files used for the production reported in section 2.4

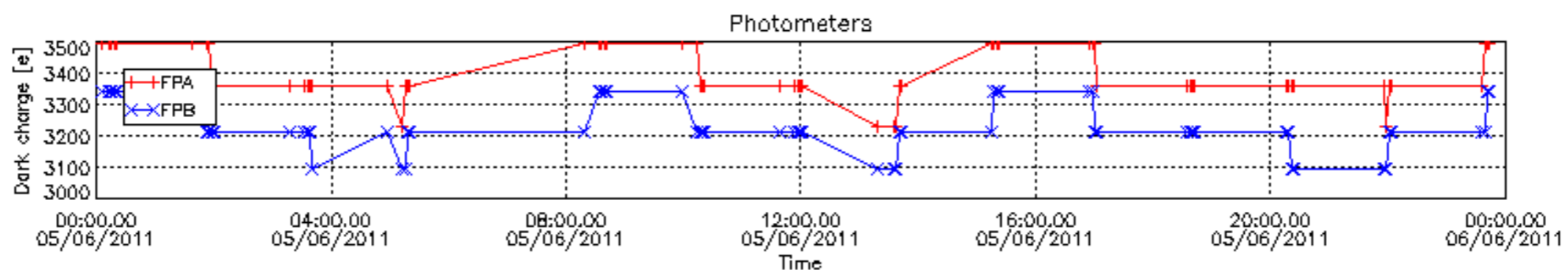
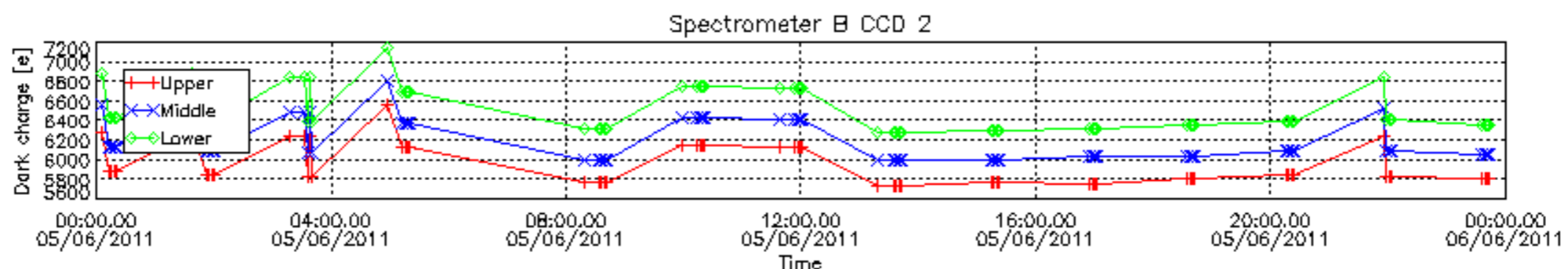
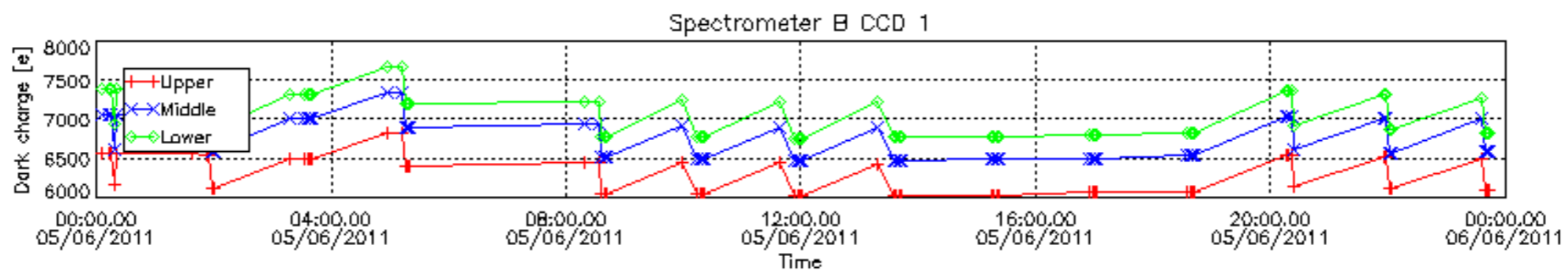
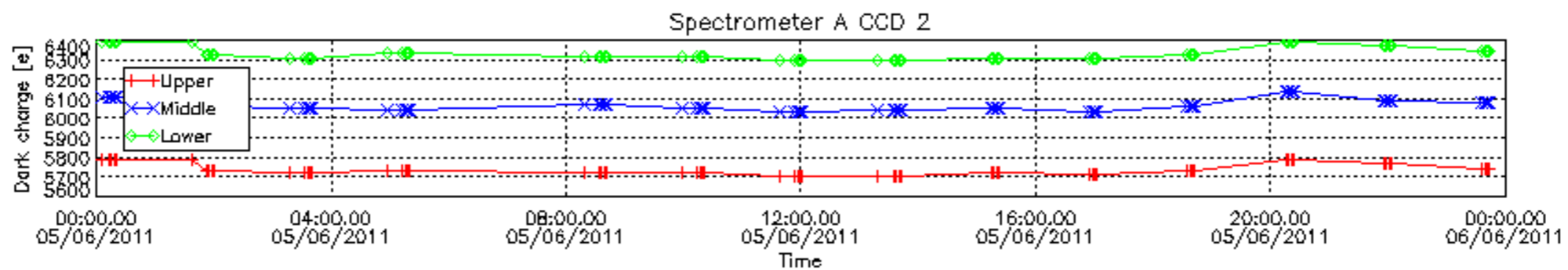
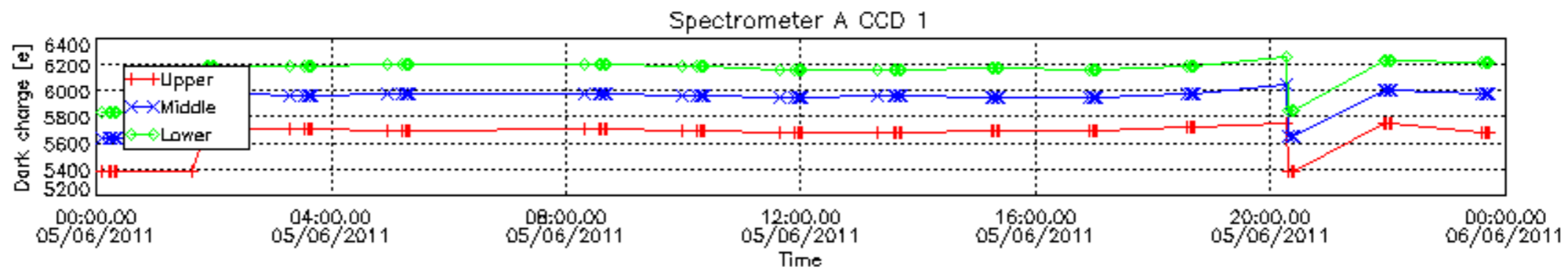
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-JUN-2011 00:05:52
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110601_080509_20110531_000000_20500101_000000	1	05-JUN-2011 00:05:52
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	05-JUN-2011 00:05:52
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	05-JUN-2011 00:05:52
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	05-JUN-2011 00:05:52
ECMWF_FILE	AUX_ECF_AXNECM20110604_061046_20110604_210000_20110605_090000	1	05-JUN-2011 00:05:52
ECMWF_FILE	AUX_ECF_AXNECM20110604_181659_20110605_030000_20110605_150000	58	05-JUN-2011 04:41:24
ECMWF_FILE	AUX_ECA_AXNECM20110605_062113_20110604_210000_20110605_090000	79	05-JUN-2011 06:21:38
ECMWF_FILE	AUX_ECF_AXNECM20110604_181659_20110605_030000_20110605_150000	80	05-JUN-2011 07:25:05
ECMWF_FILE	AUX_ECF_AXNECM20110605_062113_20110605_090000_20110605_210000	101	05-JUN-2011 09:05:20
ECMWF_FILE	AUX_ECF_AXNECM20110605_062113_20110605_150000_20110606_030000	180	05-JUN-2011 15:41:01
ECMWF_FILE	AUX_ECA_AXNECM20110605_182459_20110605_090000_20110605_210000	197	05-JUN-2011 17:17:40
ECMWF_FILE	AUX_ECF_AXNECM20110605_062113_20110605_150000_20110606_030000	236	05-JUN-2011 20:36:23
ECMWF_FILE	AUX_ECF_AXNECM20110605_062115_20110605_210000_20110606_090000	251	05-JUN-2011 21:55:37
OPTIONAL_ECMWF_FILE	MISSING	1	05-JUN-2011 00:05:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110605_000109_000054193103_00145_48435_6142.N1	1	05-JUN-2011 00:05:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110605_013647_000041443103_00146_48436_6143.N1	22	05-JUN-2011 01:52:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110605_025110_000060573103_00147_48437_6144.N1	37	05-JUN-2011 02:55:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110605_043726_000054193103_00148_48438_6145.N1	58	05-JUN-2011 04:41:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110605_061304_000038253103_00149_48439_4747.N1	79	05-JUN-2011 06:21:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110605_072209_000057383103_00150_48440_4748.N1	80	05-JUN-2011 07:25:05
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ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110605_104403_000054193103_00152_48442_4750.N1	121	05-JUN-2011 10:43:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110605_121941_000057383103_00153_48443_4751.N1	142	05-JUN-2011 12:24:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110605_140038_000054193103_00154_48444_4752.N1	163	05-JUN-2011 14:04:14
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ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110605_171713_000054193103_00156_48446_4754.N1	197	05-JUN-2011 17:17:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110605_185251_000057383103_00157_48447_4755.N1	216	05-JUN-2011 18:56:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110605_203348_000038253103_00158_48448_6146.N1	236	05-JUN-2011 20:36:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110605_214253_000057383103_00158_48448_6147.N1	251	05-JUN-2011 21:55:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110605_232350_000057383103_00159_48449_6148.N1	271	05-JUN-2011 23:35:52

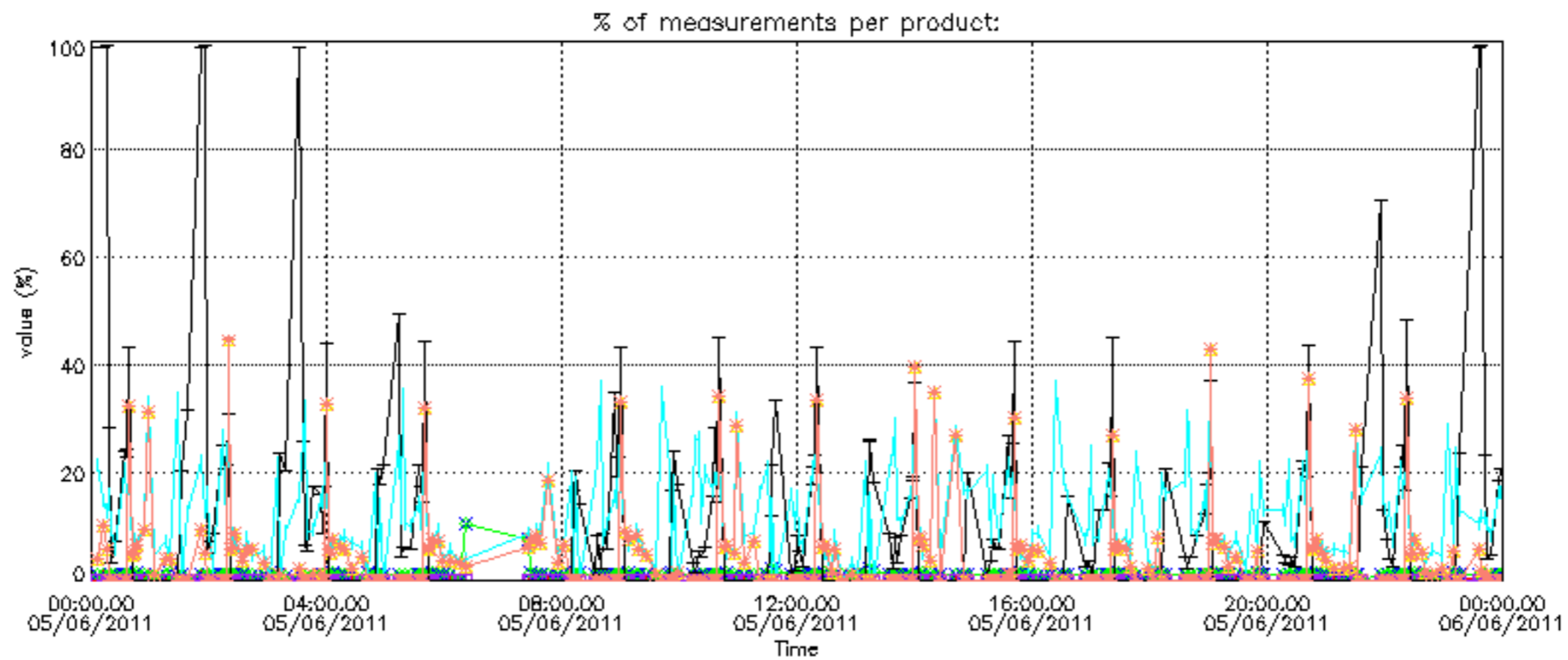
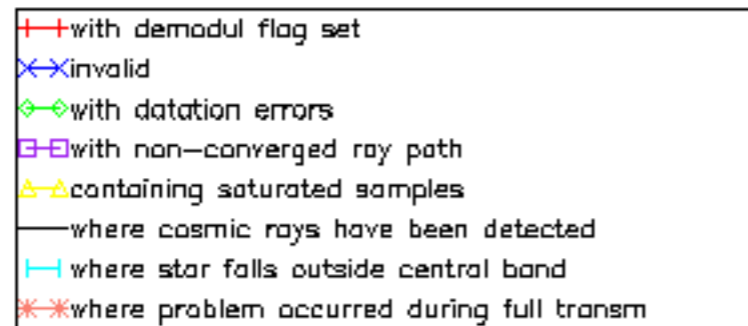




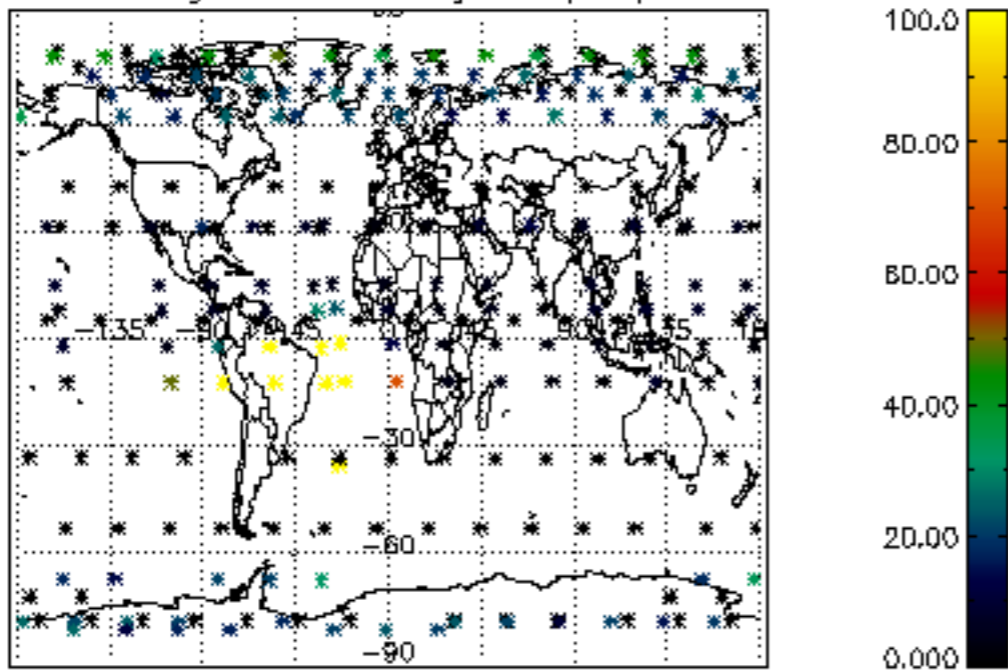




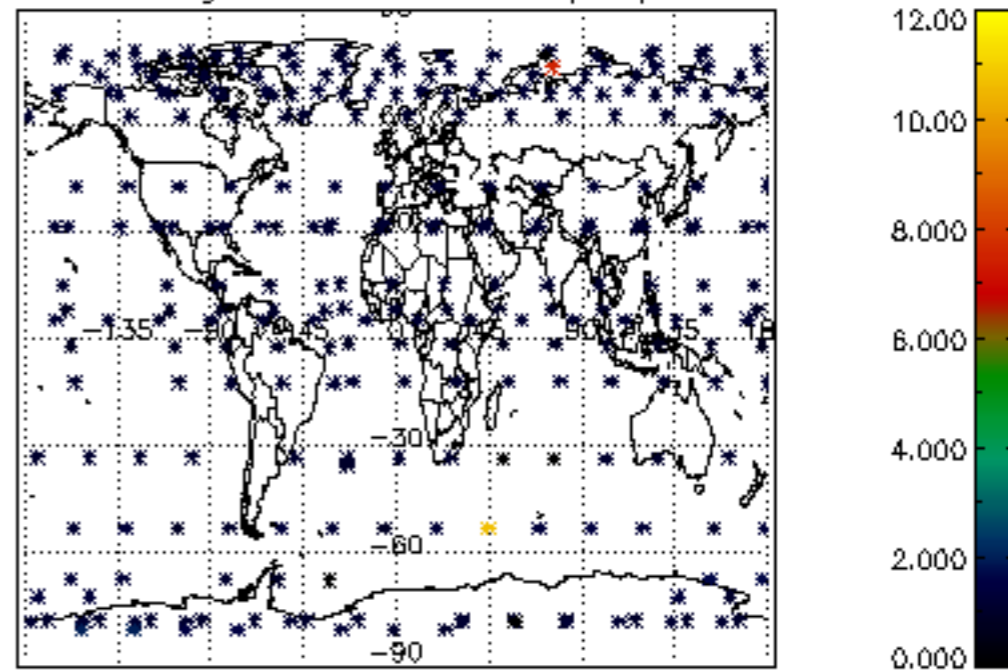




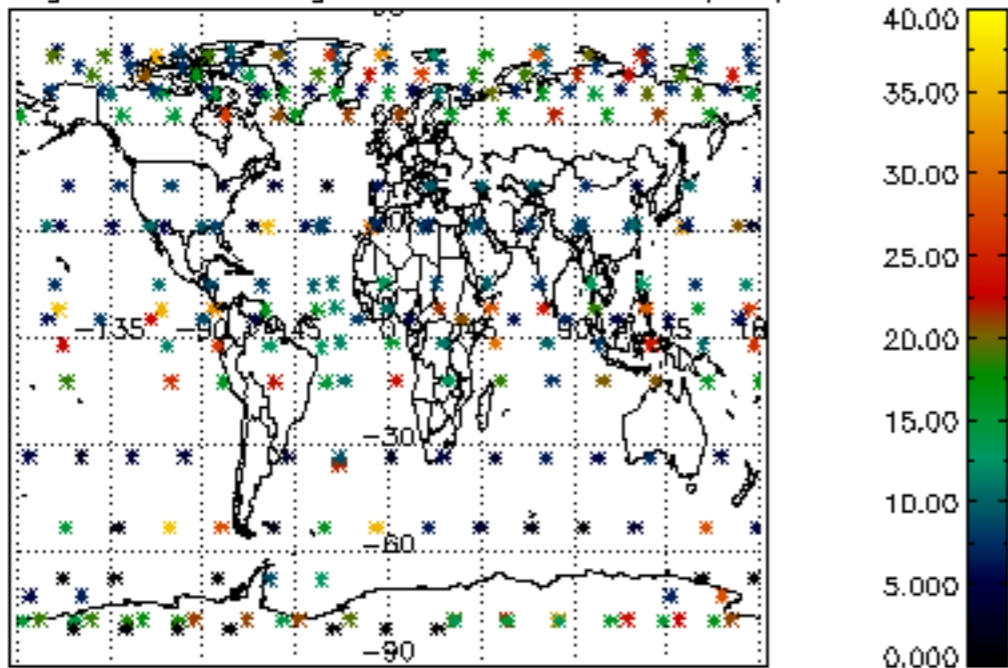
Percentage of cosmic ray hits per profile



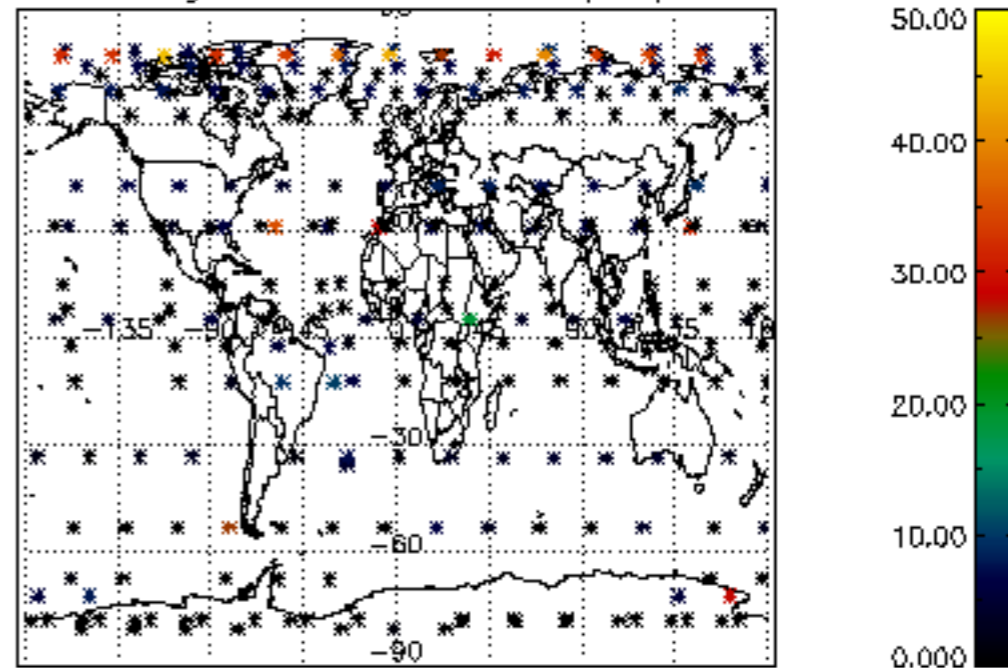
Percentage of datation errors per profile



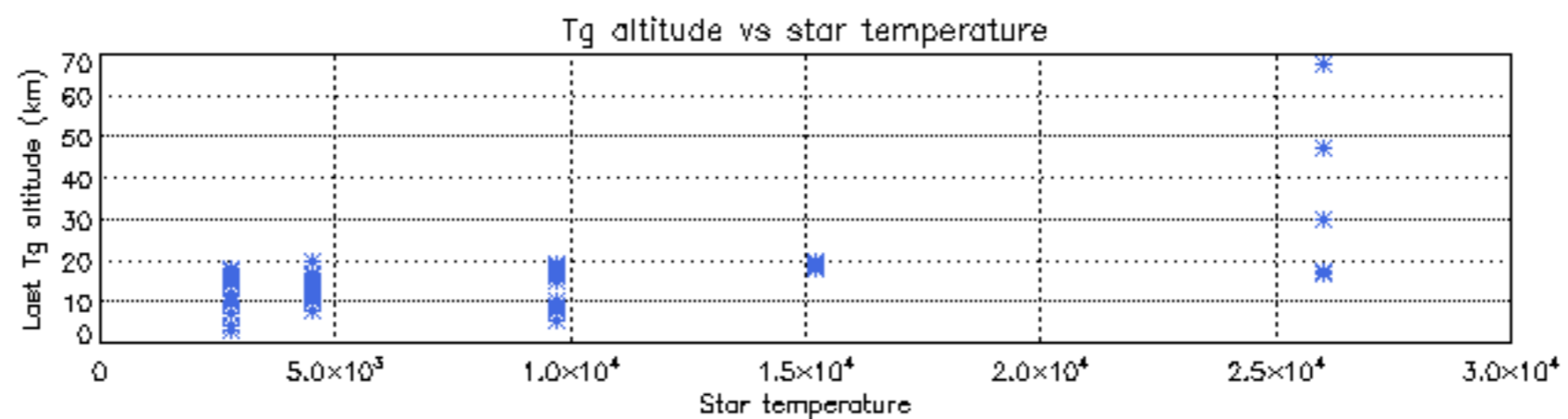
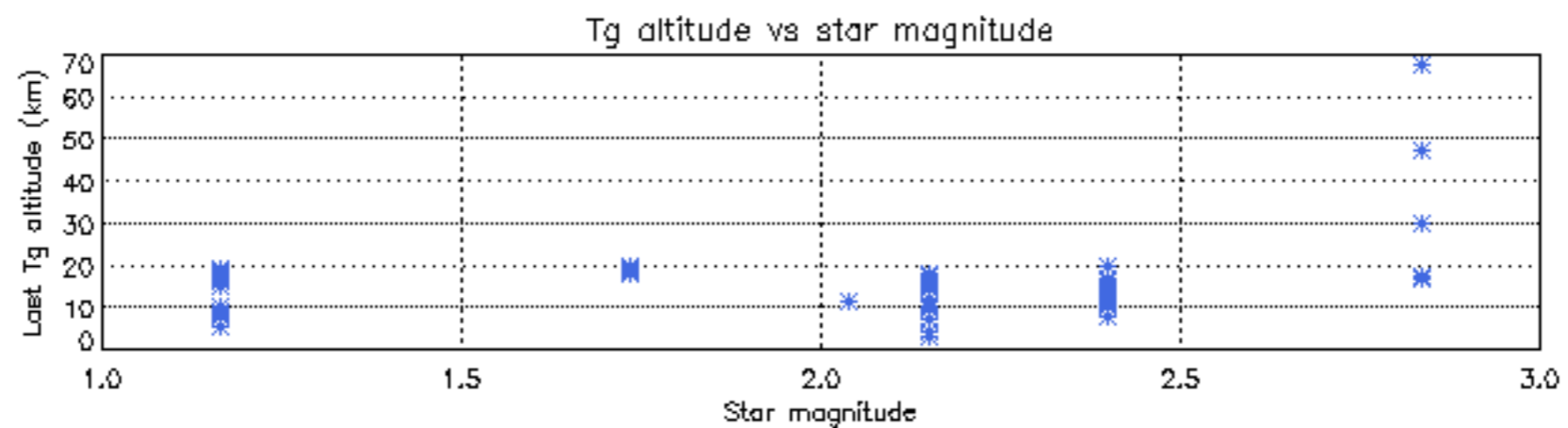
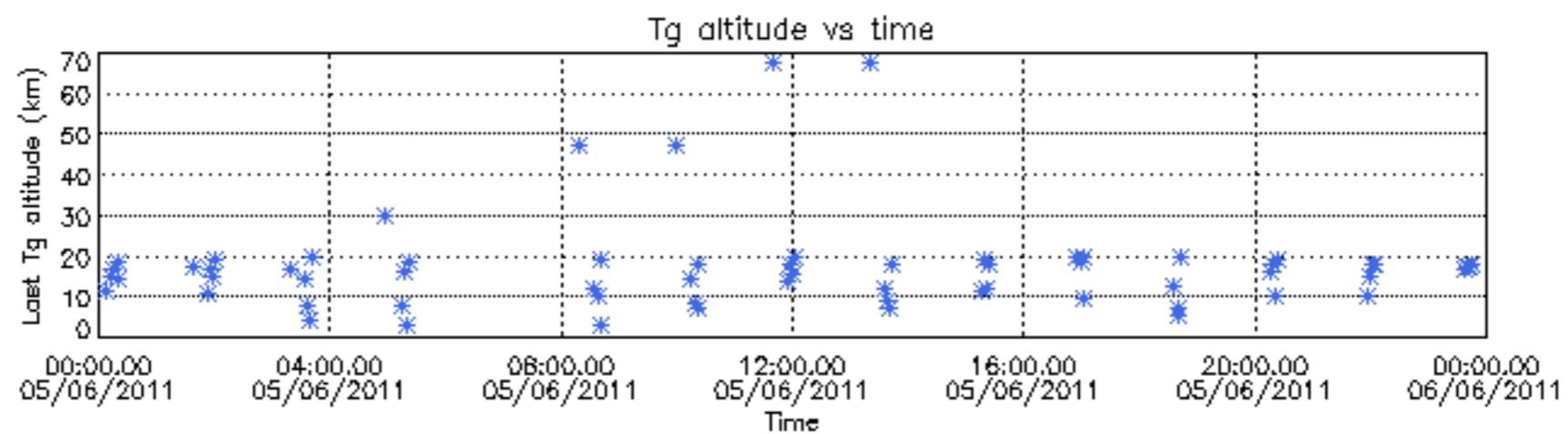
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

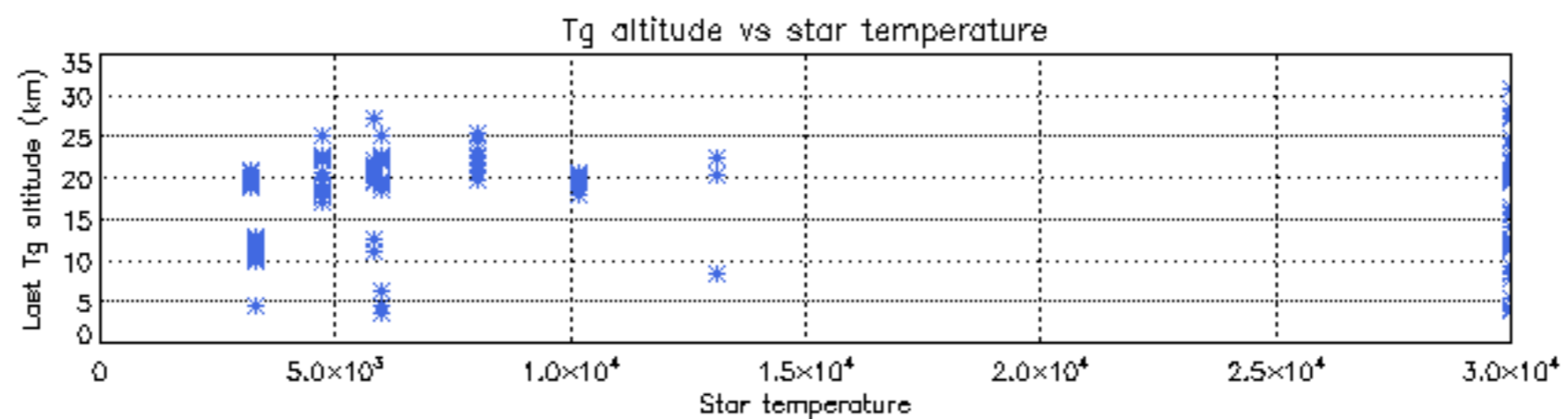
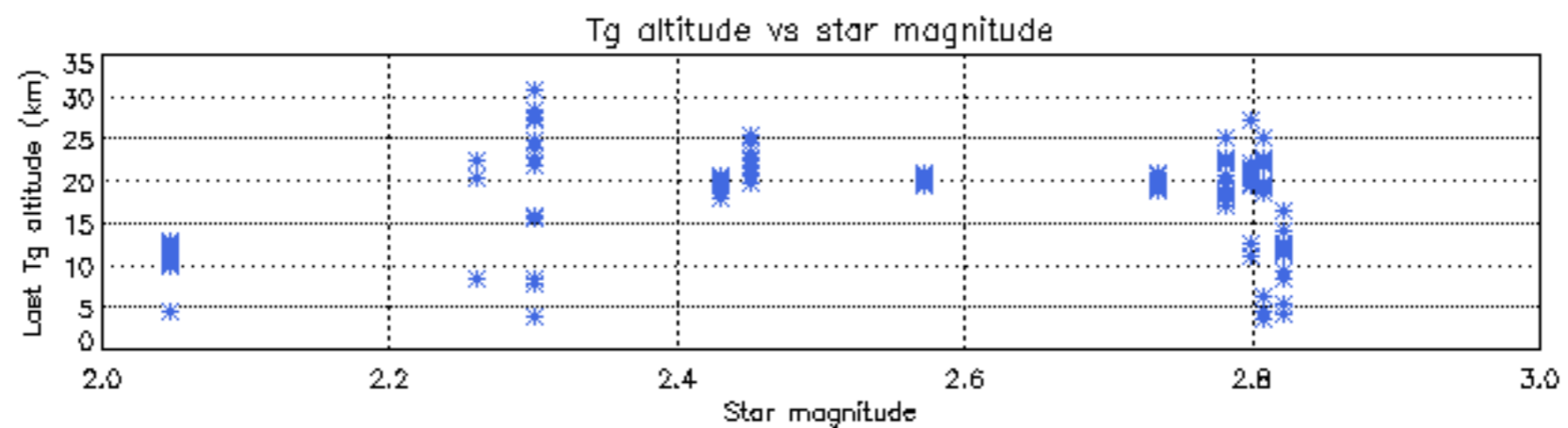
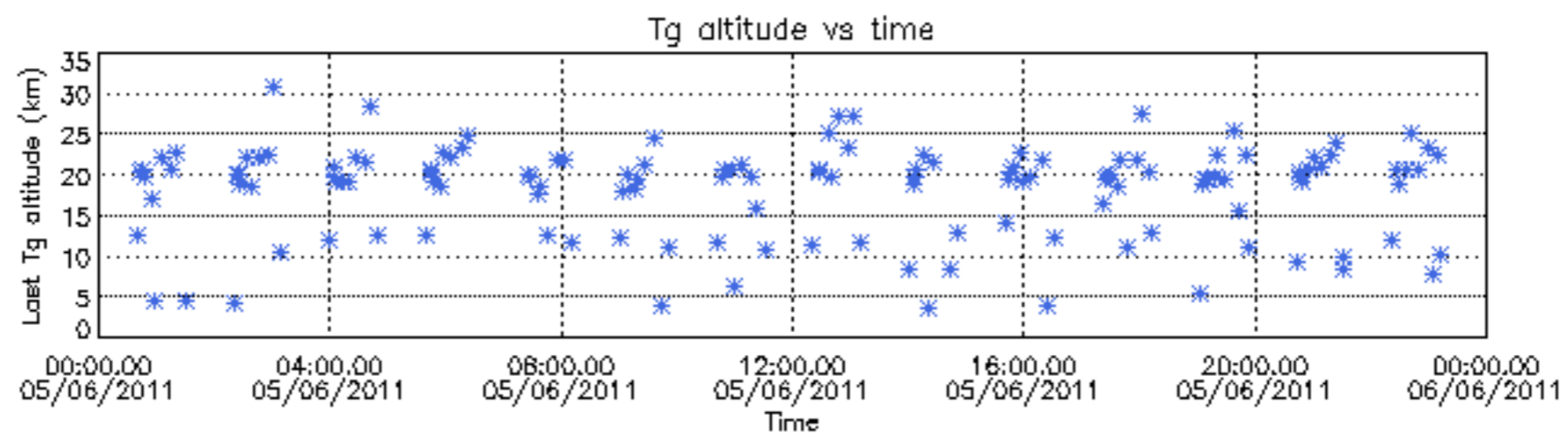


Tangent altitude at which the star is lost

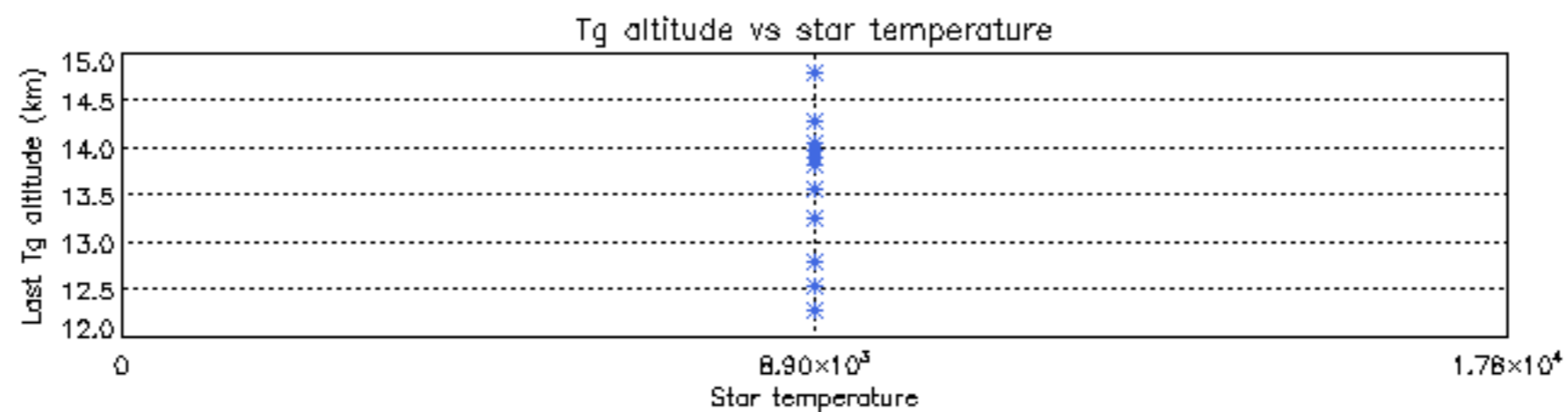
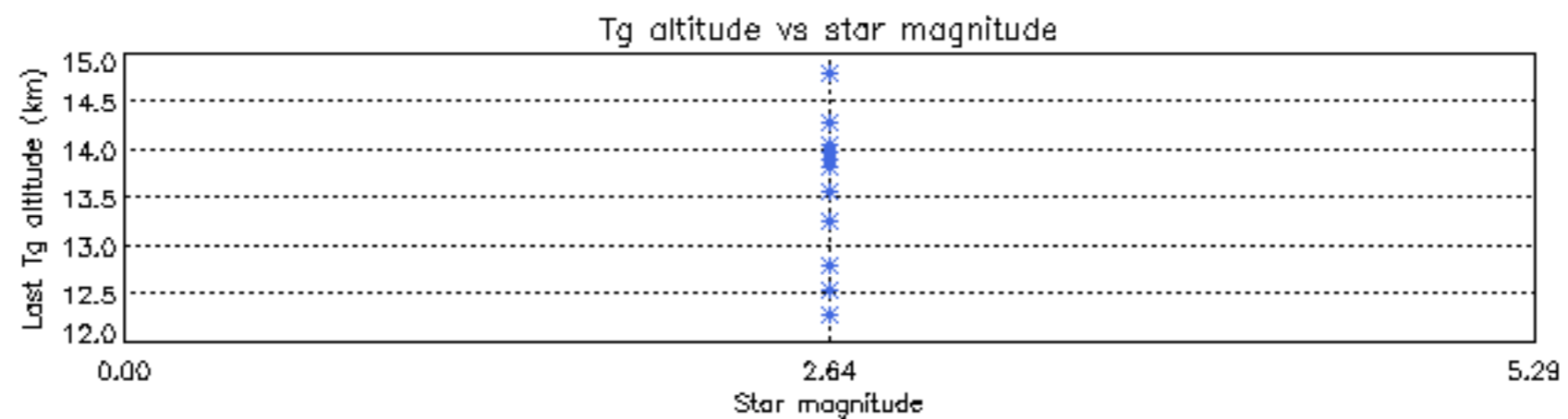
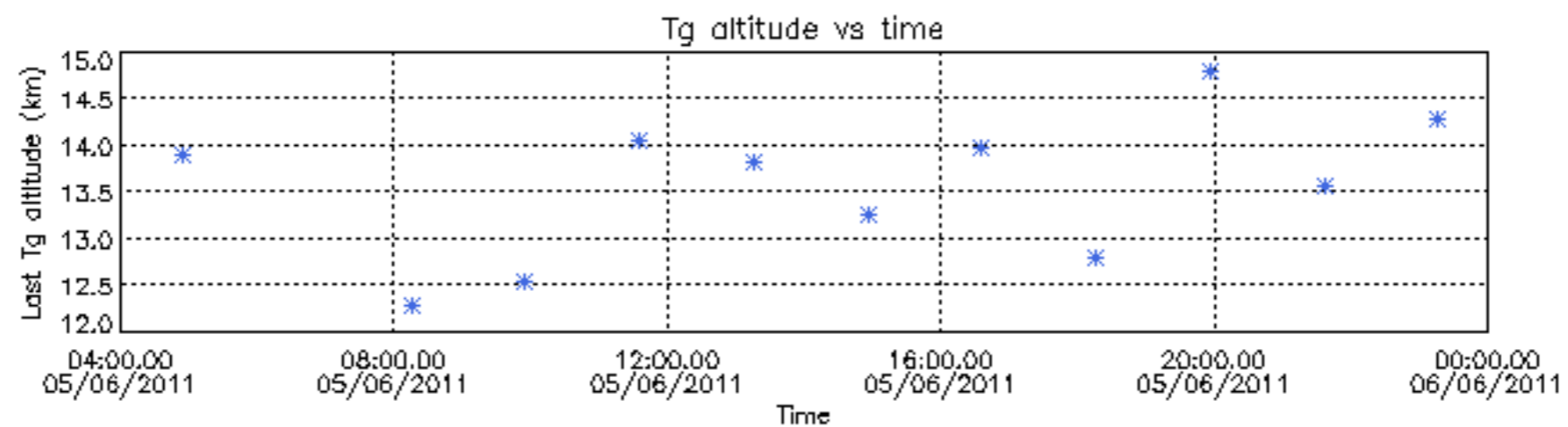


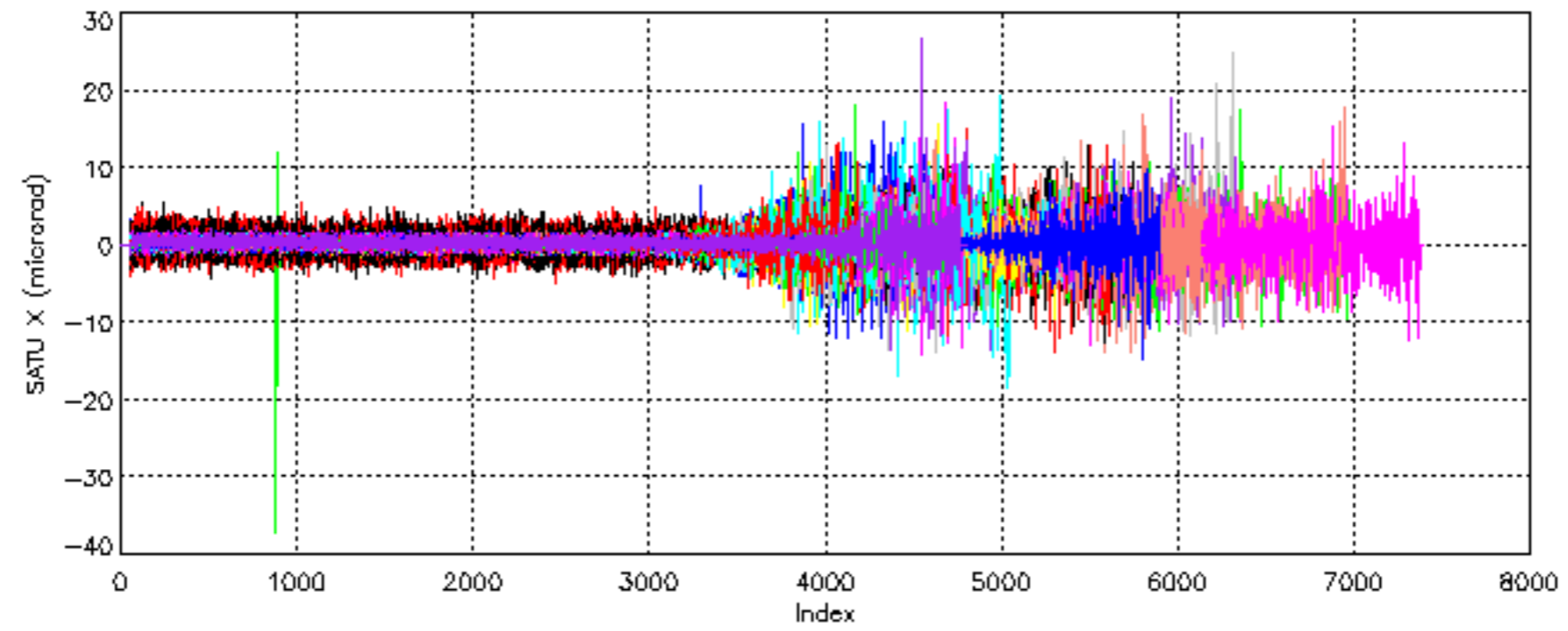


Tangent altitude at which the star is lost

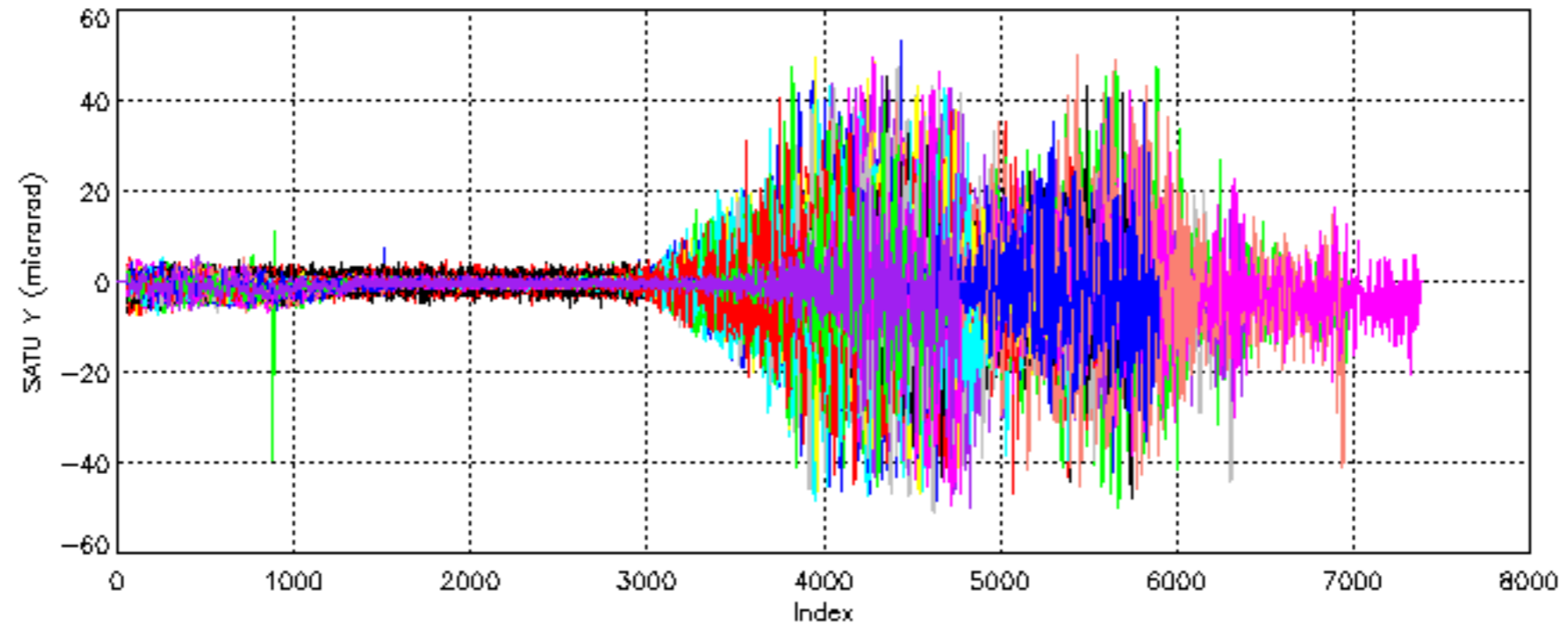


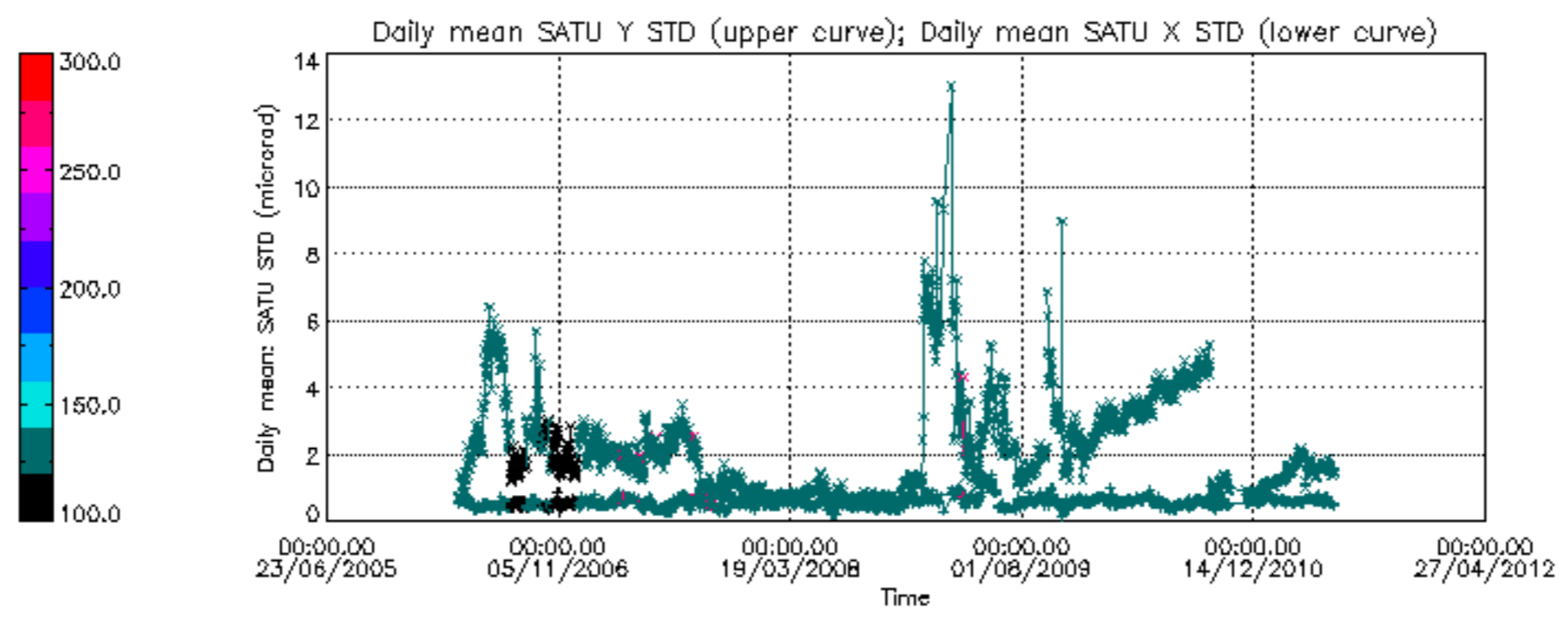
Tangent altitude at which the star is lost

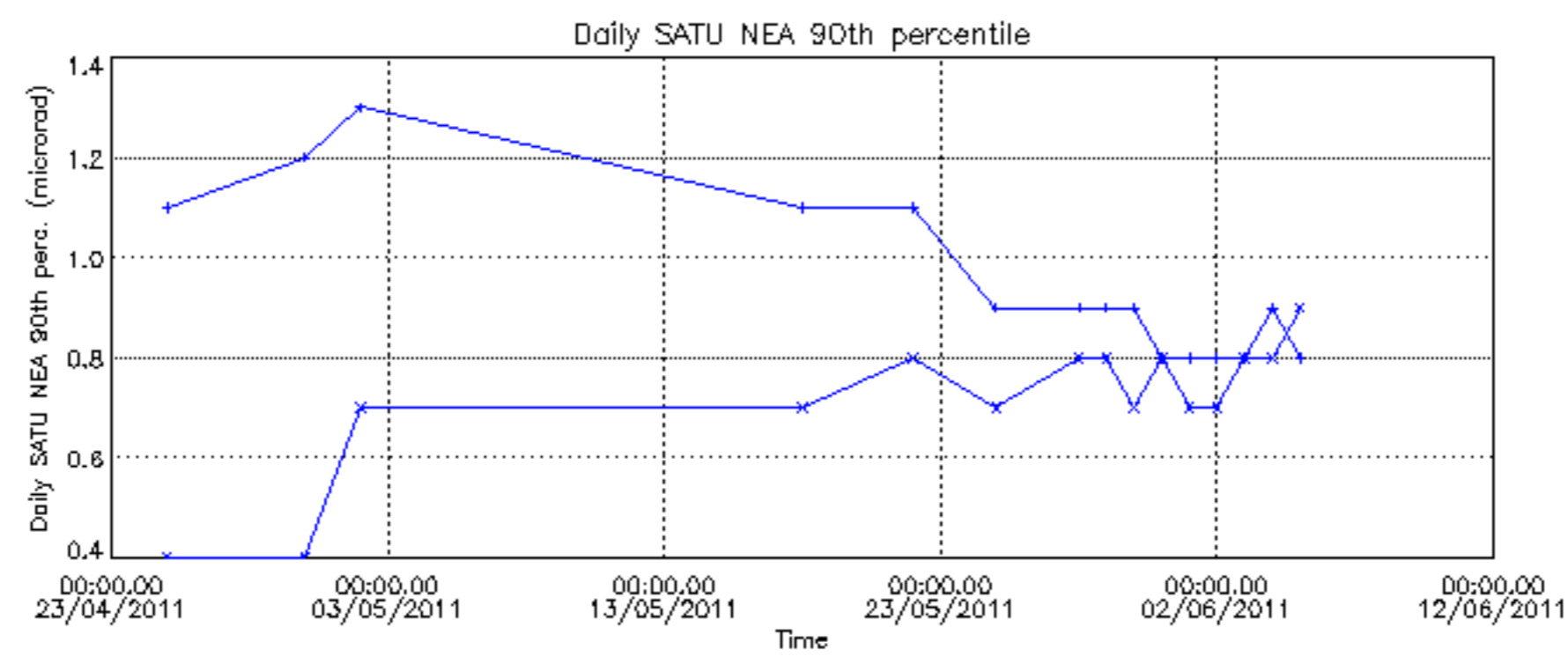














/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20110601\_005013\_000056293103\_00088\_48378\_5842.N1

1; -744.8; 01-JUN-2011 00:50:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48378  
 2; -641.2; 01-JUN-2011 00:51:56; Dark ; 50.5; 52; 16Bet Cet ; 2.04; 4500;occ; 101; 0;48378  
 3; -241.4; 01-JUN-2011 00:58:36; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;48378  
 4; -115.9; 01-JUN-2011 01:00:42; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;48378  
 5; 79.8; 01-JUN-2011 01:03:57; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;48379  
 6; 192.4; 01-JUN-2011 01:05:50; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48379  
 7; 487.9; 01-JUN-2011 01:10:46; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48379  
 8; 930.5; 01-JUN-2011 01:18:08; Dark ; 42.5; 147; Alp Ara ; 2.88; 26000;occ; 85; 0;48379  
 9; 1031.5; 01-JUN-2011 01:19:49; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;48379  
 10; 1138.9; 01-JUN-2011 01:21:37; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;48379  
 11; 1243.7; 01-JUN-2011 01:23:21; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;48379  
 12; 1365.1; 01-JUN-2011 01:25:23; Dark ; 51.0; 136; 23Tau Sco ; 2.82; 30000;occ; 102; 0;48379  
 13; 1488.9; 01-JUN-2011 01:27:27; Bright; 41.0; 80; 7Del Sco ; 2.32; 30000;occ; 82; 0;48379  
 14; 1580.3; 01-JUN-2011 01:28:58; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;48379  
 15; 1691.1; 01-JUN-2011 01:30:49; Bright; 43.0; 98; 13Zet Oph ; 2.57; 30000;occ; 86; 0;48379  
 16; 1821.9; 01-JUN-2011 01:33:00; Bright; 39.5; 120; 1Del Oph ; 2.73; 3200;occ; 79; 0;48379  
 17; 2001.9; 01-JUN-2011 01:36:00; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;48379  
 18; 2304.5; 01-JUN-2011 01:41:02; Bright; 44.0; 127; 27Bet Her ; 2.78; 4700;occ; 88; 0;48379  
 19; 2508.3; 01-JUN-2011 01:44:26; Bright; 44.0; 133; 40Zet Her ; 2.81; 6000;occ; 88; 0;48379  
 20; 2985.2; 01-JUN-2011 01:52:23; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;48379  
 21; 3602.0; 01-JUN-2011 02:02:40; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;48379  
 22; 3907.9; 01-JUN-2011 02:07:46; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;48379  
 23; 4373.1; 01-JUN-2011 02:15:31; Bright; 43.0; 53; 43Bet And ; 2.05; 3300;occ; 86; 0;48379  
 24; 4534.2; 01-JUN-2011 02:18:12; Dark ; 55.0; 58; 21Alp And ; 2.07; 11000;occ; 110; 0;48379  
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9; 2945.6; 14-JUN-2011 18:57:38; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;48576  
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9; 1284.5; 15-JUN-2011 01:10:53; Dark ; 53.5; 116; 19Del Sgr ; 2.70; 4100;occ; 107; 0;48580  
10; 1602.3; 15-JUN-2011 01:16:11; Bright; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;48580  
11; 1994.4; 15-JUN-2011 01:22:43; Bright; 46.5; 126; 60Bet Oph ; 2.77; 4250;occ; 93; 0;48580  
12; 2144.9; 15-JUN-2011 01:25:13; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;48580  
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14; 2444.9; 15-JUN-2011 01:30:13; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;48580  
15; 2851.7; 15-JUN-2011 01:37:00; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48580  
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20; 4247.9; 15-JUN-2011 02:00:16; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;48580  
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4; 265.6; 15-JUN-2011 02:34:08; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48581  
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9; 1284.9; 15-JUN-2011 02:51:07; Dark ; 52.5; 116; 19Del Sgr ; 2.70; 4100;occ; 105; 0;48581
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13; 2263.4; 15-JUN-2011 03:07:26; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;48581
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16; 2951.9; 15-JUN-2011 03:18:54; Bright; 29.5; 119; 14Eta Dra ; 2.73; 4700;occ; 59; 0;48581
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8; -105.0; 15-JUN-2011 04:08:11; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;48581
9; 266.8; 15-JUN-2011 04:14:23; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;48582
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13; 1196.0; 15-JUN-2011 04:29:52; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;48582
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16; 1994.0; 15-JUN-2011 04:43:10; Bright; 47.0; 126; 60Bet Oph ; 2.77; 4250;occ; 94; 0;48582
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18; 2263.4; 15-JUN-2011 04:47:40; Bright; 37.5; 127; 27Bet Her ; 2.78; 4700;occ; 75; 0;48582
19; 2444.5; 15-JUN-2011 04:50:41; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;48582
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15; 1603.1; 15-JUN-2011 06:16:53; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;48583
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19; 2444.5; 15-JUN-2011 06:30:55; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;48583
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4; 1991.9; 15-JUN-2011 21:25:28; Bright; 43.0; 126; 60Bet Oph ; 2.77; 4250;occ; 86; 0;48592
5; 2141.4; 15-JUN-2011 21:27:58; Bright; 43.0; 59; 55Alp Oph ; 2.08; 8900;occ; 86; 0;48592
6; 2262.6; 15-JUN-2011 21:29:59; Bright; 39.0; 127; 27Bet Her ; 2.78; 4700;occ; 78; 0;48592
7; 2443.1; 15-JUN-2011 21:32:59; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;48592
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3; -83.2; 17-JUN-2011 01:14:50; Dark ; 57.5; 84; Alp Phe ; 2.40; 4500;occ; 115; 0;48608
4; 293.3; 17-JUN-2011 01:21:07; Dark ; 48.0; 63; Bet Gru ; 2.15; 2800;occ; 96; 0;48609
5; 416.1; 17-JUN-2011 01:23:10; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48609
6; 538.8; 17-JUN-2011 01:25:12; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;48609
7; 635.5; 17-JUN-2011 01:26:49; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48609
8; 1206.1; 17-JUN-2011 01:36:20; Dark ; 48.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 96; 0;48609
9; 1294.3; 17-JUN-2011 01:37:48; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;48609
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12;	2137.0;	17-JUN-2011	01:51:51;	Bright;	42.0;	59;	55Alp	Oph	;	2.08;	8900;	occ;	84;	0;	48609	
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14;	2759.7;	17-JUN-2011	02:02:13;	Bright;	41.0;	5;	3Alp	Lyr	;	0.03;	11000;	occ;	82;	0;	48609	
15;	2841.5;	17-JUN-2011	02:03:35;	Bright;	38.5;	130;	23Bet	Dra	;	2.80;	5800;	occ;	77;	0;	48609	
16;	3453.4;	17-JUN-2011	02:13:47;	Bright;	47.5;	89;	5Alp	Cep	;	2.45;	8000;	occ;	95;	0;	48609	
17;	3847.2;	17-JUN-2011	02:20:21;	Bright;	44.5;	74;	11Bet	Cas	;	2.27;	6600;	occ;	89;	0;	48609	
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21;	4604.5;	17-JUN-2011	02:32:58;	Dark	;	46.5;	50;	13Alp	Ari	;	2.01;	4250;	occ;	93;	0;	48609
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23;	5566.7;	17-JUN-2011	02:49:00;	Dark	;	57.5;	52;	16Bet	Cet	;	2.04;	4500;	occ;	115;	0;	48609
24;	5931.8;	17-JUN-2011	02:55:05;	Dark	;	55.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	110;	0;	48609
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26;	6431.1;	17-JUN-2011	03:03:25;	Dark	;	46.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	92;	0;	48610
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29;	7220.7;	17-JUN-2011	03:16:34;	Dark	;	48.0;	38;	20Eps	Sgr	;	1.84;	11000;	occ;	96;	0;	48610
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13; 3425.6; 19-JUN-2011 22:42:53; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48650
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4; -1766.6; 26-JUN-2011 05:17:34; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48740
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6; -1376.4; 26-JUN-2011 05:24:04; Dark ; 53.5; 50; 13Alp Ari ; 2.01; 4250;occ; 107; 0;48740
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9; 34.7; 26-JUN-2011 05:47:35; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;48741
10; 423.2; 26-JUN-2011 05:54:04; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48741
11; 542.7; 26-JUN-2011 05:56:03; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48741
12; 708.8; 26-JUN-2011 05:58:49; Dark ; 47.5; 45; Alp Pav ; 1.94; 26000;occ; 95; 0;48741
13; 1248.7; 26-JUN-2011 06:07:49; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48741
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16; 1972.1; 26-JUN-2011 06:19:53; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48741
17; 2113.3; 26-JUN-2011 06:22:14; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48741
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4; 1971.3; 26-JUN-2011 21:21:58; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48750
5; 2112.6; 26-JUN-2011 21:24:19; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48750
6; 2661.0; 26-JUN-2011 21:33:27; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48750
7; 2801.8; 26-JUN-2011 21:35:48; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48750
8; 3787.9; 26-JUN-2011 21:52:14; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48750
9; 3885.2; 26-JUN-2011 21:53:52; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48750
10; 4043.7; 26-JUN-2011 21:56:30; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48750
11; 4246.7; 26-JUN-2011 21:59:53; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48750
12; 4398.0; 26-JUN-2011 22:02:25; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48750
13; 4640.3; 26-JUN-2011 22:06:27; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48750
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3; 432.8; 26-JUN-2011 22:36:33; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;48751
4; 551.8; 26-JUN-2011 22:38:32; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48751
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7; 1334.3; 26-JUN-2011 22:51:35; Dark ; 55.5; 116; 19Del Sgr ; 2.70; 4100;occ; 111; 0;48751

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13; 3787.4; 26-JUN-2011 23:32:28; Bright; 53.0; 74; 11Bet Cas ; 2.27; 6600;occ; 106; 0;48751
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11; 543.4; 26-JUN-2011 07:36:18; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48742
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13; 1249.0; 26-JUN-2011 07:48:04; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 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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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
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 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  
 14; 6443.2; 26-JUN-2011 15:55:33; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;48747  
 15; 6562.5; 26-JUN-2011 15:57:33; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48747  
 16; 6725.9; 26-JUN-2011 16:00:16; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48747  
 17; 7264.5; 26-JUN-2011 16:09:15; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 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  
 6; 2662.8; 26-JUN-2011 16:32:47; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48747  
 7; 2802.6; 26-JUN-2011 16:35:07; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48747  
 8; 3789.4; 26-JUN-2011 16:51:34; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48747  
 9; 3886.5; 26-JUN-2011 16:53:11; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48747



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 11; 4246.9; 26-JUN-2011 16:59:11; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;48747  
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 13; 4639.8; 26-JUN-2011 17:05:44; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48747  
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 15; 5440.8; 26-JUN-2011 17:19:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48747  
 16; 6055.1; 26-JUN-2011 17:29:19; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48748  
 17; 6444.2; 26-JUN-2011 17:35:49; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48748  
 18; 6563.2; 26-JUN-2011 17:37:48; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48748  
 19; 6726.6; 26-JUN-2011 17:40:31; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48748

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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  
 6; 2662.2; 26-JUN-2011 18:13:01; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48748  
 7; 2802.2; 26-JUN-2011 18:15:21; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48748  
 8; 3788.9; 26-JUN-2011 18:31:47; Bright; 60.5; 74; 11Bet Cas ; 2.27; 6600;occ; 121; 0;48748  
 9; 3886.0; 26-JUN-2011 18:33:24; Bright; 57.0; 68; 18Alp Cas ; 2.22; 4500;occ; 114; 0;48748  
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 11; 4246.8; 26-JUN-2011 18:39:25; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48748  
 12; 4398.2; 26-JUN-2011 18:41:57; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48748  
 13; 4639.9; 26-JUN-2011 18:45:58; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;48748  
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 15; 5441.6; 26-JUN-2011 18:59:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48748  
 16; 6056.1; 26-JUN-2011 19:09:35; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48749  
 17; 6444.9; 26-JUN-2011 19:16:03; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48749  
 18; 6564.1; 26-JUN-2011 19:18:03; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48749  
 19; 6727.1; 26-JUN-2011 19:20:46; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48749

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 2; 1333.7; 26-JUN-2011 19:31:06; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48749  
 3; 1459.9; 26-JUN-2011 19:33:12; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48749  
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 5; 2112.4; 26-JUN-2011 19:44:05; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48749  
 6; 2661.6; 26-JUN-2011 19:53:14; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;48749  
 7; 2802.1; 26-JUN-2011 19:55:35; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48749  
 8; 3788.3; 26-JUN-2011 20:12:01; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;48749  
 9; 3885.8; 26-JUN-2011 20:13:38; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48749  
 10; 4043.9; 26-JUN-2011 20:16:16; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48749  
 11; 4246.7; 26-JUN-2011 20:19:39; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48749  
 12; 4397.9; 26-JUN-2011 20:22:10; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48749  
 13; 4640.1; 26-JUN-2011 20:26:13; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48749  
 14; 4934.4; 26-JUN-2011 20:31:07; Dark ; 43.5; 94; 92Alp Cet ; 2.53; 3100;occ; 87; 0;48749  
 15; 5442.3; 26-JUN-2011 20:39:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48749  
 16; 6057.3; 26-JUN-2011 20:49:50; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48750  
 17; 6445.8; 26-JUN-2011 20:56:18; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48750  
 18; 6565.0; 26-JUN-2011 20:58:17; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48750  
 19; 6727.4; 26-JUN-2011 21:01:00; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48750

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 3; 433.8; 27-JUN-2011 00:16:48; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48752  
 4; 552.8; 27-JUN-2011 00:18:47; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48752  
 5; 714.4; 27-JUN-2011 00:21:29; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48752  
 6; 1251.6; 27-JUN-2011 00:30:26; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48752  
 7; 1334.3; 27-JUN-2011 00:31:49; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48752  
 8; 1460.6; 27-JUN-2011 00:33:55; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48752  
 9; 1971.2; 27-JUN-2011 00:42:26; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48752  
 10; 2112.1; 27-JUN-2011 00:44:46; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48752  
 11; 2659.9; 27-JUN-2011 00:53:54; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48752  
 12; 2801.3; 27-JUN-2011 00:56:16; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48752  
 13; 3355.6; 27-JUN-2011 01:05:30; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48752  
 14; 3786.9; 27-JUN-2011 01:12:41; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48752  
 15; 3884.5; 27-JUN-2011 01:14:19; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48752  
 16; 4043.6; 27-JUN-2011 01:16:58; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48752  
 17; 4246.6; 27-JUN-2011 01:20:21; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48752

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18; 4398.4; 27-JUN-2011 01:22:53; Dark ; 45.5; 173; 4Bet Tri ; 3.00; 8900;occ; 91; 0;48752
19; 4641.2; 27-JUN-2011 01:26:56; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48752
20; 4935.3; 27-JUN-2011 01:31:50; Dark ; 44.5; 94; 92Alp Cet ; 2.53; 3100;occ; 89; 0;48752
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3; 434.7; 27-JUN-2011 01:57:03; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;48753
4; 553.8; 27-JUN-2011 01:59:02; Dark ; 58.0; 31; Alp Gru ; 1.73; 15200;occ; 116; 0;48753
5; 714.8; 27-JUN-2011 02:01:43; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;48753
6; 1252.0; 27-JUN-2011 02:10:40; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48753
7; 1334.7; 27-JUN-2011 02:12:03; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48753
8; 1460.9; 27-JUN-2011 02:14:09; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48753
9; 1971.2; 27-JUN-2011 02:22:39; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48753
10; 2112.0; 27-JUN-2011 02:25:00; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48753
11; 2659.3; 27-JUN-2011 02:34:08; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48753
12; 2801.4; 27-JUN-2011 02:36:30; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48753
13; 3355.1; 27-JUN-2011 02:45:43; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;48753
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3;-1970.4; 27-JUN-2011 02:57:12; Bright; 39.5; 160; 23Gam Per ; 2.93; 4700;occ; 79; 0;48753
4;-1767.4; 27-JUN-2011 03:00:35; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48753
5;-1615.5; 27-JUN-2011 03:03:07; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48753
6;-1372.6; 27-JUN-2011 03:07:10; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48753
7;-1078.2; 27-JUN-2011 03:12:04; Dark ; 40.0; 94; 92Alp Cet ; 2.53; 3100;occ; 80; 0;48753
8; -568.5; 27-JUN-2011 03:20:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48753
9; 47.1; 27-JUN-2011 03:30:49; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48754
10; 435.9; 27-JUN-2011 03:37:18; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48754
11; 554.9; 27-JUN-2011 03:39:17; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48754
12; 715.5; 27-JUN-2011 03:41:58; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48754
13; 1252.4; 27-JUN-2011 03:50:55; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48754
14; 1335.1; 27-JUN-2011 03:52:17; Dark ; 43.0; 116; 19Del Sgr ; 2.70; 4100;occ; 86; 0;48754
15; 1461.0; 27-JUN-2011 03:54:23; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48754
16; 1971.1; 27-JUN-2011 04:02:53; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48754
17; 2111.9; 27-JUN-2011 04:05:14; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48754
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19; 2801.1; 27-JUN-2011 04:16:43; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48754
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2;-2130.2; 27-JUN-2011 04:34:46; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48754
3;-1970.3; 27-JUN-2011 04:37:26; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48754
4;-1767.5; 27-JUN-2011 04:40:49; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48754
5;-1615.5; 27-JUN-2011 04:43:21; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48754
6;-1372.2; 27-JUN-2011 04:47:24; Dark ; 56.0; 50; 13Alp Ari ; 2.01; 4250;occ; 112; 0;48754
7;-1077.7; 27-JUN-2011 04:52:19; Dark ; 38.5; 94; 92Alp Cet ; 2.53; 3100;occ; 77; 0;48754
8; -567.7; 27-JUN-2011 05:00:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48754
9; 48.1; 27-JUN-2011 05:11:04; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48755
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11; 555.7; 27-JUN-2011 05:19:32; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48755
12; 716.2; 27-JUN-2011 05:22:13; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48755
13; 1252.6; 27-JUN-2011 05:31:09; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48755
14; 1335.2; 27-JUN-2011 05:32:31; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48755
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16; 1971.1; 27-JUN-2011 05:43:07; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48755
17; 2111.8; 27-JUN-2011 05:45:28; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48755
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3; 1463.2; 27-JUN-2011 20:36:45; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48764
4; 1970.9; 27-JUN-2011 20:45:13; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48764
5; 2111.1; 27-JUN-2011 20:47:33; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48764
6; 2653.6; 27-JUN-2011 20:56:36; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48764
7; 2799.2; 27-JUN-2011 20:59:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48764
8; 3347.8; 27-JUN-2011 21:08:10; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48764

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12; 2799.0; 27-JUN-2011 22:39:15; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48765
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18; 4399.2; 27-JUN-2011 23:05:55; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48765
19; 4645.0; 27-JUN-2011 23:10:01; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48765
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3; 447.6; 27-JUN-2011 23:40:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48766
4; 565.6; 27-JUN-2011 23:42:16; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48766
5; 721.7; 27-JUN-2011 23:44:52; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48766
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5; -1615.4; 27-JUN-2011 06:23:35; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48755
6; -1371.9; 27-JUN-2011 06:27:39; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;48755
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9; 49.2; 27-JUN-2011 06:51:20; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48756
10; 438.0; 27-JUN-2011 06:57:48; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48756
11; 556.8; 27-JUN-2011 06:59:47; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48756
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13; 1252.9; 27-JUN-2011 07:11:23; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48756
14; 1335.5; 27-JUN-2011 07:12:46; Dark ; 46.5; 116; 19Del Sgr ; 2.70; 4100;occ; 93; 0;48756
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 5; 3353.1; 27-JUN-2011 07:46:23; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;48756  
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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  
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 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  
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 11; 4642.7; 27-JUN-2011 09:48:07; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48757  
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 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  
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 19; 7350.0; 27-JUN-2011 10:33:14; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48758  
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 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  
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 8; 4043.5; 27-JUN-2011 11:18:22; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48758  
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 11; 4642.8; 27-JUN-2011 11:28:21; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48758  
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 13; 5449.4; 27-JUN-2011 11:41:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48758  
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 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  
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 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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22; 4945.6; 28-JUN-2011 22:38:18; Dark ; 38.0; 94; 92Alp Cet ; 2.53; 3100;occ; 76; 0;48779
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 3; 461.1; 28-JUN-2011 23:03:47; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48780
 4; 578.4; 28-JUN-2011 23:05:44; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48780
 5; 728.7; 28-JUN-2011 23:08:15; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48780
 6; 1259.4; 28-JUN-2011 23:17:05; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48780
 7; 1341.3; 28-JUN-2011 23:18:27; Dark ; 56.0; 116; 19Del Sgr ; 2.70; 4100;occ; 112; 0;48780
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10; 2109.9; 28-JUN-2011 23:31:16; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48780
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13; 2796.0; 28-JUN-2011 23:42:42; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48780
14; 3336.9; 28-JUN-2011 23:51:43; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48780
15; 3772.9; 28-JUN-2011 23:58:59; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;48780
16; 3873.0; 29-JUN-2011 00:00:39; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48780
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13; 1257.2; 28-JUN-2011 08:14:57; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48771
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 4; 2798.0; 28-JUN-2011 08:40:38; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48771
 5; 3343.1; 28-JUN-2011 08:49:43; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48771
 6; 3777.8; 28-JUN-2011 08:56:58; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48771
 7; 3876.8; 28-JUN-2011 08:58:37; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48771
 8; 4043.3; 28-JUN-2011 09:01:23; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48771
 9; 4245.9; 28-JUN-2011 09:04:46; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48771
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11; 4646.8; 28-JUN-2011 09:11:27; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48771
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15; 6467.2; 28-JUN-2011 09:41:47; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48772
16; 6585.0; 28-JUN-2011 09:43:45; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48772
17; 6738.8; 28-JUN-2011 09:46:19; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48772
18; 7271.4; 28-JUN-2011 09:55:12; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;48772
19; 7353.4; 28-JUN-2011 09:56:34; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48772
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6; 3777.1; 28-JUN-2011 10:37:11; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48772
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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
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12; 4943.0; 28-JUN-2011 10:56:37; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48772
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
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19; 7353.7; 28-JUN-2011 11:36:48; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48773
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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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4; 2797.4; 28-JUN-2011 13:41:19; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48774
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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
18; 7272.4; 28-JUN-2011 14:55:54; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;48775
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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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 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778  
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 8; 1969.9; 29-JUN-2011 02:49:24; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48782
 9; 2109.6; 29-JUN-2011 02:51:43; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48782
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12; 2795.8; 29-JUN-2011 03:03:10; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;48782
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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 4;-1769.0; 29-JUN-2011 03:27:19; Bright; 55.5; 73; 57Gam1And ; 2.26; 13100;occ; 111; 0;48782
 5;-1613.4; 29-JUN-2011 03:29:54; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48782
 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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 9; 75.8; 29-JUN-2011 03:58:04; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48783
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13; 1300.5; 29-JUN-2011 04:18:28; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;48783
14; 1467.0; 29-JUN-2011 04:21:15; Bright; 46.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 92; 0;48783
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13; 1300.7; 29-JUN-2011 05:58:43; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;48784
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7; 1469.3; 29-JUN-2011 22:43:51; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48794
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5; 2795.4; 29-JUN-2011 08:03:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48785
6; 3333.5; 29-JUN-2011 08:12:49; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48785
7; 3770.6; 29-JUN-2011 08:20:07; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48785
8; 3871.0; 29-JUN-2011 08:21:47; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;48785
9; 4042.5; 29-JUN-2011 08:24:38; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48785
10; 4245.0; 29-JUN-2011 08:28:01; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;48785
11; 4400.9; 29-JUN-2011 08:30:37; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48785
12; 4651.3; 29-JUN-2011 08:34:47; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48785
13; 4948.5; 29-JUN-2011 08:39:44; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48785
14; 5471.6; 29-JUN-2011 08:48:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48785
15; 6092.8; 29-JUN-2011 08:58:49; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;48786
16; 6481.1; 29-JUN-2011 09:05:17; Dark ; 65.0; 63; Bet Gru ; 2.15; 2800;occ; 130; 0;48786
17; 6598.0; 29-JUN-2011 09:07:14; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48786
18; 6745.7; 29-JUN-2011 09:09:42; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48786
19; 7315.7; 29-JUN-2011 09:19:12; Dark ; 47.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 95; 0;48786
20; 7481.6; 29-JUN-2011 09:21:58; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48786

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3; 2224.1; 29-JUN-2011 09:34:34; Bright; 50.0; 168; 17Zet Aql ; 2.99; 11000;occ; 100; 0;48786  
4; 2642.3; 29-JUN-2011 09:41:32; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48786  
5; 2795.4; 29-JUN-2011 09:44:05; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48786  
6; 3770.2; 29-JUN-2011 10:00:20; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48786  
7; 3870.7; 29-JUN-2011 10:02:01; Bright; 50.5; 68; 18Alp Cas ; 2.22; 4500;occ; 101; 0;48786  
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9; 4244.9; 29-JUN-2011 10:08:15; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48786  
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12; 4948.9; 29-JUN-2011 10:19:59; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48786  
13; 5472.4; 29-JUN-2011 10:28:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48786  
14; 6093.9; 29-JUN-2011 10:39:04; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;48787  
15; 6482.1; 29-JUN-2011 10:45:32; Dark ; 69.0; 63; Bet Gru ; 2.15; 2800;occ; 138; 0;48787  
16; 6599.1; 29-JUN-2011 10:47:29; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48787  
17; 6746.3; 29-JUN-2011 10:49:56; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;48787  
18; 7315.9; 29-JUN-2011 10:59:26; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48787  
19; 7481.9; 29-JUN-2011 11:02:12; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48787

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2; 2109.7; 29-JUN-2011 11:12:53; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48787  
3; 2223.6; 29-JUN-2011 11:14:47; Bright; 51.0; 168; 17Zet Aql ; 2.99; 11000;occ; 102; 0;48787  
4; 2641.7; 29-JUN-2011 11:21:46; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48787  
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7; 3870.2; 29-JUN-2011 11:42:14; Bright; 46.5; 68; 18Alp Cas ; 2.22; 4500;occ; 93; 0;48787  
8; 4042.6; 29-JUN-2011 11:45:06; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48787  
9; 4244.9; 29-JUN-2011 11:48:29; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48787  
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11; 4651.9; 29-JUN-2011 11:55:16; Dark ; 56.0; 50; 13Alp Ari ; 2.01; 4250;occ; 112; 0;48787  
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13; 5473.3; 29-JUN-2011 12:08:57; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48787  
14; 6094.8; 29-JUN-2011 12:19:19; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48788  
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16; 6599.9; 29-JUN-2011 12:27:44; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48788  
17; 6746.7; 29-JUN-2011 12:30:11; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;48788  
18; 7316.2; 29-JUN-2011 12:39:40; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;48788  
19; 7482.1; 29-JUN-2011 12:42:26; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48788

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4; 2641.3; 29-JUN-2011 13:01:59; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48788  
5; 2795.1; 29-JUN-2011 13:04:33; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48788  
6; 2914.0; 29-JUN-2011 13:06:32; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48788  
7; 3769.2; 29-JUN-2011 13:20:47; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48788  
8; 3869.9; 29-JUN-2011 13:22:28; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48788  
9; 4042.5; 29-JUN-2011 13:25:20; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48788  
10; 4244.9; 29-JUN-2011 13:28:43; Bright; 56.5; 73; 57Gam1And ; 2.26; 13100;occ; 113; 0;48788  
11; 4401.0; 29-JUN-2011 13:31:19; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48788  
12; 4652.2; 29-JUN-2011 13:35:30; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48788  
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19; 7316.3; 29-JUN-2011 14:19:54; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48789  
20; 7482.2; 29-JUN-2011 14:22:40; Bright; 44.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 89; 0;48789

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3; 2222.7; 29-JUN-2011 14:35:14; Bright; 50.5; 168; 17Zet Aql ; 2.99; 11000;occ; 101; 0;48789  
4; 2640.8; 29-JUN-2011 14:42:13; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48789  
5; 2795.0; 29-JUN-2011 14:44:47; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48789  
6; 2913.3; 29-JUN-2011 14:46:45; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48789

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10; 4042.6; 29-JUN-2011 15:05:34; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48789
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13; 4652.6; 29-JUN-2011 15:15:44; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48789
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16; 6097.0; 29-JUN-2011 15:39:49; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48790
17; 6485.0; 29-JUN-2011 15:46:17; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48790
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2; 1468.4; 29-JUN-2011 16:02:54; Bright; 46.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 92; 0;48790
3; 1970.1; 29-JUN-2011 16:11:16; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48790
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5; 2222.2; 29-JUN-2011 16:15:28; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48790
6; 2640.3; 29-JUN-2011 16:22:26; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;48790
7; 2794.8; 29-JUN-2011 16:25:01; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48790
8; 2912.4; 29-JUN-2011 16:26:58; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;48790
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13; 4244.8; 29-JUN-2011 16:49:11; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48790
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6; 2639.8; 29-JUN-2011 18:02:40; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48791
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12; 4042.3; 29-JUN-2011 18:26:02; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;48791
13; 4244.8; 29-JUN-2011 18:29:25; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48791
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15; 4653.1; 29-JUN-2011 18:36:13; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;48791
16; 4950.9; 29-JUN-2011 18:41:11; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48791
17; 5476.8; 29-JUN-2011 18:49:57; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48791
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19; 6487.0; 29-JUN-2011 19:06:47; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48792
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3; 475.7; 30-JUN-2011 00:07:31; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48795
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5; 736.1; 30-JUN-2011 00:11:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48795
6; 1304.0; 30-JUN-2011 00:21:20; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48795
7; 1469.3; 30-JUN-2011 00:24:05; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48795
8; 1969.7; 30-JUN-2011 00:32:25; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48795
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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 2; 1468.7; 29-JUN-2011 19:23:23; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48792  
 3; 1969.8; 29-JUN-2011 19:31:44; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48792  
 4; 2109.4; 29-JUN-2011 19:34:03; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48792  
 5; 2221.0; 29-JUN-2011 19:35:55; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48792  
 6; 2639.2; 29-JUN-2011 19:42:53; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48792  
 7; 2794.3; 29-JUN-2011 19:45:28; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;48792  
 8; 2910.5; 29-JUN-2011 19:47:24; Bright; 42.0; 144; 18Del Cyg ; 2.86; 11000;occ; 84; 0;48792  
 9; 3328.8; 29-JUN-2011 19:54:23; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48792  
 10; 3767.1; 29-JUN-2011 20:01:41; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48792  
 11; 3868.1; 29-JUN-2011 20:03:22; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48792  
 12; 4042.3; 29-JUN-2011 20:06:16; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48792  
 13; 4244.6; 29-JUN-2011 20:09:38; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48792  
 14; 4401.3; 29-JUN-2011 20:12:15; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48792  
 15; 4653.4; 29-JUN-2011 20:16:27; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48792  
 16; 4951.2; 29-JUN-2011 20:21:25; Dark ; 41.5; 94; 92Alp Cet ; 2.53; 3100;occ; 83; 0;48792  
 17; 5477.6; 29-JUN-2011 20:30:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48792  
 18; 6099.9; 29-JUN-2011 20:40:34; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48793  
 19; 6487.8; 29-JUN-2011 20:47:02; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48793  
 20; 6604.4; 29-JUN-2011 20:48:58; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48793  
 21; 6749.2; 29-JUN-2011 20:51:23; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48793

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 3; 476.8; 30-JUN-2011 01:47:46; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48796  
 4; 593.0; 30-JUN-2011 01:49:43; Dark ; 60.0; 31; Alp Gru ; 1.73; 15200;occ; 120; 0;48796  
 5; 736.6; 30-JUN-2011 01:52:06; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48796  
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 7; 1469.4; 30-JUN-2011 02:04:19; Bright; 46.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 92; 0;48796  
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 9; 2109.2; 30-JUN-2011 02:14:59; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48796  
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 11; 2637.2; 30-JUN-2011 02:23:47; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48796  
 12; 2793.7; 30-JUN-2011 02:26:23; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48796  
 13; 2907.0; 30-JUN-2011 02:28:17; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;48796  
 14; 3326.1; 30-JUN-2011 02:35:16; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48796  
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 16; 3866.3; 30-JUN-2011 02:44:16; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48796  
 17; 4041.9; 30-JUN-2011 02:47:12; Bright; 52.5; 160; 23Gam Per ; 2.93; 4700;occ; 105; 0;48796  
 18; 4244.3; 30-JUN-2011 02:50:34; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;48796  
 19; 4401.4; 30-JUN-2011 02:53:11; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48796  
 20; 4654.5; 30-JUN-2011 02:57:24; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;48796  
 21; 4952.8; 30-JUN-2011 03:02:22; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48796  
 22; 5481.0; 30-JUN-2011 03:11:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48796  
 23; 6104.0; 30-JUN-2011 03:21:34; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;48797  
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 27; 7318.8; 30-JUN-2011 03:41:48; Dark ; 47.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 95; 0;48797  
 28; 7483.8; 30-JUN-2011 03:44:33; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48797  
 29; 7983.9; 30-JUN-2011 03:52:53; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48797  
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 31; 8232.3; 30-JUN-2011 03:57:02; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;48797  
 32; 8651.0; 30-JUN-2011 04:04:01; Bright; 43.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 87; 0;48797  
 33; 8807.6; 30-JUN-2011 04:06:37; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48797



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35; 9339.5; 30-JUN-2011 04:15:29; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48797
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8; -532.0; 30-JUN-2011 04:51:26; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48797
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11; 594.8; 30-JUN-2011 05:10:12; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48798
12; 737.8; 30-JUN-2011 05:12:35; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48798
13; 1305.1; 30-JUN-2011 05:22:03; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;48798
14; 1470.0; 30-JUN-2011 05:24:48; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48798
15; 1969.9; 30-JUN-2011 05:33:08; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48798
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17; 2217.8; 30-JUN-2011 05:37:15; Bright; 47.5; 168; 17Zet Aql ; 2.99; 11000;occ; 95; 0;48798
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19; 2793.4; 30-JUN-2011 05:46:51; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48798
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5; 2213.1; 30-JUN-2011 20:39:17; Bright; 47.0; 168; 17Zet Aql ; 2.99; 11000;occ; 94; 0;48807
6; 2632.1; 30-JUN-2011 20:46:16; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48807
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9; 3319.0; 30-JUN-2011 20:57:43; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48807
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12; 4041.4; 30-JUN-2011 21:09:45; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48807
13; 4145.4; 30-JUN-2011 21:11:29; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48807
14; 4243.6; 30-JUN-2011 21:13:07; Bright; 49.0; 73; 57Gam1And ; 2.26; 13100;occ; 98; 0;48807
15; 4402.3; 30-JUN-2011 21:15:46; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48807
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3; -1972.0; 30-JUN-2011 06:07:40; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48798
4; -1769.8; 30-JUN-2011 06:11:02; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48798
5; -1612.4; 30-JUN-2011 06:13:39; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48798
6; -1358.6; 30-JUN-2011 06:17:53; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48798
7; -1060.3; 30-JUN-2011 06:22:51; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48798
8; -531.1; 30-JUN-2011 06:31:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48798
9; 92.1; 30-JUN-2011 06:42:04; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48799
10; 479.7; 30-JUN-2011 06:48:31; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;48799
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3; 2217.4; 30-JUN-2011 07:17:29; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;48799
4; 2636.0; 30-JUN-2011 07:24:28; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;48799
5; 2793.3; 30-JUN-2011 07:27:05; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48799
6; 2904.5; 30-JUN-2011 07:28:56; Bright; 54.0; 144; 18Del Cyg ; 2.86; 11000;occ; 108; 0;48799
7; 3324.1; 30-JUN-2011 07:35:56; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48799
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
10; 4042.0; 30-JUN-2011 07:47:54; Bright; 42.0; 160; 23Gam Per ; 2.93; 4700;occ; 84; 0;48799

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 13; 4655.6; 30-JUN-2011 07:58:07; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48799  
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 21; 7320.0; 30-JUN-2011 10:22:46; Dark ; 48.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 97; 0;48801  
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 13; 4401.8; 30-JUN-2011 11:14:21; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48801  
 14; 4656.2; 30-JUN-2011 11:18:36; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48801  
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 4; 2634.5; 30-JUN-2011 12:25:08; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;48802  
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12; 4243.9; 30-JUN-2011 12:51:57; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48802
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 3; 2215.2; 30-JUN-2011 13:58:23; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;48803
 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
 8; 3761.5; 30-JUN-2011 14:24:09; Bright; 68.0; 74; 11Bet Cas ; 2.27; 6600;occ; 136; 0;48803
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11; 4145.2; 30-JUN-2011 14:30:33; Bright; 42.0; 175; 39Del Per ; 3.01; 19400;occ; 84; 0;48803
12; 4243.9; 30-JUN-2011 14:32:11; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48803
13; 4402.1; 30-JUN-2011 14:34:50; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48803
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 4; 2214.7; 30-JUN-2011 15:38:36; Bright; 47.5; 168; 17Zet Aql ; 2.99; 11000;occ; 95; 0;48804
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 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
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