

# GOMOS Daily Report 14-JUN-2011

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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	17JUN2011 07:05:15
Data source version	GOMOS/6.01
Start time of products	14JUN2011 00:06:03
Stop time of products	14JUN2011 23:58:19
Store outputs in DB	Yes
Nb of level 1b prods	297
Nb of prods with errors	0

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

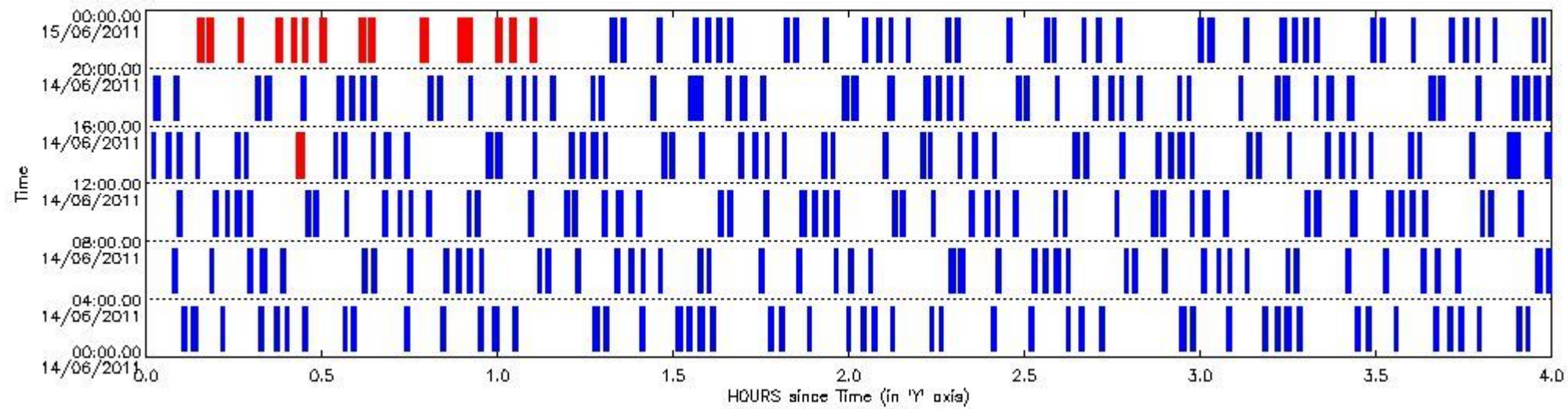
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
14-JUN-2011 12:25:43	5AlpCep	89	48572
14-JUN-2011 20:08:48	20EpsSgr	38	48577
14-JUN-2011 20:10:18	19DelSgr	116	48577
14-JUN-2011 20:15:36	35EtaOph	86	48577
14-JUN-2011 20:22:09	60BetOph	126	48577
14-JUN-2011 20:24:40	55AlpOph	59	48577
14-JUN-2011 20:26:38	27BetHer	127	48577
14-JUN-2011 20:29:39	40ZetHer	133	48577
14-JUN-2011 20:36:27	23BetDra	130	48577
14-JUN-2011 20:38:00	14EtaDra	119	48577
14-JUN-2011 20:46:49	5AlpCep	89	48577
14-JUN-2011 20:53:12	11BetCas	74	48577
14-JUN-2011 20:54:35	18AlpCas	68	48577
14-JUN-2011 20:59:42	57Gam1And	73	48577
14-JUN-2011 21:02:02	43BetAnd	53	48577

## 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_1PNPDE20110614_000603_000000453103_00275_48565_5336.N1	14-JUN-2011 00:06:03	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	48565	No
2	GOM_TRA_1PNPDE20110614_000746_000000653103_00275_48565_5337.N1	14-JUN-2011 00:07:46	Bright	65.000	57	34Sig Sgr	2.0660	26000.	130	48565	No
3	GOM_TRA_1PNPDE20110614_001239_000000403103_00275_48565_5338.N1	14-JUN-2011 00:12:39	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48565	No
4	GOM_TRA_1PNPDE20110614_001917_000000453103_00275_48565_5339.N1	14-JUN-2011 00:19:17	Bright	45.000	126	60Bet Oph	2.7700	4250.0	90	48565	No
5	GOM_TRA_1PNPDE20110614_002148_000000443103_00275_48565_5340.N1	14-JUN-2011 00:21:48	Bright	44.000	59	55Alp Oph	2.0800	8900.0	88	48565	No
6	GOM_TRA_1PNPDE20110614_002343_000000383103_00275_48565_5341.N1	14-JUN-2011 00:23:43	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	48565	No
7	GOM_TRA_1PNPDE20110614_002646_000000393103_00275_48565_5342.N1	14-JUN-2011 00:26:46	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	48565	No
8	GOM_TRA_1PNPDE20110614_003337_000000393103_00275_48565_5343.N1	14-JUN-2011 00:33:37	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48565	No
9	GOM_TRA_1PNPDE20110614_003506_000000393103_00275_48565_5344.N1	14-JUN-2011 00:35:06	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48565	No
10	GOM_TRA_1PNPDE20110614_004402_000000493103_00275_48565_5345.N1	14-JUN-2011 00:44:02	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48565	No
11	GOM_TRA_1PNPDE20110614_005021_000000503103_00275_48565_5346.N1	14-JUN-2011 00:50:21	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	48565	No
12	GOM_TRA_1PNPDE20110614_005646_000000413103_00275_48565_5347.N1	14-JUN-2011 00:56:46	Bright	40.500	73	57Gam1And	2.2600	13100.	81	48565	No
13	GOM_TRA_1PNPDE20110614_005906_000000633103_00275_48565_5348.N1	14-JUN-2011 00:59:06	Twilight	63.000	53	43Bet And	2.0480	3300.0	126	48565	No
14	GOM_TRA_1PNPDE20110614_010233_000000503103_00275_48565_5349.N1	14-JUN-2011 01:02:33	Twilight	49.500	50	13Alp Ari	2.0070	4250.0	99	48565	No
15	GOM_TRA_1PNPDE20110614_011759_000000563103_00275_48565_5359.N1	14-JUN-2011 01:17:59	Dark	56.000	52	16Bet Cet	2.0370	4500.0	112	48565	No
16	GOM_TRA_1PNPDE20110614_012415_000000503103_00275_48565_5360.N1	14-JUN-2011 01:24:15	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	48565	No
17	GOM_TRA_1PNPDE20110614_013024_000000663103_00276_48566_5361.N1	14-JUN-2011 01:30:24	Dark	65.500	63	Bet Gru	2.1500	2800.0	131	48566	No
18	GOM_TRA_1PNPDE20110614_013226_000000483103_00276_48566_5362.N1	14-JUN-2011 01:32:26	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48566	No
19	GOM_TRA_1PNPDE20110614_013414_000000573103_00276_48566_5363.N1	14-JUN-2011 01:34:14	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	48566	No
20	GOM_TRA_1PNPDE20110614_013622_000000433103_00276_48566_5364.N1	14-JUN-2011 01:36:22	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48566	No
21	GOM_TRA_1PNPDE20110614_014617_000000453103_00276_48566_5365.N1	14-JUN-2011 01:46:17	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	48566	No
22	GOM_TRA_1PNPDE20110614_014800_000000603103_00276_48566_5366.N1	14-JUN-2011 01:48:00	Bright	59.500	57	34Sig Sgr	2.0660	26000.	119	48566	No
23	GOM_TRA_1PNPDE20110614_015253_000000403103_00276_48566_5367.N1	14-JUN-2011 01:52:53	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48566	No
24	GOM_TRA_1PNPDE20110614_015931_000000453103_00276_48566_5368.N1	14-JUN-2011 01:59:31	Bright	45.000	126	60Bet Oph	2.7700	4250.0	90	48566	No
25	GOM_TRA_1PNPDE20110614_020202_000000463103_00276_48566_5369.N1	14-JUN-2011 02:02:02	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	48566	No
26	GOM_TRA_1PNPDE20110614_020357_000000393103_00276_48566_5370.N1	14-JUN-2011 02:03:57	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48566	No
27	GOM_TRA_1PNPDE20110614_020700_000000403103_00276_48566_5371.N1	14-JUN-2011 02:07:00	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	48566	No
28	GOM_TRA_1PNPDE20110614_021350_000000393103_00276_48566_5372.N1	14-JUN-2011 02:13:50	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48566	No
29	GOM_TRA_1PNPDE20110614_021520_000000343103_00276_48566_5373.N1	14-JUN-2011 02:15:20	Bright	34.000	119	14Eta Dra	2.7270	4700.0	68	48566	No
30	GOM_TRA_1PNPDE20110614_022415_000000493103_00276_48566_5374.N1	14-JUN-2011 02:24:15	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48566	No
31	GOM_TRA_1PNPDE20110614_023034_000000533103_00276_48566_5375.N1	14-JUN-2011 02:30:34	Bright	52.500	74	11Bet Cas	2.2680	6600.0	105	48566	No
32	GOM_TRA_1PNPDE20110614_023700_000000403103_00276_48566_5376.N1	14-JUN-2011 02:37:00	Bright	40.000	73	57Gam1And	2.2600	13100.	80	48566	No
33	GOM_TRA_1PNPDE20110614_023920_000000523103_00276_48566_5377.N1	14-JUN-2011 02:39:20	Twilight	51.500	53	43Bet And	2.0480	3300.0	103	48566	No
34	GOM_TRA_1PNPDE20110614_024247_000000473103_00276_48566_5378.N1	14-JUN-2011 02:42:47	Twilight	46.500	50	13Alp Ari	2.0070	4250.0	93	48566	No
35	GOM_TRA_1PNPDE20110614_025814_000000553103_00276_48566_5379.N1	14-JUN-2011 02:58:14	Dark	54.500	52	16Bet Cet	2.0370	4500.0	109	48566	No
36	GOM_TRA_1PNPDE20110614_030430_000000493103_00276_48566_5380.N1	14-JUN-2011 03:04:30	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	48566	No
37	GOM_TRA_1PNPDE20110614_031039_000000543103_00277_48567_5381.N1	14-JUN-2011 03:10:39	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	48567	No
38	GOM_TRA_1PNPDE20110614_031241_000000483103_00277_48567_5382.N1	14-JUN-2011 03:12:41	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48567	No
39	GOM_TRA_1PNPDE20110614_031430_000000583103_00277_48567_5383.N1	14-JUN-2011 03:14:30	Straylight	58.000	172	Gam Gru	3.0030	13100.	116	48567	No
40	GOM_TRA_1PNPDE20110614_031636_000000463103_00277_48567_5384.N1	14-JUN-2011 03:16:36	Straylight	46.000	45	Alp Pav	1.9400	26000.	92	48567	No
41	GOM_TRA_1PNPDE20110614_032631_000000453103_00277_48567_5385.N1	14-JUN-2011 03:26:31	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	48567	No
42	GOM_TRA_1PNPDE20110614_032814_000000573103_00277_48567_5386.N1	14-JUN-2011 03:28:14	Bright	56.500	57	34Sig Sgr	2.0660	26000.	113	48567	No
43	GOM_TRA_1PNPDE20110614_033308_000000403103_00277_48567_5387.N1	14-JUN-2011 03:33:08	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48567	No
44	GOM_TRA_1PNPDE20110614_033944_000000473103_00277_48567_5388.N1	14-JUN-2011 03:39:44	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48567	No
45	GOM_TRA_1PNPDE20110614_034216_000000433103_00277_48567_5389.N1	14-JUN-2011 03:42:16	Bright	43.000	59	55Alp Oph	2.0800	8900.0	86	48567	No
46	GOM_TRA_1PNPDE20110614_034411_000000373103_00277_48567_5390.N1	14-JUN-2011 03:44:11	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	48567	No
47	GOM_TRA_1PNPDE20110614_034714_000000403103_00277_48567_5391.N1	14-JUN-2011 03:47:14	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	48567	No
48	GOM_TRA_1PNPDE20110614_035404_000000413103_00277_48567_5392.N1	14-JUN-2011 03:54:04	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48567	No
49	GOM_TRA_1PNPDE20110614_035533_000000373103_00277_48567_5393.N1	14-JUN-2011 03:55:33	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	48567	No
50	GOM_TRA_1PNPDE20110614_040429_000000463103_00277_48567_5397.N1	14-JUN-2011 04:04:29	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48567	No
51	GOM_TRA_1PNPDE20110614_041048_000000433103_00277_48567_5398.N1	14-JUN-2011 04:10:48	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	48567	No
52	GOM_TRA_1PNPDE20110614_041714_000000573103_00277_48567_5399.N1	14-JUN-2011 04:17:14	Bright	57.000	73	57Gam1And	2.2600	13100.	114	48567	No
53	GOM_TRA_1PNPDE20110614_041934_000000593103_00277_48567_5400.N1	14-JUN-2011 04:19:34	Twilight	58.500	53	43Bet And	2.0480	3300.0	117	48567	No

54	GOM_TRA_1PNPDE20110614_042301_000000483103_00277_48567_5401.N1	14-JUN-2011 04:23:01	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48567	No
55	GOM_TRA_1PNPDE20110614_043829_000000503103_00277_48567_5402.N1	14-JUN-2011 04:38:29	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	48567	No
56	GOM_TRA_1PNPDE20110614_044445_000000443103_00277_48567_5403.N1	14-JUN-2011 04:44:45	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	48567	No
57	GOM_TRA_1PNPDE20110614_045054_000000503103_00278_48568_5404.N1	14-JUN-2011 04:50:54	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	48568	No
58	GOM_TRA_1PNPDE20110614_045256_000000503103_00278_48568_5405.N1	14-JUN-2011 04:52:56	Dark	49.500	31	Alp Gru	1.7340	15200.	99	48568	No
59	GOM_TRA_1PNPDE20110614_045445_000000573103_00278_48568_5406.N1	14-JUN-2011 04:54:45	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	48568	No
60	GOM_TRA_1PNPDE20110614_045651_000000453103_00278_48568_5407.N1	14-JUN-2011 04:56:51	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	48568	No
61	GOM_TRA_1PNPDE20110614_050645_000000443103_00278_48568_5408.N1	14-JUN-2011 05:06:45	Tw_i_and_stray	43.500	25	35Lam Sco	1.6200	28000.	87	48568	No
62	GOM_TRA_1PNPDE20110614_050808_000000453103_00278_48568_5409.N1	14-JUN-2011 05:08:08	Tw_i_and_stray	45.000	167	10Gam2Sgr	2.9840	4500.0	90	48568	No
63	GOM_TRA_1PNPDE20110614_051322_000000403103_00278_48568_5410.N1	14-JUN-2011 05:13:22	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48568	No
64	GOM_TRA_1PNPDE20110614_051958_000000473103_00278_48568_5411.N1	14-JUN-2011 05:19:58	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48568	No
65	GOM_TRA_1PNPDE20110614_052230_000000443103_00278_48568_5412.N1	14-JUN-2011 05:22:30	Bright	43.500	59	55Alp Oph	2.0800	8900.0	87	48568	No
66	GOM_TRA_1PNPDE20110614_052425_000000453103_00278_48568_5413.N1	14-JUN-2011 05:24:25	Bright	44.500	127	27Bet Her	2.7810	4700.0	89	48568	No
67	GOM_TRA_1PNPDE20110614_052728_000000403103_00278_48568_5414.N1	14-JUN-2011 05:27:28	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	48568	No
68	GOM_TRA_1PNPDE20110614_053417_000000393103_00278_48568_5415.N1	14-JUN-2011 05:34:17	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48568	No
69	GOM_TRA_1PNPDE20110614_053547_000000383103_00278_48568_5416.N1	14-JUN-2011 05:35:47	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	48568	No
70	GOM_TRA_1PNPDE20110614_054442_000000483103_00278_48568_5417.N1	14-JUN-2011 05:44:42	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48568	No
71	GOM_TRA_1PNPDE20110614_055102_000000463103_00278_48568_5414.N1	14-JUN-2011 05:51:02	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	48568	No
72	GOM_TRA_1PNPDE20110614_055728_000000413103_00278_48568_5415.N1	14-JUN-2011 05:57:28	Bright	40.500	73	57Gam1And	2.2600	13100.	81	48568	No
73	GOM_TRA_1PNPDE20110614_055948_000000543103_00278_48568_5416.N1	14-JUN-2011 05:59:48	Tw_i_and_stray	54.000	53	43Bet And	2.0480	3300.0	108	48568	No
74	GOM_TRA_1PNPDE20110614_060315_000000483103_00278_48568_5417.N1	14-JUN-2011 06:03:15	Twilight	47.500	50	13Alp Ari	2.0070	4250.0	95	48568	No
75	GOM_TRA_1PNPDE20110614_061844_000000553103_00278_48568_5418.N1	14-JUN-2011 06:18:44	Dark	54.500	52	16Bet Cet	2.0370	4500.0	109	48568	No
76	GOM_TRA_1PNPDE20110614_062459_000000543103_00278_48568_5419.N1	14-JUN-2011 06:24:59	Dark	53.500	84	Alp Phe	2.3970	4500.0	107	48568	No
77	GOM_TRA_1PNPDE20110614_063109_000000623103_00279_48569_5420.N1	14-JUN-2011 06:31:09	Dark	61.500	63	Bet Gru	2.1500	2800.0	123	48569	No
78	GOM_TRA_1PNPDE20110614_063311_000000493103_00279_48569_5421.N1	14-JUN-2011 06:33:11	Dark	49.000	31	Alp Gru	1.7340	15200.	98	48569	No
79	GOM_TRA_1PNPDE20110614_063500_000000563103_00279_48569_5422.N1	14-JUN-2011 06:35:00	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	48569	No
80	GOM_TRA_1PNPDE20110614_063706_000000433103_00279_48569_5423.N1	14-JUN-2011 06:37:06	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48569	No
81	GOM_TRA_1PNPDE20110614_064700_000000433103_00279_48569_5424.N1	14-JUN-2011 06:47:00	Tw_i_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	48569	No
82	GOM_TRA_1PNPDE20110614_064822_000000503103_00279_48569_5425.N1	14-JUN-2011 06:48:22	Tw_i_and_stray	49.500	167	10Gam2Sgr	2.9840	4500.0	99	48569	No
83	GOM_TRA_1PNPDE20110614_065336_000000413103_00279_48569_5426.N1	14-JUN-2011 06:53:36	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48569	No
84	GOM_TRA_1PNPDE20110614_070012_000000473103_00279_48569_5427.N1	14-JUN-2011 07:00:12	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48569	No
85	GOM_TRA_1PNPDE20110614_070243_000000463103_00279_48569_5428.N1	14-JUN-2011 07:02:43	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	48569	No
86	GOM_TRA_1PNPDE20110614_070439_000000393103_00279_48569_5429.N1	14-JUN-2011 07:04:39	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	48569	No
87	GOM_TRA_1PNPDE20110614_070742_000000393103_00279_48569_5430.N1	14-JUN-2011 07:07:42	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	48569	No
88	GOM_TRA_1PNPDE20110614_071431_000000423103_00279_48569_5431.N1	14-JUN-2011 07:14:31	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48569	No
89	GOM_TRA_1PNPDE20110614_071601_000000423103_00279_48569_5432.N1	14-JUN-2011 07:16:01	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	48569	No
90	GOM_TRA_1PNPDE20110614_072455_000000473103_00279_48569_5433.N1	14-JUN-2011 07:24:55	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48569	No
91	GOM_TRA_1PNPDK20110614_073116_000000453103_00279_48569_4328.N1	14-JUN-2011 07:31:16	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	48569	No
92	GOM_TRA_1PNPDK20110614_073742_000000413103_00279_48569_4329.N1	14-JUN-2011 07:37:42	Bright	40.500	73	57Gam1And	2.2600	13100.	81	48569	No
93	GOM_TRA_1PNPDK20110614_074002_000000583103_00279_48569_4330.N1	14-JUN-2011 07:40:02	Tw_i_and_stray	57.500	53	43Bet And	2.0480	3300.0	115	48569	No
94	GOM_TRA_1PNPDK20110614_074330_000000483103_00279_48569_4331.N1	14-JUN-2011 07:43:30	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48569	No
95	GOM_TRA_1PNPDK20110614_075859_000000553103_00279_48569_4332.N1	14-JUN-2011 07:58:59	Dark	54.500	52	16Bet Cet	2.0370	4500.0	109	48569	No
96	GOM_TRA_1PNPDK20110614_080514_000000473103_00279_48569_4333.N1	14-JUN-2011 08:05:14	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48569	No
97	GOM_TRA_1PNPDK20110614_081124_000000483103_00280_48570_4334.N1	14-JUN-2011 08:11:24	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	48570	No
98	GOM_TRA_1PNPDK20110614_081326_000000473103_00280_48570_4335.N1	14-JUN-2011 08:13:26	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48570	No
99	GOM_TRA_1PNPDK20110614_081516_000000563103_00280_48570_4336.N1	14-JUN-2011 08:15:16	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	48570	No
100	GOM_TRA_1PNPDK20110614_081720_000000433103_00280_48570_4337.N1	14-JUN-2011 08:17:20	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48570	No
101	GOM_TRA_1PNPDK20110614_082714_000000433103_00280_48570_4338.N1	14-JUN-2011 08:27:14	Tw_i_and_stray	42.500	25	35Lam Sco	1.6200	28000.	85	48570	No
102	GOM_TRA_1PNPDK20110614_082837_000000483103_00280_48570_4339.N1	14-JUN-2011 08:28:37	Tw_i_and_stray	47.500	167	10Gam2Sgr	2.9840	4500.0	95	48570	No
103	GOM_TRA_1PNPDK20110614_083350_000000373103_00280_48570_4340.N1	14-JUN-2011 08:33:50	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	48570	No
104	GOM_TRA_1PNPDK20110614_084026_000000443103_00280_48570_4380.N1	14-JUN-2011 08:40:26	Bright	44.000	126	60Bet Oph	2.7700	4250.0	88	48570	No
105	GOM_TRA_1PNPDK20110614_084257_000000433103_00280_48570_4381.N1	14-JUN-2011 08:42:57	Bright	42.500	59	55Alp Oph	2.0800	8900.0	85	48570	No
106	GOM_TRA_1PNPDK20110614_084453_000000393103_00280_48570_4382.N1	14-JUN-2011 08:44:53	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48570	No
107	GOM_TRA_1PNPDK20110614_084755_000000393103_00280_48570_4383.N1	14-JUN-2011 08:47:55	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	48570	No
108	GOM_TRA_1PNPDK20110614_085445_000000423103_00280_48570_4384.N1	14-JUN-2011 08:54:45	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48570	No
109	GOM_TRA_1PNPDK20110614_085615_000000383103_00280_48570_4385.N1	14-JUN-2011 08:56:15	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	48570	No
110	GOM_TRA_1PNPDK20110614_090509_000000483103_00280_48570_4386.N1	14-JUN-2011 09:05:09	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48570	No
111	GOM_TRA_1PNPDK20110614_091129_000000453103_00280_48570_4387.N1	14-JUN-2011 09:11:29	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	48570	No
112	GOM_TRA_1PNPDK20110614_091251_000000453103_00280_48570_4388.N1	14-JUN-2011 09:12:51	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	48570	No



113	GOM_TRA_1PNPDK20110614_091756_000000413103_00280_48570_4389.N1	14-JUN-2011 09:17:56	Bright	40.500	73	57Gam1And	2.2600	13100.	81	48570	No
114	GOM_TRA_1PNPDK20110614_092016_000000623103_00280_48570_4390.N1	14-JUN-2011 09:20:16	Twilight	61.500	53	43Bet And	2.0480	3300.0	123	48570	No
115	GOM_TRA_1PNPDK20110614_092344_000000483103_00280_48570_4391.N1	14-JUN-2011 09:23:44	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48570	No
116	GOM_TRA_1PNPDK20110614_093914_000000553103_00280_48570_4392.N1	14-JUN-2011 09:39:14	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	48570	No
117	GOM_TRA_1PNPDK20110614_094529_000000493103_00280_48570_4393.N1	14-JUN-2011 09:45:29	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	48570	No
118	GOM_TRA_1PNPDK20110614_095139_000000553103_00281_48571_4394.N1	14-JUN-2011 09:51:39	Dark	55.000	63	Bet Gru	2.1500	2800.0	110	48571	No
119	GOM_TRA_1PNPDK20110614_095341_000000583103_00281_48571_4395.N1	14-JUN-2011 09:53:41	Dark	58.000	31	Alp Gru	1.7340	15200.	116	48571	No
120	GOM_TRA_1PNPDK20110614_095531_000000563103_00281_48571_4396.N1	14-JUN-2011 09:55:31	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	48571	No
121	GOM_TRA_1PNPDK20110614_095735_000000463103_00281_48571_4397.N1	14-JUN-2011 09:57:35	Straylight	45.500	45	Alp Pav	1.9400	26000.	91	48571	No
122	GOM_TRA_1PNPDK20110614_100728_000000443103_00281_48571_4398.N1	14-JUN-2011 10:07:28	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	48571	No
123	GOM_TRA_1PNPDK20110614_100851_000000483103_00281_48571_4399.N1	14-JUN-2011 10:08:51	Twilight	48.000	167	10Gam2Sgr	2.9840	4500.0	96	48571	No
124	GOM_TRA_1PNPDK20110614_101404_000000403103_00281_48571_4400.N1	14-JUN-2011 10:14:04	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	48571	No
125	GOM_TRA_1PNPDK20110614_102039_000000433103_00281_48571_4545.N1	14-JUN-2011 10:20:39	Bright	43.000	126	60Bet Oph	2.7700	4250.0	86	48571	No
126	GOM_TRA_1PNPDK20110614_102311_000000433103_00281_48571_4546.N1	14-JUN-2011 10:23:11	Bright	42.500	59	55Alp Oph	2.0800	8900.0	85	48571	No
127	GOM_TRA_1PNPDK20110614_102507_000000373103_00281_48571_4547.N1	14-JUN-2011 10:25:07	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	48571	No
128	GOM_TRA_1PNPDK20110614_102809_000000403103_00281_48571_4548.N1	14-JUN-2011 10:28:09	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	48571	No
129	GOM_TRA_1PNPDK20110614_103458_000000423103_00281_48571_4549.N1	14-JUN-2011 10:34:58	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	48571	No
130	GOM_TRA_1PNPDK20110614_103629_000000393103_00281_48571_4550.N1	14-JUN-2011 10:36:29	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48571	No
131	GOM_TRA_1PNPDK20110614_104522_000000453103_00281_48571_4551.N1	14-JUN-2011 10:45:22	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48571	No
132	GOM_TRA_1PNPDK20110614_105143_000000593103_00281_48571_4552.N1	14-JUN-2011 10:51:43	Bright	59.000	74	11Bet Cas	2.2680	6600.0	118	48571	No
133	GOM_TRA_1PNPDK20110614_105305_000000583103_00281_48571_4553.N1	14-JUN-2011 10:53:05	Bright	57.500	68	18Alp Cas	2.2250	4500.0	115	48571	No
134	GOM_TRA_1PNPDK20110614_105810_000000393103_00281_48571_4554.N1	14-JUN-2011 10:58:10	Bright	38.500	73	57Gam1And	2.2600	13100.	77	48571	No
135	GOM_TRA_1PNPDK20110614_110030_000000593103_00281_48571_4555.N1	14-JUN-2011 11:00:30	Twilight	58.500	53	43Bet And	2.0480	3300.0	117	48571	No
136	GOM_TRA_1PNPDK20110614_110358_000000473103_00281_48571_4556.N1	14-JUN-2011 11:03:58	Twilight	47.000	50	13Alp Ari	2.0070	4250.0	94	48571	No
137	GOM_TRA_1PNPDK20110614_111929_000000563103_00281_48571_4557.N1	14-JUN-2011 11:19:29	Dark	56.000	52	16Bet Cet	2.0370	4500.0	112	48571	No
138	GOM_TRA_1PNPDK20110614_112544_000000533103_00281_48571_4558.N1	14-JUN-2011 11:25:44	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	48571	No
139	GOM_TRA_1PNPDK20110614_113153_000000563103_00282_48572_4559.N1	14-JUN-2011 11:31:53	Dark	55.500	63	Bet Gru	2.1500	2800.0	111	48572	No
140	GOM_TRA_1PNPDK20110614_113356_000000483103_00282_48572_4560.N1	14-JUN-2011 11:33:56	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48572	No
141	GOM_TRA_1PNPDK20110614_113547_000000553103_00282_48572_4561.N1	14-JUN-2011 11:35:47	Straylight	55.000	172	Gam Gru	3.0030	13100.	110	48572	No
142	GOM_TRA_1PNPDK20110614_113749_000000523103_00282_48572_4562.N1	14-JUN-2011 11:37:49	Straylight	51.500	45	Alp Pav	1.9400	26000.	103	48572	No
143	GOM_TRA_1PNPDK20110614_114743_000000423103_00282_48572_4563.N1	14-JUN-2011 11:47:43	Twilight	42.000	25	35Lam Sco	1.6200	28000.	84	48572	No
144	GOM_TRA_1PNPDK20110614_114905_000000483103_00282_48572_4564.N1	14-JUN-2011 11:49:05	Twilight	47.500	167	10Gam2Sgr	2.9840	4500.0	95	48572	No
145	GOM_TRA_1PNPDK20110614_115418_000000403103_00282_48572_4565.N1	14-JUN-2011 11:54:18	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48572	No
146	GOM_TRA_1PNPDK20110614_120053_000000443103_00282_48572_4613.N1	14-JUN-2011 12:00:53	Bright	43.500	126	60Bet Oph	2.7700	4250.0	87	48572	No
147	GOM_TRA_1PNPDK20110614_120324_000000443103_00282_48572_4614.N1	14-JUN-2011 12:03:24	Bright	43.500	59	55Alp Oph	2.0800	8900.0	87	48572	No
148	GOM_TRA_1PNPDK20110614_120521_000000373103_00282_48572_4615.N1	14-JUN-2011 12:05:21	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	48572	No
149	GOM_TRA_1PNPDK20110614_120823_000000393103_00282_48572_4616.N1	14-JUN-2011 12:08:23	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	48572	No
150	GOM_TRA_1PNPDK20110614_121512_000000423103_00282_48572_4617.N1	14-JUN-2011 12:15:12	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48572	No
151	GOM_TRA_1PNPDK20110614_121643_000000393103_00282_48572_4618.N1	14-JUN-2011 12:16:43	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48572	No
152	GOM_TRA_1PNPDK20110614_123157_000000443103_00282_48572_4619.N1	14-JUN-2011 12:31:57	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	48572	No
153	GOM_TRA_1PNPDK20110614_123318_000000453103_00282_48572_4620.N1	14-JUN-2011 12:33:18	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	48572	No
154	GOM_TRA_1PNPDK20110614_123824_000000403103_00282_48572_4621.N1	14-JUN-2011 12:38:24	Bright	40.000	73	57Gam1And	2.2600	13100.	80	48572	No
155	GOM_TRA_1PNPDK20110614_124044_000000543103_00282_48572_4622.N1	14-JUN-2011 12:40:44	Twilight	54.000	53	43Bet And	2.0480	3300.0	108	48572	No
156	GOM_TRA_1PNPDK20110614_124412_000000483103_00282_48572_4623.N1	14-JUN-2011 12:44:12	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48572	No
157	GOM_TRA_1PNPDK20110614_125944_000000563103_00282_48572_4624.N1	14-JUN-2011 12:59:44	Dark	55.500	52	16Bet Cet	2.0370	4500.0	111	48572	No
158	GOM_TRA_1PNPDK20110614_130558_000000443103_00282_48572_4625.N1	14-JUN-2011 13:05:58	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	48572	No
159	GOM_TRA_1PNPDK20110614_131208_000000513103_00283_48573_4626.N1	14-JUN-2011 13:12:08	Dark	50.500	63	Bet Gru	2.1500	2800.0	101	48573	No
160	GOM_TRA_1PNPDK20110614_131411_000000503103_00283_48573_4627.N1	14-JUN-2011 13:14:11	Dark	50.000	31	Alp Gru	1.7340	15200.	100	48573	No
161	GOM_TRA_1PNPDK20110614_131602_000000553103_00283_48573_4628.N1	14-JUN-2011 13:16:02	Straylight	55.000	172	Gam Gru	3.0030	13100.	110	48573	No
162	GOM_TRA_1PNPDK20110614_131804_000000433103_00283_48573_4629.N1	14-JUN-2011 13:18:04	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48573	No
163	GOM_TRA_1PNPDK20110614_132802_000000403103_00283_48573_4630.N1	14-JUN-2011 13:28:02	Twilight	40.000	25	35Lam Sco	1.6200	28000.	80	48573	No
164	GOM_TRA_1PNPDK20110614_132919_000000463103_00283_48573_4631.N1	14-JUN-2011 13:29:19	Twilight	46.000	167	10Gam2Sgr	2.9840	4500.0	92	48573	No
165	GOM_TRA_1PNPDK20110614_133432_000000413103_00283_48573_4647.N1	14-JUN-2011 13:34:32	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48573	No
166	GOM_TRA_1PNPDK20110614_134106_000000443103_00283_48573_4648.N1	14-JUN-2011 13:41:06	Bright	44.000	126	60Bet Oph	2.7700	4250.0	88	48573	No
167	GOM_TRA_1PNPDK20110614_134338_000000443103_00283_48573_4649.N1	14-JUN-2011 13:43:38	Bright	43.500	59	55Alp Oph	2.0800	8900.0	87	48573	No
168	GOM_TRA_1PNPDK20110614_134534_000000393103_00283_48573_4650.N1	14-JUN-2011 13:45:34	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	48573	No
169	GOM_TRA_1PNPDK20110614_134837_000000383103_00283_48573_4651.N1	14-JUN-2011 13:48:37	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	48573	No
170	GOM_TRA_1PNPDK20110614_135525_000000413103_00283_48573_4652.N1	14-JUN-2011 13:55:25	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48573	No
171	GOM_TRA_1PNPDK20110614_135656_000000383103_00283_48573_4653.N1	14-JUN-2011 13:56:56	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	48573	No

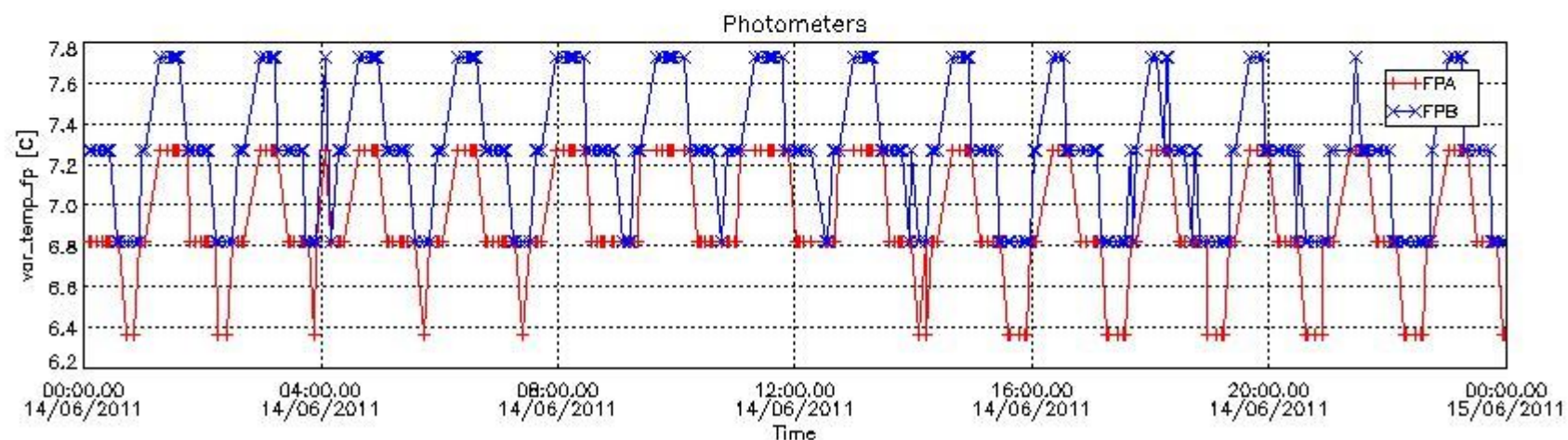
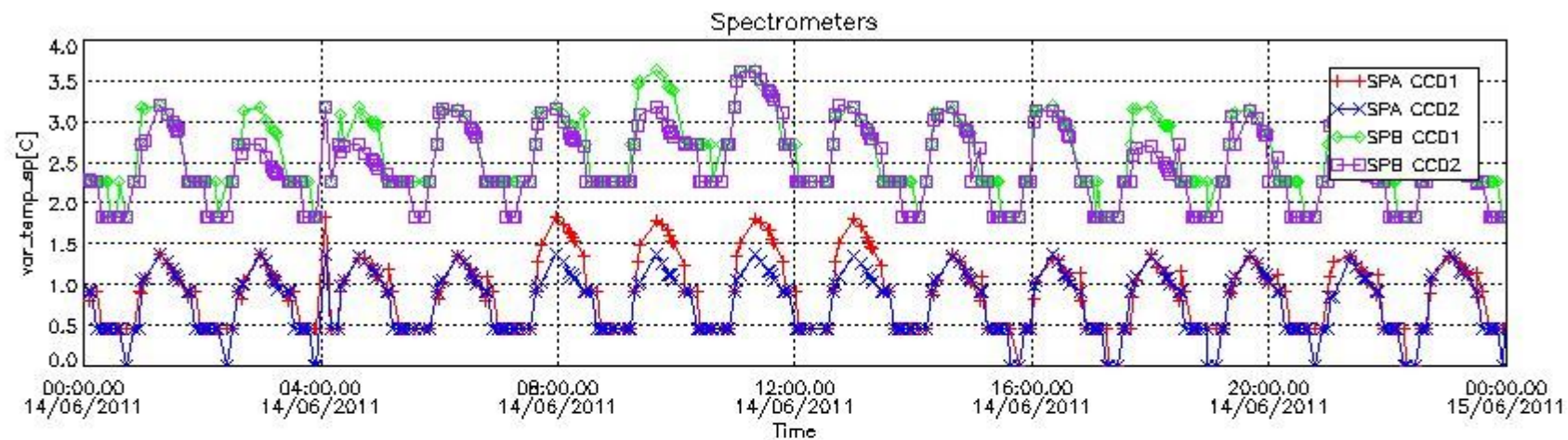
172	GOM_TRA_1PNPDK20110614_140548_000000493103_00283_48573_4654.N1	14-JUN-2011 14:05:48	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	48573	No
173	GOM_TRA_1PNPDK20110614_141210_000000493103_00283_48573_4655.N1	14-JUN-2011 14:12:10	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	48573	No
174	GOM_TRA_1PNPDK20110614_141332_000000413103_00283_48573_4656.N1	14-JUN-2011 14:13:32	Bright	40.500	68	18Alp Cas	2.2250	4500.0	81	48573	No
175	GOM_TRA_1PNPDK20110614_141838_000000403103_00283_48573_4657.N1	14-JUN-2011 14:18:38	Bright	40.000	73	57Gam1And	2.2600	13100.	80	48573	No
176	GOM_TRA_1PNPDK20110614_142058_000000533103_00283_48573_4658.N1	14-JUN-2011 14:20:58	Twilight	52.500	53	43Bet And	2.0480	3300.0	105	48573	No
177	GOM_TRA_1PNPDK20110614_142427_000000463103_00283_48573_4659.N1	14-JUN-2011 14:24:27	Twilight	45.500	50	13Alp Ari	2.0070	4250.0	91	48573	No
178	GOM_TRA_1PNPDK20110614_143959_000000553103_00283_48573_4660.N1	14-JUN-2011 14:39:59	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	48573	No
179	GOM_TRA_1PNPDK20110614_144613_000000443103_00283_48573_4661.N1	14-JUN-2011 14:46:13	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	48573	No
180	GOM_TRA_1PNPDK20110614_145223_000000533103_00284_48574_4662.N1	14-JUN-2011 14:52:23	Dark	52.500	63	Bet Gru	2.1500	2800.0	105	48574	No
181	GOM_TRA_1PNPDK20110614_145426_000000493103_00284_48574_4663.N1	14-JUN-2011 14:54:26	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48574	No
182	GOM_TRA_1PNPDK20110614_145617_000000543103_00284_48574_4664.N1	14-JUN-2011 14:56:17	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	48574	No
183	GOM_TRA_1PNPDK20110614_145819_000000403103_00284_48574_4665.N1	14-JUN-2011 14:58:19	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	48574	No
184	GOM_TRA_1PNPDK20110614_150757_000000503103_00284_48574_4666.N1	14-JUN-2011 15:07:57	Twilight	49.500	38	20Eps Sgr	1.8360	11000.	99	48574	No
185	GOM_TRA_1PNPDK20110614_150927_000000503103_00284_48574_4667.N1	14-JUN-2011 15:09:27	Twilight	50.000	116	19Del Sgr	2.7000	4100.0	100	48574	No
186	GOM_TRA_1PNPDK20110614_151447_000000403103_00284_48574_4679.N1	14-JUN-2011 15:14:47	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48574	No
187	GOM_TRA_1PNPDK20110614_152120_000000443103_00284_48574_4680.N1	14-JUN-2011 15:21:20	Bright	44.000	126	60Bet Oph	2.7700	4250.0	88	48574	No
188	GOM_TRA_1PNPDK20110614_152351_000000433103_00284_48574_4681.N1	14-JUN-2011 15:23:51	Bright	43.000	59	55Alp Oph	2.0800	8900.0	86	48574	No
189	GOM_TRA_1PNPDK20110614_152548_000000383103_00284_48574_4682.N1	14-JUN-2011 15:25:48	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	48574	No
190	GOM_TRA_1PNPDK20110614_152851_000000403103_00284_48574_4683.N1	14-JUN-2011 15:28:51	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	48574	No
191	GOM_TRA_1PNPDK20110614_153539_000000413103_00284_48574_4684.N1	14-JUN-2011 15:35:39	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48574	No
192	GOM_TRA_1PNPDK20110614_153710_000000373103_00284_48574_4685.N1	14-JUN-2011 15:37:10	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	48574	No
193	GOM_TRA_1PNPDK20110614_154602_000000473103_00284_48574_4686.N1	14-JUN-2011 15:46:02	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48574	No
194	GOM_TRA_1PNPDK20110614_155224_000000643103_00284_48574_4687.N1	14-JUN-2011 15:52:24	Bright	64.000	74	11Bet Cas	2.2680	6600.0	128	48574	No
195	GOM_TRA_1PNPDK20110614_155346_000000453103_00284_48574_4688.N1	14-JUN-2011 15:53:46	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	48574	No
196	GOM_TRA_1PNPDK20110614_155853_000000573103_00284_48574_4689.N1	14-JUN-2011 15:58:53	Bright	57.000	73	57Gam1And	2.2600	13100.	114	48574	No
197	GOM_TRA_1PNPDK20110614_160112_000000603103_00284_48574_4690.N1	14-JUN-2011 16:01:12	Twilight	60.000	53	43Bet And	2.0480	3300.0	120	48574	No
198	GOM_TRA_1PNPDK20110614_160441_000000503103_00284_48574_4691.N1	14-JUN-2011 16:04:41	Twilight	49.500	50	13Alp Ari	2.0070	4250.0	99	48574	No
199	GOM_TRA_1PNPDK20110614_162014_000000583103_00284_48574_4692.N1	14-JUN-2011 16:20:14	Dark	58.000	52	16Bet Cet	2.0370	4500.0	116	48574	No
200	GOM_TRA_1PNPDK20110614_162628_000000493103_00284_48574_4693.N1	14-JUN-2011 16:26:28	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48574	No
201	GOM_TRA_1PNPDK20110614_163238_000000543103_00285_48575_4694.N1	14-JUN-2011 16:32:38	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	48575	No
202	GOM_TRA_1PNPDK20110614_163441_000000473103_00285_48575_4695.N1	14-JUN-2011 16:34:41	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48575	No
203	GOM_TRA_1PNPDK20110614_163632_000000543103_00285_48575_4696.N1	14-JUN-2011 16:36:32	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	48575	No
204	GOM_TRA_1PNPDK20110614_163833_000000423103_00285_48575_4697.N1	14-JUN-2011 16:38:33	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48575	No
205	GOM_TRA_1PNPDK20110614_164812_000000493103_00285_48575_4698.N1	14-JUN-2011 16:48:12	Twilight	49.000	38	20Eps Sgr	1.8360	11000.	98	48575	No
206	GOM_TRA_1PNPDK20110614_164941_000000523103_00285_48575_4697.N1	14-JUN-2011 16:49:41	Twilight	52.000	116	19Del Sgr	2.7000	4100.0	104	48575	No
207	GOM_TRA_1PNPDK20110614_165500_000000393103_00285_48575_4698.N1	14-JUN-2011 16:55:00	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	48575	No
208	GOM_TRA_1PNPDK20110614_170134_000000443103_00285_48575_4699.N1	14-JUN-2011 17:01:34	Bright	44.000	126	60Bet Oph	2.7700	4250.0	88	48575	No
209	GOM_TRA_1PNPDK20110614_170405_000000463103_00285_48575_4700.N1	14-JUN-2011 17:04:05	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	48575	No
210	GOM_TRA_1PNPDK20110614_170602_000000373103_00285_48575_4701.N1	14-JUN-2011 17:06:02	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	48575	No
211	GOM_TRA_1PNPDK20110614_170904_000000383103_00285_48575_4702.N1	14-JUN-2011 17:09:04	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	48575	No
212	GOM_TRA_1PNPDK20110614_171552_000000423103_00285_48575_4703.N1	14-JUN-2011 17:15:52	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	48575	No
213	GOM_TRA_1PNPDK20110614_171724_000000383103_00285_48575_4704.N1	14-JUN-2011 17:17:24	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	48575	No
214	GOM_TRA_1PNPDK20110614_172615_000000483103_00285_48575_4705.N1	14-JUN-2011 17:26:15	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48575	No
215	GOM_TRA_1PNPDK20110614_173237_000000593103_00285_48575_4706.N1	14-JUN-2011 17:32:37	Bright	58.500	74	11Bet Cas	2.2680	6600.0	117	48575	No
216	GOM_TRA_1PNPDK20110614_173400_000000633103_00285_48575_4707.N1	14-JUN-2011 17:34:00	Bright	63.000	68	18Alp Cas	2.2250	4500.0	126	48575	No
217	GOM_TRA_1PNPDK20110614_173907_000000413103_00285_48575_4708.N1	14-JUN-2011 17:39:07	Bright	40.500	73	57Gam1And	2.2600	13100.	81	48575	No
218	GOM_TRA_1PNPDK20110614_174126_000000563103_00285_48575_4709.N1	14-JUN-2011 17:41:26	Twilight	55.500	53	43Bet And	2.0480	3300.0	111	48575	No
219	GOM_TRA_1PNPDK20110614_174455_000000483103_00285_48575_4710.N1	14-JUN-2011 17:44:55	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48575	No
220	GOM_TRA_1PNPDK20110614_180029_000000573103_00285_48575_4711.N1	14-JUN-2011 18:00:29	Dark	56.500	52	16Bet Cet	2.0370	4500.0	113	48575	No
221	GOM_TRA_1PNPDK20110614_180643_000000543103_00285_48575_4712.N1	14-JUN-2011 18:06:43	Dark	53.500	84	Alp Phe	2.3970	4500.0	107	48575	No
222	GOM_TRA_1PNPDK20110614_181253_000000553103_00286_48576_4713.N1	14-JUN-2011 18:12:53	Dark	54.500	63	Bet Gru	2.1500	2800.0	109	48576	No
223	GOM_TRA_1PNPDK20110614_181456_000000513103_00286_48576_4714.N1	14-JUN-2011 18:14:56	Dark	50.500	31	Alp Gru	1.7340	15200.	101	48576	No
224	GOM_TRA_1PNPDK20110614_181648_000000533103_00286_48576_4715.N1	14-JUN-2011 18:16:48	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	48576	No
225	GOM_TRA_1PNPDK20110614_181848_000000413103_00286_48576_4716.N1	14-JUN-2011 18:18:48	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48576	No
226	GOM_TRA_1PNPDK20110614_182826_000000503103_00286_48576_4737.N1	14-JUN-2011 18:28:26	Twilight	49.500	38	20Eps Sgr	1.8360	11000.	99	48576	No
227	GOM_TRA_1PNPDK20110614_182956_000000553103_00286_48576_4738.N1	14-JUN-2011 18:29:56	Twilight	54.500	116	19Del Sgr	2.7000	4100.0	109	48576	No
228	GOM_TRA_1PNPDK20110614_183515_000000403103_00286_48576_4739.N1	14-JUN-2011 18:35:15	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48576	No
229	GOM_TRA_1PNPDK20110614_184148_000000443103_00286_48576_4740.N1	14-JUN-2011 18:41:48	Bright	44.000	126	60Bet Oph	2.7700	4250.0	88	48576	No
230	GOM_TRA_1PNPDK20110614_184419_000000453103_00286_48576_4741.N1	14-JUN-2011 18:44:19	Bright	45.000	59	55Alp Oph	2.0800	8900.0	90	48576	No

231	GOM_TRA_1PNPDK20110614_184616_000000393103_00286_48576_4742.N1	14-JUN-2011 18:46:16	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48576	No
232	GOM_TRA_1PNPDK20110614_184918_000000383103_00286_48576_4743.N1	14-JUN-2011 18:49:18	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	48576	No
233	GOM_TRA_1PNPDK20110614_185606_000000413103_00286_48576_4744.N1	14-JUN-2011 18:56:06	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	48576	No
234	GOM_TRA_1PNPDK20110614_185738_000000373103_00286_48576_4745.N1	14-JUN-2011 18:57:38	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	48576	No
235	GOM_TRA_1PNPDK20110614_190628_000000483103_00286_48576_4746.N1	14-JUN-2011 19:06:28	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48576	No
236	GOM_TRA_1PNPDK20110614_191251_000000503103_00286_48576_4747.N1	14-JUN-2011 19:12:51	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	48576	No
237	GOM_TRA_1PNPDK20110614_191414_000000503103_00286_48576_4748.N1	14-JUN-2011 19:14:14	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	48576	No
238	GOM_TRA_1PNPDK20110614_191920_000000413103_00286_48576_4749.N1	14-JUN-2011 19:19:20	Bright	41.000	73	57Gam1And	2.2600	13100.	82	48576	No
239	GOM_TRA_1PNPDK20110614_192140_000000623103_00286_48576_4750.N1	14-JUN-2011 19:21:40	Twilight	62.000	53	43Bet And	2.0480	3300.0	124	48576	No
240	GOM_TRA_1PNPDK20110614_192509_000000553103_00286_48576_4751.N1	14-JUN-2011 19:25:09	Twilight	54.500	50	13Alp Ari	2.0070	4250.0	109	48576	No
241	GOM_TRA_1PNPDK20110614_194044_000000563103_00286_48576_4752.N1	14-JUN-2011 19:40:44	Dark	55.500	52	16Bet Cet	2.0370	4500.0	111	48576	No
242	GOM_TRA_1PNPDK20110614_194658_000000493103_00286_48576_4753.N1	14-JUN-2011 19:46:58	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	48576	No
243	GOM_TRA_1PNPDK20110614_195308_000000643103_00287_48577_4754.N1	14-JUN-2011 19:53:08	Dark	63.500	63	Bet Gru	2.1500	2800.0	127	48577	No
244	GOM_TRA_1PNPDK20110614_195511_000000543103_00287_48577_4755.N1	14-JUN-2011 19:55:11	Dark	53.500	31	Alp Gru	1.7340	15200.	107	48577	No
245	GOM_TRA_1PNPDK20110614_195703_000000533103_00287_48577_4756.N1	14-JUN-2011 19:57:03	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	48577	No
246	GOM_TRA_1PNPDK20110614_195902_000000433103_00287_48577_4757.N1	14-JUN-2011 19:59:02	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48577	No
247	GOM_TRA_1PNPDE20110614_200840_000000483103_00287_48577_5510.N1	14-JUN-2011 20:08:40	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	48577	No
248	GOM_TRA_1PNPDE20110614_201010_000000513103_00287_48577_5511.N1	14-JUN-2011 20:10:10	Twilight	51.000	116	19Del Sgr	2.7000	4100.0	102	48577	No
249	GOM_TRA_1PNPDE20110614_201529_000000403103_00287_48577_5512.N1	14-JUN-2011 20:15:29	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	48577	No
250	GOM_TRA_1PNPDE20110614_202202_000000443103_00287_48577_5513.N1	14-JUN-2011 20:22:02	Bright	44.000	126	60Bet Oph	2.7700	4250.0	88	48577	No
251	GOM_TRA_1PNPDE20110614_202432_000000443103_00287_48577_5514.N1	14-JUN-2011 20:24:32	Bright	43.500	59	55Alp Oph	2.0800	8900.0	87	48577	No
252	GOM_TRA_1PNPDE20110614_202630_000000383103_00287_48577_5515.N1	14-JUN-2011 20:26:30	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	48577	No
253	GOM_TRA_1PNPDE20110614_202932_000000563103_00287_48577_5516.N1	14-JUN-2011 20:29:32	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	48577	No
254	GOM_TRA_1PNPDE20110614_203620_000000413103_00287_48577_5517.N1	14-JUN-2011 20:36:20	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48577	No
255	GOM_TRA_1PNPDE20110614_203752_000000393103_00287_48577_5518.N1	14-JUN-2011 20:37:52	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	48577	No
256	GOM_TRA_1PNPDE20110614_204641_000000473103_00287_48577_5519.N1	14-JUN-2011 20:46:41	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48577	No
257	GOM_TRA_1PNPDE20110614_205305_000000533103_00287_48577_5520.N1	14-JUN-2011 20:53:05	Bright	53.000	74	11Bet Cas	2.2680	6600.0	106	48577	No
258	GOM_TRA_1PNPDE20110614_205427_000000413103_00287_48577_5521.N1	14-JUN-2011 20:54:27	Bright	41.000	68	18Alp Cas	2.2250	4500.0	82	48577	No
259	GOM_TRA_1PNPDE20110614_205935_000000573103_00287_48577_5522.N1	14-JUN-2011 20:59:35	Bright	56.500	73	57Gam1And	2.2600	13100.	113	48577	No
260	GOM_TRA_1PNPDE20110614_210154_000000533103_00287_48577_5523.N1	14-JUN-2011 21:01:54	Twilight	53.000	53	43Bet And	2.0480	3300.0	106	48577	No
261	GOM_TRA_1PNPDE20110614_210523_000000463103_00287_48577_5524.N1	14-JUN-2011 21:05:23	Twilight	45.500	50	13Alp Ari	2.0070	4250.0	91	48577	No
262	GOM_TRA_1PNPDE20110614_212059_000000553103_00287_48577_5528.N1	14-JUN-2011 21:20:59	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	48577	No
263	GOM_TRA_1PNPDE20110614_212712_000000443103_00287_48577_5529.N1	14-JUN-2011 21:27:12	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	48577	No
264	GOM_TRA_1PNPDE20110614_213323_000000533103_00288_48578_5530.N1	14-JUN-2011 21:33:23	Dark	53.000	63	Bet Gru	2.1500	2800.0	106	48578	No
265	GOM_TRA_1PNPDE20110614_213526_000000523103_00288_48578_5531.N1	14-JUN-2011 21:35:26	Dark	51.500	31	Alp Gru	1.7340	15200.	103	48578	No
266	GOM_TRA_1PNPDE20110614_213718_000000533103_00288_48578_5532.N1	14-JUN-2011 21:37:18	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	48578	No
267	GOM_TRA_1PNPDE20110614_213917_000000433103_00288_48578_5533.N1	14-JUN-2011 21:39:17	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48578	No
268	GOM_TRA_1PNPDE20110614_214855_000000493103_00288_48578_5534.N1	14-JUN-2011 21:48:55	Twilight	49.000	38	20Eps Sgr	1.8360	11000.	98	48578	No
269	GOM_TRA_1PNPDE20110614_215025_000000513103_00288_48578_5535.N1	14-JUN-2011 21:50:25	Twilight	51.000	116	19Del Sgr	2.7000	4100.0	102	48578	No
270	GOM_TRA_1PNPDE20110614_215543_000000403103_00288_48578_5536.N1	14-JUN-2011 21:55:43	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48578	No
271	GOM_TRA_1PNPDE20110614_220215_000000443103_00288_48578_5537.N1	14-JUN-2011 22:02:15	Bright	44.000	126	60Bet Oph	2.7700	4250.0	88	48578	No
272	GOM_TRA_1PNPDE20110614_220446_000000463103_00288_48578_5538.N1	14-JUN-2011 22:04:46	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	48578	No
273	GOM_TRA_1PNPDE20110614_220644_000000393103_00288_48578_5539.N1	14-JUN-2011 22:06:44	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48578	No
274	GOM_TRA_1PNPDE20110614_220946_000000383103_00288_48578_5540.N1	14-JUN-2011 22:09:46	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	48578	No
275	GOM_TRA_1PNPDE20110614_221633_000000413103_00288_48578_5541.N1	14-JUN-2011 22:16:33	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48578	No
276	GOM_TRA_1PNPDE20110614_221806_000000473103_00288_48578_5542.N1	14-JUN-2011 22:18:06	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	48578	No
277	GOM_TRA_1PNPDE20110614_222655_000000463103_00288_48578_5543.N1	14-JUN-2011 22:26:55	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48578	No
278	GOM_TRA_1PNPDE20110614_223318_000000553103_00288_48578_5544.N1	14-JUN-2011 22:33:18	Bright	54.500	74	11Bet Cas	2.2680	6600.0	109	48578	No
279	GOM_TRA_1PNPDE20110614_223441_000000423103_00288_48578_5545.N1	14-JUN-2011 22:34:41	Bright	41.500	68	18Alp Cas	2.2250	4500.0	83	48578	No
280	GOM_TRA_1PNPDE20110614_223949_000000413103_00288_48578_5546.N1	14-JUN-2011 22:39:49	Bright	40.500	73	57Gam1And	2.2600	13100.	81	48578	No
281	GOM_TRA_1PNPDE20110614_224208_000000583103_00288_48578_5547.N1	14-JUN-2011 22:42:08	Twilight	58.000	53	43Bet And	2.0480	3300.0	116	48578	No
282	GOM_TRA_1PNPDE20110614_224537_000000463103_00288_48578_5548.N1	14-JUN-2011 22:45:37	Twilight	46.000	50	13Alp Ari	2.0070	4250.0	92	48578	No
283	GOM_TRA_1PNPDE20110614_230114_000000603103_00288_48578_5556.N1	14-JUN-2011 23:01:14	Dark	59.500	52	16Bet Cet	2.0370	4500.0	119	48578	No
284	GOM_TRA_1PNPDE20110614_230727_000000433103_00288_48578_5557.N1	14-JUN-2011 23:07:27	Dark	42.500	84	Alp Phe	2.3970	4500.0	85	48578	No
285	GOM_TRA_1PNPDE20110614_231338_000000633103_00289_48579_5558.N1	14-JUN-2011 23:13:38	Dark	63.000	63	Bet Gru	2.1500	2800.0	126	48579	No
286	GOM_TRA_1PNPDE20110614_231541_000000493103_00289_48579_5559.N1	14-JUN-2011 23:15:41	Dark	49.000	31	Alp Gru	1.7340	15200.	98	48579	No
287	GOM_TRA_1PNPDE20110614_231734_000000533103_00289_48579_5560.N1	14-JUN-2011 23:17:34	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	48579	No
288	GOM_TRA_1PNPDE20110614_231931_000000403103_00289_48579_5561.N1	14-JUN-2011 23:19:31	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	48579	No
289	GOM_TRA_1PNPDE20110614_232909_000000493103_00289_48579_5562.N1	14-JUN-2011 23:29:09	Twilight	48.500	38	20Eps Sgr	1.8360	11000.	97	48579	No



290	GOM_TRA_1PNPDE20110614_233039_000000513103_00289_48579_5563.N1	14-JUN-2011 23:30:39	Twilight_stray	50.500	116	19Del Sgr	2.7000	4100.0	101	48579	No
291	GOM_TRA_1PNPDE20110614_233557_000000403103_00289_48579_5564.N1	14-JUN-2011 23:35:57	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	48579	No
292	GOM_TRA_1PNPDE20110614_234229_000000463103_00289_48579_5565.N1	14-JUN-2011 23:42:29	Bright	46.000	126	60Bet Oph	2.7700	4250.0	92	48579	No
293	GOM_TRA_1PNPDE20110614_234500_000000433103_00289_48579_5566.N1	14-JUN-2011 23:45:00	Bright	42.500	59	55Alp Oph	2.0800	8900.0	85	48579	No
294	GOM_TRA_1PNPDE20110614_234658_000000393103_00289_48579_5567.N1	14-JUN-2011 23:46:58	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48579	No
295	GOM_TRA_1PNPDE20110614_234959_000000393103_00289_48579_5568.N1	14-JUN-2011 23:49:59	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	48579	No
296	GOM_TRA_1PNPDE20110614_235647_000000383103_00289_48579_5569.N1	14-JUN-2011 23:56:47	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	48579	No
297	GOM_TRA_1PNPDE20110614_235819_000000393103_00289_48579_5570.N1	14-JUN-2011 23:58:19	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48579	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.

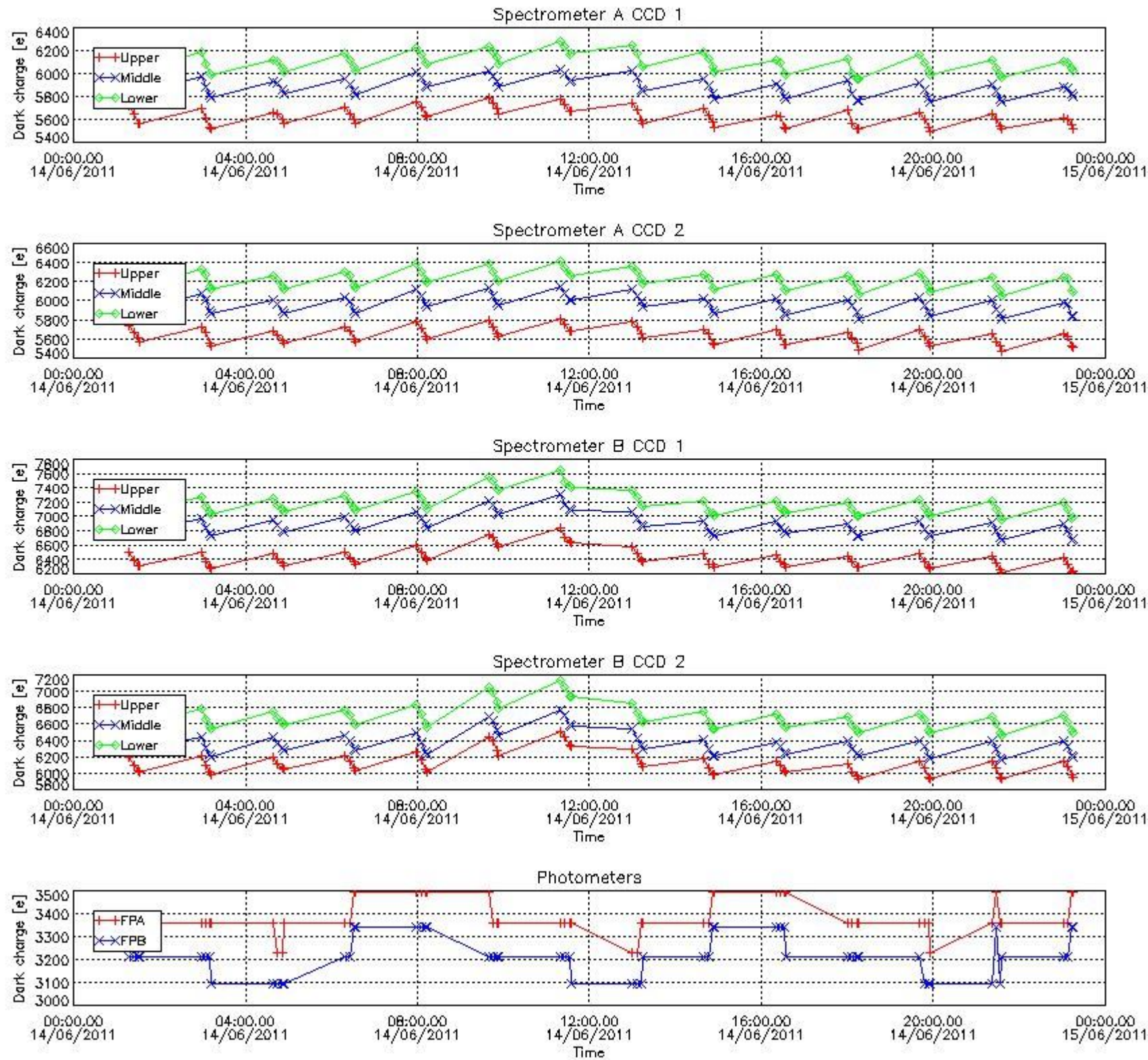
#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20110614_200840_000000483103_00287_48577_5510.N1	DC map used
GOM_TRA_1PNPDE20110614_201010_000000513103_00287_48577_5511.N1	DC map used



GOM_TRA_1PNPDE20110614_201529_000000403103_00287_48577_5512.N1	DC map used
GOM_TRA_1PNPDE20110614_202202_000000443103_00287_48577_5513.N1	DC map used
GOM_TRA_1PNPDE20110614_202432_000000443103_00287_48577_5514.N1	DC map used
GOM_TRA_1PNPDE20110614_202630_000000383103_00287_48577_5515.N1	DC map used
GOM_TRA_1PNPDE20110614_202932_000000563103_00287_48577_5516.N1	DC map used
GOM_TRA_1PNPDE20110614_203620_000000413103_00287_48577_5517.N1	DC map used
GOM_TRA_1PNPDE20110614_203752_000000393103_00287_48577_5518.N1	DC map used
GOM_TRA_1PNPDE20110614_204641_000000473103_00287_48577_5519.N1	DC map used
GOM_TRA_1PNPDE20110614_205305_000000533103_00287_48577_5520.N1	DC map used
GOM_TRA_1PNPDE20110614_205427_000000413103_00287_48577_5521.N1	DC map used
GOM_TRA_1PNPDE20110614_205935_000000573103_00287_48577_5522.N1	DC map used
GOM_TRA_1PNPDE20110614_210154_000000533103_00287_48577_5523.N1	DC map used
GOM_TRA_1PNPDE20110614_210523_000000463103_00287_48577_5524.N1	DC map used

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



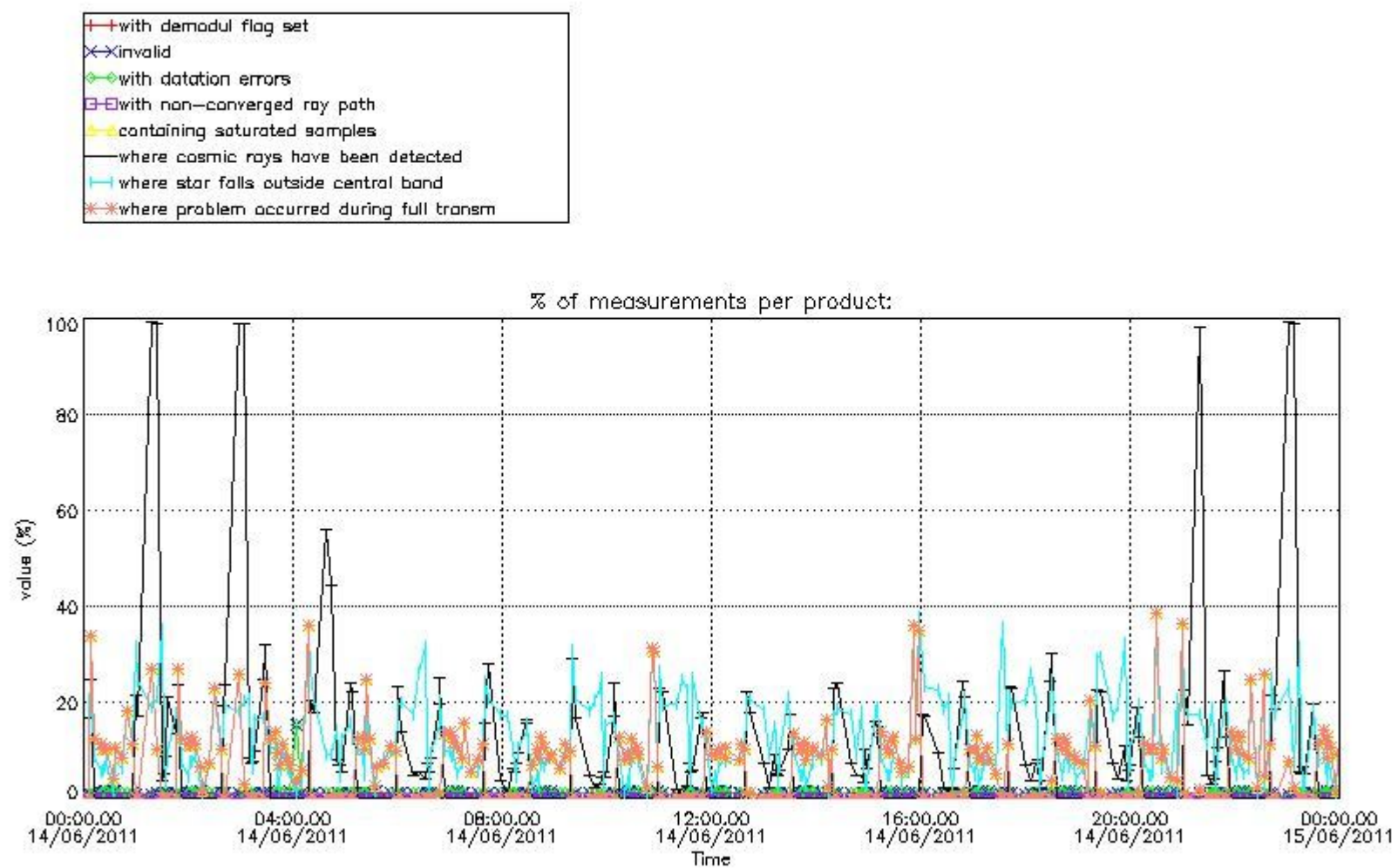
## 5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

### 5.1 Percentage of products during reporting period with:

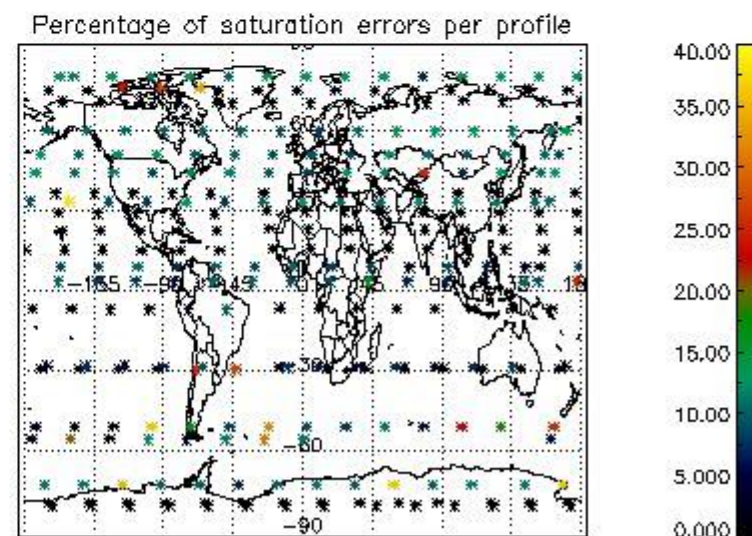
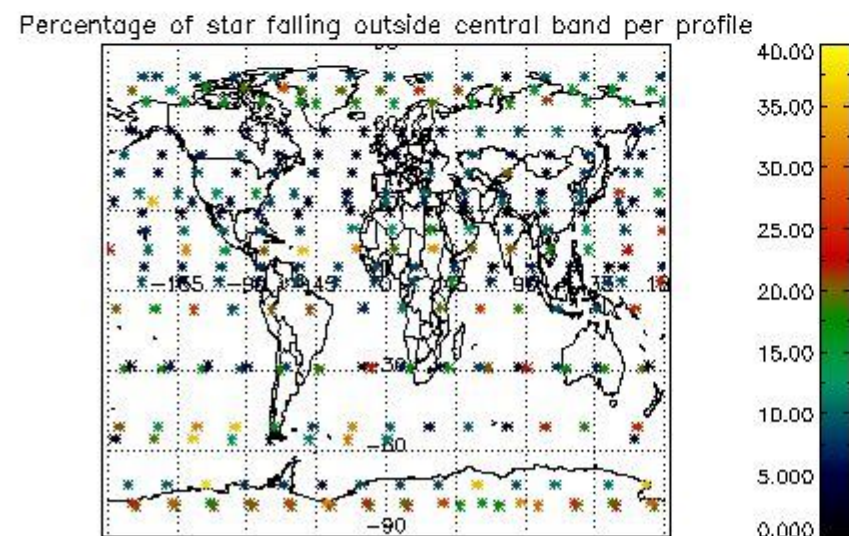
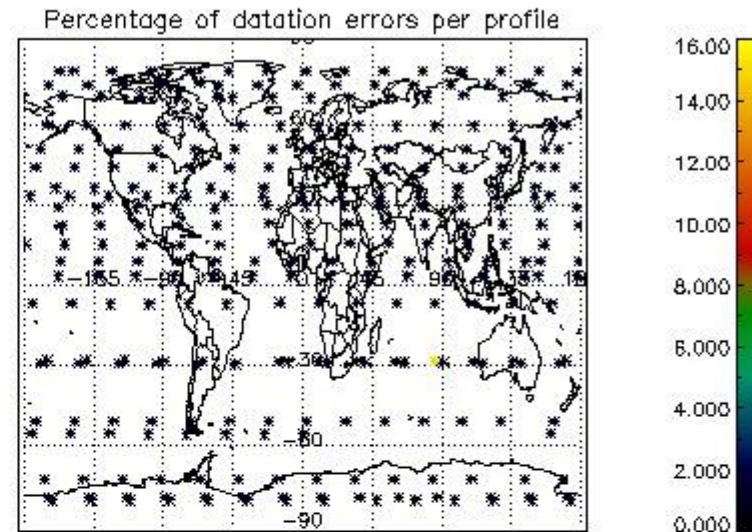
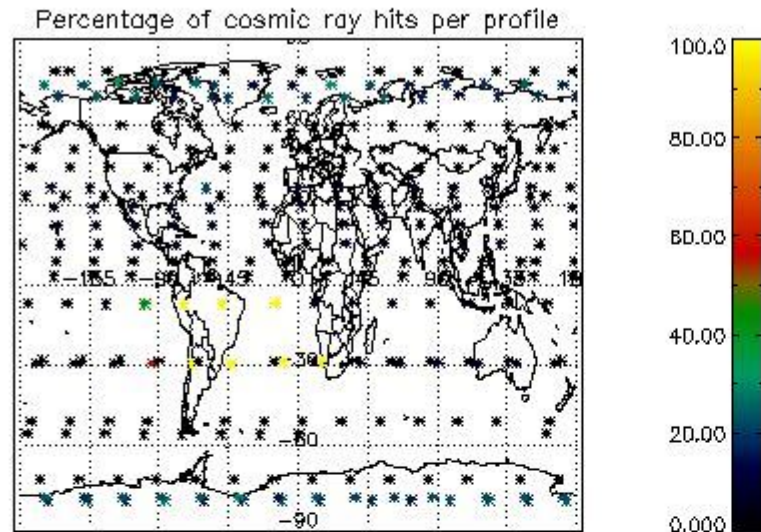
At least one measurement with demodulation flag set:	44.7811 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	53.1987 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





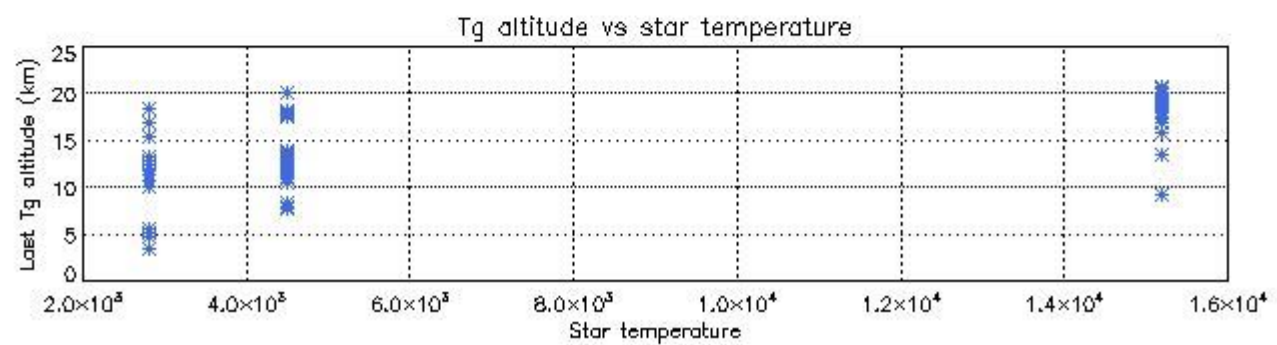
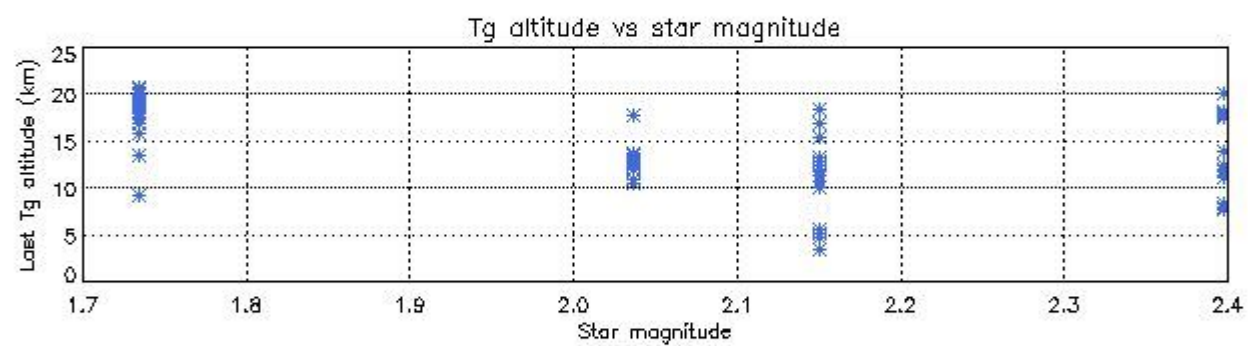
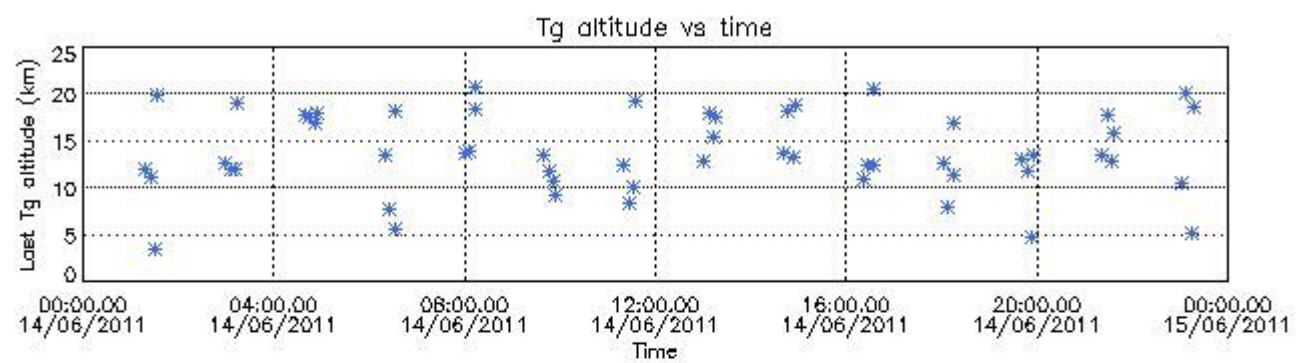
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.713	19.224	10.969
St. deviation:	4.2527	4.6808	1.6860
Maximum:	20.660	28.602	13.014
Minimum:	3.4781	3.5008	6.4253
Number of data:	56.000	158.00	14.000

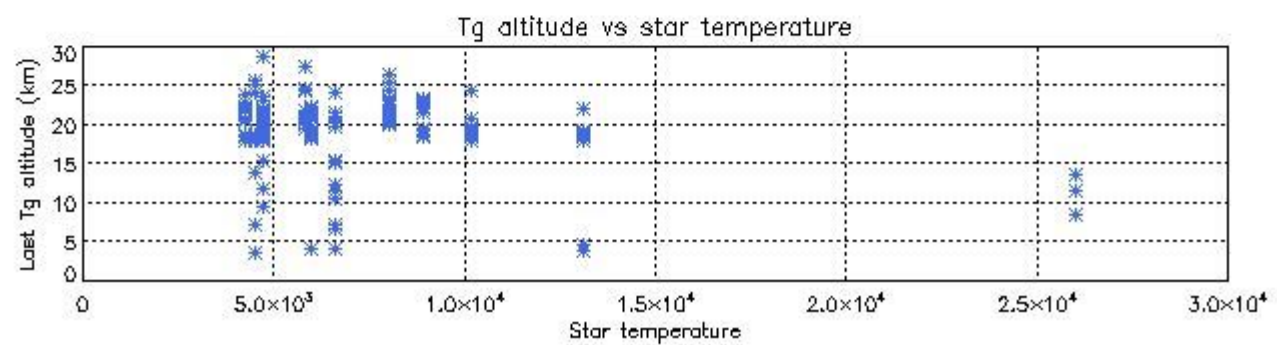
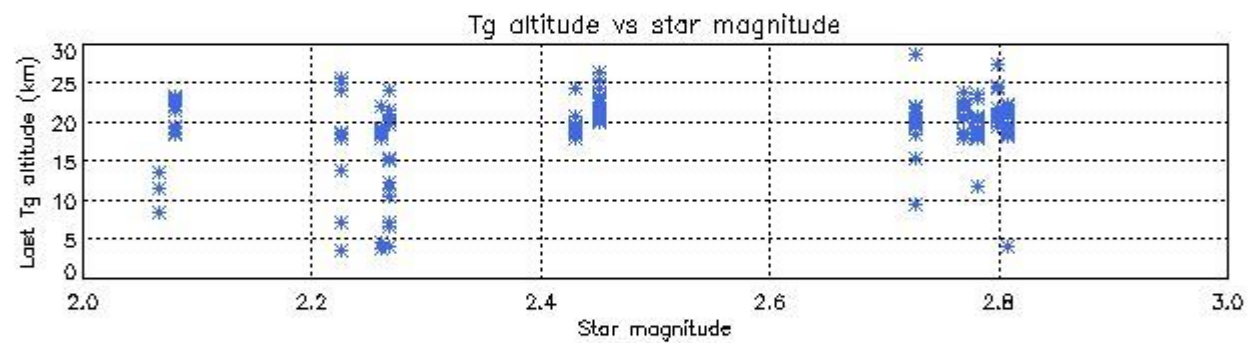
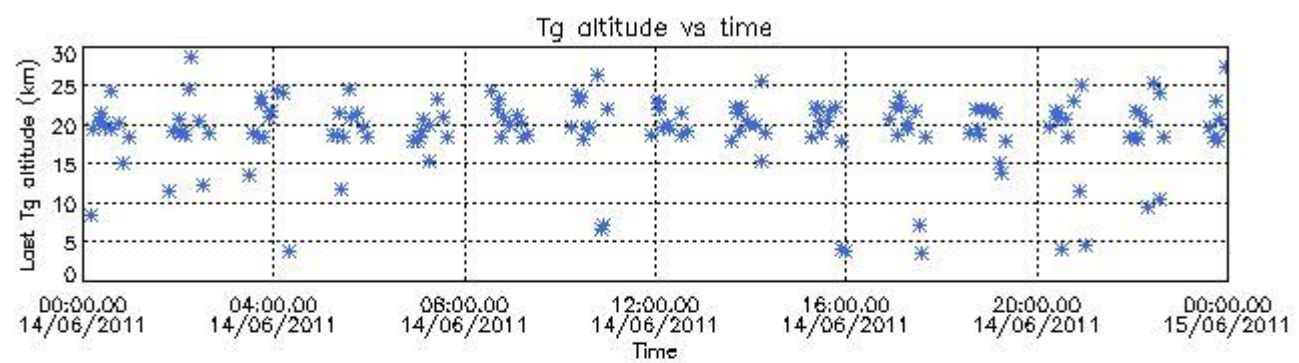
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



*6.3 Plot for BRIGHT limb products*

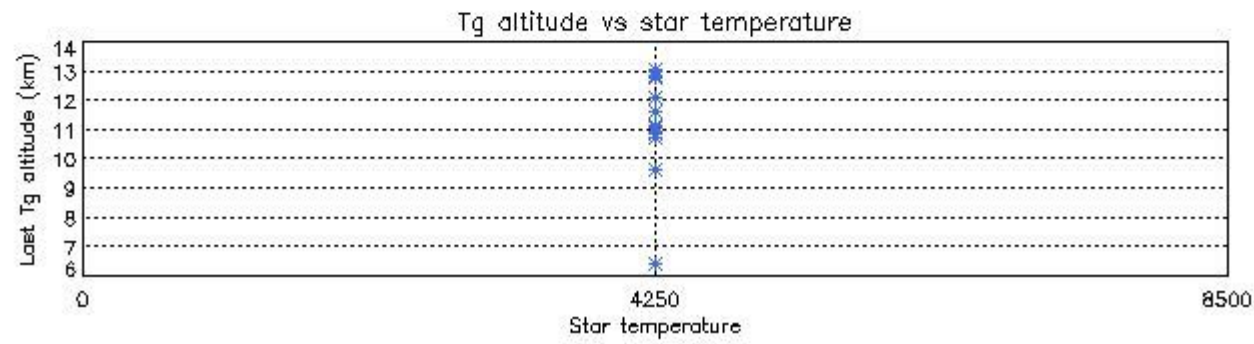
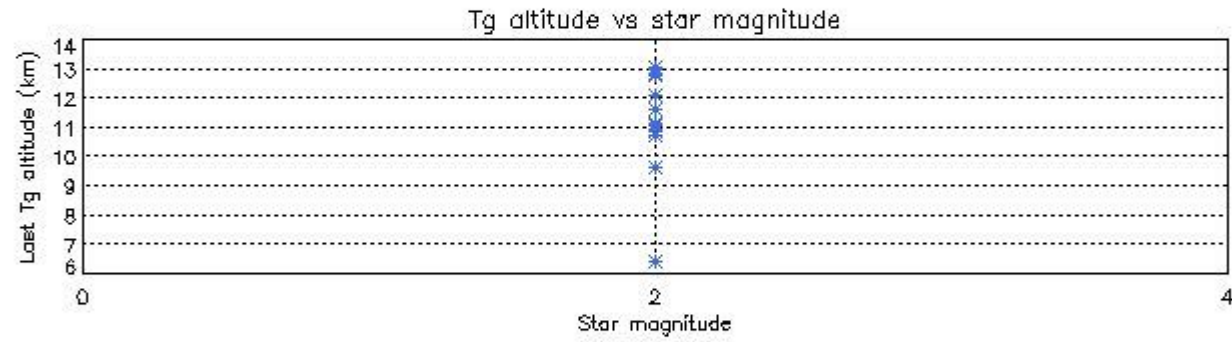
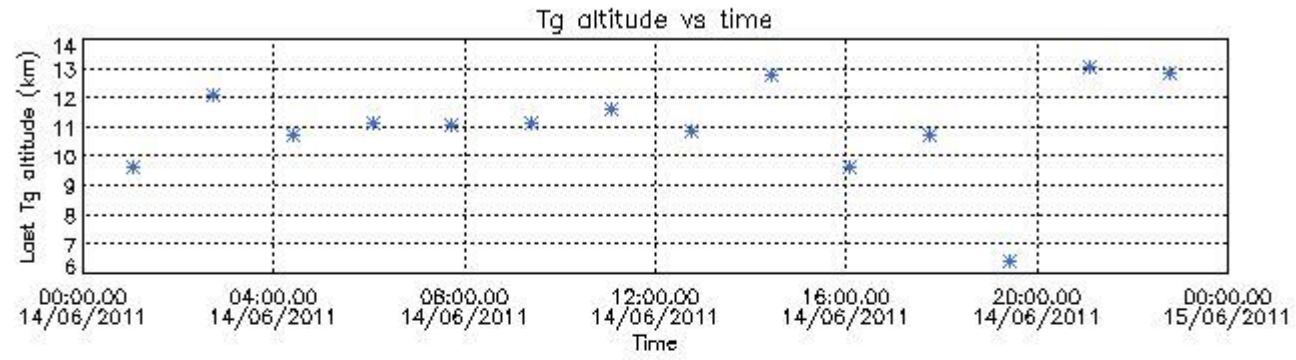
Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products



## Tangent altitude at which the star is lost

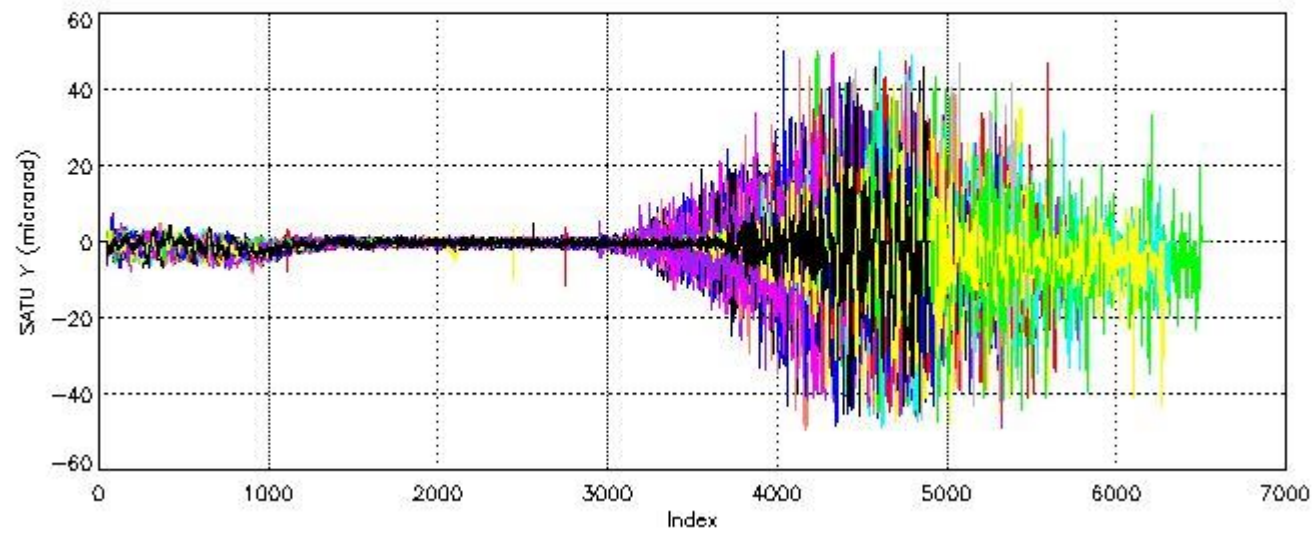
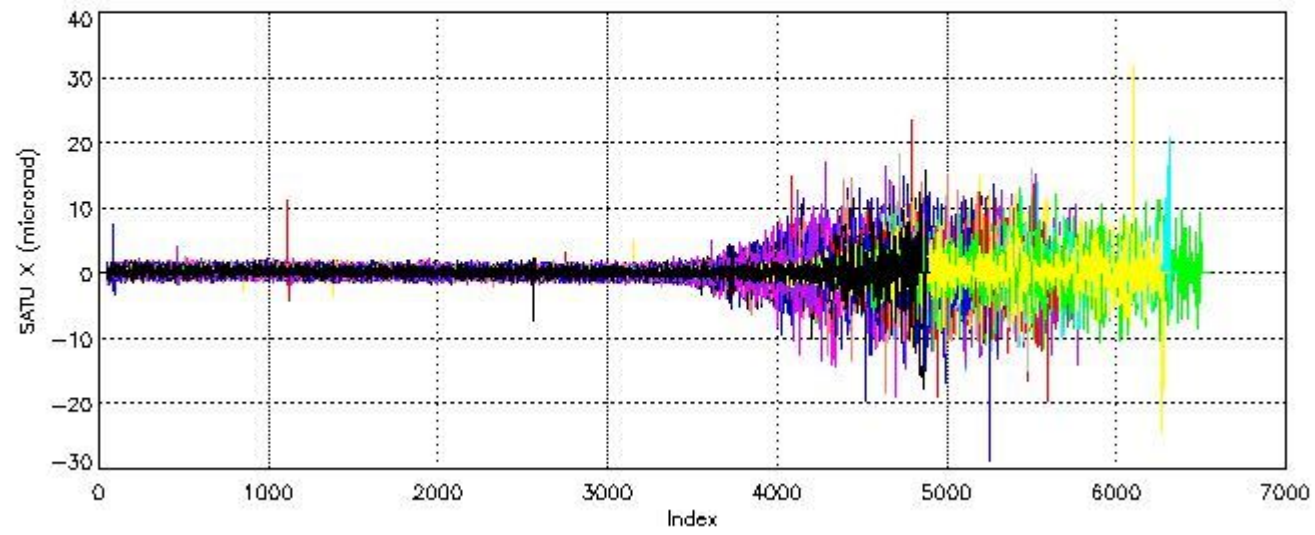


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.26542	-1.3201	0.23119	-1.3612
St. deviation:	0.35555	1.5126	0.73370	1.6047
Maximum:	11.200	7.5000	9.9000	17.500
Minimum:	-4.2000	-8.2000	-23.500	-11.200

Number of data:	62250.	62250.	1.5670E+05	1.5670E+05
90Percentile:	0.70000	0.50000	1.2000	0.50000

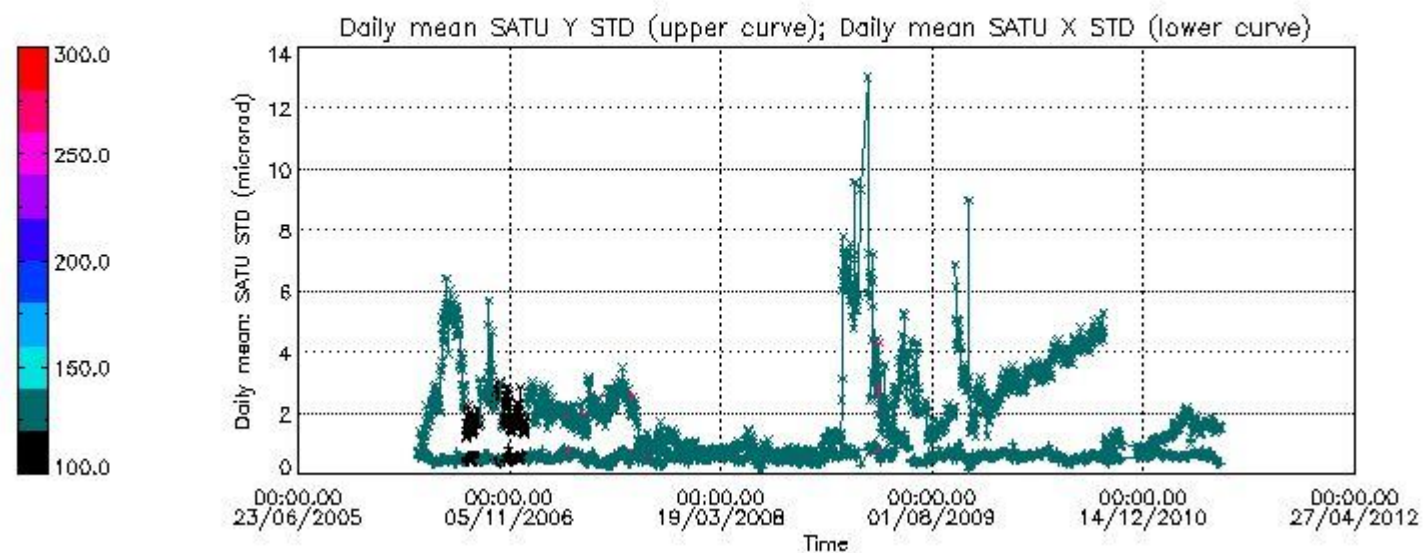
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

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

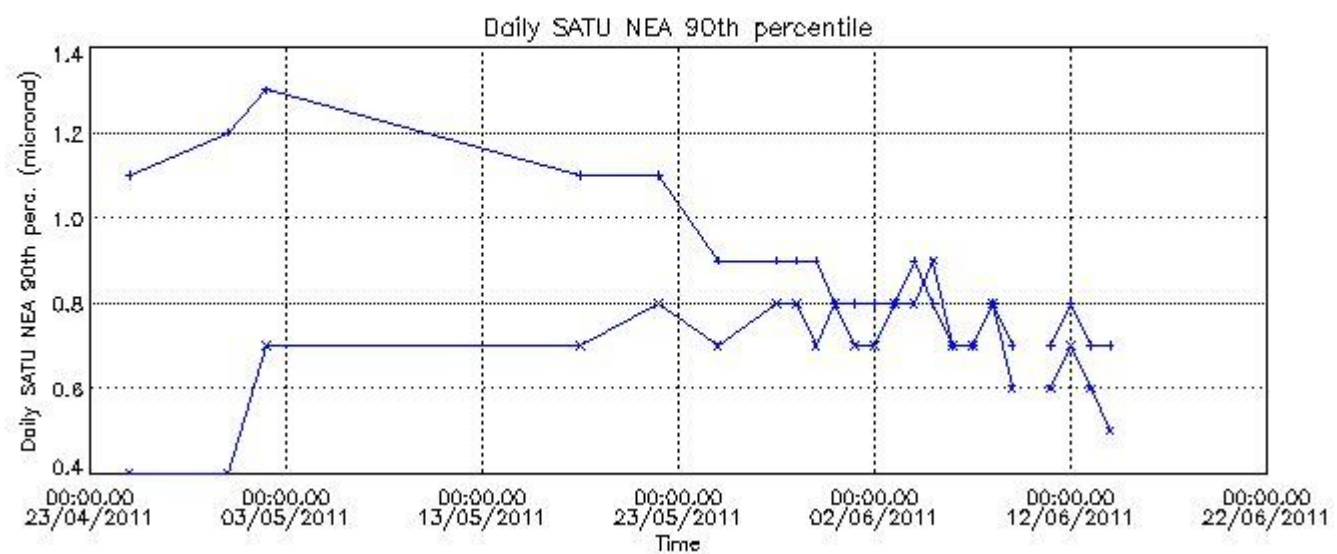
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

Upper curve: 90th percentile of SATU X axis

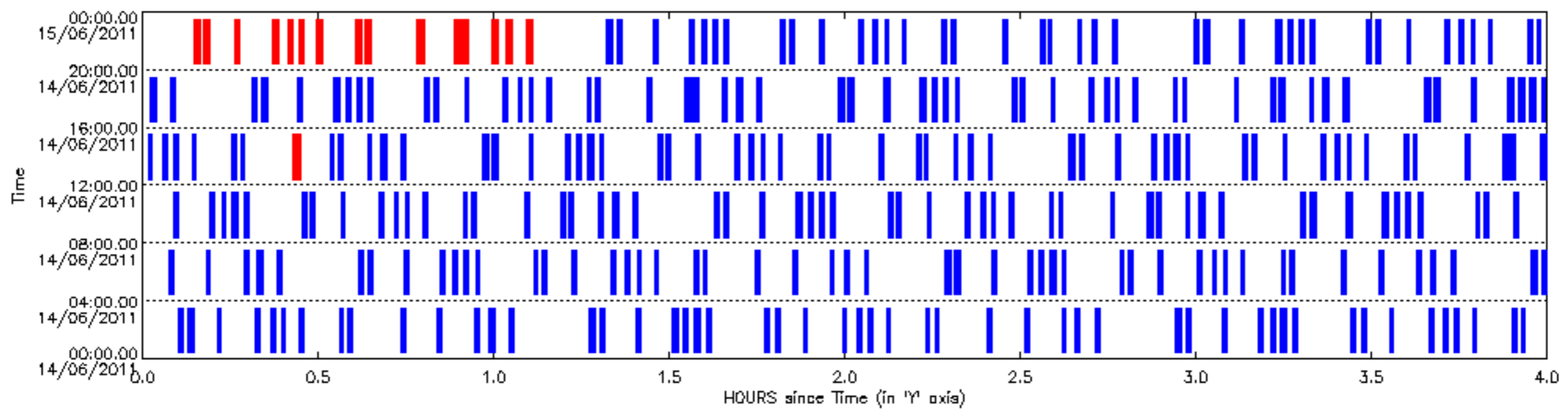


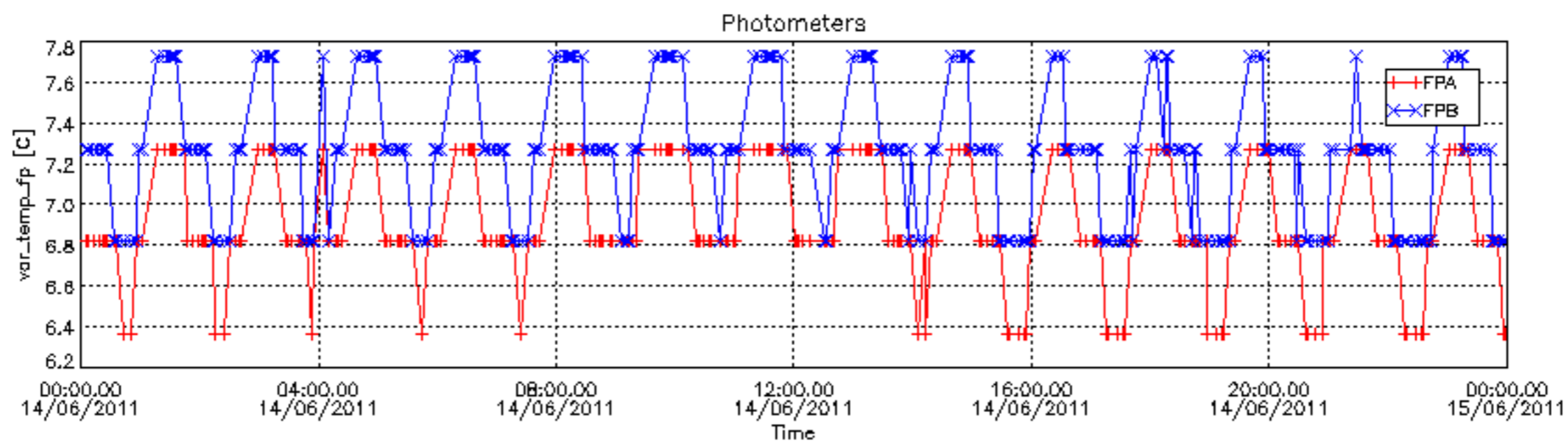
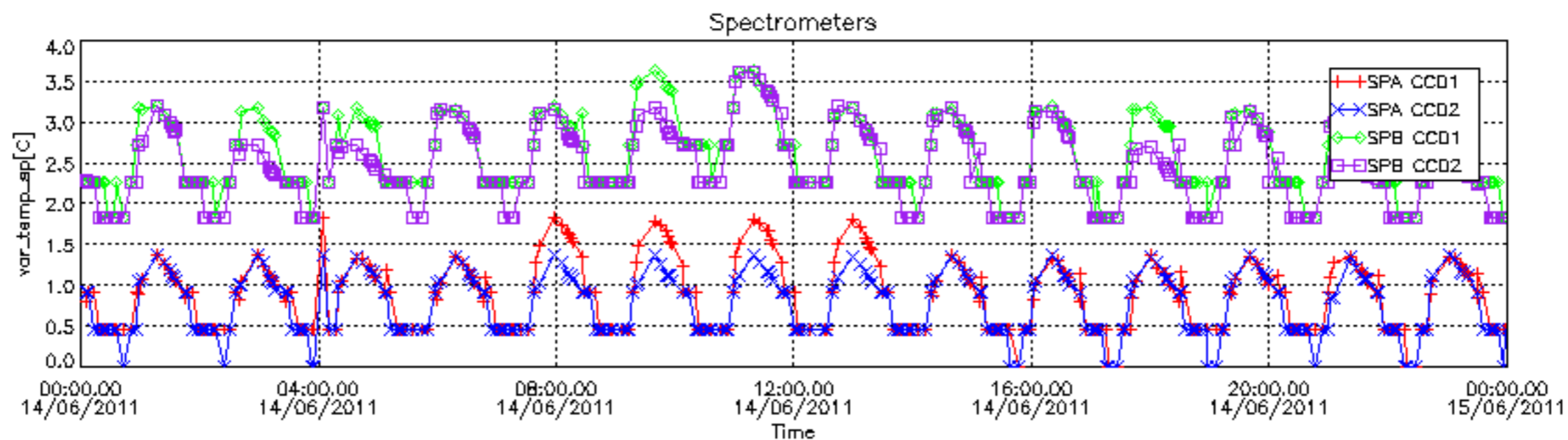
### 8. Auxiliary Data Files used for the production reported in section 2.4



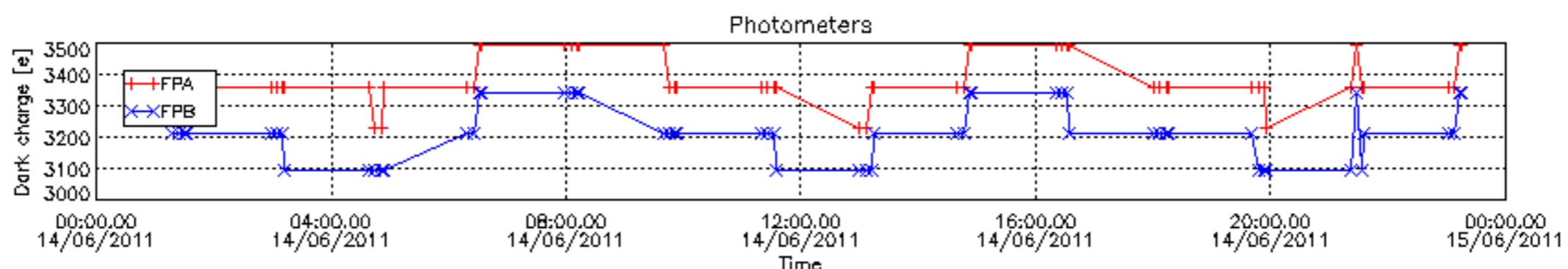
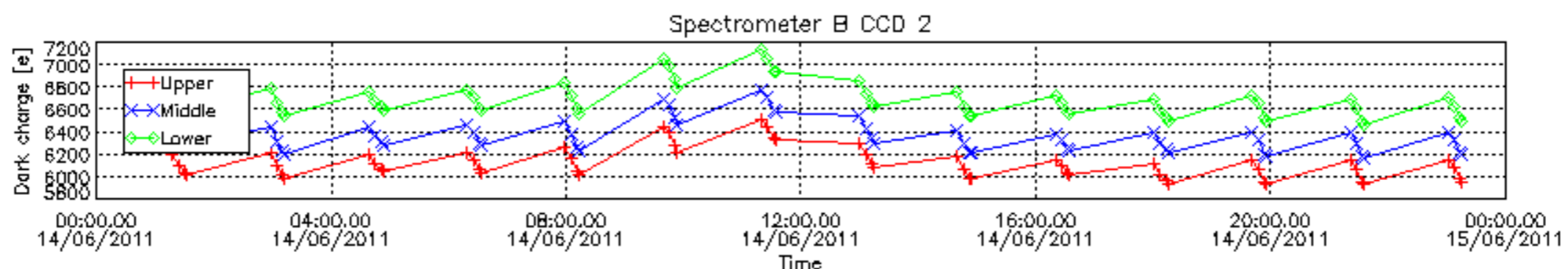
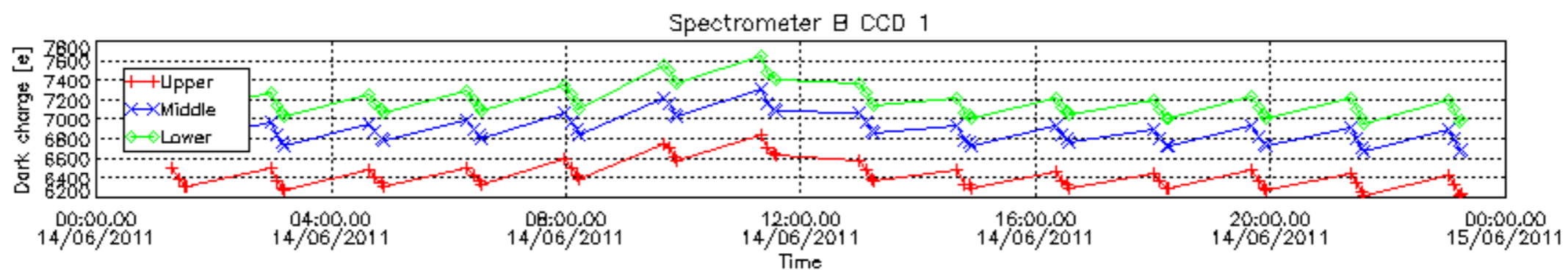
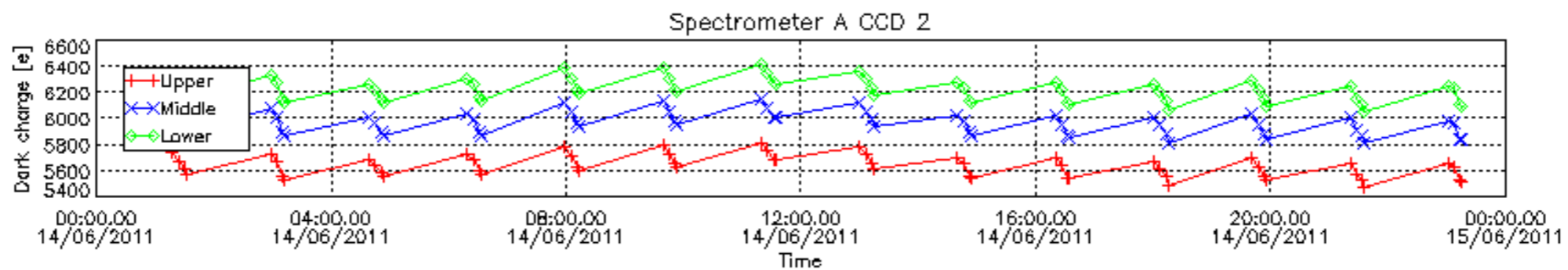
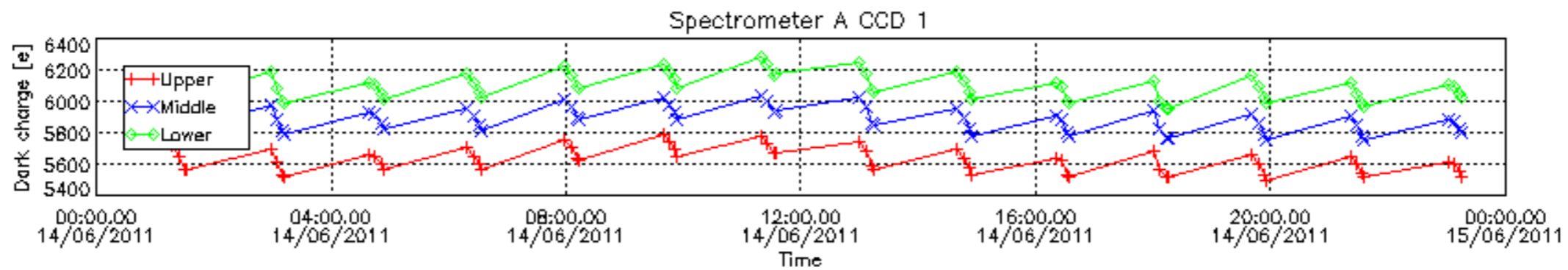
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

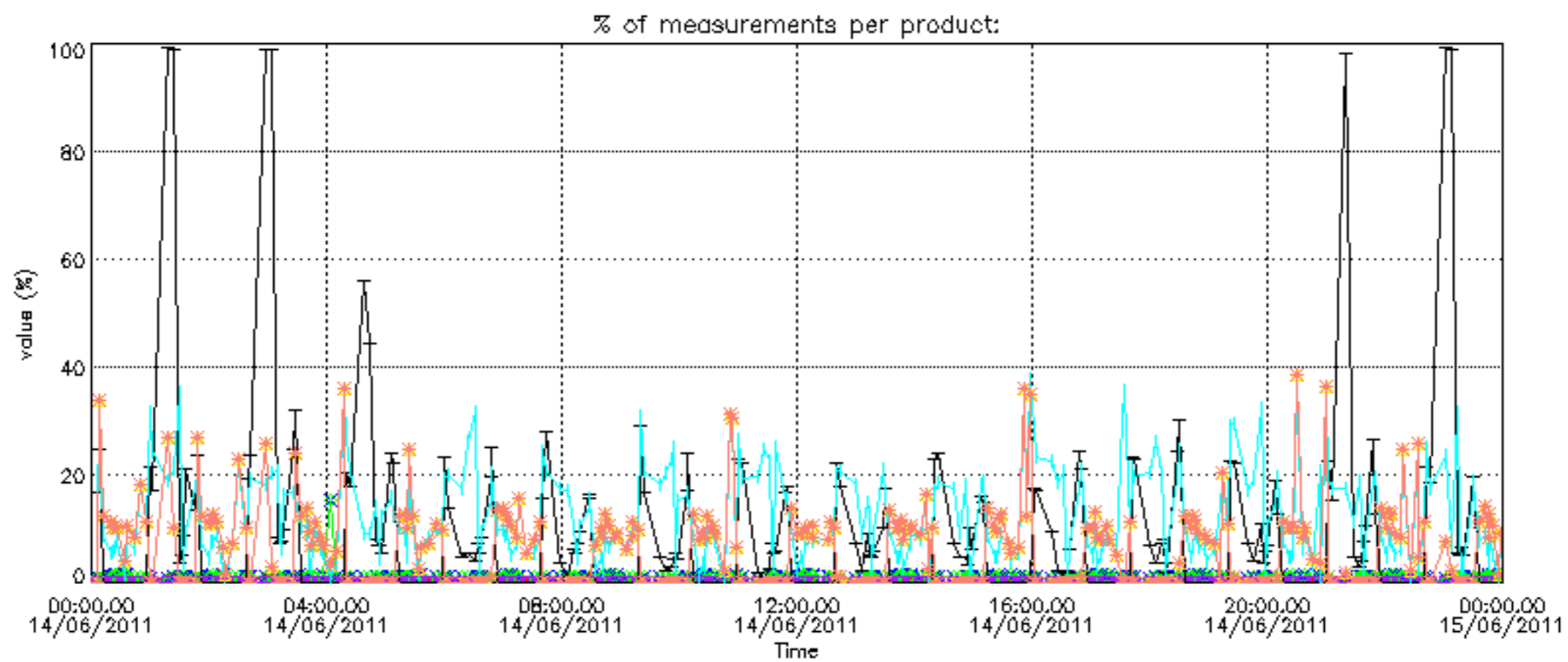
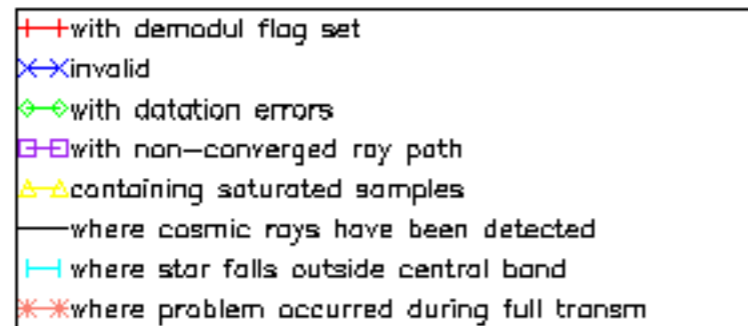
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	14-JUN-2011 00:06:03
CALIBRATION_DATABASE	GOM_CAL_AXNIEC20110606_150230_20110607_000000_20500101_000000	1	14-JUN-2011 00:06:03
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	1	14-JUN-2011 00:06:03
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	14-JUN-2011 00:06:03
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	14-JUN-2011 00:06:03
ECMWF_FILE	AUX_ECF_AXNECM20110613_062115_20110613_210000_20110614_090000	1	14-JUN-2011 00:06:03
ECMWF_FILE	AUX_ECF_AXNECM20110613_182958_20110614_030000_20110614_150000	50	14-JUN-2011 04:04:29
ECMWF_FILE	AUX_ECA_AXNECM20110614_062114_20110613_210000_20110614_090000	71	14-JUN-2011 05:51:02
ECMWF_FILE	AUX_ECF_AXNECM20110613_182958_20110614_030000_20110614_150000	104	14-JUN-2011 08:40:26
ECMWF_FILE	AUX_ECF_AXNECM20110614_062114_20110614_090000_20110614_210000	125	14-JUN-2011 10:20:39
ECMWF_FILE	AUX_ECF_AXNECM20110614_062114_20110614_150000_20110615_030000	186	14-JUN-2011 15:14:47
ECMWF_FILE	AUX_ECA_AXNECM20110614_180209_20110614_090000_20110614_210000	226	14-JUN-2011 18:28:26
ECMWF_FILE	AUX_ECF_AXNECM20110614_062114_20110614_150000_20110615_030000	247	14-JUN-2011 20:08:40
ECMWF_FILE	AUX_ECF_AXNECM20110614_062115_20110614_210000_20110615_090000	262	14-JUN-2011 21:20:59
OPTIONAL_ECMWF_FILE	MISSING	1	14-JUN-2011 00:06:03
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110613_102958_20110612_192201_20110622_213549	1	14-JUN-2011 00:06:03
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110614_102114_20110613_184517_20110623_205905	125	14-JUN-2011 10:20:39



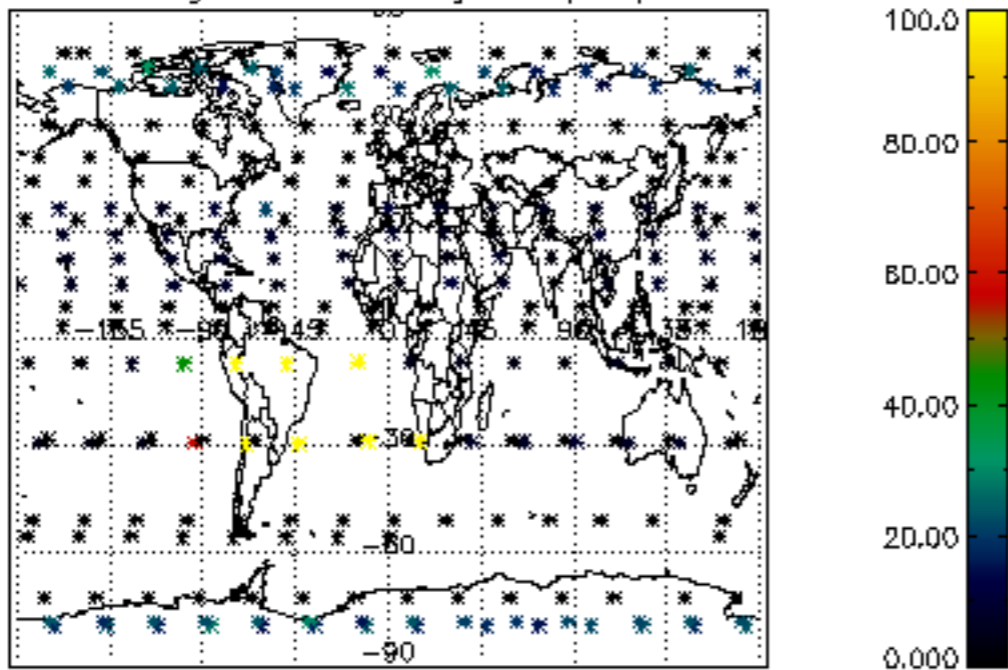




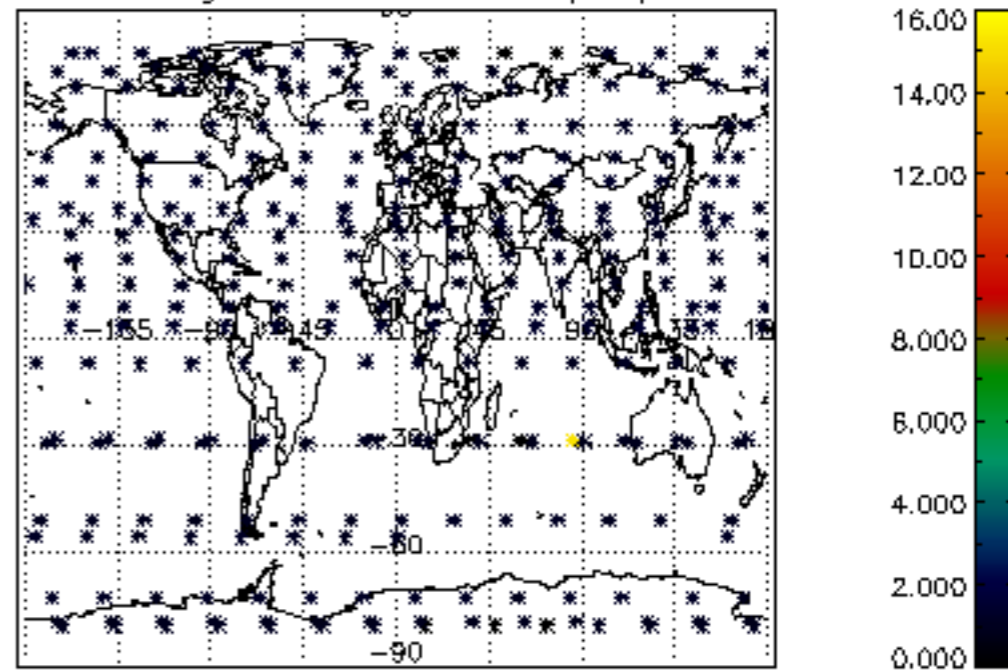




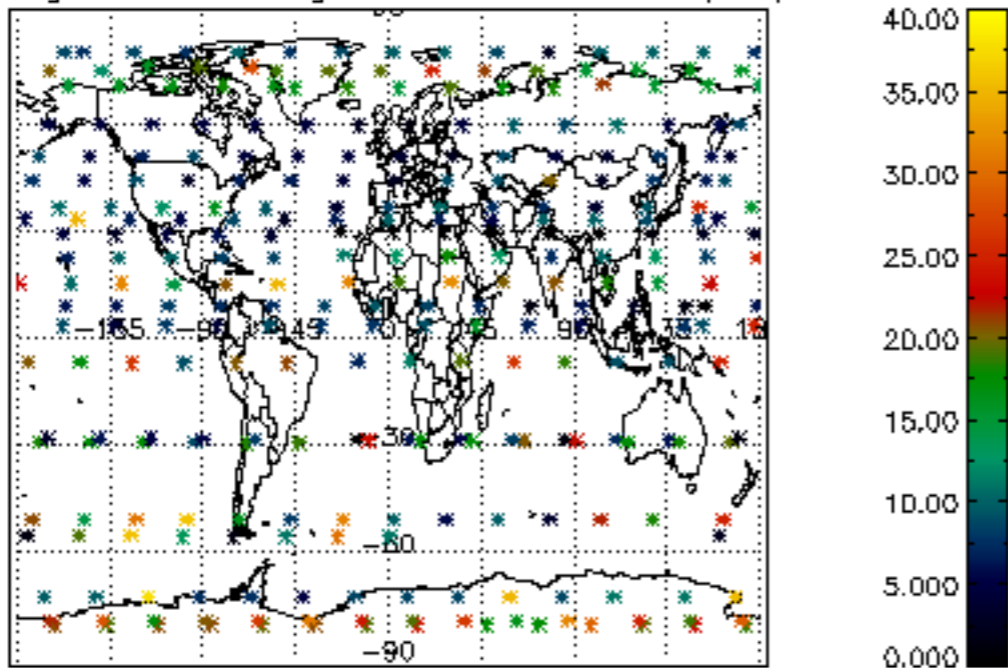
Percentage of cosmic ray hits per profile



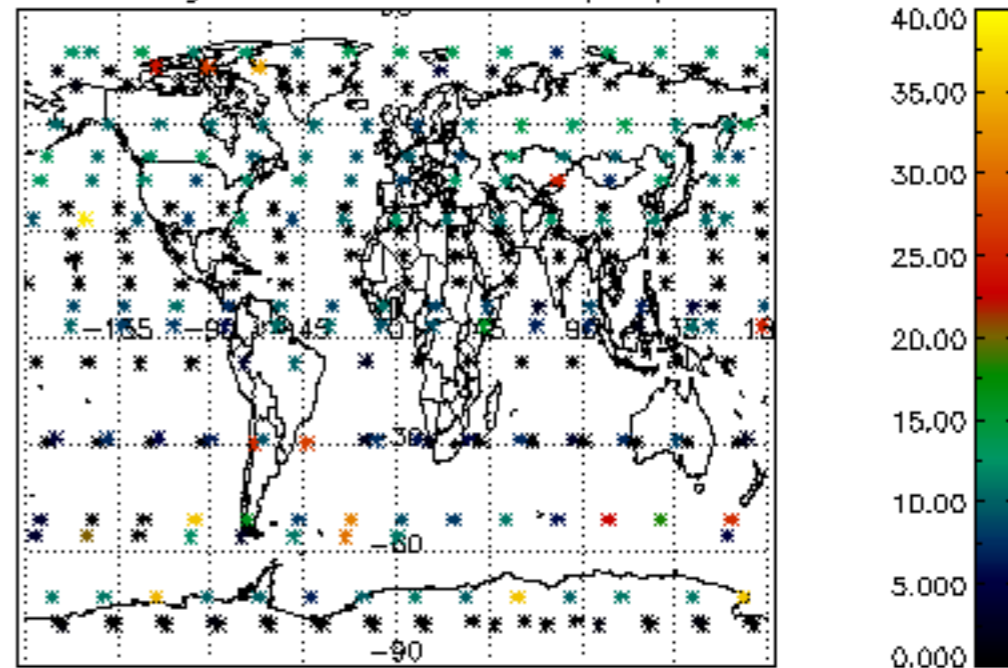
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

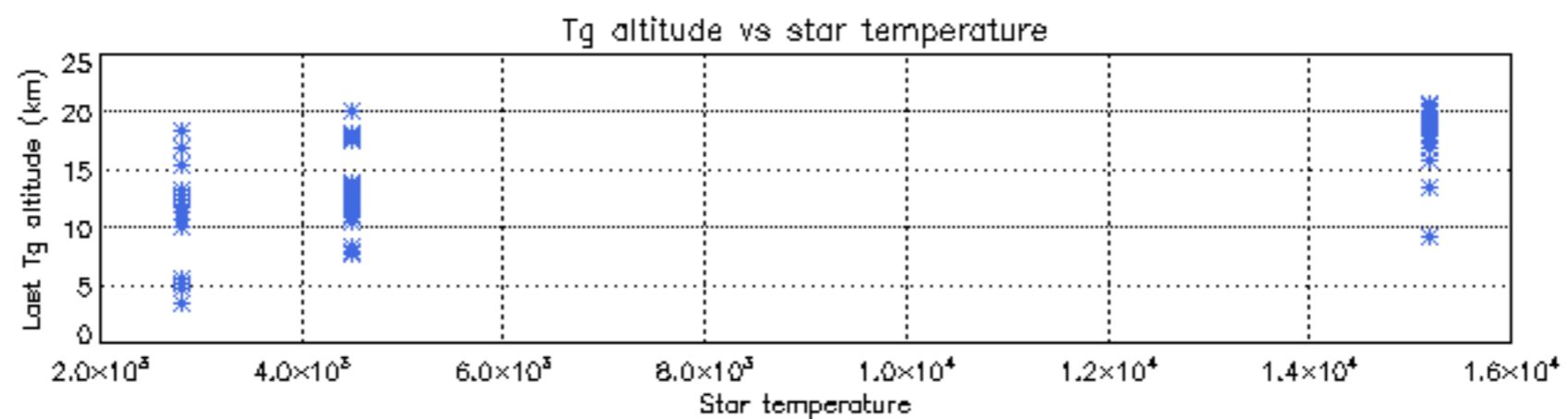
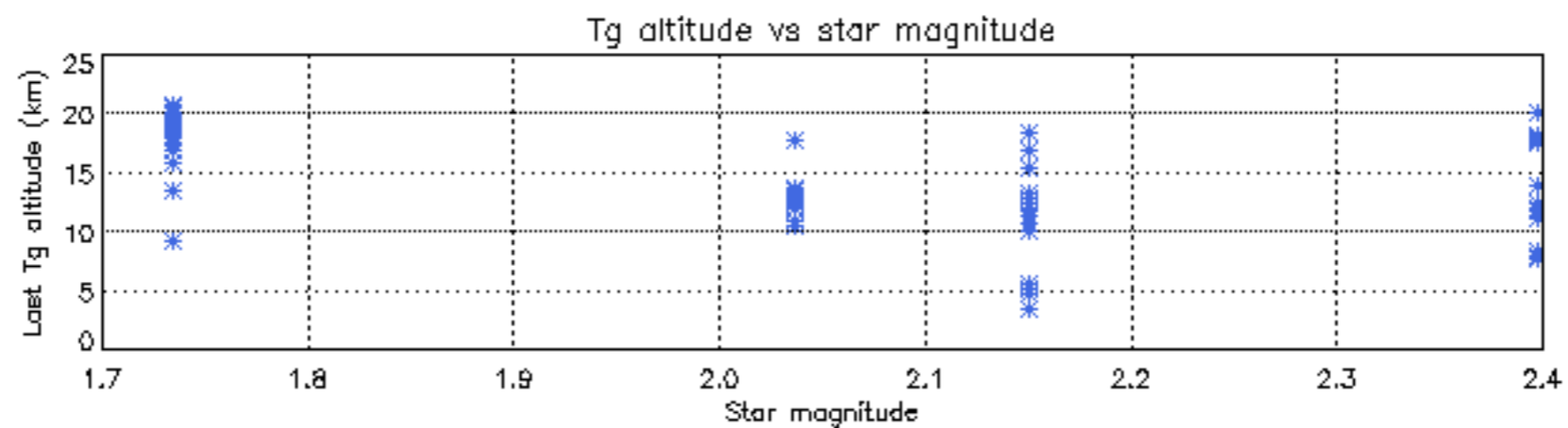
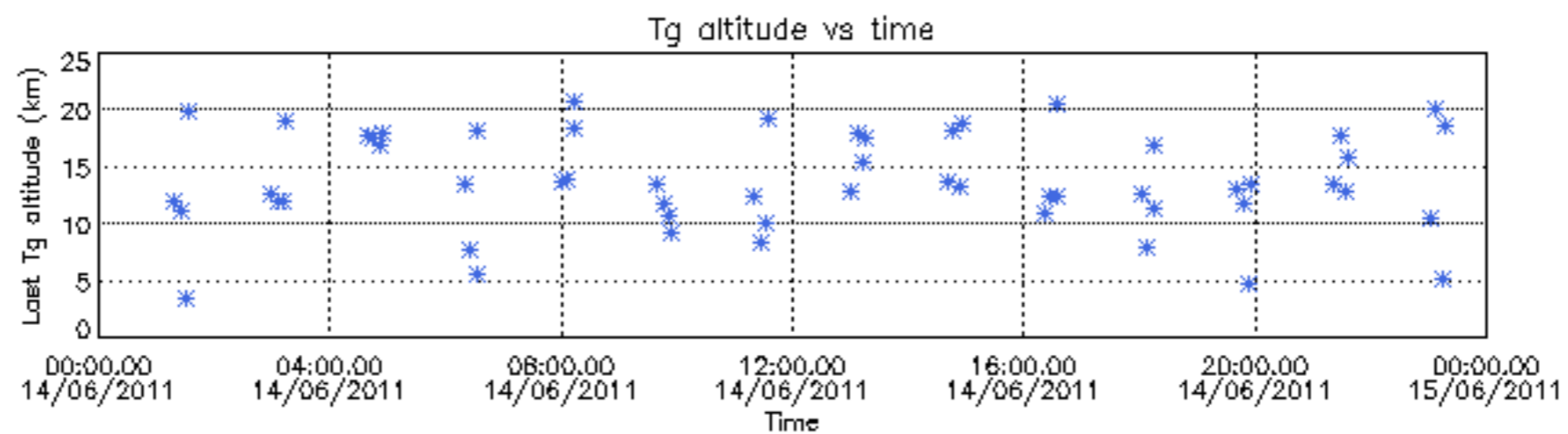


Percentage of saturation errors per profile

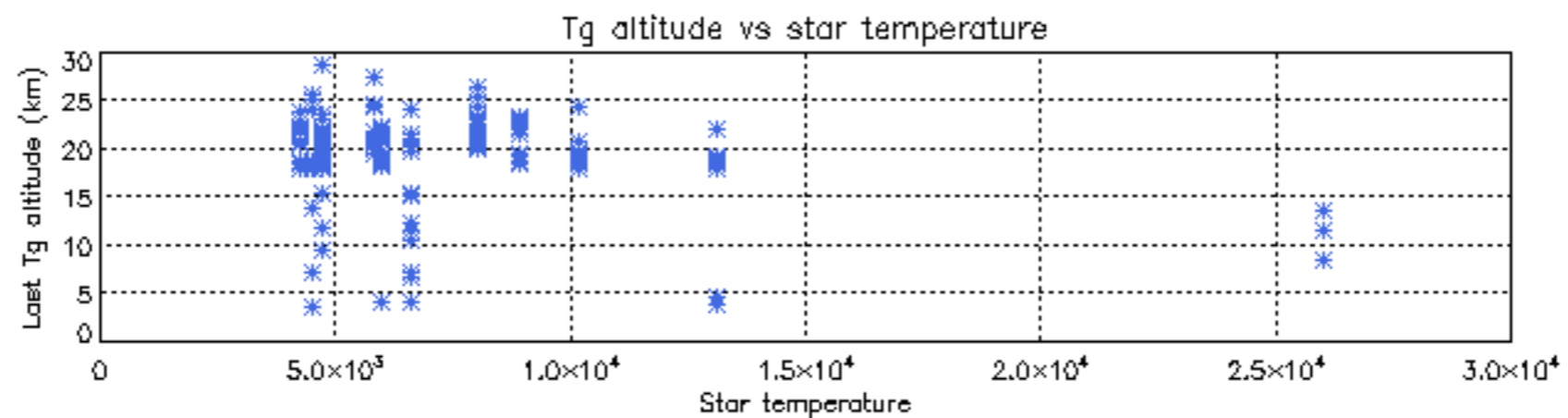
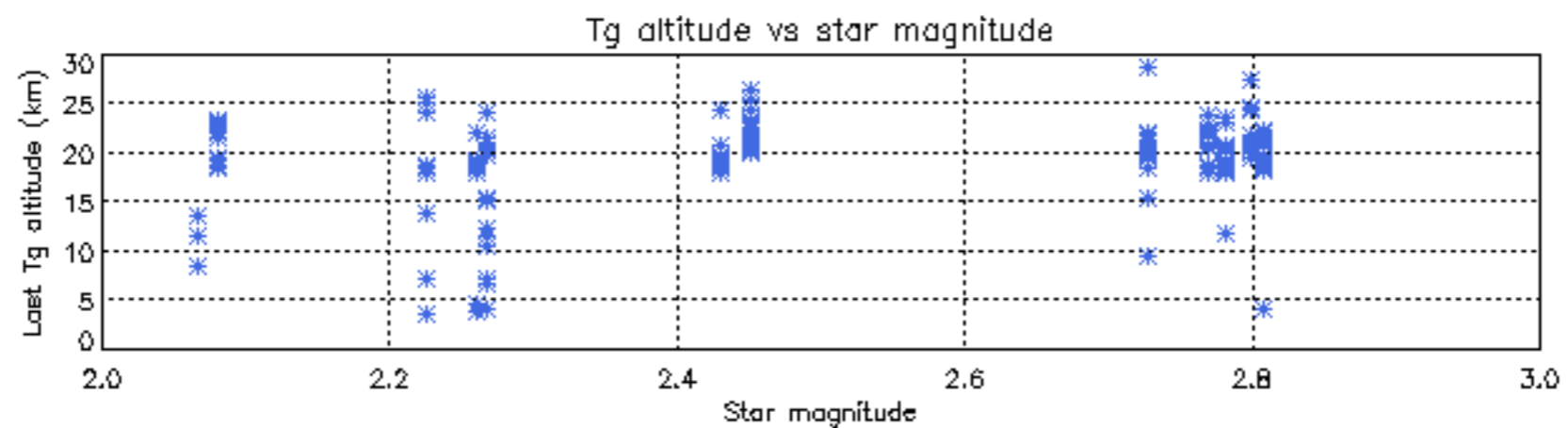
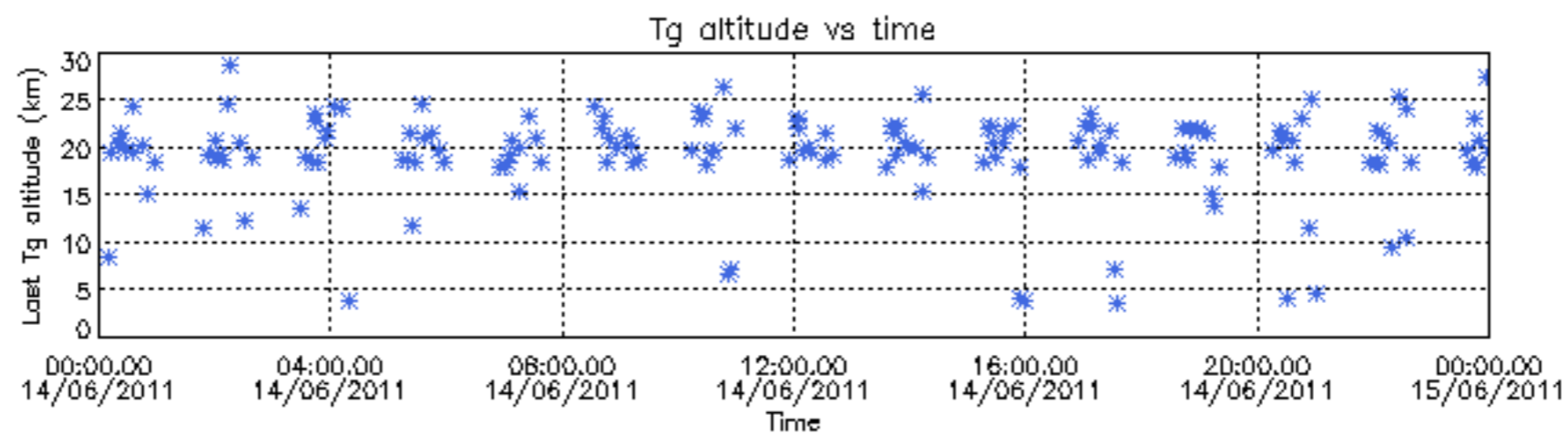




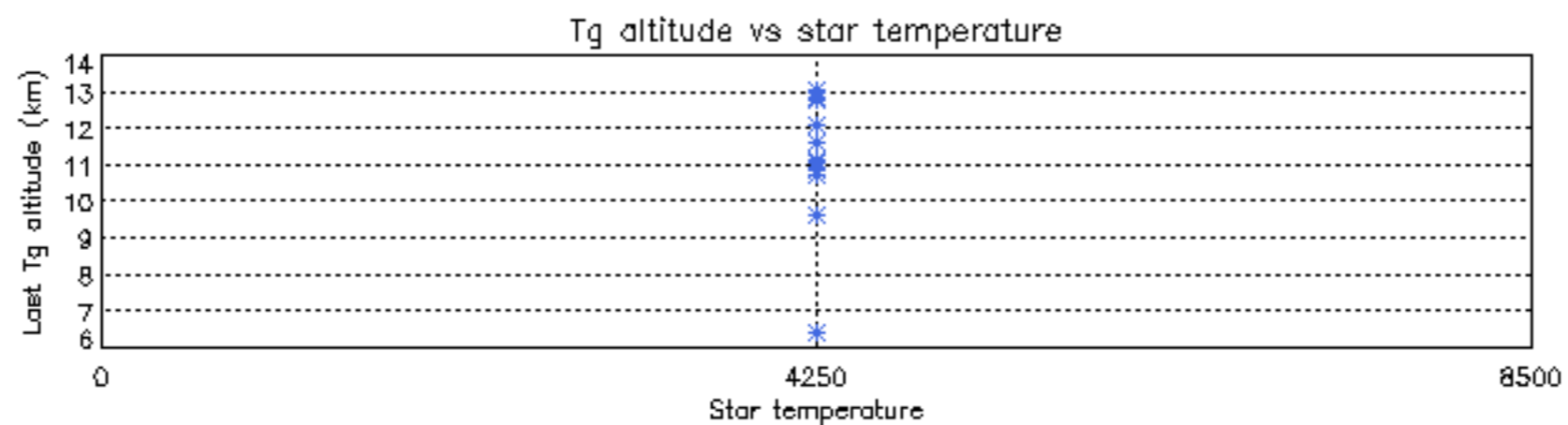
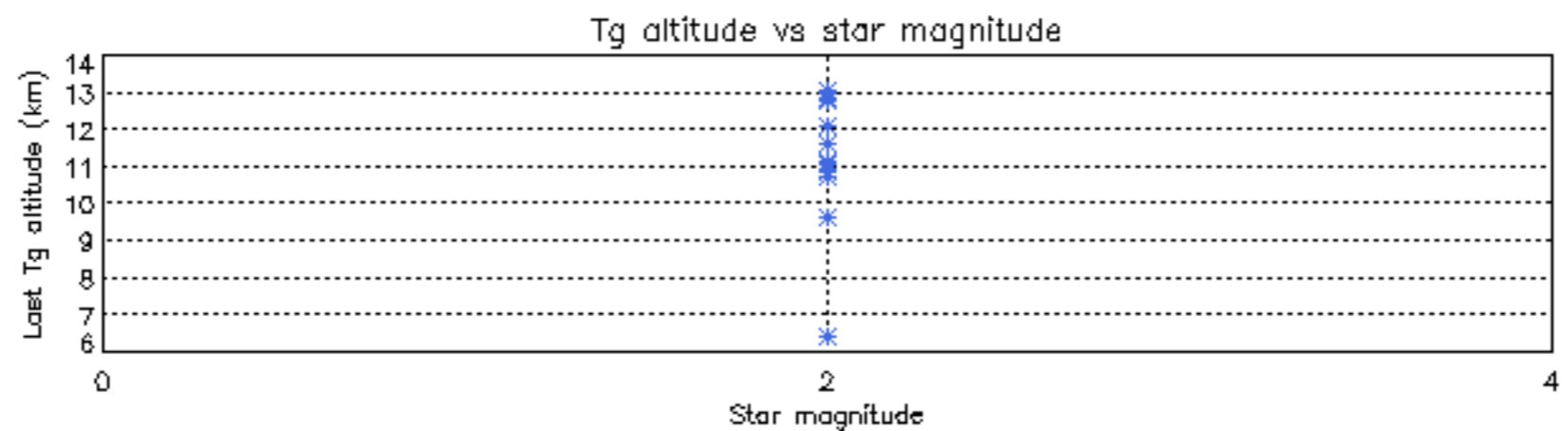
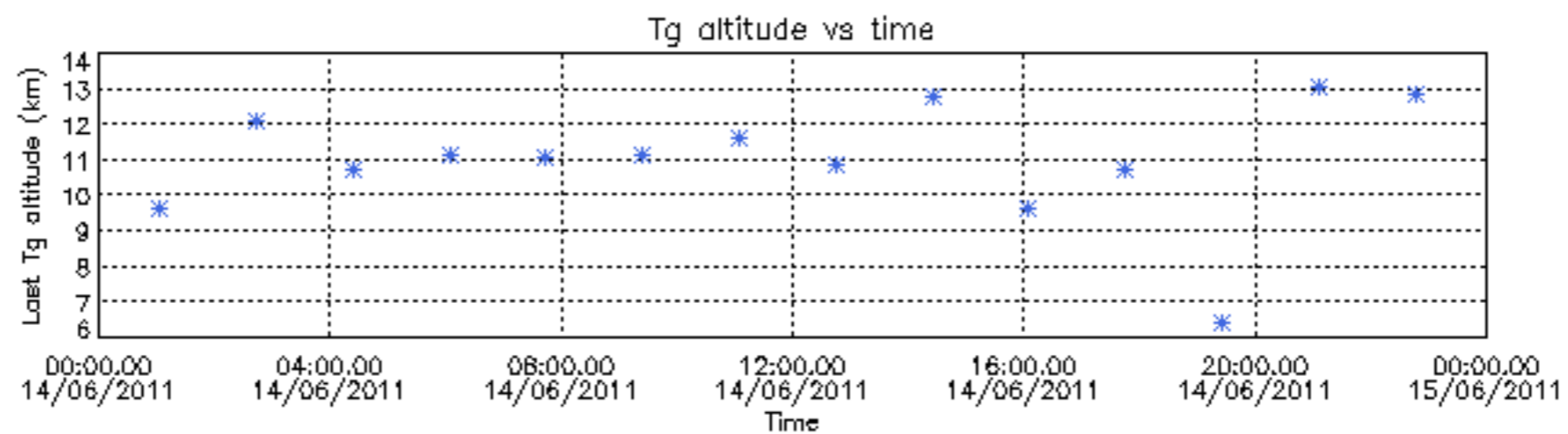
Tangent altitude at which the star is lost



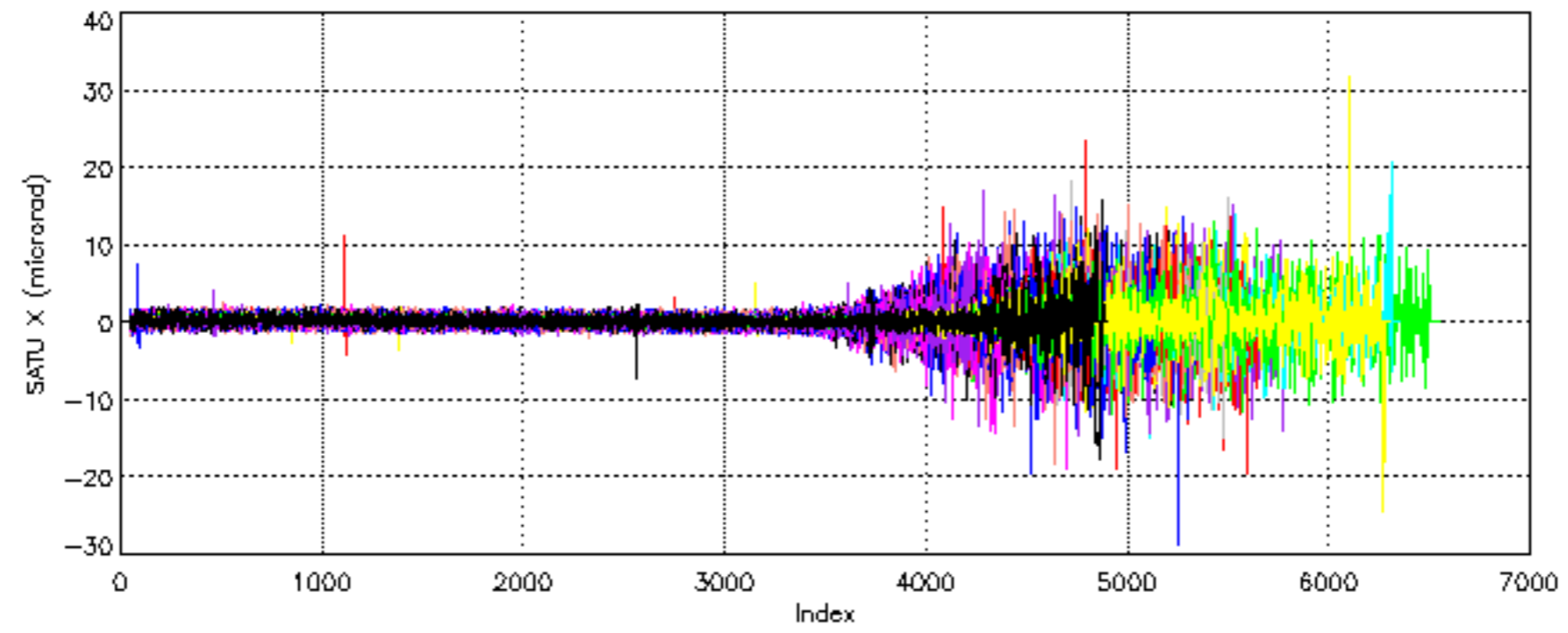
Tangent altitude at which the star is lost

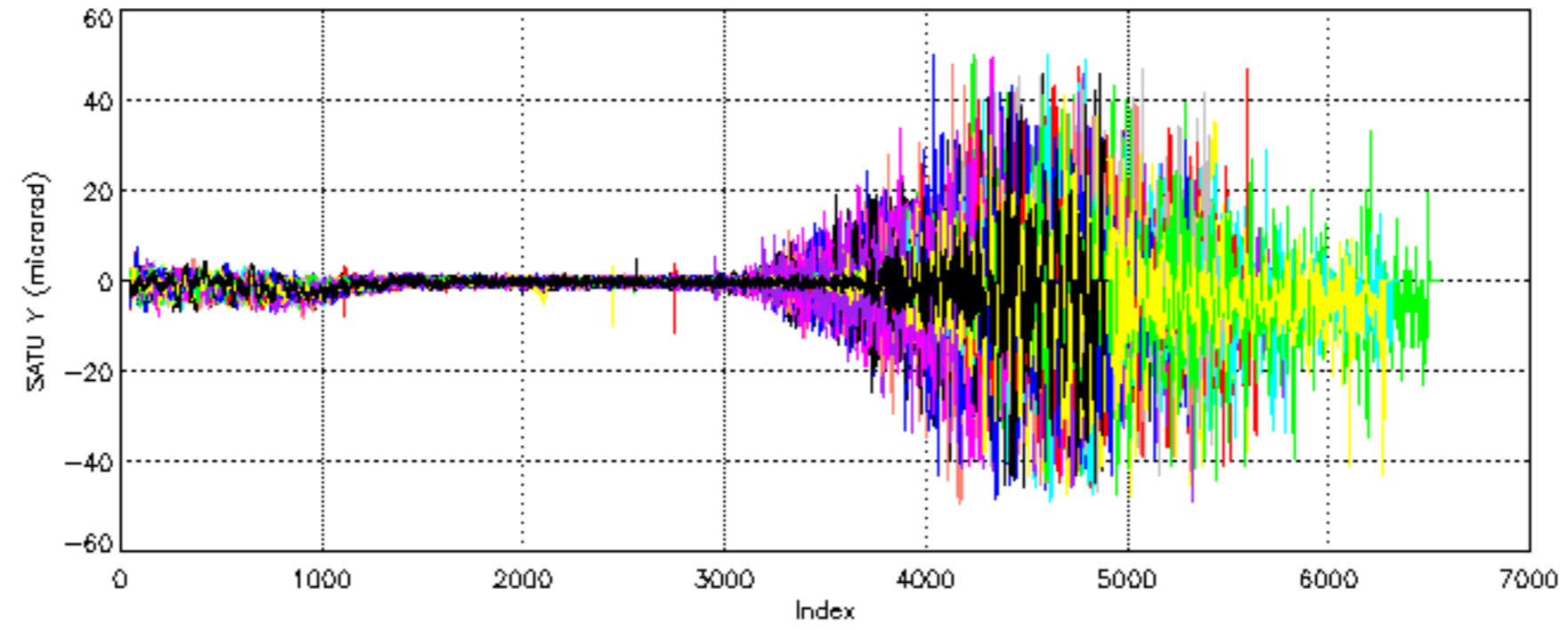


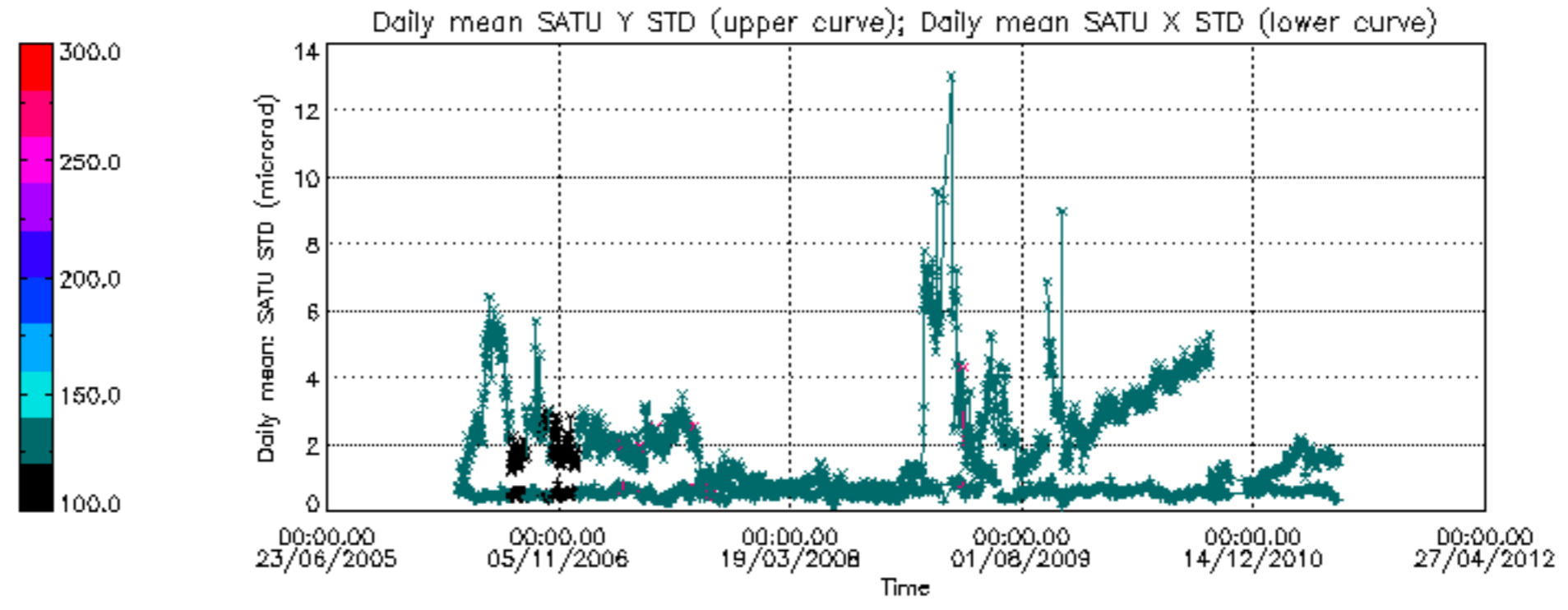
Tangent altitude at which the star is lost

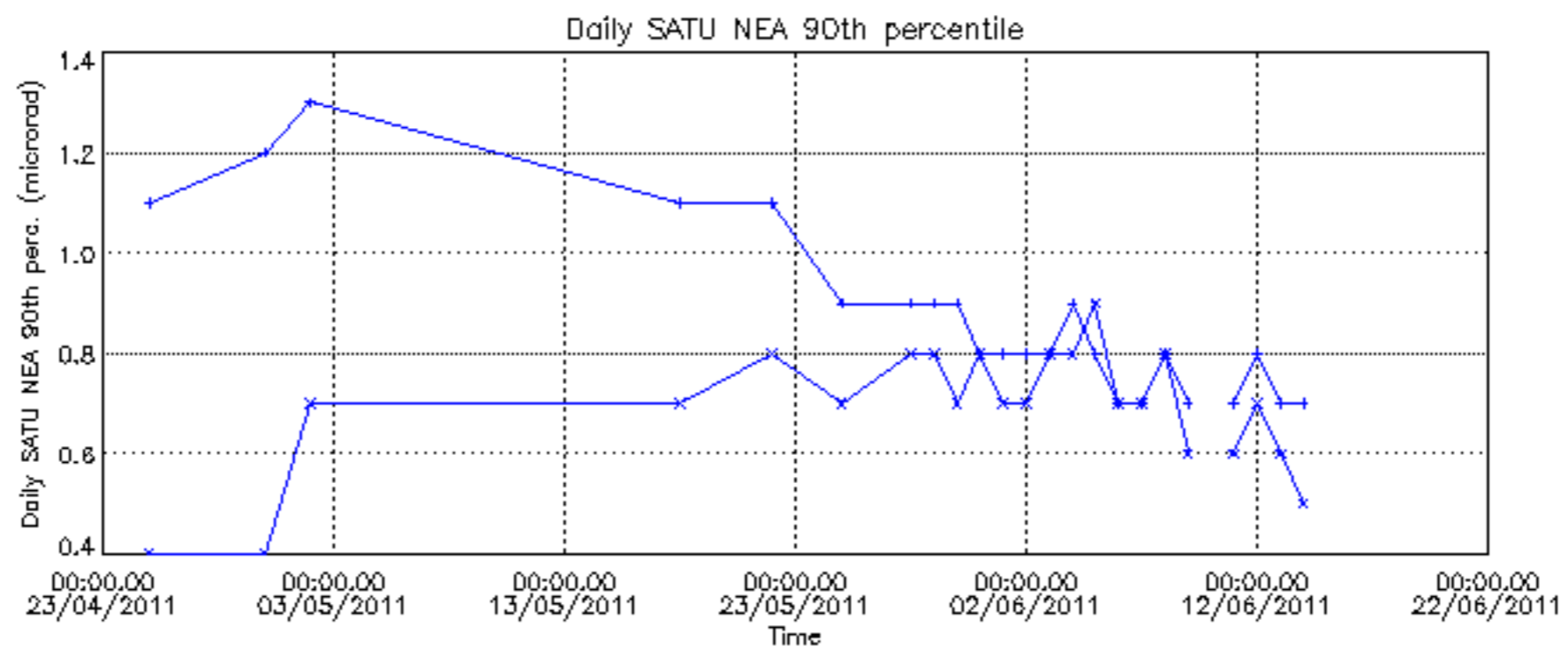














/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20110601\_005013\_000056293103\_00088\_48378\_5842.N1

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  
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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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4; 264.6; 15-JUN-2011 00:53:53; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;48580  
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6; 500.6; 15-JUN-2011 00:57:49; Dark ; 52.0; 172; Gam Gru ; 3.00; 13100;occ; 104; 0;48580  
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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  
13; 2263.3; 15-JUN-2011 01:27:12; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;48580  
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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18; 3857.4; 15-JUN-2011 01:53:46; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;48580  
19; 3939.9; 15-JUN-2011 01:55:08; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;48580  
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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4; -1626.0; 15-JUN-2011 03:42:50; Dark ; 58.0; 53; 43Bet And ; 2.05; 3300;occ; 116; 0;48581
5; -1416.2; 15-JUN-2011 03:46:20; Dark ; 47.5; 50; 13Alp Ari ; 2.01; 4250;occ; 95; 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
14; 1285.5; 15-JUN-2011 04:31:22; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 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
17; 2144.5; 15-JUN-2011 04:45:41; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;48582
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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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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5; 416.1; 17-JUN-2011 01:23:10; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48609
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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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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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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; 4249.3; 17-JUN-2011 20:49:37; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;48620
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 5; 667.9; 21-JUN-2011 00:40:39; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48666
 6; 1225.3; 21-JUN-2011 00:49:57; Dark ; 49.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 99; 0;48666
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11; 2714.6; 21-JUN-2011 01:14:46; Bright; 50.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 100; 0;48666
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13; 3414.4; 21-JUN-2011 01:26:26; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48666
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5; 483.8; 21-JUN-2011 22:20:37; Dark ; 51.5; 31; Alp Gru ; 1.73; 15200;occ; 103; 0;48679
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8; 3787.9; 26-JUN-2011 21:52:14; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 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
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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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 2; 1333.3; 26-JUN-2011 16:10:38; Dark ; 51.0; 116; 19Del Sgr ; 2.70; 4100;occ; 102; 0;48747  
 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

10; 4044.1; 26-JUN-2011 16:55:48; Bright; 35.0; 160; 23Gam Per ; 2.93; 4700;occ; 70; 0;48747  
 11; 4246.9; 26-JUN-2011 16:59:11; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;48747  
 12; 4398.1; 26-JUN-2011 17:01:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48747  
 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  
 10; 4043.9; 26-JUN-2011 18:36:02; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48748  
 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  
 14; 4933.9; 26-JUN-2011 18:50:52; Dark ; 46.0; 94; 92Alp Cet ; 2.53; 3100;occ; 92; 0;48748  
 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  
 4; 1971.6; 26-JUN-2011 19:41:44; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48749  
 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
15; 1461.3; 27-JUN-2011 05:34:38; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48755
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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19; 2801.0; 27-JUN-2011 05:56:57; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 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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14; 4644.8; 27-JUN-2011 21:29:47; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48764
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6; 1255.4; 27-JUN-2011 22:13:32; Dark ; 41.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 82; 0;48765
7; 1337.7; 27-JUN-2011 22:14:54; Dark ; 45.5; 116; 19Del Sgr ; 2.70; 4100;occ; 91; 0;48765
8; 1463.3; 27-JUN-2011 22:16:59; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48765
9; 1970.6; 27-JUN-2011 22:25:27; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48765
10; 2111.0; 27-JUN-2011 22:27:47; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48765
11; 2653.0; 27-JUN-2011 22:36:49; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48765
12; 2799.0; 27-JUN-2011 22:39:15; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48765
13; 3347.2; 27-JUN-2011 22:48:23; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;48765
14; 3780.7; 27-JUN-2011 22:55:37; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48765
15; 3879.2; 27-JUN-2011 22:57:15; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48765
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17; 4246.0; 27-JUN-2011 23:03:22; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48765
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
6; 1255.6; 27-JUN-2011 23:53:46; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48766
7; 1338.0; 27-JUN-2011 23:55:08; Dark ; 41.0; 116; 19Del Sgr ; 2.70; 4100;occ; 82; 0;48766
8; 1463.5; 27-JUN-2011 23:57:14; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48766
9; 1970.6; 28-JUN-2011 00:05:41; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48766
10; 2110.7; 28-JUN-2011 00:08:01; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48766
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12; 2798.8; 28-JUN-2011 00:19:29; Bright; 53.0; 130; 23Bet Dra ; 2.80; 5800;occ; 106; 0;48766
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17; 4245.9; 28-JUN-2011 00:43:36; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48766
18; 4399.4; 28-JUN-2011 00:46:10; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48766
19; 4645.3; 28-JUN-2011 00:50:15; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48766
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3; -1970.3; 27-JUN-2011 06:17:40; Bright; 49.5; 160; 23Gam Per ; 2.93; 4700;occ; 99; 0;48755
4; -1767.6; 27-JUN-2011 06:21:03; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48755
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
7; -1077.5; 27-JUN-2011 06:32:33; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 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
12; 716.7; 27-JUN-2011 07:02:27; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48756
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  
6; 3785.1; 27-JUN-2011 07:53:35; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48756  
7; 3882.8; 27-JUN-2011 07:55:13; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48756  
8; 4043.7; 27-JUN-2011 07:57:54; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48756  
9; 4246.5; 27-JUN-2011 08:01:17; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48756  
10; 4398.7; 27-JUN-2011 08:03:49; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48756  
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13; 5447.8; 27-JUN-2011 08:21:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48756  
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15; 6452.9; 27-JUN-2011 08:38:03; Dark ; 65.0; 63; Bet Gru ; 2.15; 2800;occ; 130; 0;48757  
16; 6571.5; 27-JUN-2011 08:40:02; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48757  
17; 6731.3; 27-JUN-2011 08:42:42; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;48757  
18; 7267.1; 27-JUN-2011 08:51:38; Dark ; 42.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 84; 0;48757  
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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3; 2657.4; 27-JUN-2011 09:15:02; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48757  
4; 2800.9; 27-JUN-2011 09:17:25; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48757  
5; 3352.2; 27-JUN-2011 09:26:37; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48757  
6; 3784.6; 27-JUN-2011 09:33:49; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48757  
7; 3882.5; 27-JUN-2011 09:35:27; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48757  
8; 4043.7; 27-JUN-2011 09:38:08; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48757  
9; 4246.6; 27-JUN-2011 09:41:31; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;48757  
10; 4398.8; 27-JUN-2011 09:44:03; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48757  
11; 4642.7; 27-JUN-2011 09:48:07; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48757  
12; 4937.4; 27-JUN-2011 09:53:02; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48757  
13; 5448.6; 27-JUN-2011 10:01:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48757  
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15; 6453.6; 27-JUN-2011 10:18:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48758  
16; 6572.2; 27-JUN-2011 10:20:17; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48758  
17; 6731.5; 27-JUN-2011 10:22:56; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48758  
18; 7267.3; 27-JUN-2011 10:31:52; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48758  
19; 7350.0; 27-JUN-2011 10:33:14; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48758  
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3; 2656.8; 27-JUN-2011 10:55:15; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;48758  
4; 2800.3; 27-JUN-2011 10:57:39; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48758  
5; 3351.8; 27-JUN-2011 11:06:50; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48758  
6; 3784.1; 27-JUN-2011 11:14:02; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48758  
7; 3882.1; 27-JUN-2011 11:15:40; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48758  
8; 4043.5; 27-JUN-2011 11:18:22; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48758  
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10; 4398.7; 27-JUN-2011 11:24:17; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48758  
11; 4642.8; 27-JUN-2011 11:28:21; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48758  
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13; 5449.4; 27-JUN-2011 11:41:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48758  
14; 6066.0; 27-JUN-2011 11:52:04; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;48759  
15; 6454.7; 27-JUN-2011 11:58:33; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48759  
16; 6573.4; 27-JUN-2011 12:00:32; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48759  
17; 6732.3; 27-JUN-2011 12:03:11; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48759  
18; 7267.8; 27-JUN-2011 12:12:06; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;48759  
19; 7350.3; 27-JUN-2011 12:13:29; Dark ; 44.0; 116; 19Del Sgr ; 2.70; 4100;occ; 88; 0;48759  
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3; 2656.4; 27-JUN-2011 12:35:29; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48759  
4; 2800.3; 27-JUN-2011 12:37:52; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48759  
5; 3351.0; 27-JUN-2011 12:47:03; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48759  
6; 3783.5; 27-JUN-2011 12:54:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48759  
7; 3881.8; 27-JUN-2011 12:55:54; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48759



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20; 7476.4; 27-JUN-2011 13:55:49; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48760
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17; 6733.2; 27-JUN-2011 15:23:39; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48761
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 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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14; 3336.9; 28-JUN-2011 23:51:43; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48780
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 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
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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; 2797.4; 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
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 3; 1465.6; 28-JUN-2011 18:19:50; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48777  
 4; 1970.3; 28-JUN-2011 18:28:14; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48777  
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 7; 2796.6; 28-JUN-2011 18:42:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48777  
 8; 3338.8; 28-JUN-2011 18:51:03; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48777  
 9; 3774.8; 28-JUN-2011 18:58:19; Bright; 53.5; 74; 11Bet Cas ; 2.27; 6600;occ; 107; 0;48777  
 10; 3874.3; 28-JUN-2011 18:59:58; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48777  
 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  
 13; 4400.1; 28-JUN-2011 19:08:44; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48777  
 14; 4648.4; 28-JUN-2011 19:12:52; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48777  
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 16; 5464.9; 28-JUN-2011 19:26:29; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48777  
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 18; 6473.3; 28-JUN-2011 19:43:17; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48778  
 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778  
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 5; 728.9; 29-JUN-2011 00:48:29; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48781  
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 8; 1466.4; 29-JUN-2011 01:00:46; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48781  
 9; 1970.1; 29-JUN-2011 01:09:10; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48781  
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 11; 2226.9; 29-JUN-2011 01:13:27; Bright; 33.0; 168; 17Zet Aql ; 2.99; 11000;occ; 66; 0;48781  
 12; 2644.5; 29-JUN-2011 01:20:24; Bright; 62.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 124; 0;48781  
 13; 2795.9; 29-JUN-2011 01:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48781  
 14; 3336.0; 29-JUN-2011 01:31:56; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48781  
 15; 3772.7; 29-JUN-2011 01:39:13; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48781



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17; 4042.7; 29-JUN-2011 01:43:43; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48781
18; 4245.1; 29-JUN-2011 01:47:05; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48781
19; 4400.2; 29-JUN-2011 01:49:40; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48781
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 4; 580.1; 29-JUN-2011 02:26:14; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48782
 5; 729.6; 29-JUN-2011 02:28:43; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48782
 6; 1300.2; 29-JUN-2011 02:38:14; Dark ; 48.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 96; 0;48782
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 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
10; 2226.4; 29-JUN-2011 02:53:40; Bright; 39.0; 168; 17Zet Aql ; 2.99; 11000;occ; 78; 0;48782
11; 2644.0; 29-JUN-2011 03:00:38; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48782
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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 3;-1971.4; 29-JUN-2011 03:23:56; Bright; 43.5; 160; 23Gam Per ; 2.93; 4700;occ; 87; 0;48782
 4;-1769.0; 29-JUN-2011 03:27:19; Bright; 55.5; 73; 57Gam1And ; 2.26; 13100;occ; 111; 0;48782
 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
 7;-1066.8; 29-JUN-2011 03:39:01; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48782
 8; -544.9; 29-JUN-2011 03:47:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48782
 9; 75.8; 29-JUN-2011 03:58:04; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48783
10; 464.1; 29-JUN-2011 04:04:32; Dark ; 63.0; 63; Bet Gru ; 2.15; 2800;occ; 126; 0;48783
11; 581.3; 29-JUN-2011 04:06:29; Dark ; 51.5; 31; Alp Gru ; 1.73; 15200;occ; 103; 0;48783
12; 730.4; 29-JUN-2011 04:08:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48783
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
15; 1970.1; 29-JUN-2011 04:29:38; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48783
16; 2109.9; 29-JUN-2011 04:31:58; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48783
17; 2226.0; 29-JUN-2011 04:33:54; Bright; 39.0; 168; 17Zet Aql ; 2.99; 11000;occ; 78; 0;48783
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19; 2796.0; 29-JUN-2011 04:43:24; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48783
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 3;-1971.4; 29-JUN-2011 05:04:11; Bright; 35.0; 160; 23Gam Per ; 2.93; 4700;occ; 70; 0;48783
 4;-1769.0; 29-JUN-2011 05:07:33; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48783
 5;-1613.3; 29-JUN-2011 05:10:09; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48783
 6;-1363.4; 29-JUN-2011 05:14:18; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48783
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 9; 77.0; 29-JUN-2011 05:38:19; Dark ; 62.5; 84; Alp Phe ; 2.40; 4500;occ; 125; 0;48784
10; 464.9; 29-JUN-2011 05:44:47; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48784
11; 582.3; 29-JUN-2011 05:46:44; Dark ; 51.5; 31; Alp Gru ; 1.73; 15200;occ; 103; 0;48784
12; 730.8; 29-JUN-2011 05:49:13; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48784
13; 1300.7; 29-JUN-2011 05:58:43; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;48784
14; 1467.5; 29-JUN-2011 06:01:29; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48784
15; 1970.0; 29-JUN-2011 06:09:52; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48784
16; 2109.8; 29-JUN-2011 06:12:12; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48784
17; 2225.4; 29-JUN-2011 06:14:07; Bright; 46.0; 168; 17Zet Aql ; 2.99; 11000;occ; 92; 0;48784
18; 2643.0; 29-JUN-2011 06:21:05; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48784
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 4; 2109.3; 29-JUN-2011 21:14:17; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48793
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9; 3328.1; 29-JUN-2011 21:34:36; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48793
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12; 4042.1; 29-JUN-2011 21:46:30; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48793
13; 4244.4; 29-JUN-2011 21:49:52; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48793
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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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13; 2908.7; 29-JUN-2011 23:07:50; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;48794
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19; 4653.9; 29-JUN-2011 23:36:56; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48794
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13; 1301.2; 29-JUN-2011 07:38:57; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48785
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3; 2224.6; 29-JUN-2011 07:54:20; Bright; 46.0; 168; 17Zet Aql ; 2.99; 11000;occ; 92; 0;48785
4; 2642.8; 29-JUN-2011 08:01:19; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48785
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
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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  
8; 4042.6; 29-JUN-2011 10:04:52; Bright; 36.5; 160; 23Gam Per ; 2.93; 4700;occ; 73; 0;48786  
9; 4244.9; 29-JUN-2011 10:08:15; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48786  
10; 4401.0; 29-JUN-2011 10:10:51; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48786  
11; 4651.6; 29-JUN-2011 10:15:02; Dark ; 60.5; 50; 13Alp Ari ; 2.01; 4250;occ; 121; 0;48786  
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  
5; 2795.2; 29-JUN-2011 11:24:19; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48787  
6; 3769.6; 29-JUN-2011 11:40:33; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48787  
7; 3870.2; 29-JUN-2011 11:42:14; Bright; 46.5; 68; 18Alp Cas ; 2.22; 4500;occ; 93; 0;48787  
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9; 4244.9; 29-JUN-2011 11:48:29; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48787  
10; 4401.0; 29-JUN-2011 11:51:05; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48787  
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14; 6094.8; 29-JUN-2011 12:19:19; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48788  
15; 6483.0; 29-JUN-2011 12:25:47; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48788  
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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3; 2223.3; 29-JUN-2011 12:55:01; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;48788  
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  
13; 4949.7; 29-JUN-2011 13:40:27; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48788  
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17; 6600.8; 29-JUN-2011 14:07:59; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48789  
18; 6747.3; 29-JUN-2011 14:10:25; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48789  
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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8; 3768.9; 29-JUN-2011 15:01:01; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48789
9; 3869.5; 29-JUN-2011 15:02:41; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48789
10; 4042.6; 29-JUN-2011 15:05:34; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48789
11; 4245.0; 29-JUN-2011 15:08:57; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;48789
12; 4401.2; 29-JUN-2011 15:11:33; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48789
13; 4652.6; 29-JUN-2011 15:15:44; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48789
14; 4950.1; 29-JUN-2011 15:20:42; Dark ; 50.0; 94; 92Alp Cet ; 2.53; 3100;occ; 100; 0;48789
15; 5475.0; 29-JUN-2011 15:29:27; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48789
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
18; 6601.6; 29-JUN-2011 15:48:13; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;48790
19; 6747.8; 29-JUN-2011 15:50:40; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48790
20; 7316.6; 29-JUN-2011 16:00:08; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 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
9; 3330.3; 29-JUN-2011 16:33:56; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 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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19; 6486.1; 29-JUN-2011 17:26:32; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;48791
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21; 6748.4; 29-JUN-2011 17:30:54; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48791
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3; 1969.9; 29-JUN-2011 17:51:30; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48791
4; 2109.5; 29-JUN-2011 17:53:49; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48791
5; 2221.7; 29-JUN-2011 17:55:42; Bright; 67.0; 168; 17Zet Aql ; 2.99; 11000;occ; 134; 0;48791
6; 2639.8; 29-JUN-2011 18:02:40; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48791
7; 2794.5; 29-JUN-2011 18:05:14; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48791
8; 2911.3; 29-JUN-2011 18:07:11; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;48791
9; 3329.7; 29-JUN-2011 18:14:09; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48791
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13; 4244.8; 29-JUN-2011 18:29:25; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48791
14; 4401.3; 29-JUN-2011 18:32:01; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48791
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
18; 6099.0; 29-JUN-2011 19:00:19; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;48792
19; 6487.0; 29-JUN-2011 19:06:47; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48792
20; 6603.6; 29-JUN-2011 19:08:43; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 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
4; 592.1; 30-JUN-2011 00:09:28; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48795
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6; 1304.0; 30-JUN-2011 00:21:20; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48795
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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 12; 2793.8; 30-JUN-2011 00:46:10; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48795  
 13; 2907.7; 30-JUN-2011 00:48:03; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;48795  
 14; 3326.7; 30-JUN-2011 00:55:02; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48795  
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 16; 3866.8; 30-JUN-2011 01:04:02; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48795  
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 3; 1969.8; 29-JUN-2011 19:31:44; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48792  
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 16; 4951.2; 29-JUN-2011 20:21:25; Dark ; 41.5; 94; 92Alp Cet ; 2.53; 3100;occ; 83; 0;48792  
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 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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 5; 2792.8; 30-JUN-2011 12:27:46; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48802  
 6; 2901.9; 30-JUN-2011 12:29:36; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;48802  
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 9; 3855.4; 30-JUN-2011 12:45:29; Bright; 63.0; 110; 37Del Cas ; 2.68; 8900;occ; 126; 0;48802  
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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
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 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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 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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