

# GOMOS Daily Report 31-MAY-2010

## Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM\_TRA\_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	03JUN2010 04:55:07
Data source version	GOMOS/5.00L04
Start time of products	31MAY2010 00:00:38
Stop time of products	31MAY2010 23:58:58
Store outputs in DB	Yes
Nb of level 1b prods	129
Nb of prods with errors	0

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

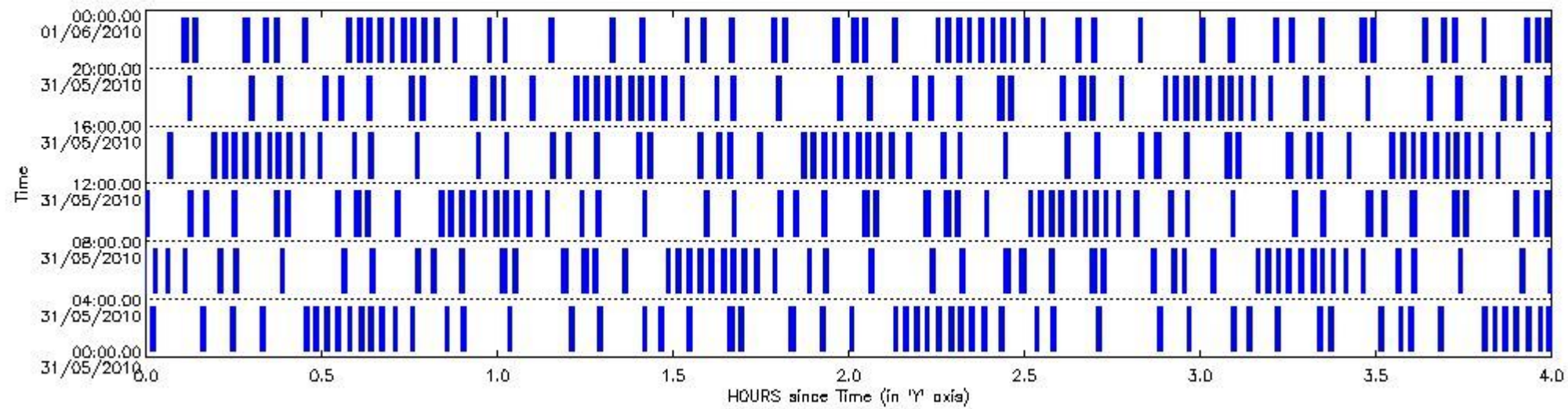
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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)

No missing products.

### 2.4 Summary of processed GOM\_TRA\_1P products

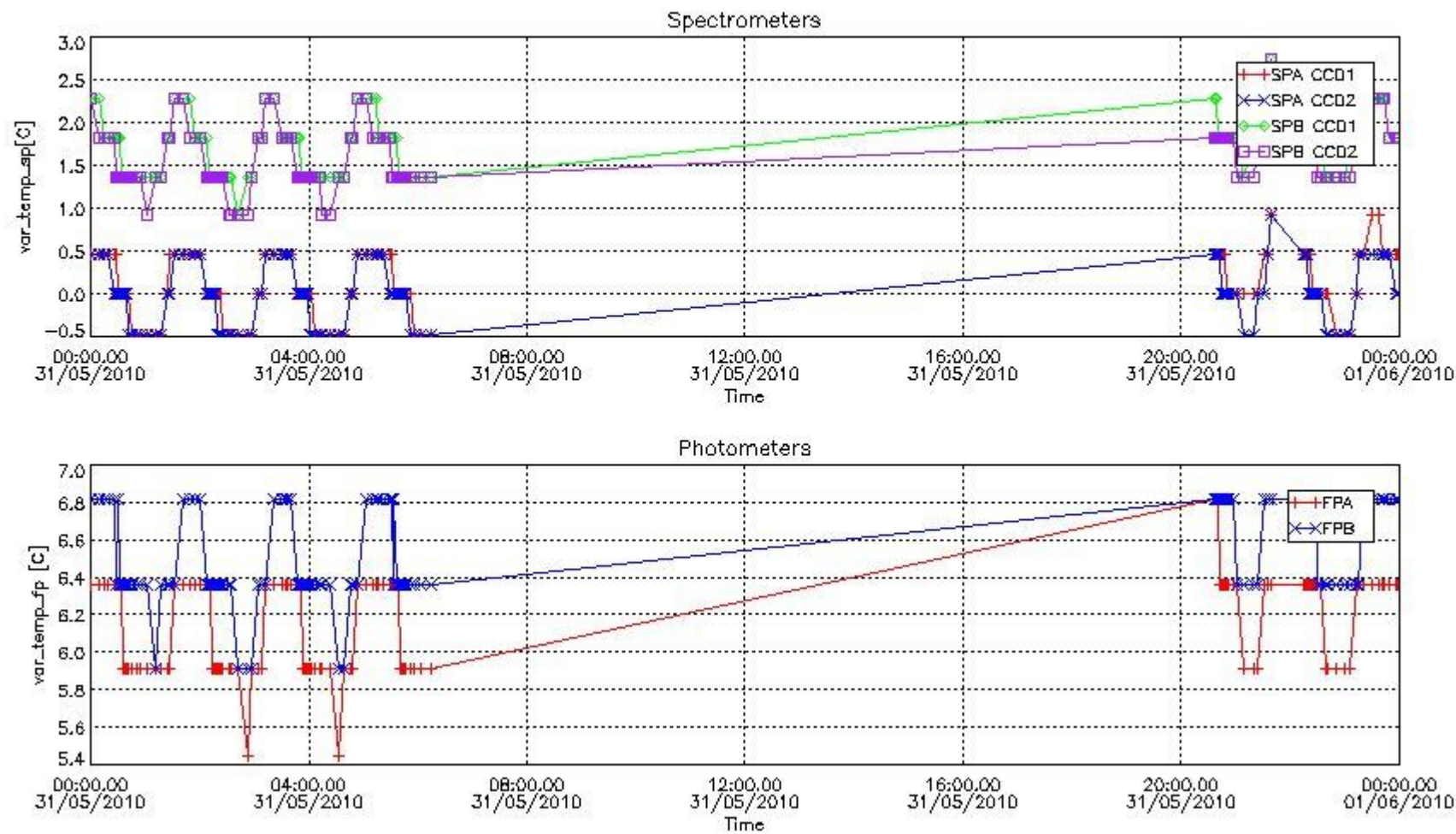
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100531_000038_000000472089_00488_43127_5351.N1	31-MAY-2010 00:00:38	Dark	47.000	52	16Bet Cet	2.0370	4500.0	94	43127	No
2	GOM_TRA_1PNPDE20100531_000908_000000592089_00488_43127_5352.N1	31-MAY-2010 00:09:08	Dark	59.000	18	24Alp PsA	1.1660	9700.0	118	43127	No
3	GOM_TRA_1PNPDE20100531_001425_000000472089_00489_43128_5353.N1	31-MAY-2010 00:14:25	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43128	No
4	GOM_TRA_1PNPDE20100531_001928_000000452089_00489_43128_5354.N1	31-MAY-2010 00:19:28	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	43128	No
5	GOM_TRA_1PNPDE20100531_002700_000000412089_00489_43128_5355.N1	31-MAY-2010 00:27:00	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	43128	No
6	GOM_TRA_1PNPDE20100531_002840_000000442089_00489_43128_5356.N1	31-MAY-2010 00:28:40	Straylight	44.000	40	The Sco	1.8590	7100.0	88	43128	No
7	GOM_TRA_1PNPDE20100531_003029_000000462089_00489_43128_5357.N1	31-MAY-2010 00:30:29	Twilight_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43128	No
8	GOM_TRA_1PNPDE20100531_003218_000000512089_00489_43128_5358.N1	31-MAY-2010 00:32:18	Twilight_and_stray	50.500	75	26Eps Sco	2.2910	4250.0	101	43128	No
9	GOM_TRA_1PNPDE20100531_003421_000000432089_00489_43128_5359.N1	31-MAY-2010 00:34:21	Bright	42.500	136	23Tau Sco	2.8220	30000.	85	43128	No
10	GOM_TRA_1PNPDE20100531_003627_000000392089_00489_43128_5360.N1	31-MAY-2010 00:36:27	Bright	38.500	80	7Del Sco	2.3160	30000.	77	43128	No
11	GOM_TRA_1PNPDE20100531_003802_000000482089_00489_43128_5361.N1	31-MAY-2010 00:38:02	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	43128	No
12	GOM_TRA_1PNPDE20100531_003954_000000442089_00489_43128_5362.N1	31-MAY-2010 00:39:54	Bright	44.000	98	13Zet Oph	2.5710	30000.	88	43128	No

13	GOM_TRA_1PNPDE20100531_004206_000000412089_00489_43128_5363.N1	31-MAY-2010 00:42:06	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	43128	No
14	GOM_TRA_1PNPDE20100531_004507_000000382089_00489_43128_5364.N1	31-MAY-2010 00:45:07	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43128	No
15	GOM_TRA_1PNPDE20100531_005103_000000392089_00489_43128_5365.N1	31-MAY-2010 00:51:03	Bright	39.000	67	5Alp CrB	2.2210	11000.	78	43128	No
16	GOM_TRA_1PNPDE20100531_005349_000000462089_00489_43128_5366.N1	31-MAY-2010 00:53:49	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	43128	No
17	GOM_TRA_1PNPDE20100531_010142_000000382089_00489_43128_5367.N1	31-MAY-2010 01:01:42	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	43128	No
18	GOM_TRA_1PNPDE20100531_011211_000000482089_00489_43128_5368.N1	31-MAY-2010 01:12:11	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43128	No
19	GOM_TRA_1PNPDE20100531_011703_000000552089_00489_43128_5369.N1	31-MAY-2010 01:17:03	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	43128	No
20	GOM_TRA_1PNPDE20100531_012444_000000442089_00489_43128_5370.N1	31-MAY-2010 01:24:44	Bright	43.500	53	43Bet And	2.0480	3300.0	87	43128	No
21	GOM_TRA_1PNPDE20100531_012725_000000532089_00489_43128_5371.N1	31-MAY-2010 01:27:25	Tw_i_and_stray	52.500	58	21Alp And	2.0730	11000.	105	43128	No
22	GOM_TRA_1PNPDE20100531_013216_000000502089_00489_43128_5372.N1	31-MAY-2010 01:32:16	Dark	49.500	140	88Gam Peg	2.8340	26000.	99	43128	No
23	GOM_TRA_1PNPDE20100531_014114_000000472089_00489_43128_5374.N1	31-MAY-2010 01:41:14	Dark	46.500	52	16Bet Cet	2.0370	4500.0	93	43128	No
24	GOM_TRA_1PNPDE20100531_014945_000000612089_00489_43128_5375.N1	31-MAY-2010 01:49:45	Dark	60.500	18	24Alp PsA	1.1660	9700.0	121	43128	No
25	GOM_TRA_1PNPDE20100531_015502_000000452089_00490_43129_5376.N1	31-MAY-2010 01:55:02	Dark	44.500	31	Alp Gru	1.7340	15200.	89	43129	No
26	GOM_TRA_1PNPDE20100531_020005_000000422089_00490_43129_5377.N1	31-MAY-2010 02:00:05	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43129	No
27	GOM_TRA_1PNPDE20100531_020736_000000402089_00490_43129_5378.N1	31-MAY-2010 02:07:36	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	43129	No
28	GOM_TRA_1PNPDE20100531_020917_000000472089_00490_43129_5379.N1	31-MAY-2010 02:09:17	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43129	No
29	GOM_TRA_1PNPDE20100531_021105_000000492089_00490_43129_5380.N1	31-MAY-2010 02:11:05	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	43129	No
30	GOM_TRA_1PNPDE20100531_021253_000000482089_00490_43129_5381.N1	31-MAY-2010 02:12:53	Tw_i_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	43129	No
31	GOM_TRA_1PNPDE20100531_021457_000000442089_00490_43129_5382.N1	31-MAY-2010 02:14:57	Bright	44.000	136	23Tau Sco	2.8220	30000.	88	43129	No
32	GOM_TRA_1PNPDE20100531_021703_000000412089_00490_43129_5383.N1	31-MAY-2010 02:17:03	Bright	41.000	80	7Del Sco	2.3160	30000.	82	43129	No
33	GOM_TRA_1PNPDE20100531_021837_000000472089_00490_43129_5384.N1	31-MAY-2010 02:18:37	Bright	47.000	86	35Eta Oph	2.4300	10200.	94	43129	No
34	GOM_TRA_1PNPDE20100531_022030_000000432089_00490_43129_5385.N1	31-MAY-2010 02:20:30	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	43129	No
35	GOM_TRA_1PNPDE20100531_022242_000000412089_00490_43129_5386.N1	31-MAY-2010 02:22:42	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	43129	No
36	GOM_TRA_1PNPDE20100531_022543_000000382089_00490_43129_5387.N1	31-MAY-2010 02:25:43	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43129	No
37	GOM_TRA_1PNPDE20100531_023139_000000402089_00490_43129_5388.N1	31-MAY-2010 02:31:39	Bright	39.500	67	5Alp CrB	2.2210	11000.	79	43129	No
38	GOM_TRA_1PNPDE20100531_023425_000000452089_00490_43129_5389.N1	31-MAY-2010 02:34:25	Bright	45.000	133	40Zet Her	2.8070	6000.0	90	43129	No
39	GOM_TRA_1PNPDE20100531_024217_000000392089_00490_43129_5390.N1	31-MAY-2010 02:42:17	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	43129	No
40	GOM_TRA_1PNPDE20100531_025247_000000472089_00490_43129_5404.N1	31-MAY-2010 02:52:47	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43129	No
41	GOM_TRA_1PNPDE20100531_025738_000000412089_00490_43129_5405.N1	31-MAY-2010 02:57:38	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	43129	No
42	GOM_TRA_1PNPDE20100531_030521_000000442089_00490_43129_5406.N1	31-MAY-2010 03:05:21	Bright	43.500	53	43Bet And	2.0480	3300.0	87	43129	No
43	GOM_TRA_1PNPDE20100531_030801_000000522089_00490_43129_5407.N1	31-MAY-2010 03:08:01	Tw_i_and_stray	51.500	58	21Alp And	2.0730	11000.	103	43129	No
44	GOM_TRA_1PNPDE20100531_031253_000000502089_00490_43129_5408.N1	31-MAY-2010 03:12:53	Dark	50.000	140	88Gam Peg	2.8340	26000.	100	43129	No
45	GOM_TRA_1PNPDE20100531_032151_000000482089_00490_43129_5409.N1	31-MAY-2010 03:21:51	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	43129	No
46	GOM_TRA_1PNPDE20100531_033022_000000532089_00490_43129_5410.N1	31-MAY-2010 03:30:22	Dark	52.500	18	24Alp PsA	1.1660	9700.0	105	43129	No
47	GOM_TRA_1PNPDE20100531_033348_000000482089_00491_43130_5411.N1	31-MAY-2010 03:33:48	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	43130	No
48	GOM_TRA_1PNPDE20100531_033539_000000452089_00491_43130_5412.N1	31-MAY-2010 03:35:39	Dark	45.000	31	Alp Gru	1.7340	15200.	90	43130	No
49	GOM_TRA_1PNPDE20100531_034042_000000422089_00491_43130_5413.N1	31-MAY-2010 03:40:42	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43130	No
50	GOM_TRA_1PNPDE20100531_034812_000000442089_00491_43130_5414.N1	31-MAY-2010 03:48:12	Straylight	43.500	147	Alp Ara	2.8770	26000.	87	43130	No
51	GOM_TRA_1PNPDE20100531_034953_000000442089_00491_43130_5415.N1	31-MAY-2010 03:49:53	Straylight	44.000	40	The Sco	1.8590	7100.0	88	43130	No
52	GOM_TRA_1PNPDE20100531_035142_000000482089_00491_43130_5416.N1	31-MAY-2010 03:51:42	Tw_i_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	43130	No
53	GOM_TRA_1PNPDE20100531_035330_000000452089_00491_43130_5417.N1	31-MAY-2010 03:53:30	Tw_i_and_stray	44.500	75	26Eps Sco	2.2910	4250.0	89	43130	No
54	GOM_TRA_1PNPDE20100531_035533_000000572089_00491_43130_5418.N1	31-MAY-2010 03:55:33	Bright	57.000	136	23Tau Sco	2.8220	30000.	114	43130	No
55	GOM_TRA_1PNPDE20100531_035739_000000402089_00491_43130_5419.N1	31-MAY-2010 03:57:39	Bright	40.000	80	7Del Sco	2.3160	30000.	80	43130	No
56	GOM_TRA_1PNPDE20100531_035914_000000472089_00491_43130_5420.N1	31-MAY-2010 03:59:14	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	43130	No
57	GOM_TRA_1PNPDE20100531_040106_000000432089_00491_43130_5421.N1	31-MAY-2010 04:01:06	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	43130	No
58	GOM_TRA_1PNPDE20100531_040318_000000422089_00491_43130_5422.N1	31-MAY-2010 04:03:18	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	43130	No
59	GOM_TRA_1PNPDE20100531_040619_000000382089_00491_43130_5423.N1	31-MAY-2010 04:06:19	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43130	No
60	GOM_TRA_1PNPDE20100531_041215_000000382089_00491_43130_5424.N1	31-MAY-2010 04:12:15	Bright	38.000	67	5Alp CrB	2.2210	11000.	76	43130	No
61	GOM_TRA_1PNPDE20100531_041501_000000442089_00491_43130_5425.N1	31-MAY-2010 04:15:01	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	43130	No
62	GOM_TRA_1PNPDE20100531_042253_000000392089_00491_43130_5426.N1	31-MAY-2010 04:22:53	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	43130	No
63	GOM_TRA_1PNPDE20100531_043322_000000472089_00491_43130_5427.N1	31-MAY-2010 04:33:22	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43130	No
64	GOM_TRA_1PNPDE20100531_043815_000000392089_00491_43130_5428.N1	31-MAY-2010 04:38:15	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	43130	No
65	GOM_TRA_1PNPDE20100531_044557_000000442089_00491_43130_5429.N1	31-MAY-2010 04:45:57	Bright	44.000	53	43Bet And	2.0480	3300.0	88	43130	No
66	GOM_TRA_1PNPDE20100531_044837_000000542089_00491_43130_5430.N1	31-MAY-2010 04:48:37	Tw_i_and_stray	54.000	58	21Alp And	2.0730	11000.	108	43130	No
67	GOM_TRA_1PNPDE20100531_045329_000000492089_00491_43130_5431.N1	31-MAY-2010 04:53:29	Dark	48.500	140	88Gam Peg	2.8340	26000.	97	43130	No
68	GOM_TRA_1PNPDE20100531_050227_000000492089_00491_43130_5432.N1	31-MAY-2010 05:02:27	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	43130	No
69	GOM_TRA_1PNPDE20100531_051100_000000652089_00491_43130_5433.N1	31-MAY-2010 05:11:00	Dark	65.000	18	24Alp PsA	1.1660	9700.0	130	43130	No
70	GOM_TRA_1PNPDE20100531_051425_000000622089_00492_43131_5434.N1	31-MAY-2010 05:14:25	Dark	62.000	63	Bet Gru	2.1500	2800.0	124	43131	No
71	GOM_TRA_1PNPDE20100531_051616_000000472089_00492_43131_5435.N1	31-MAY-2010 05:16:16	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43131	No



72	GOM_TRA_1PNPDE20100531_052118_000000432089_00492_43131_5436.N1	31-MAY-2010 05:21:18	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43131	No
73	GOM_TRA_1PNPDE20100531_052849_000000392089_00492_43131_5437.N1	31-MAY-2010 05:28:49	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	43131	No
74	GOM_TRA_1PNPDE20100531_053030_000000472089_00492_43131_5438.N1	31-MAY-2010 05:30:30	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43131	No
75	GOM_TRA_1PNPDE20100531_053218_000000502089_00492_43131_5439.N1	31-MAY-2010 05:32:18	Tw_i_and_stray	49.500	25	35Lam Sco	1.6200	28000.	99	43131	No
76	GOM_TRA_1PNPDE20100531_053406_000000462089_00492_43131_5440.N1	31-MAY-2010 05:34:06	Tw_i_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	43131	No
77	GOM_TRA_1PNPDE20100531_053610_000000432089_00492_43131_5441.N1	31-MAY-2010 05:36:10	Bright	43.000	136	23Tau Sco	2.8220	30000.	86	43131	No
78	GOM_TRA_1PNPDE20100531_053815_000000412089_00492_43131_5442.N1	31-MAY-2010 05:38:15	Bright	40.500	80	7Del Sco	2.3160	30000.	81	43131	No
79	GOM_TRA_1PNPDE20100531_053950_000000482089_00492_43131_5443.N1	31-MAY-2010 05:39:50	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	43131	No
80	GOM_TRA_1PNPDE20100531_054142_000000442089_00492_43131_5444.N1	31-MAY-2010 05:41:42	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	43131	No
81	GOM_TRA_1PNPDE20100531_054355_000000402089_00492_43131_5445.N1	31-MAY-2010 05:43:55	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	43131	No
82	GOM_TRA_1PNPDE20100531_054655_000000382089_00492_43131_5446.N1	31-MAY-2010 05:46:55	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43131	No
83	GOM_TRA_1PNPDE20100531_055251_000000392089_00492_43131_5447.N1	31-MAY-2010 05:52:51	Bright	38.500	67	5Alp CrB	2.2210	11000.	77	43131	No
84	GOM_TRA_1PNPDE20100531_055536_000000472089_00492_43131_5448.N1	31-MAY-2010 05:55:36	Bright	46.500	133	40Zet Her	2.8070	6000.0	93	43131	No
85	GOM_TRA_1PNPDE20100531_060329_000000412089_00492_43131_5449.N1	31-MAY-2010 06:03:29	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43131	No
86	GOM_TRA_1PNPDE20100531_061358_000000472089_00492_43131_5450.N1	31-MAY-2010 06:13:58	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43131	No
87	GOM_TRA_1PNPDE20100531_203558_000000472089_00501_43140_5553.N1	31-MAY-2010 20:35:58	Straylight	47.000	40	The Sco	1.8590	7100.0	94	43140	No
88	GOM_TRA_1PNPDE20100531_203745_000000472089_00501_43140_5554.N1	31-MAY-2010 20:37:45	Tw_i_and_stray	47.000	25	35Lam Sco	1.6200	28000.	94	43140	No
89	GOM_TRA_1PNPDE20100531_203932_000000492089_00501_43140_5555.N1	31-MAY-2010 20:39:32	Tw_i_and_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	43140	No
90	GOM_TRA_1PNPDE20100531_204135_000000462089_00501_43140_5556.N1	31-MAY-2010 20:41:35	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43140	No
91	GOM_TRA_1PNPDE20100531_204340_000000412089_00501_43140_5557.N1	31-MAY-2010 20:43:40	Bright	41.000	80	7Del Sco	2.3160	30000.	82	43140	No
92	GOM_TRA_1PNPDE20100531_204514_000000472089_00501_43140_5558.N1	31-MAY-2010 20:45:14	Bright	47.000	86	35Eta Oph	2.4300	10200.	94	43140	No
93	GOM_TRA_1PNPDE20100531_204706_000000422089_00501_43140_5559.N1	31-MAY-2010 20:47:06	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	43140	No
94	GOM_TRA_1PNPDE20100531_204918_000000402089_00501_43140_5560.N1	31-MAY-2010 20:49:18	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	43140	No
95	GOM_TRA_1PNPDE20100531_205218_000000372089_00501_43140_5561.N1	31-MAY-2010 20:52:18	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	43140	No
96	GOM_TRA_1PNPDE20100531_205813_000000402089_00501_43140_5562.N1	31-MAY-2010 20:58:13	Bright	40.000	67	5Alp CrB	2.2210	11000.	80	43140	No
97	GOM_TRA_1PNPDE20100531_210055_000000442089_00501_43140_5563.N1	31-MAY-2010 21:00:55	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	43140	No
98	GOM_TRA_1PNPDE20100531_210850_000000402089_00501_43140_5564.N1	31-MAY-2010 21:08:50	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	43140	No
99	GOM_TRA_1PNPDE20100531_211915_000000442089_00501_43140_5565.N1	31-MAY-2010 21:19:15	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43140	No
100	GOM_TRA_1PNPDE20100531_212413_000000482089_00501_43140_5566.N1	31-MAY-2010 21:24:13	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43140	No
101	GOM_TRA_1PNPDE20100531_213157_000000442089_00501_43140_5567.N1	31-MAY-2010 21:31:57	Bright	44.000	53	43Bet And	2.0480	3300.0	88	43140	No
102	GOM_TRA_1PNPDE20100531_213438_000000522089_00501_43140_5568.N1	31-MAY-2010 21:34:38	Tw_i_and_stray	52.000	58	21Alp And	2.0730	11000.	104	43140	No
103	GOM_TRA_1PNPDE20100531_213933_000000502089_00501_43140_5569.N1	31-MAY-2010 21:39:33	Dark	49.500	140	88Gam Peg	2.8340	26000.	99	43140	No
104	GOM_TRA_1PNPDE20100531_221452_000000412090_00001_43141_5570.N1	31-MAY-2010 22:14:52	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	43141	No
105	GOM_TRA_1PNPDE20100531_221633_000000462090_00001_43141_5571.N1	31-MAY-2010 22:16:33	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43141	No
106	GOM_TRA_1PNPDE20100531_221822_000000482090_00001_43141_5572.N1	31-MAY-2010 22:18:22	Tw_i_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	43141	No
107	GOM_TRA_1PNPDE20100531_222008_000000452090_00001_43141_5573.N1	31-MAY-2010 22:20:08	Tw_i_and_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	43141	No
108	GOM_TRA_1PNPDE20100531_222211_000000432090_00001_43141_5574.N1	31-MAY-2010 22:22:11	Bright	43.000	136	23Tau Sco	2.8220	30000.	86	43141	No
109	GOM_TRA_1PNPDE20100531_222416_000000412090_00001_43141_5575.N1	31-MAY-2010 22:24:16	Bright	40.500	80	7Del Sco	2.3160	30000.	81	43141	No
110	GOM_TRA_1PNPDE20100531_222550_000000472090_00001_43141_5576.N1	31-MAY-2010 22:25:50	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	43141	No
111	GOM_TRA_1PNPDE20100531_222742_000000422090_00001_43141_5577.N1	31-MAY-2010 22:27:42	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	43141	No
112	GOM_TRA_1PNPDE20100531_222953_000000422090_00001_43141_5578.N1	31-MAY-2010 22:29:53	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	43141	No
113	GOM_TRA_1PNPDE20100531_223254_000000372090_00001_43141_5579.N1	31-MAY-2010 22:32:54	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	43141	No
114	GOM_TRA_1PNPDE20100531_223849_000000402090_00001_43141_5580.N1	31-MAY-2010 22:38:49	Bright	40.000	67	5Alp CrB	2.2210	11000.	80	43141	No
115	GOM_TRA_1PNPDE20100531_224130_000000432090_00001_43141_5581.N1	31-MAY-2010 22:41:30	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43141	No
116	GOM_TRA_1PNPDE20100531_224925_000000412090_00001_43141_5582.N1	31-MAY-2010 22:49:25	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43141	No
117	GOM_TRA_1PNPDE20100531_225951_000000482090_00001_43141_5583.N1	31-MAY-2010 22:59:51	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43141	No
118	GOM_TRA_1PNPDE20100531_230449_00000052090_00001_43141_5584.N1	31-MAY-2010 23:04:49	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	43141	No
119	GOM_TRA_1PNPDE20100531_231233_000000472090_00001_43141_5585.N1	31-MAY-2010 23:12:33	Bright	46.500	53	43Bet And	2.0480	3300.0	93	43141	No
120	GOM_TRA_1PNPDE20100531_231514_000000512090_00001_43141_5586.N1	31-MAY-2010 23:15:14	Tw_i_and_stray	50.500	58	21Alp And	2.0730	11000.	101	43141	No
121	GOM_TRA_1PNPDE20100531_232009_000000512090_00001_43141_5587.N1	31-MAY-2010 23:20:09	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	43141	No
122	GOM_TRA_1PNPDE20100531_232909_000000492090_00001_43141_5594.N1	31-MAY-2010 23:29:09	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	43141	No
123	GOM_TRA_1PNPDE20100531_233749_000000592090_00001_43141_5595.N1	31-MAY-2010 23:37:49	Dark	58.500	18	24Alp PsA	1.1660	9700.0	117	43141	No
124	GOM_TRA_1PNPDE20100531_234110_000000472090_00002_43142_5596.N1	31-MAY-2010 23:41:10	Dark	47.000	63	Bet Gru	2.1500	2800.0	94	43142	No
125	GOM_TRA_1PNPDE20100531_234301_000000472090_00002_43142_5597.N1	31-MAY-2010 23:43:01	Dark	47.000	31	Alp Gru	1.7340	15200.	94	43142	No
126	GOM_TRA_1PNPDE20100531_234801_000000432090_00002_43142_5598.N1	31-MAY-2010 23:48:01	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43142	No
127	GOM_TRA_1PNPDE20100531_235529_000000402090_00002_43142_5599.N1	31-MAY-2010 23:55:29	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	43142	No
128	GOM_TRA_1PNPDE20100531_235710_000000462090_00002_43142_5600.N1	31-MAY-2010 23:57:10	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43142	No
129	GOM_TRA_1PNPDE20100531_235858_000000452090_00002_43142_5601.N1	31-MAY-2010 23:58:58	Tw_i_and_stray	45.000	25	35Lam Sco	1.6200	28000.	90	43142	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.

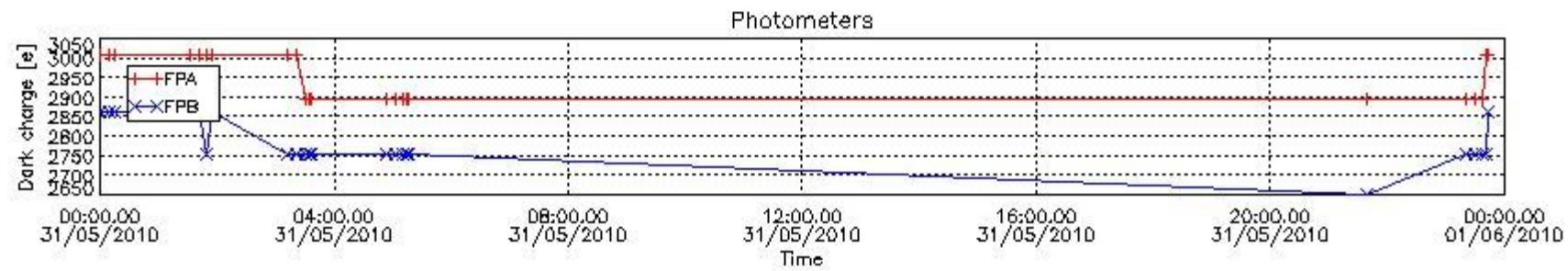
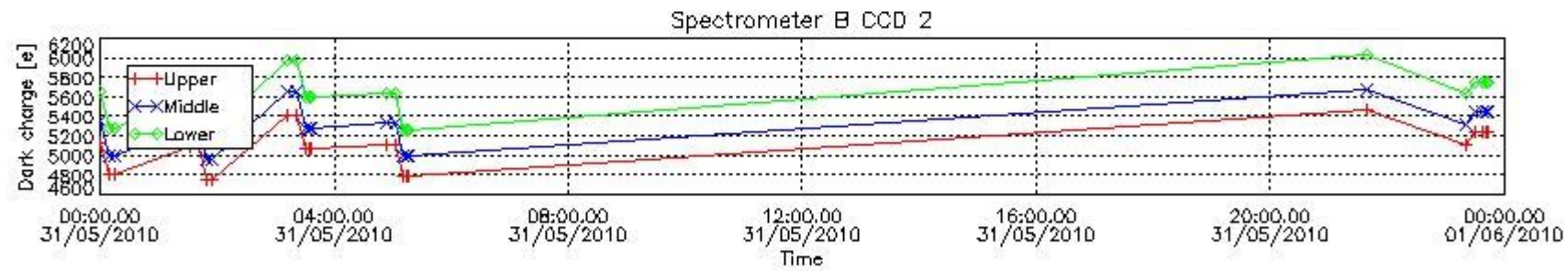
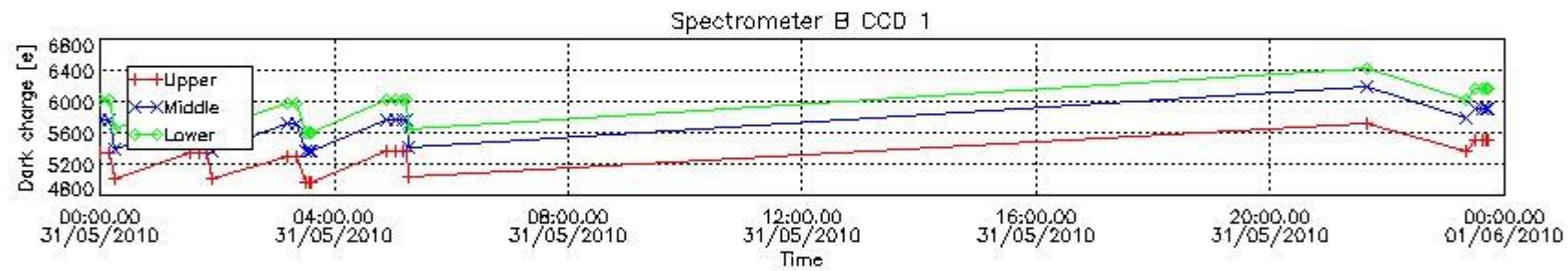
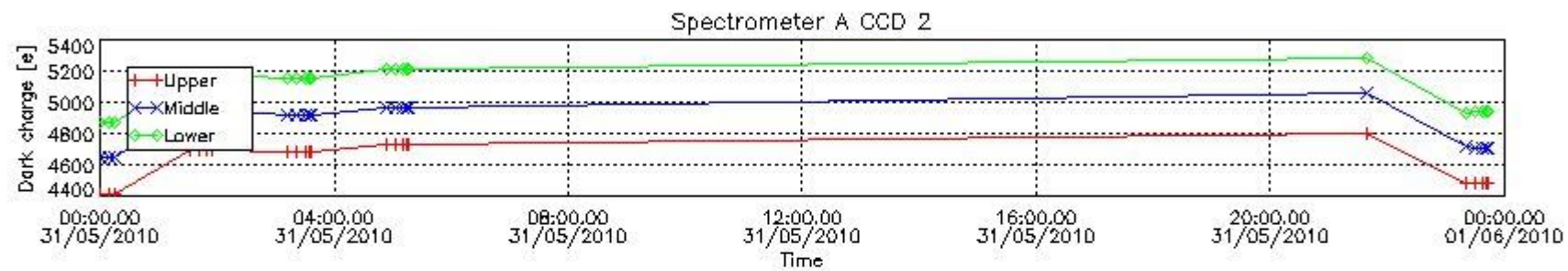
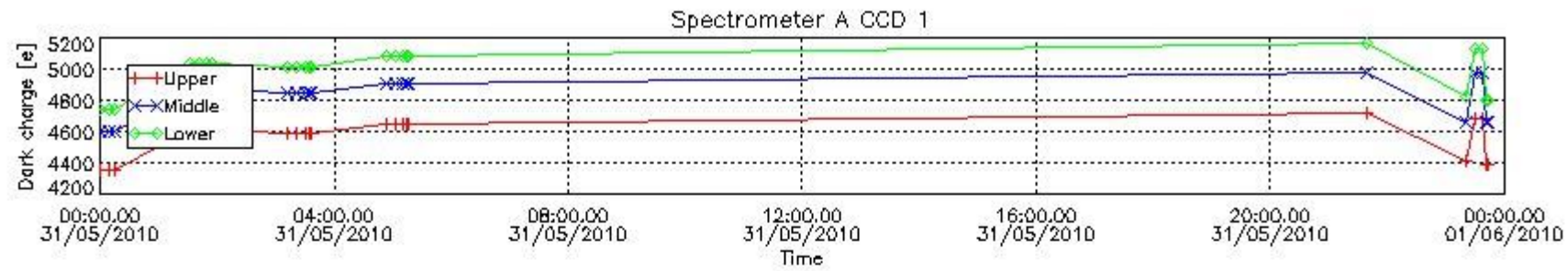
#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100531_203558_000000472089_00501_43140_5553.N1	DC map used
GOM_TRA_1PNPDE20100531_203745_000000472089_00501_43140_5554.N1	DC map used
GOM_TRA_1PNPDE20100531_203932_000000492089_00501_43140_5555.N1	DC map used
GOM_TRA_1PNPDE20100531_204135_000000462089_00501_43140_5556.N1	DC map used
GOM_TRA_1PNPDE20100531_204340_000000412089_00501_43140_5557.N1	DC map used
GOM_TRA_1PNPDE20100531_204514_000000472089_00501_43140_5558.N1	DC map used
GOM_TRA_1PNPDE20100531_204706_000000422089_00501_43140_5559.N1	DC map used
GOM_TRA_1PNPDE20100531_204918_000000402089_00501_43140_5560.N1	DC map used
GOM_TRA_1PNPDE20100531_205218_000000372089_00501_43140_5561.N1	DC map used
GOM_TRA_1PNPDE20100531_205813_000000402089_00501_43140_5562.N1	DC map used
GOM_TRA_1PNPDE20100531_210055_000000442089_00501_43140_5563.N1	DC map used

GOM_TRA_1PNPDE20100531_210850_000000402089_00501_43140_5564.N1	DC map used
GOM_TRA_1PNPDE20100531_211915_000000442089_00501_43140_5565.N1	DC map used
GOM_TRA_1PNPDE20100531_212413_000000482089_00501_43140_5566.N1	DC map used
GOM_TRA_1PNPDE20100531_213157_000000442089_00501_43140_5567.N1	DC map used
GOM_TRA_1PNPDE20100531_213438_000000522089_00501_43140_5568.N1	DC map used
GOM_TRA_1PNPDE20100531_213933_000000502089_00501_43140_5569.N1	DC map used
GOM_TRA_1PNPDE20100531_221452_000000412090_00001_43141_5570.N1	DC map used
GOM_TRA_1PNPDE20100531_221633_000000462090_00001_43141_5571.N1	DC map used
GOM_TRA_1PNPDE20100531_221822_000000482090_00001_43141_5572.N1	DC map used
GOM_TRA_1PNPDE20100531_222008_000000452090_00001_43141_5573.N1	DC map used
GOM_TRA_1PNPDE20100531_222211_000000432090_00001_43141_5574.N1	DC map used
GOM_TRA_1PNPDE20100531_222416_000000412090_00001_43141_5575.N1	DC map used
GOM_TRA_1PNPDE20100531_222550_000000472090_00001_43141_5576.N1	DC map used
GOM_TRA_1PNPDE20100531_222742_000000422090_00001_43141_5577.N1	DC map used
GOM_TRA_1PNPDE20100531_222953_000000422090_00001_43141_5578.N1	DC map used
GOM_TRA_1PNPDE20100531_223254_000000372090_00001_43141_5579.N1	DC map used
GOM_TRA_1PNPDE20100531_223849_000000402090_00001_43141_5580.N1	DC map used
GOM_TRA_1PNPDE20100531_224130_000000432090_00001_43141_5581.N1	DC map used
GOM_TRA_1PNPDE20100531_224925_000000412090_00001_43141_5582.N1	DC map used
GOM_TRA_1PNPDE20100531_225951_000000482090_00001_43141_5583.N1	DC map used
GOM_TRA_1PNPDE20100531_230449_000000552090_00001_43141_5584.N1	DC map used
GOM_TRA_1PNPDE20100531_231233_000000472090_00001_43141_5585.N1	DC map used
GOM_TRA_1PNPDE20100531_231514_000000512090_00001_43141_5586.N1	DC map used
GOM_TRA_1PNPDE20100531_232009_000000512090_00001_43141_5587.N1	DC map used

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





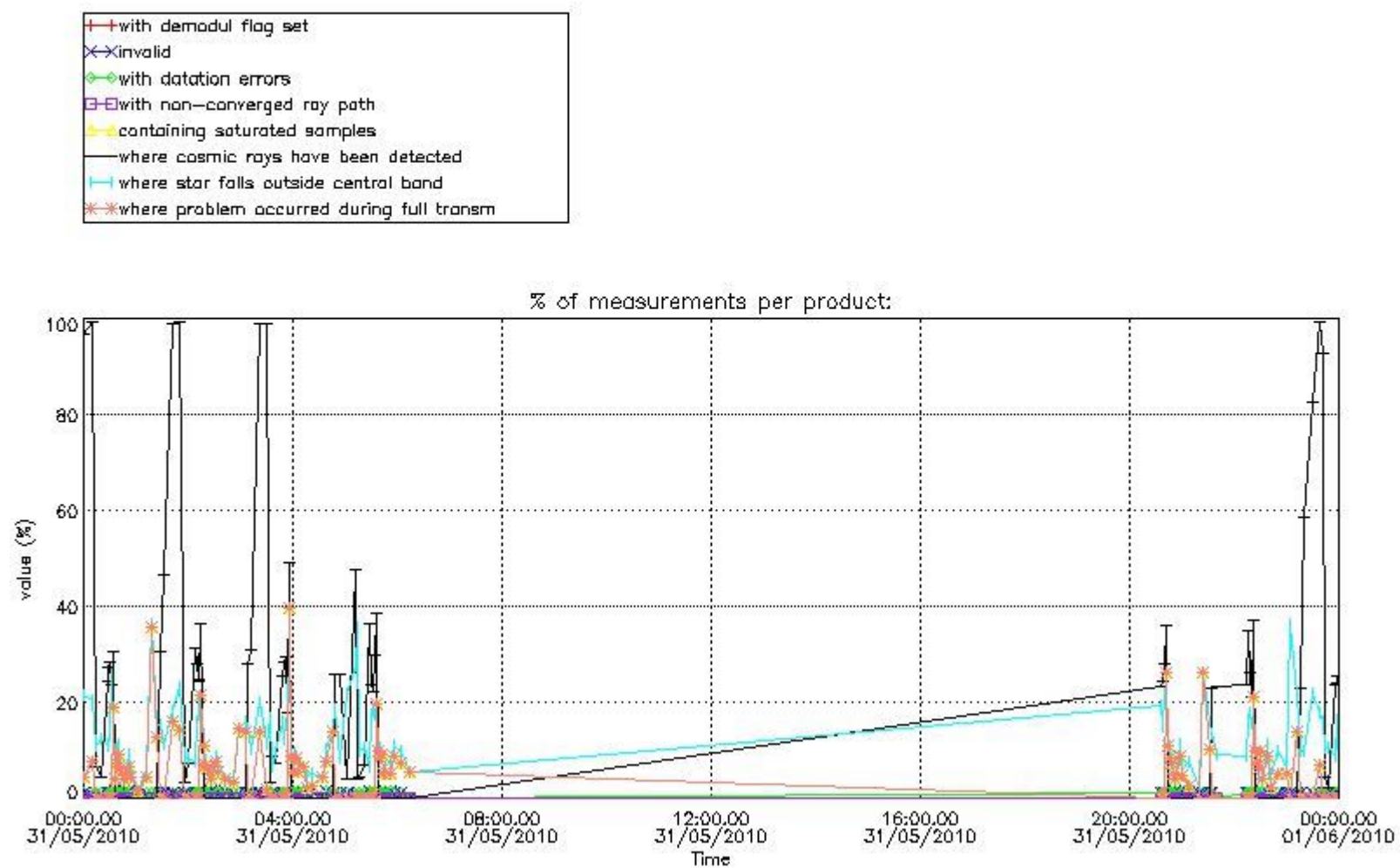
## 5. Demodulation flag and quality information monitoring

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:

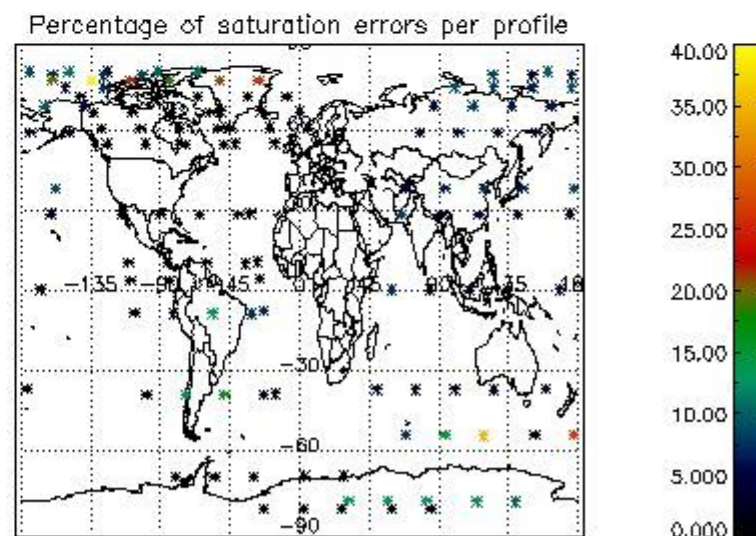
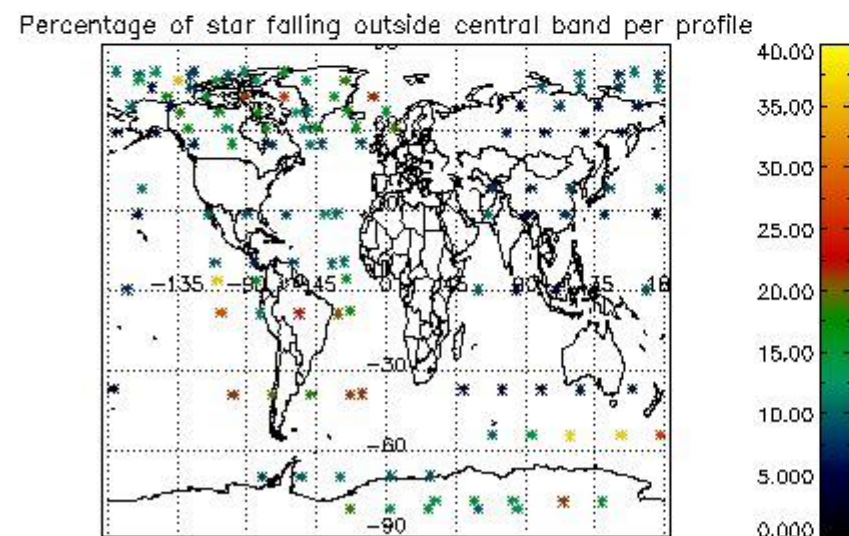
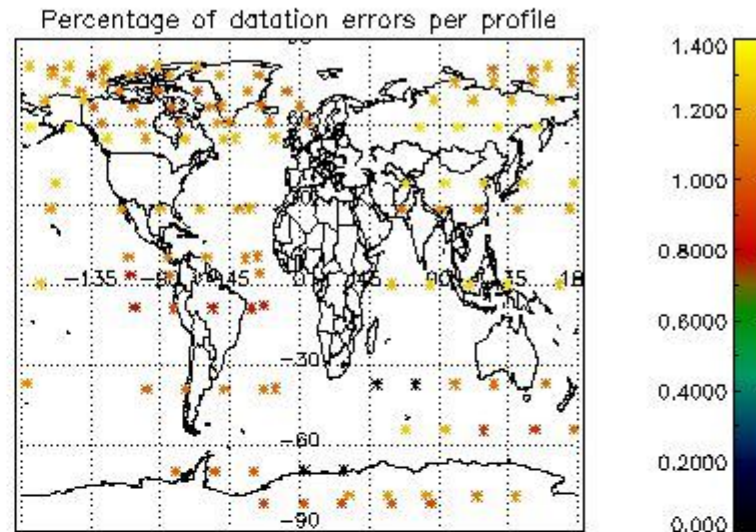
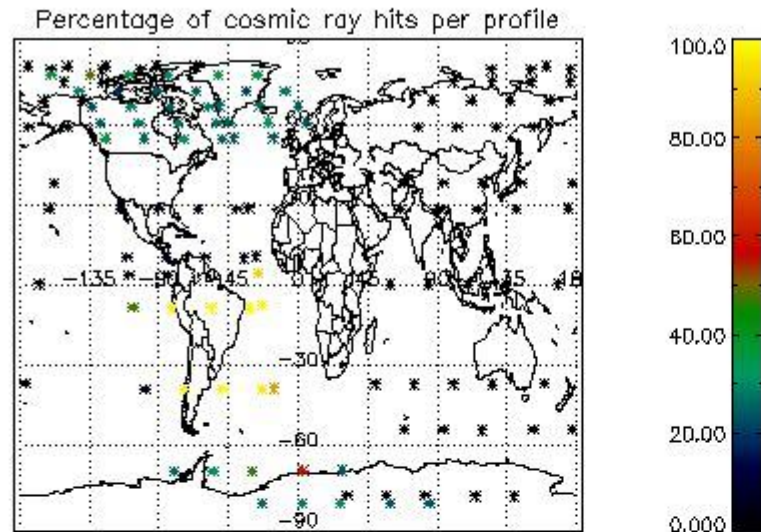
At least one measurement with demodulation flag set:	41.0853 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)





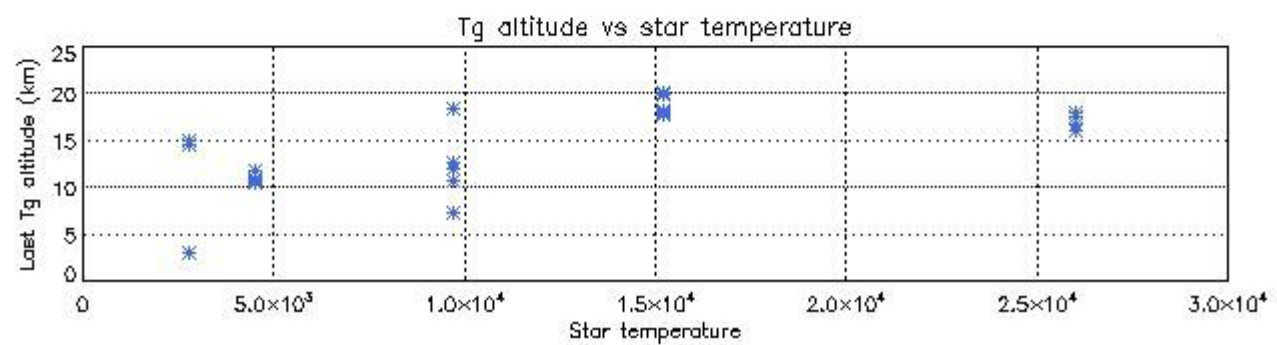
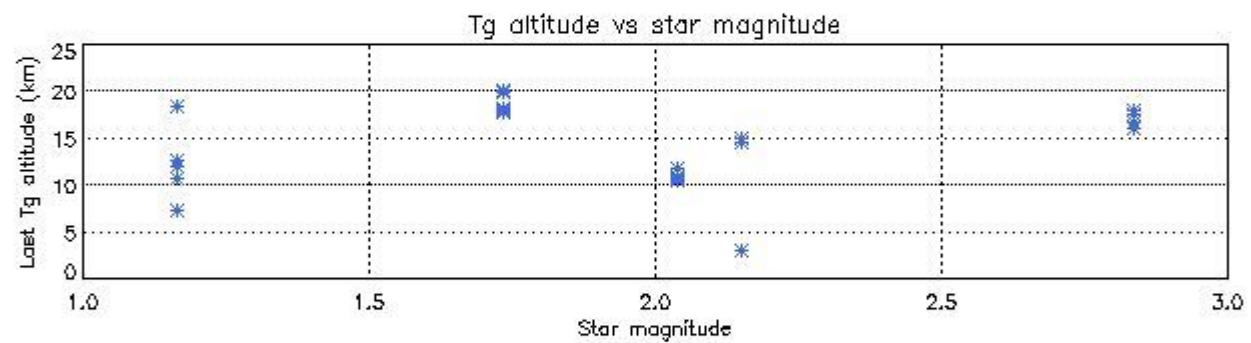
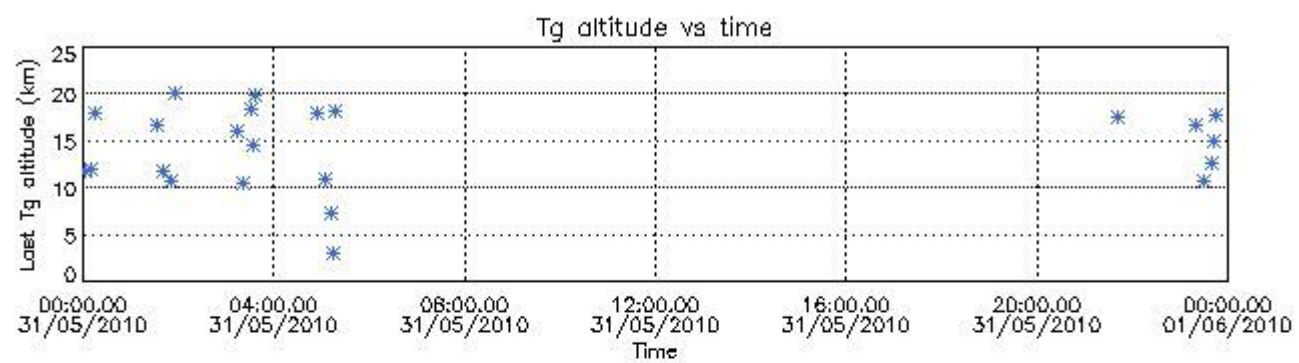
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.253	18.029	NaN
St. deviation:	4.3162	4.2944	NaN
Maximum:	20.078	27.065	NaN
Minimum:	3.0056	3.9113	NaN
Number of data:	23.000	70.000	NaN

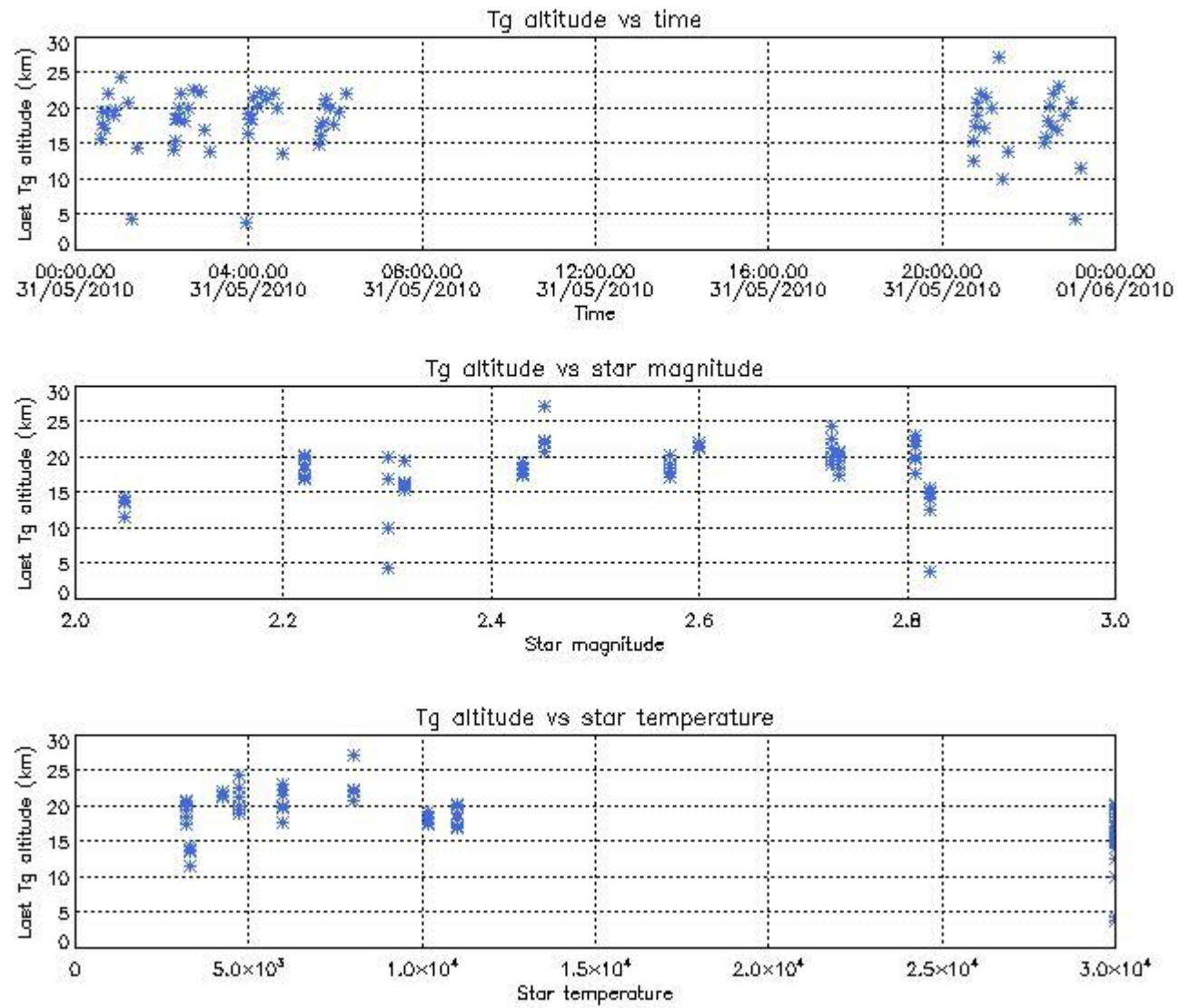
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



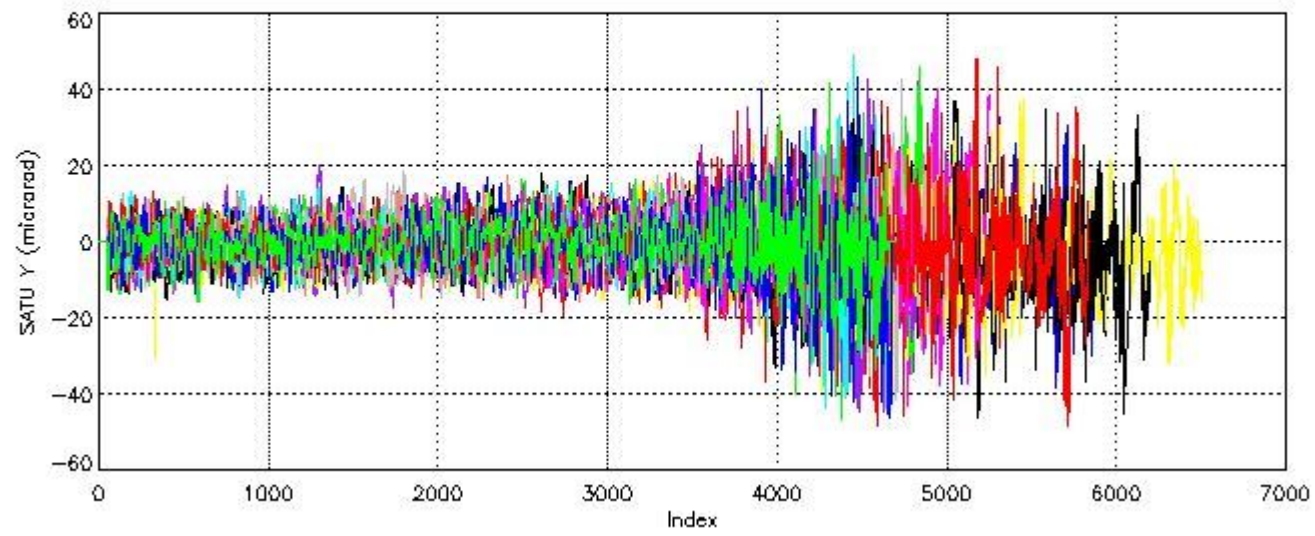
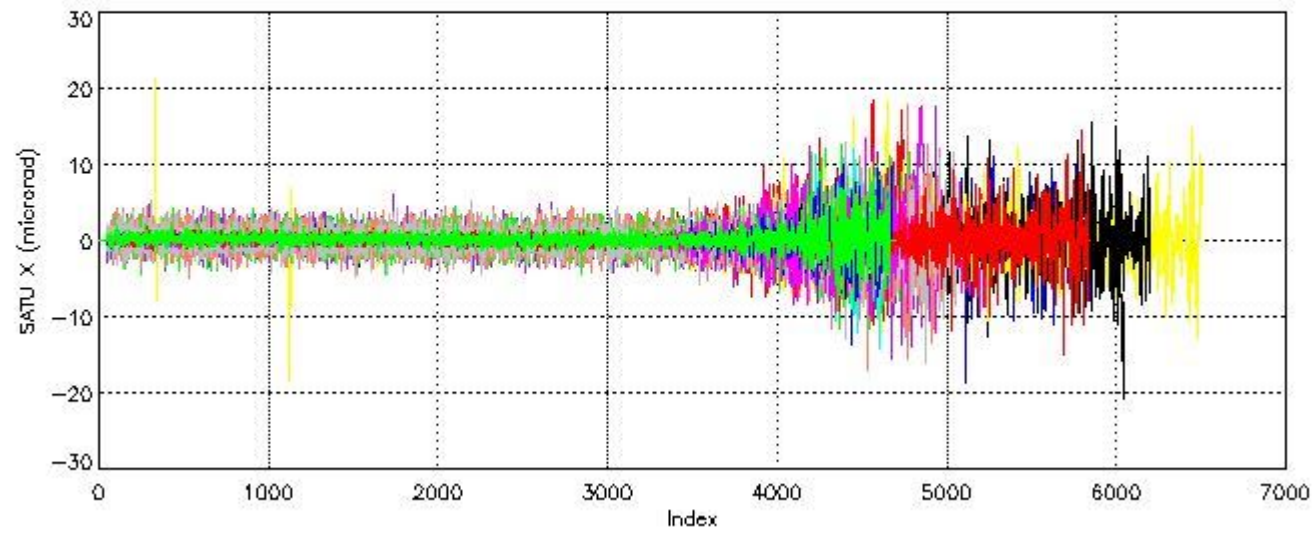
## 7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

### 7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.





## 7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.20658	-0.79048	0.21164	-0.77927
St. deviation:	0.63266	4.2360	0.81752	4.1568
Maximum:	21.100	14.500	5.1000	16.300
Minimum:	-7.9000	-31.000	-5.2000	-17.400

Number of data:	25050.	25050.	67550.	67550.
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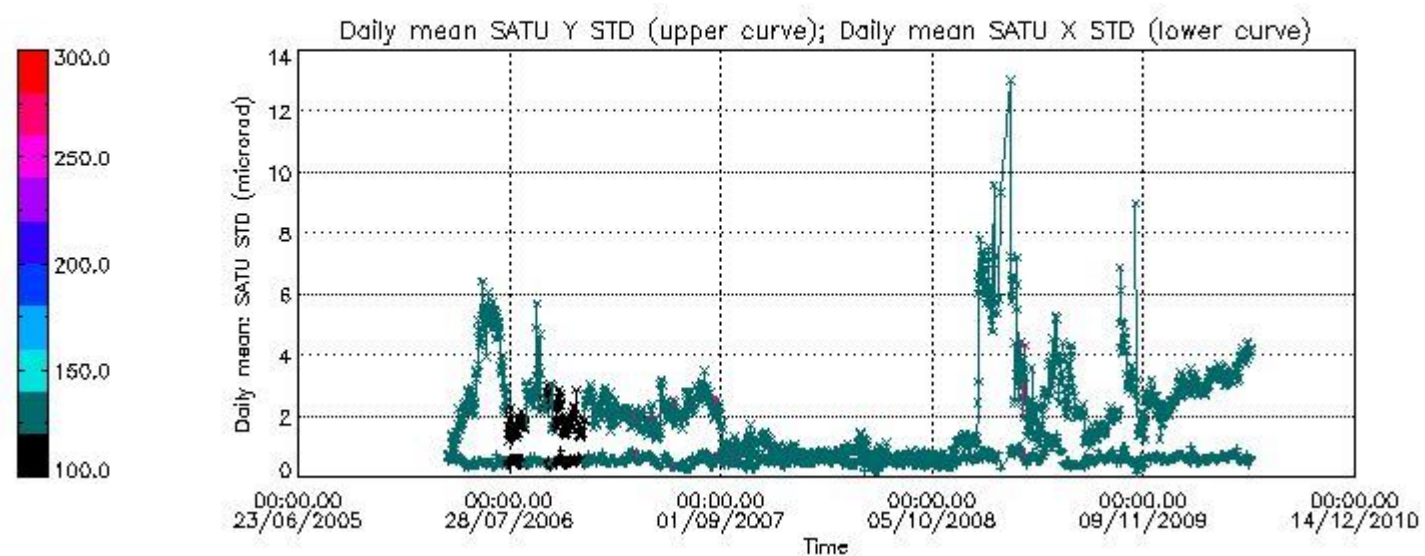
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

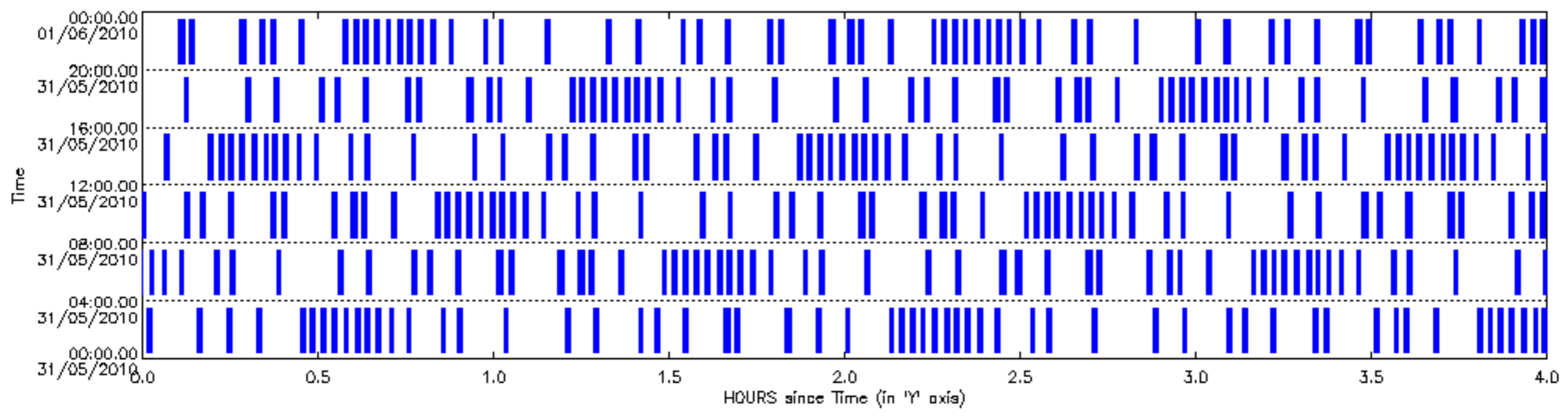
Lower curve: STD of SATU X axis



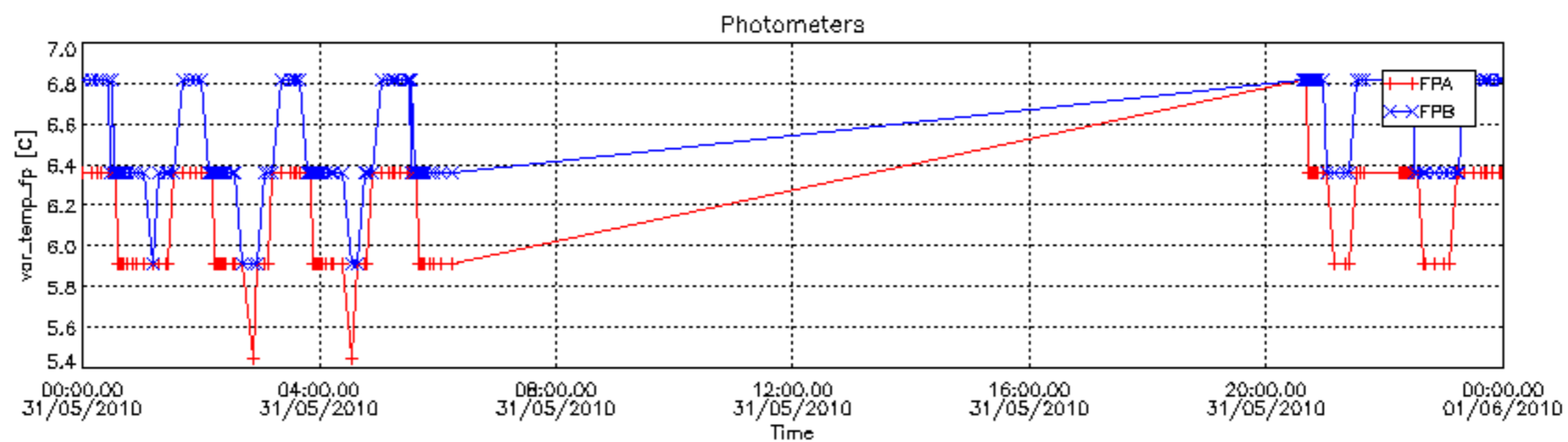
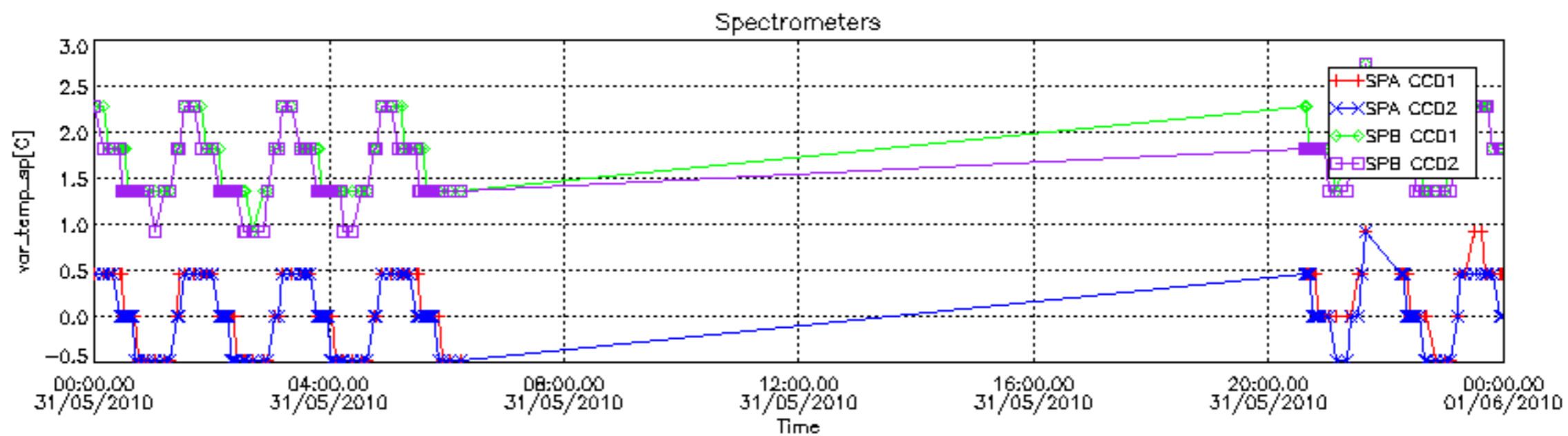
### 8. Auxiliary Data Files used for the production reported in section 2.4

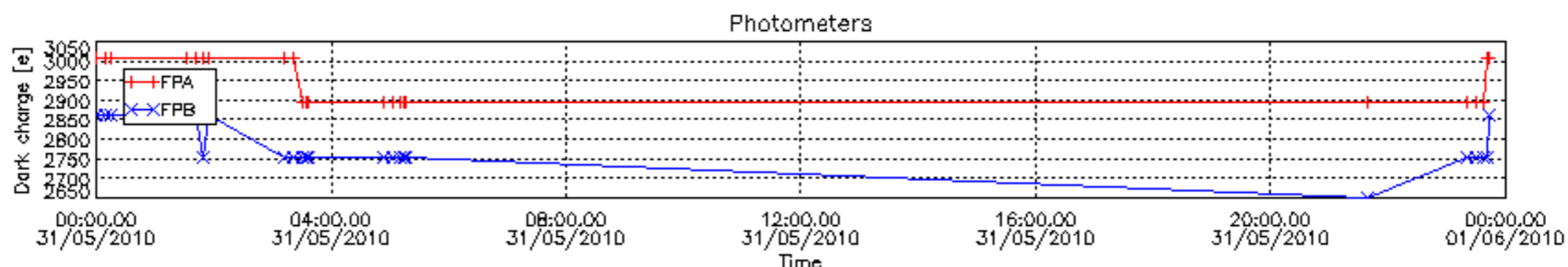
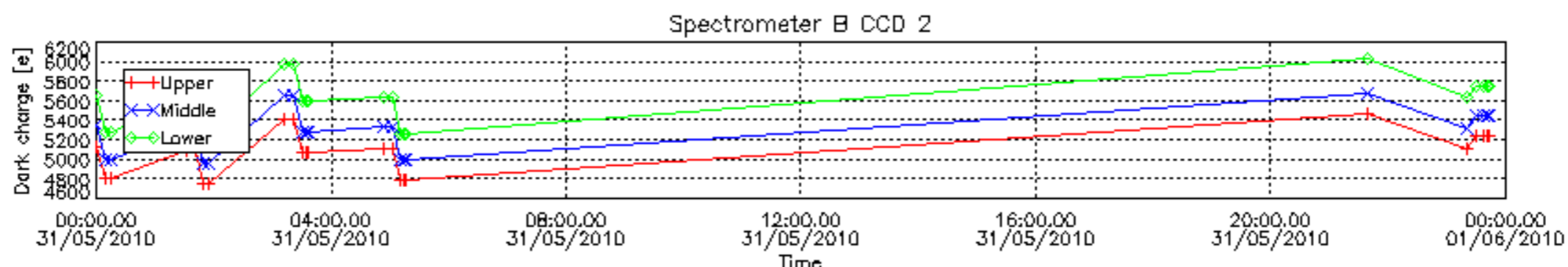
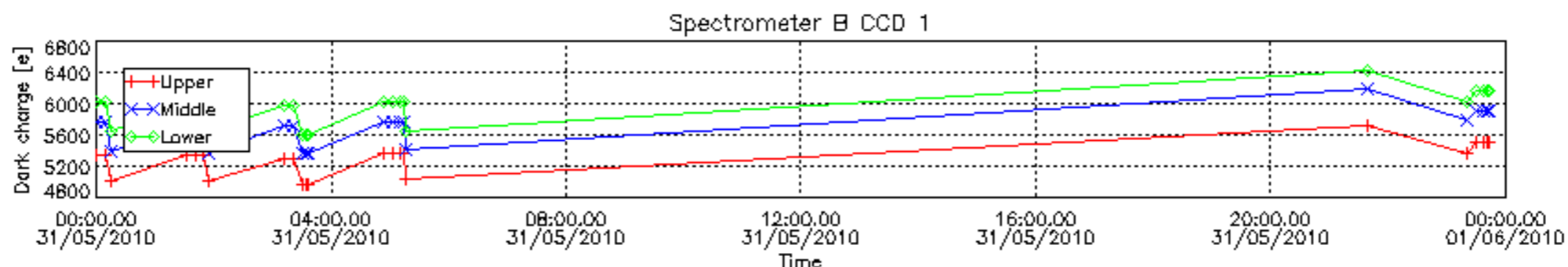
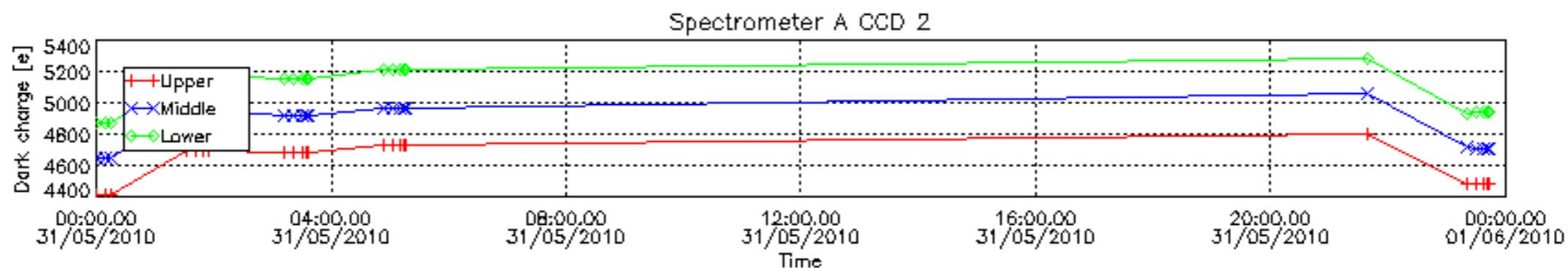
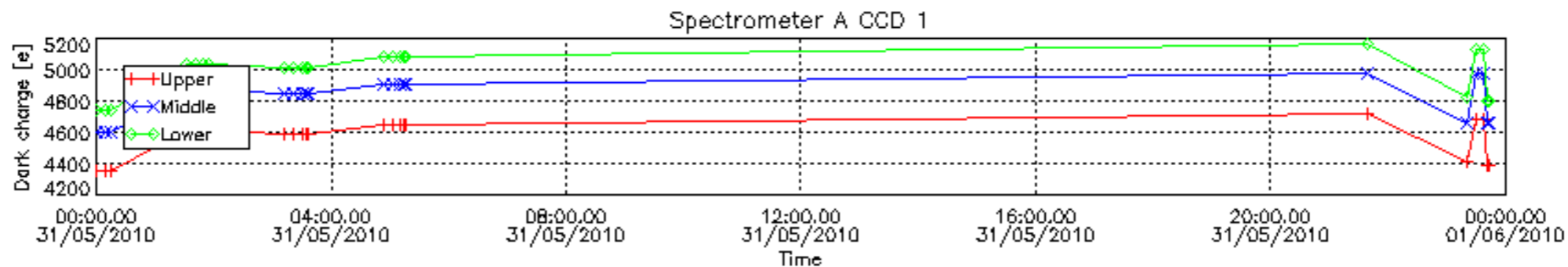
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

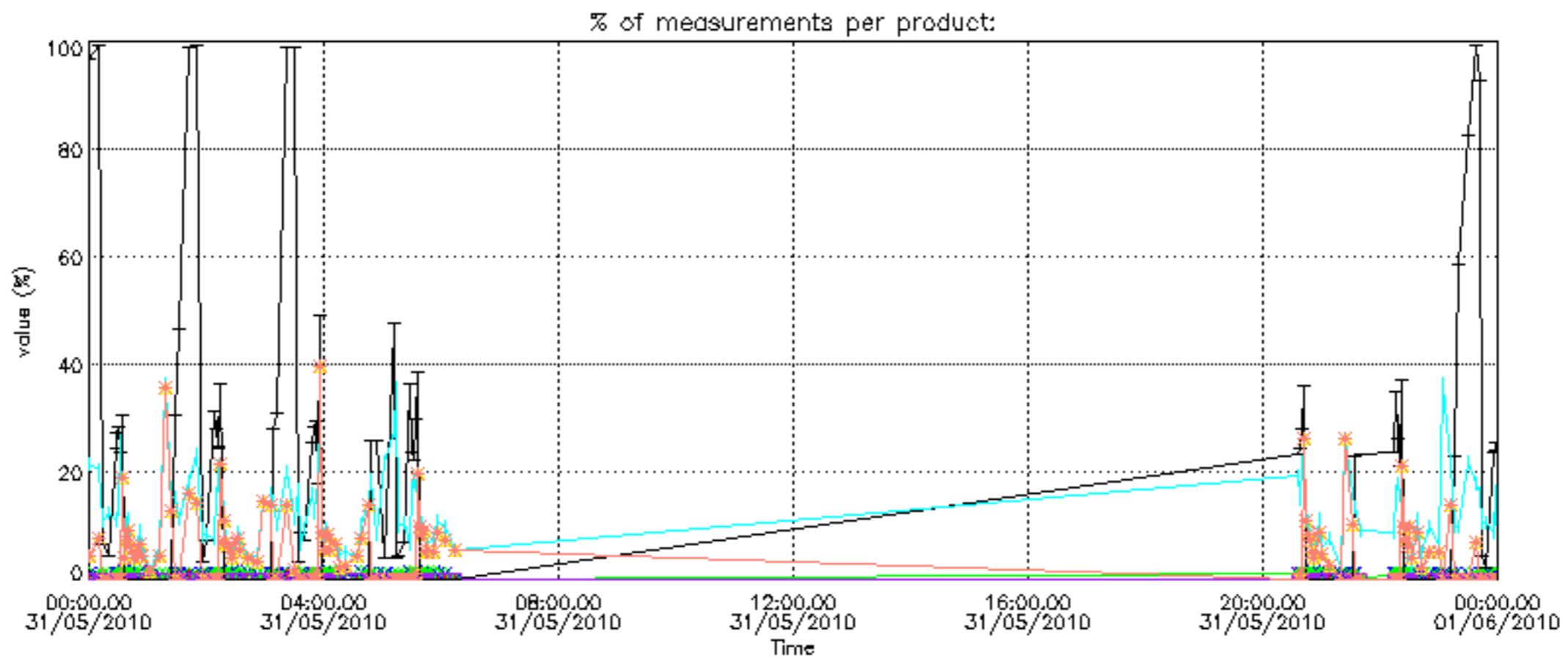
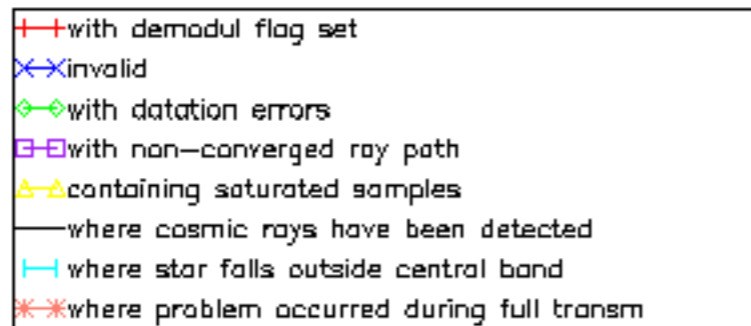
Type	Auxiliary Filename	Used since product	Used since product date
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100526_084407_20100525_000000_20500101_000000	1	31-MAY-2010 00:00:38
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	31-MAY-2010 00:00:38
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	31-MAY-2010 00:00:38
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	31-MAY-2010 00:00:38
ECMWF_FILE	AUX_ECF_AXNECM20100530_054113_20100530_210000_20100531_090000	1	31-MAY-2010 00:00:38
ECMWF_FILE	AUX_ECA_AXNECM20100531_052112_20100530_210000_20100531_090000	64	31-MAY-2010 04:38:15
ECMWF_FILE	AUX_ECF_AXNECM20100531_052113_20100531_150000_20100601_030000	87	31-MAY-2010 20:35:58
ECMWF_FILE	AUX_ECF_AXNECM20100531_054113_20100531_210000_20100601_090000	104	31-MAY-2010 22:14:52
OPTIONAL_ECMWF_FILE	MISSING	1	31-MAY-2010 00:00:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100530_235731_000057382089_00488_43127_0456.N1	1	31-MAY-2010 00:00:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100531_013828_000038252089_00489_43128_0457.N1	23	31-MAY-2010 01:41:14
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100530_092114_20100529_194122_20100608_210736	40	31-MAY-2010 02:52:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100531_043348_000054192089_00491_43130_0459.N1	64	31-MAY-2010 04:38:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100531_203529_000038252089_00501_43140_0460.N1	87	31-MAY-2010 20:35:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100531_221107_000041442090_00001_43141_0461.N1	104	31-MAY-2010 22:14:52
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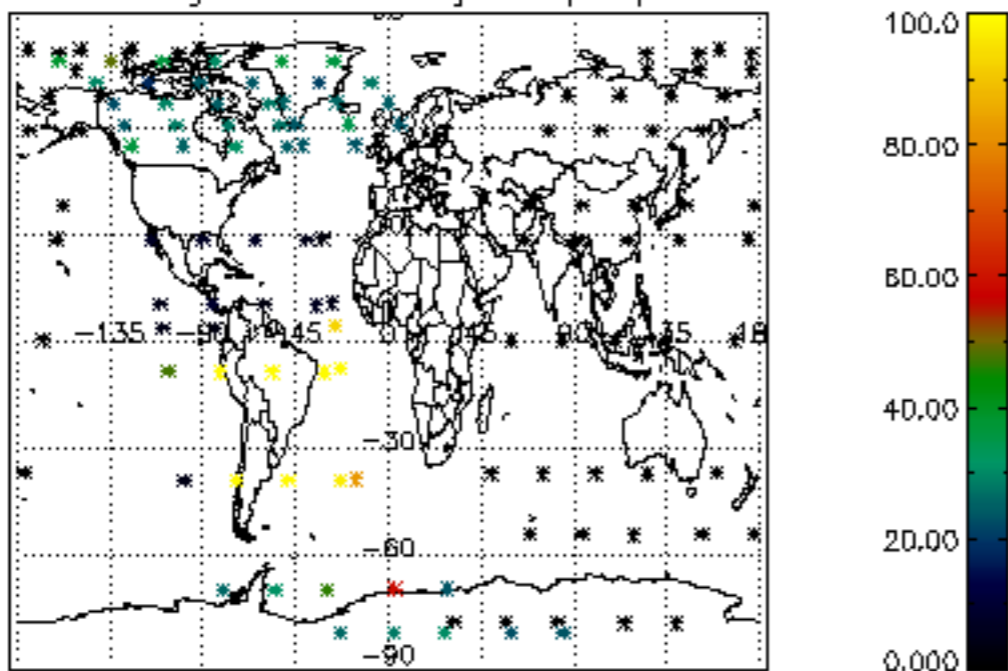




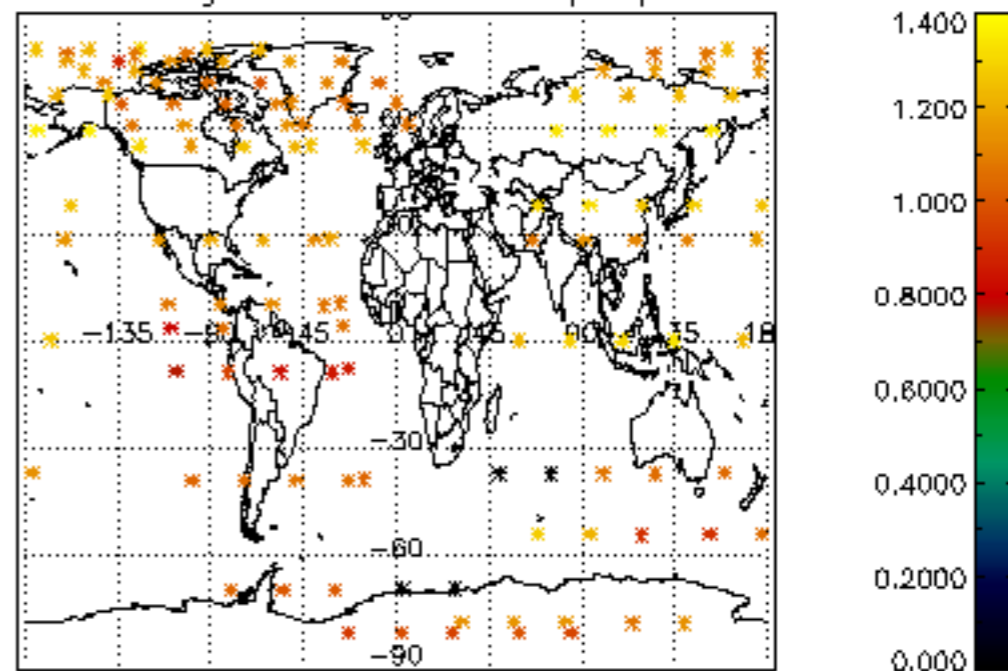




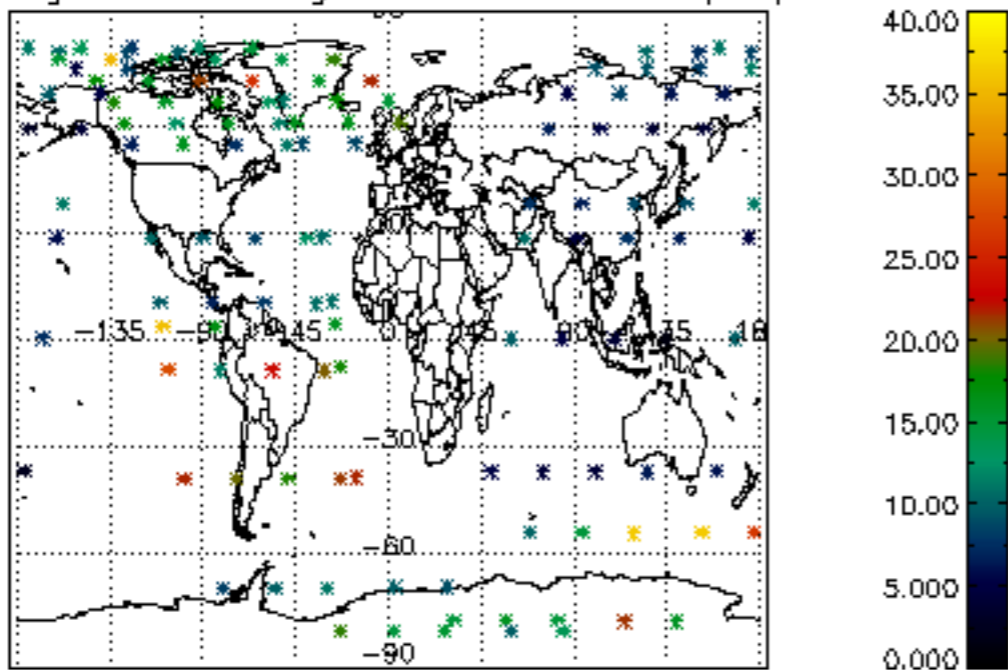
Percentage of cosmic ray hits per profile



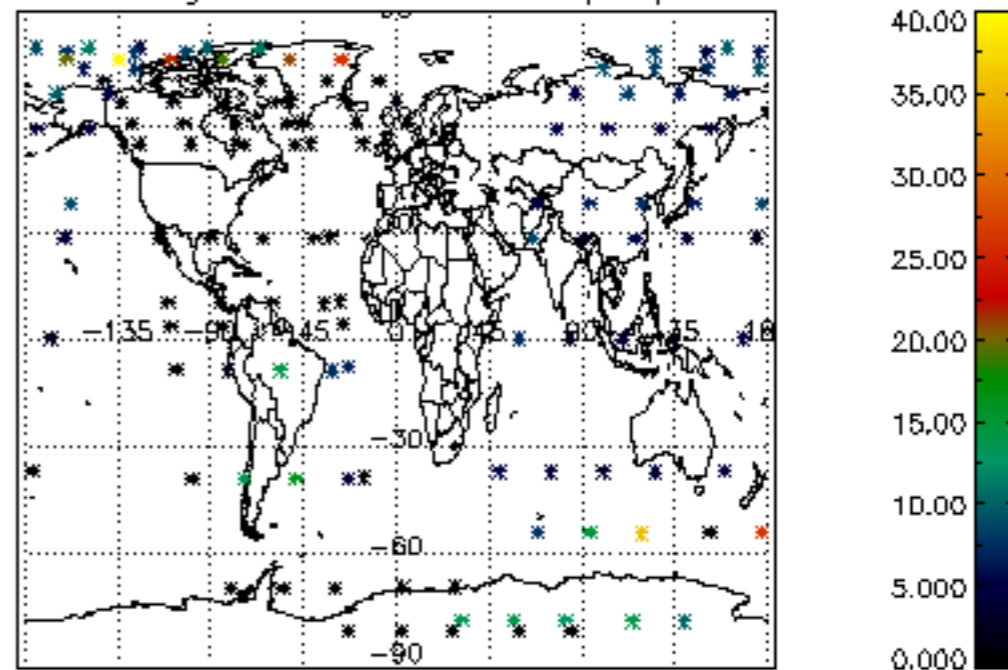
Percentage of datation errors per profile



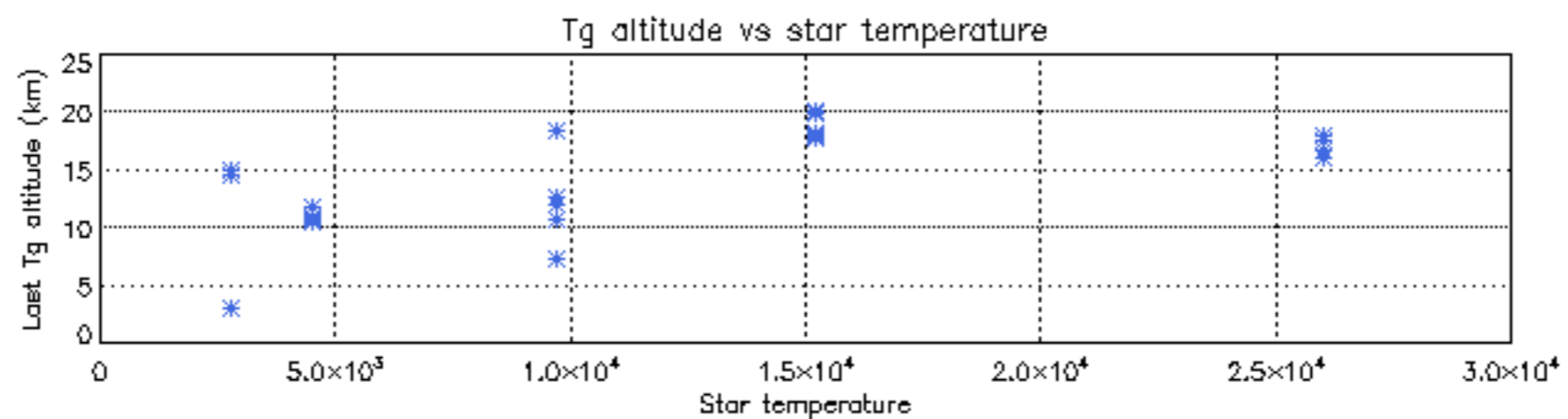
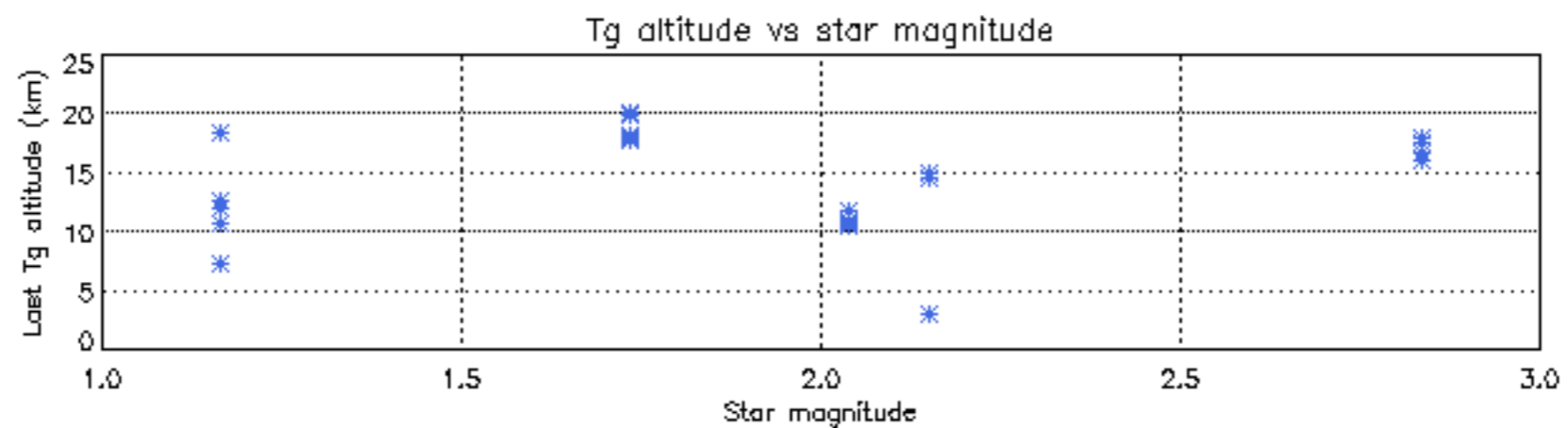
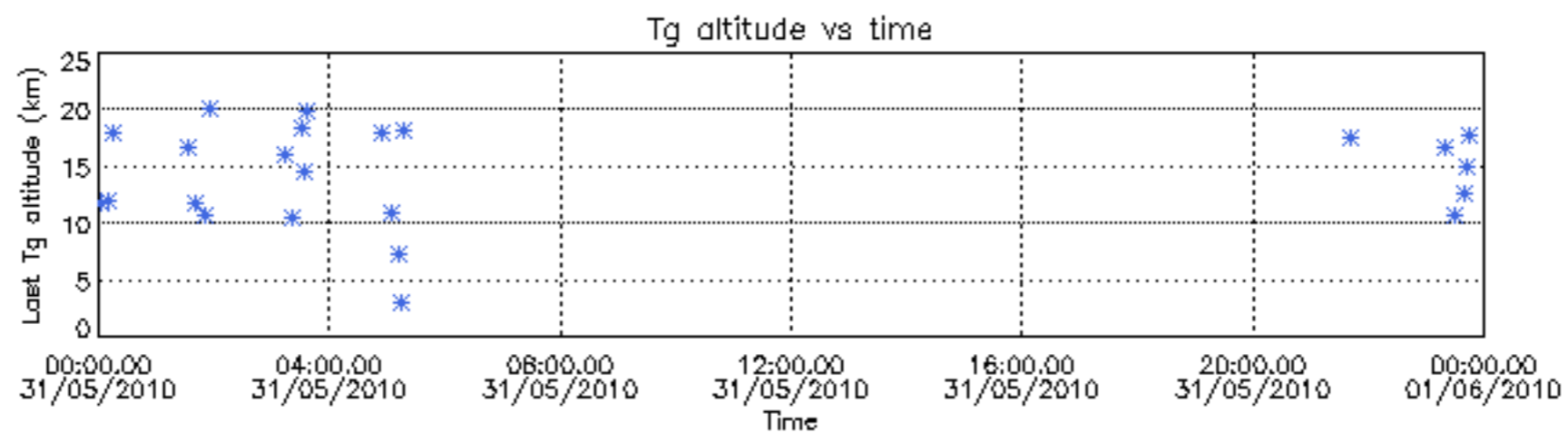
Percentage of star falling outside central band per profile



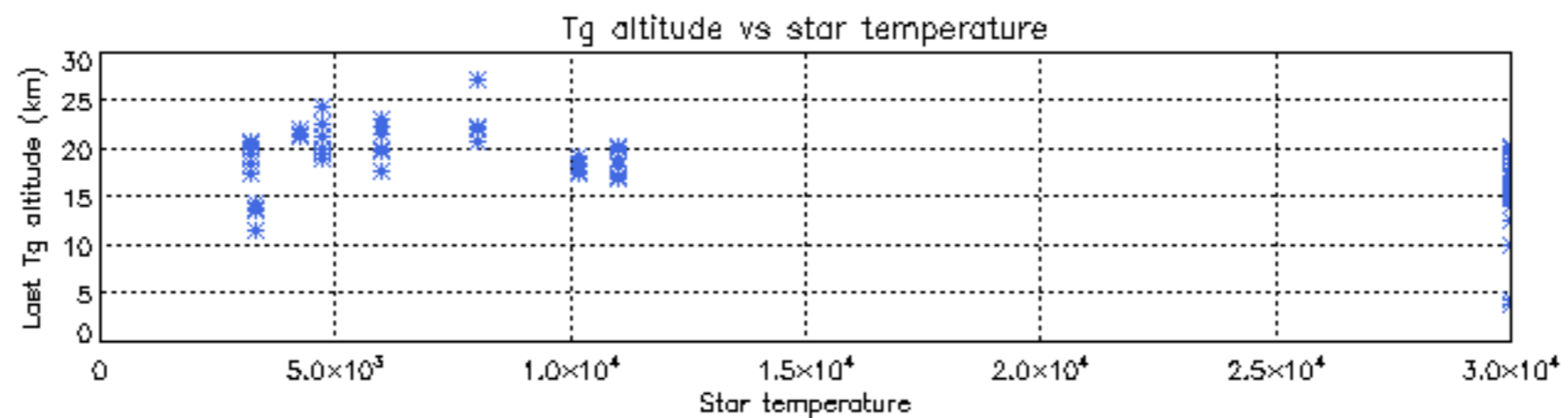
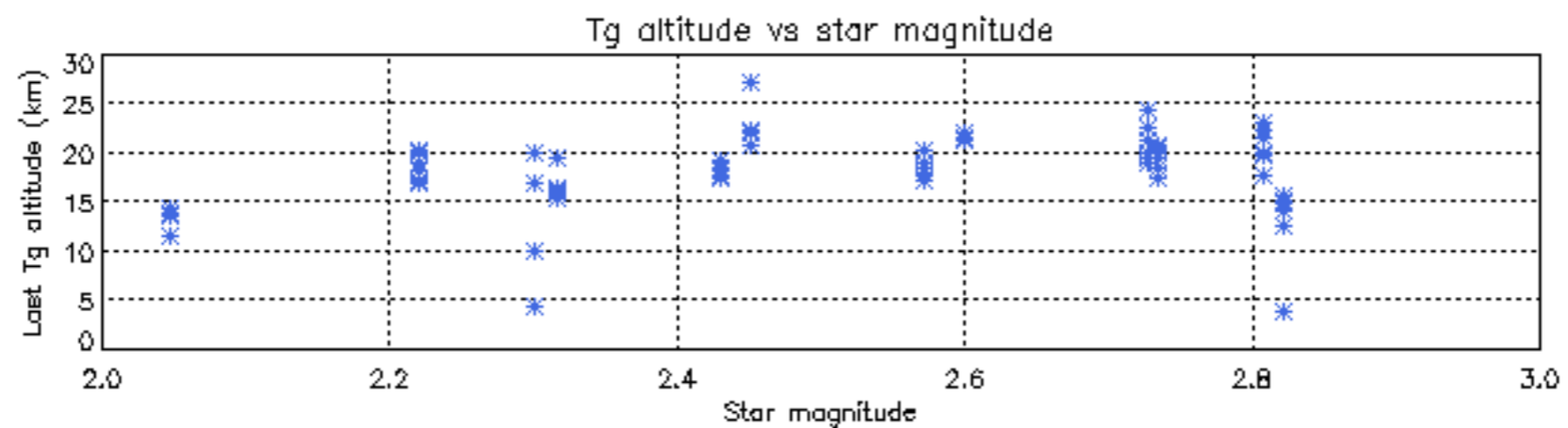
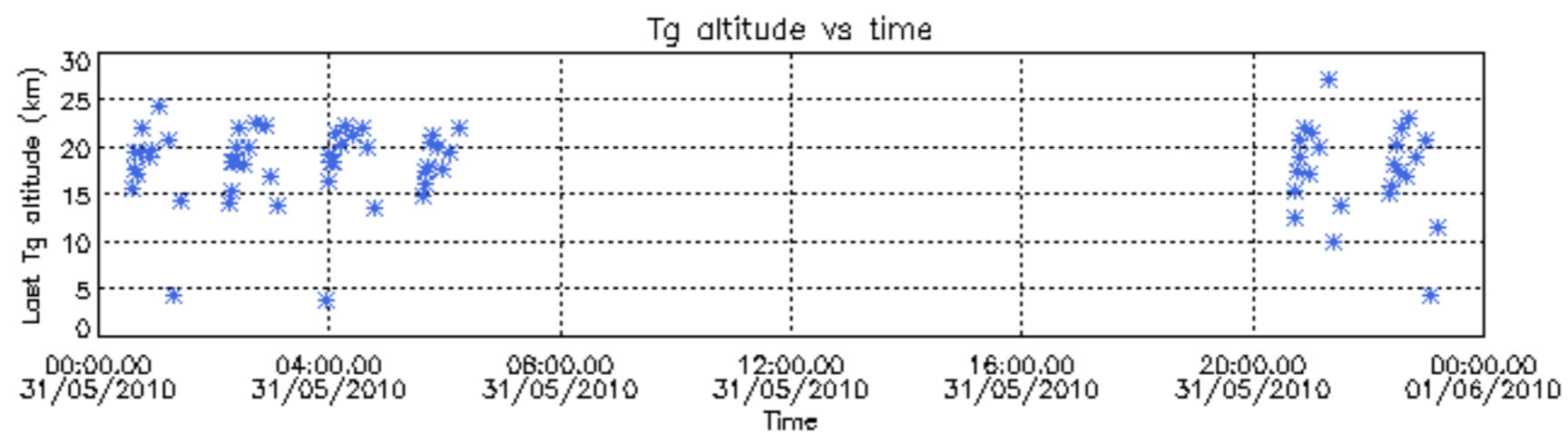
Percentage of saturation errors per profile

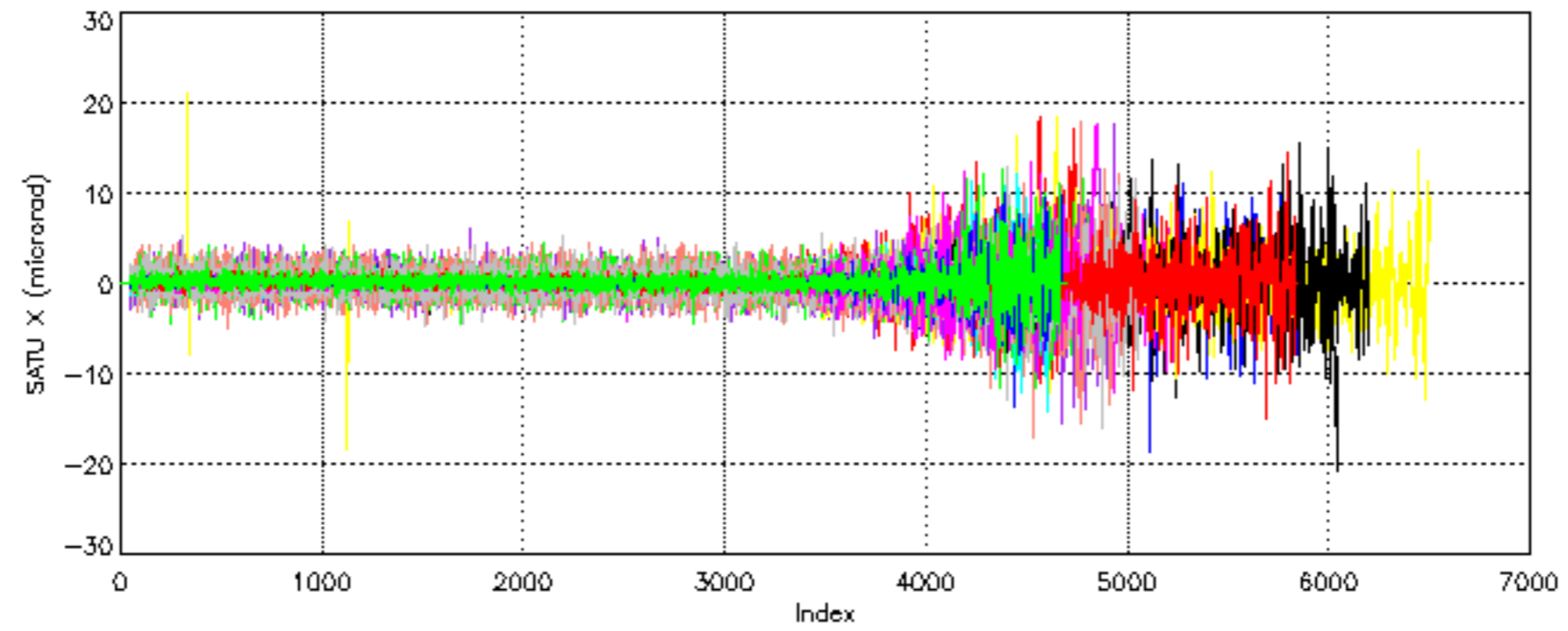


Tangent altitude at which the star is lost

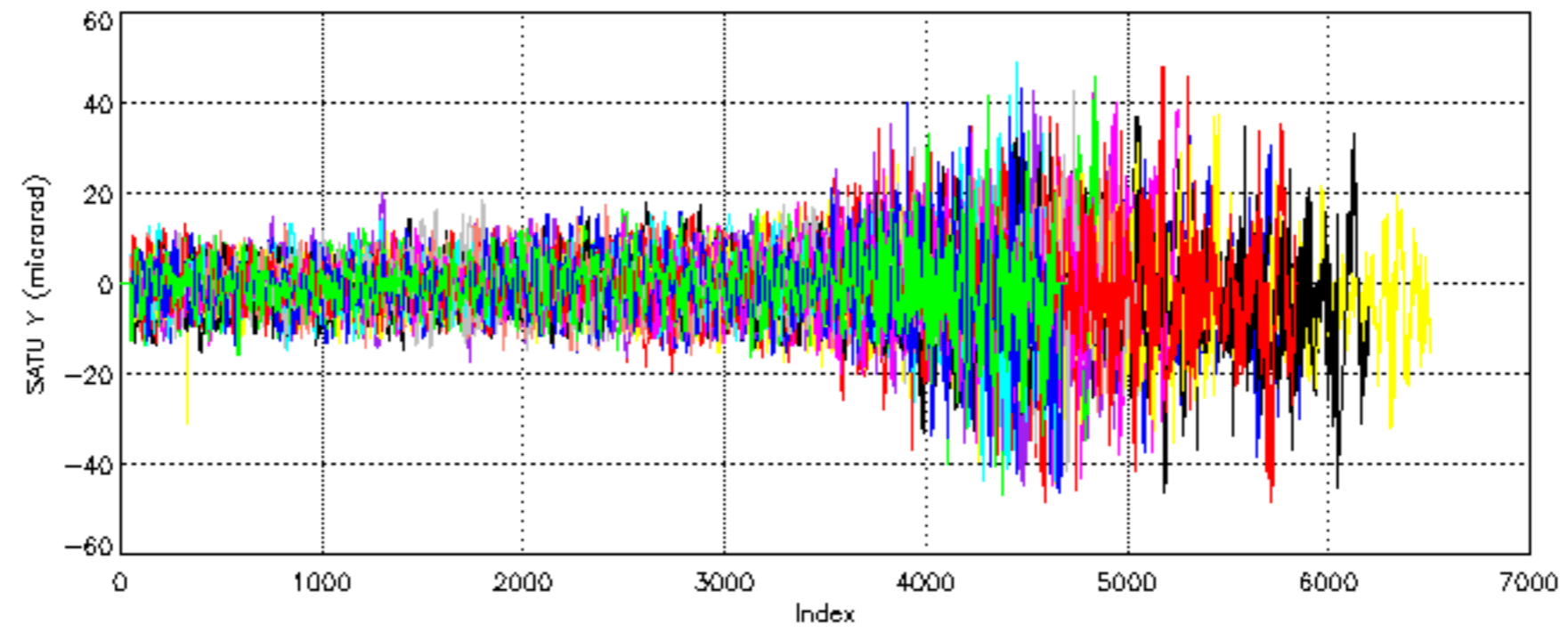


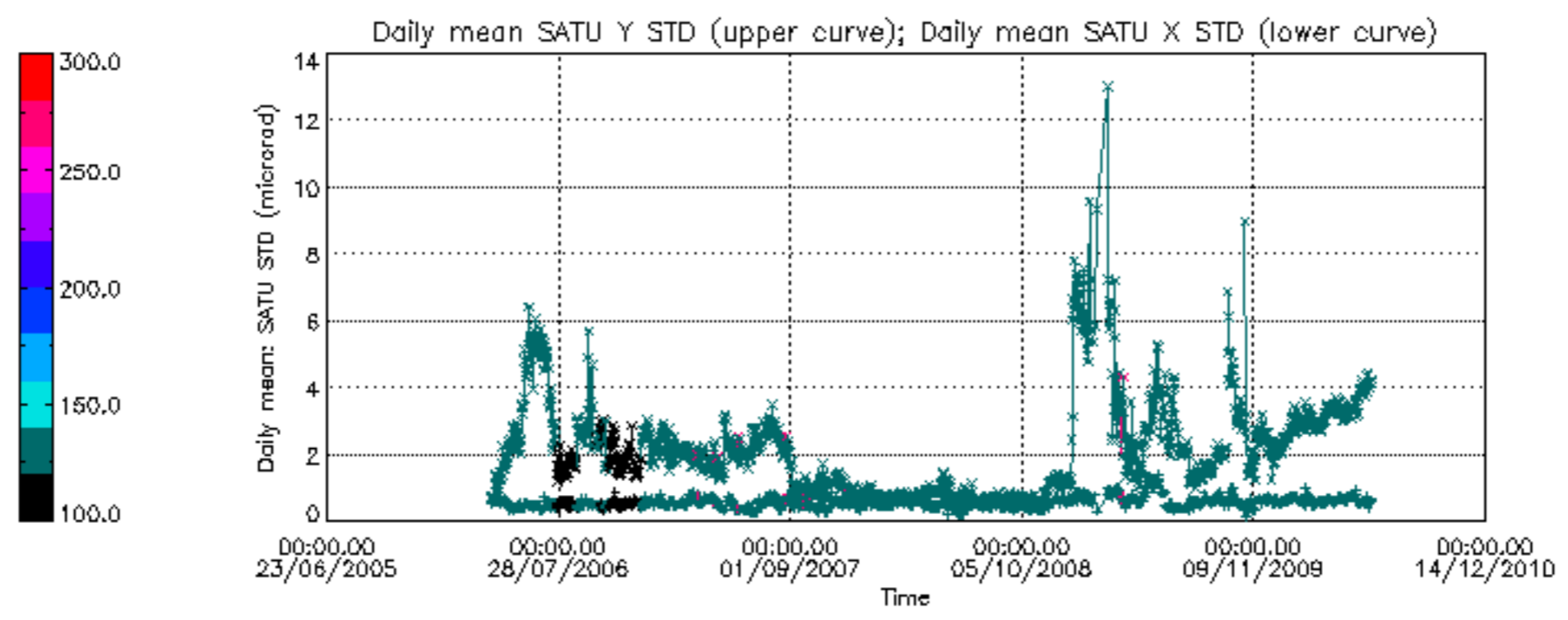
Tangent altitude at which the star is lost











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 4; 745.6; 01-MAY-2010 01:07:04; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42699  
 5; 850.6; 01-MAY-2010 01:08:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42699  
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 7; 1264.4; 01-MAY-2010 01:15:43; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42699  
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5; 1591.3; 01-MAY-2010 19:47:46; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42710
6; 1727.9; 01-MAY-2010 19:50:02; Bright; 48.0; 104; 27Bet Lib ; 2.61; 13100;occ; 96; 0;42710
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5; 3200.4; 02-MAY-2010 07:58:46; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42717
6; 3823.5; 02-MAY-2010 08:09:09; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;42717
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8; 4779.1; 02-MAY-2010 08:25:05; Dark ; 46.5; 90; 54Alp Peg ; 2.49; 11000;occ; 93; 0;42717
9; 5046.2; 02-MAY-2010 08:29:32; Dark ; 67.5; 61; 8Eps Peg ; 2.10; 3900;occ; 135; 0;42717
10; 5191.3; 02-MAY-2010 08:31:57; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42717
11; 5421.7; 02-MAY-2010 08:35:47; Dark ; 62.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 124; 0;42717
12; 5577.4; 02-MAY-2010 08:38:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42717
13; 5809.3; 02-MAY-2010 08:42:15; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42717
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6; 3198.6; 02-MAY-2010 13:00:32; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;42720
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 6; 3157.2; 07-MAY-2010 10:21:46; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42790
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17; 6744.1; 09-MAY-2010 15:20:07; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42822

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5; 2585.1; 11-MAY-2010 08:05:46; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42846
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 6; 726.8; 12-MAY-2010 00:20:47; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;42856
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11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
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13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
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 5; 1725.5; 12-MAY-2010 17:23:25; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42866
 6; 2063.0; 12-MAY-2010 17:29:02; Bright; 31.0; 102; 24Alp Ser ; 2.60; 4250;occ; 62; 0;42866
 7; 2236.4; 12-MAY-2010 17:31:56; Bright; 37.0; 3; 16Alp Boo ; -0.05; 4250;occ; 74; 0;42866
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11; 3116.7; 12-MAY-2010 17:46:36; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42866
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 7; 2062.6; 12-MAY-2010 19:09:38; Bright; 31.0; 102; 24Alp Ser ; 2.60; 4250;occ; 62; 0;42867  
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 9; 2393.0; 12-MAY-2010 19:15:08; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42867  
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 12; 3115.4; 12-MAY-2010 21:07:47; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42868  
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 6; 733.8; 12-MAY-2010 22:08:41; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;42869  
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 9; 1142.2; 12-MAY-2010 23:56:05; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42870
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11; 1444.3; 13-MAY-2010 00:01:08; Dark ; 57.0; 80; 7Del Sco ; 2.32; 30000;occ; 114; 0;42870
12; 1609.8; 13-MAY-2010 00:03:53; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42870
13; 1725.5; 13-MAY-2010 00:05:49; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;42870
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21; 3963.9; 13-MAY-2010 00:43:07; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42870
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 37; 8097.0; 13-MAY-2010 03:32:36; Bright; 46.5; 102; 24Alp Ser ; 2.60; 4250;occ; 93; 0;42872  
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 39; 8427.8; 13-MAY-2010 03:38:07; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42872  
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 19; 1726.0; 13-MAY-2010 05:07:37; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42873  
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10; 902.1; 15-MAY-2010 03:50:39; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;42901
11; 1014.4; 15-MAY-2010 03:52:31; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42901
12; 1157.6; 15-MAY-2010 03:54:54; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;42901
13; 1345.7; 15-MAY-2010 03:58:03; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;42901
14; 1504.5; 15-MAY-2010 04:00:41; Bright; 48.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 97; 0;42901
15; 1726.9; 15-MAY-2010 04:04:24; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;42901
16; 1859.9; 15-MAY-2010 04:06:37; Bright; 51.0; 120; 1Del Oph ; 2.73; 3200;occ; 102; 0;42901
17; 2051.5; 15-MAY-2010 04:09:48; Bright; 45.0; 102; 24Alp Ser ; 2.60; 4250;occ; 90; 0;42901
18; 2385.5; 15-MAY-2010 04:15:22; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42901
19; 2573.2; 15-MAY-2010 04:18:30; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42901
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4; -1276.5; 15-MAY-2010 04:54:56; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42901
5; -1181.5; 15-MAY-2010 04:56:31; Dark ; 52.5; 90; 54Alp Peg ; 2.49; 11000;occ; 105; 0;42901
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9; 751.2; 15-MAY-2010 05:28:44; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42902
10; 902.7; 15-MAY-2010 05:31:16; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;42902
11; 1014.7; 15-MAY-2010 05:33:08; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42902
12; 1158.0; 15-MAY-2010 05:35:31; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;42902
13; 1346.0; 15-MAY-2010 05:38:39; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42902
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16; 1859.9; 15-MAY-2010 05:47:13; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42902
17; 2051.1; 15-MAY-2010 05:50:24; Bright; 46.0; 102; 24Alp Ser ; 2.60; 4250;occ; 92; 0;42902
18; 2384.9; 15-MAY-2010 05:55:58; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42902
19; 2573.0; 15-MAY-2010 05:59:06; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42902
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5; 2049.3; 15-MAY-2010 15:53:58; Bright; 45.0; 102; 24Alp Ser ; 2.60; 4250;occ; 90; 0;42908
6; 2383.8; 15-MAY-2010 15:59:32; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;42908
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9; 3752.0; 15-MAY-2010 16:22:20; Bright; 65.0; 89; 5Alp Cep ; 2.45; 8000;occ; 130; 0;42908
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11; 4577.6; 15-MAY-2010 16:36:06; Dark ; 58.0; 93; 53Bet Peg ; 2.52; 3100;occ; 116; 0;42908
12; 4761.6; 15-MAY-2010 16:39:10; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;42908
13; 4858.1; 15-MAY-2010 16:40:46; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42908
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17; 6358.0; 15-MAY-2010 17:05:46; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42909
18; 6790.8; 15-MAY-2010 17:12:59; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42909
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4; 1727.0; 15-MAY-2010 17:29:11; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42909
5; 1858.3; 15-MAY-2010 17:31:23; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42909
6; 2049.0; 15-MAY-2010 17:34:33; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42909
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13; 4762.0; 15-MAY-2010 18:19:46; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42909
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16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
17; 6024.7; 15-MAY-2010 18:40:49; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;42909
18; 6358.8; 15-MAY-2010 18:46:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42910
19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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3; 1161.8; 15-MAY-2010 19:00:22; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42910
4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
5; 1506.1; 15-MAY-2010 19:06:07; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42910

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7; 1857.9; 15-MAY-2010 19:11:58; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42910  
8; 2048.6; 15-MAY-2010 19:15:09; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42910  
9; 2383.4; 15-MAY-2010 19:20:44; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42910  
10; 2571.7; 15-MAY-2010 19:23:52; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42910  
11; 3094.9; 15-MAY-2010 19:32:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42910  
12; 3751.2; 15-MAY-2010 19:43:32; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42910  
13; 3961.8; 15-MAY-2010 19:47:02; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42910  
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21; 6791.7; 15-MAY-2010 20:34:12; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42911  
22; 6965.5; 15-MAY-2010 20:37:06; Dark ; 29.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 58; 0;42911  
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3; 1162.2; 15-MAY-2010 20:40:59; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42911  
4; 1349.0; 15-MAY-2010 20:44:05; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42911  
5; 1506.3; 15-MAY-2010 20:46:43; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42911  
6; 1726.9; 15-MAY-2010 20:50:23; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42911  
7; 1857.7; 15-MAY-2010 20:52:34; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42911  
8; 2048.5; 15-MAY-2010 20:55:45; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42911  
9; 2383.4; 15-MAY-2010 21:01:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42911  
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12; 3750.7; 15-MAY-2010 21:24:07; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42911  
13; 3961.6; 15-MAY-2010 21:27:38; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42911  
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15; 4762.1; 15-MAY-2010 21:40:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;42911  
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5; 756.4; 15-MAY-2010 22:14:49; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42912  
6; 930.6; 15-MAY-2010 22:17:43; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42912  
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9; 1348.9; 15-MAY-2010 22:24:41; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;42912  
10; 1506.3; 15-MAY-2010 22:27:19; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42912  
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12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912  
13; 2048.0; 15-MAY-2010 22:36:20; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42912  
14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912  
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16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912  
17; 3750.1; 15-MAY-2010 23:04:42; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42912  
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19; 4513.6; 15-MAY-2010 23:17:26; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42912  
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4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913  
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913  
6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913  
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8; 1163.1; 16-MAY-2010 00:02:11; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42913  
9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913  
10; 1506.5; 16-MAY-2010 00:07:55; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;42913



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 14; 2383.2; 16-MAY-2010 00:22:31; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42913  
 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913  
 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913  
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16; 1731.5; 21-MAY-2010 04:15:58; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42987
17; 2030.7; 21-MAY-2010 04:20:57; Bright; 42.0; 102; 24Alp Ser ; 2.60; 4250;occ; 84; 0;42987
18; 2372.7; 21-MAY-2010 04:26:39; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42987
19; 2562.2; 21-MAY-2010 04:29:49; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42987
20; 3060.4; 21-MAY-2010 04:38:07; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;42987
21; 3175.5; 21-MAY-2010 04:40:02; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;42987
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4;-1249.4; 21-MAY-2010 05:06:53; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;42987
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9; 377.9; 21-MAY-2010 05:34:00; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;42988
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8; 51.0; 21-MAY-2010 07:09:10; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;42989
9; 378.2; 21-MAY-2010 07:14:37; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42989
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14; 1371.7; 21-MAY-2010 07:31:10; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42989
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3; 2372.7; 21-MAY-2010 07:47:51; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42989
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5; 3059.6; 21-MAY-2010 07:59:18; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;42989
6; 3175.1; 21-MAY-2010 08:01:14; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;42989
7; 3937.4; 21-MAY-2010 08:13:56; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;42989
8; 4010.2; 21-MAY-2010 08:15:09; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;42989
9; 4526.9; 21-MAY-2010 08:23:45; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;42989
10; 4787.8; 21-MAY-2010 08:28:06; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42989

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 15; 6415.4; 21-MAY-2010 08:55:14; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42990  
 16; 6830.3; 21-MAY-2010 09:02:09; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42990  
 17; 6993.3; 21-MAY-2010 09:04:52; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;42990  
 18; 7104.5; 21-MAY-2010 09:06:43; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;42990  
 19; 7232.4; 21-MAY-2010 09:08:51; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;42990  
 20; 7408.0; 21-MAY-2010 09:11:47; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42990  
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 3; 2030.3; 21-MAY-2010 09:22:45; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;42990  
 4; 2372.4; 21-MAY-2010 09:28:27; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;42990  
 5; 2561.8; 21-MAY-2010 09:31:36; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42990  
 6; 3059.1; 21-MAY-2010 09:39:54; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42990  
 7; 3175.2; 21-MAY-2010 09:41:50; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;42990  
 8; 3937.4; 21-MAY-2010 09:54:32; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;42990  
 9; 4010.0; 21-MAY-2010 09:55:44; Bright; 54.0; 68; 18Alp Cas ; 2.22; 4500;occ; 108; 0;42990  
 10; 4527.0; 21-MAY-2010 10:04:21; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42990  
 11; 4787.3; 21-MAY-2010 10:08:42; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;42990  
 12; 5745.1; 21-MAY-2010 10:24:40; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;42990  
 13; 5898.8; 21-MAY-2010 10:27:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42990  
 14; 5991.6; 21-MAY-2010 10:28:46; Dark ; 45.0; 63; Bet Gru ; 2.15; 2800;occ; 90; 0;42990  
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 16; 6415.8; 21-MAY-2010 10:35:50; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;42991  
 17; 6830.7; 21-MAY-2010 10:42:45; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;42991  
 18; 6993.9; 21-MAY-2010 10:45:28; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42991  
 19; 7104.9; 21-MAY-2010 10:47:19; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;42991  
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 21; 7408.3; 21-MAY-2010 10:52:23; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;42991  
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 3; 2029.8; 21-MAY-2010 11:03:20; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;42991  
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 6; 3058.7; 21-MAY-2010 11:20:29; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42991  
 7; 3175.0; 21-MAY-2010 11:22:25; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42991  
 8; 3937.4; 21-MAY-2010 11:35:08; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;42991  
 9; 4010.0; 21-MAY-2010 11:36:20; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;42991  
 10; 4526.9; 21-MAY-2010 11:44:57; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42991  
 11; 4788.1; 21-MAY-2010 11:49:18; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;42991  
 12; 5745.9; 21-MAY-2010 12:05:16; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;42991  
 13; 5899.7; 21-MAY-2010 12:07:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42991  
 14; 5992.3; 21-MAY-2010 12:09:23; Dark ; 45.0; 63; Bet Gru ; 2.15; 2800;occ; 90; 0;42991  
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 16; 6416.3; 21-MAY-2010 12:16:27; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42992  
 17; 6831.1; 21-MAY-2010 12:23:21; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42992  
 18; 6994.6; 21-MAY-2010 12:26:05; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;42992  
 19; 7105.4; 21-MAY-2010 12:27:56; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;42992  
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 21; 7408.7; 21-MAY-2010 12:32:59; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;42992  
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 5; 2561.9; 21-MAY-2010 12:52:48; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42992  
 6; 3174.7; 21-MAY-2010 13:03:01; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42992  
 7; 3937.7; 21-MAY-2010 13:15:44; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;42992  
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13; 4799.0; 23-MAY-2010 15:48:03; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43022
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 13; 1839.7; 24-MAY-2010 02:42:55; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43029  
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 15; 2369.7; 24-MAY-2010 02:51:45; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43029  
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 17; 3171.8; 24-MAY-2010 03:05:07; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43029

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17; 1734.8; 24-MAY-2010 04:21:46; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43030
18; 1839.5; 24-MAY-2010 04:23:31; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;43030
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20; 2369.8; 24-MAY-2010 04:32:21; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;43030
21; 3043.0; 24-MAY-2010 04:43:34; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43030
22; 3171.9; 24-MAY-2010 04:45:43; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;43030
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5; -1234.0; 24-MAY-2010 05:12:53; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43030
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9; 86.6; 24-MAY-2010 05:34:54; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43031
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16; 1476.9; 24-MAY-2010 05:58:04; Bright; 47.5; 80; 7Del Sco ; 2.32; 30000;occ; 95; 0;43031
17; 1735.0; 24-MAY-2010 06:02:22; Bright; 35.0; 104; 27Bet Lib ; 2.61; 13100;occ; 70; 0;43031
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21; 3042.9; 24-MAY-2010 06:24:10; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43031
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4; 1385.0; 24-MAY-2010 21:01:56; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43040
5; 1527.3; 24-MAY-2010 21:04:18; Bright; 47.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 94; 0;43040
6; 1735.4; 24-MAY-2010 21:07:46; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;43040
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9; 2369.2; 24-MAY-2010 21:18:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43040
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12; 3935.8; 24-MAY-2010 21:44:27; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43040
13; 4007.6; 24-MAY-2010 21:45:38; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43040
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5; 415.2; 24-MAY-2010 22:26:22; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43041
6; 817.2; 24-MAY-2010 22:33:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43041
7; 985.5; 24-MAY-2010 22:35:52; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43041
8; 1095.8; 24-MAY-2010 22:37:42; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;43041
9; 1215.7; 24-MAY-2010 22:39:42; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43041
10; 1385.1; 24-MAY-2010 22:42:32; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43041

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13; 1838.7; 24-MAY-2010 22:50:05; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;43041
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19; 4007.8; 24-MAY-2010 23:26:14; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;43041
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13; 5785.9; 24-MAY-2010 08:50:29; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43032
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 2; 1839.6; 24-MAY-2010 09:25:19; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43033  
 3; 2023.6; 24-MAY-2010 09:28:23; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43033  
 4; 2369.6; 24-MAY-2010 09:34:09; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43033  
 5; 3042.1; 24-MAY-2010 09:45:21; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43033  
 6; 3171.5; 24-MAY-2010 09:47:31; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43033  
 7; 3936.3; 24-MAY-2010 10:00:16; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43033  
 8; 4008.3; 24-MAY-2010 10:01:28; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43033  
 9; 4381.8; 24-MAY-2010 10:07:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43033  
 10; 4534.5; 24-MAY-2010 10:10:14; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43033  
 11; 4803.3; 24-MAY-2010 10:14:43; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43033  
 12; 5332.6; 24-MAY-2010 10:23:32; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;43033  
 13; 5787.3; 24-MAY-2010 10:31:07; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;43033  
 14; 5877.3; 24-MAY-2010 10:32:37; Dark ; 43.5; 0; ; 0.00; 0;occ; 87; 0;43033  
 15; 6023.1; 24-MAY-2010 10:35:02; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43033  
 16; 6124.9; 24-MAY-2010 10:36:44; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43034  
 17; 6446.4; 24-MAY-2010 10:42:06; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43034  
 18; 6850.1; 24-MAY-2010 10:48:49; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43034  
 19; 7017.5; 24-MAY-2010 10:51:37; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43034  
 20; 7128.2; 24-MAY-2010 10:53:27; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43034  
 21; 7249.0; 24-MAY-2010 10:55:28; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43034  
 22; 7419.6; 24-MAY-2010 10:58:19; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;43034  
 23; 7562.0; 24-MAY-2010 11:00:41; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43034

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1; 1735.1; 24-MAY-2010 11:04:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43034  
 2; 1839.1; 24-MAY-2010 11:05:54; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43034  
 3; 2023.2; 24-MAY-2010 11:08:58; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43034  
 4; 2369.6; 24-MAY-2010 11:14:45; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43034  
 5; 3041.5; 24-MAY-2010 11:25:57; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43034  
 6; 3171.3; 24-MAY-2010 11:28:06; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43034  
 7; 3936.2; 24-MAY-2010 11:40:51; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43034  
 8; 4008.3; 24-MAY-2010 11:42:03; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43034  
 9; 4382.1; 24-MAY-2010 11:48:17; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;43034  
 10; 4534.6; 24-MAY-2010 11:50:50; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43034  
 11; 4803.4; 24-MAY-2010 11:55:18; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43034  
 12; 5333.2; 24-MAY-2010 12:04:08; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43034  
 13; 5871.3; 24-MAY-2010 12:13:06; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43034  
 14; 6023.8; 24-MAY-2010 12:15:39; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43034  
 15; 6125.8; 24-MAY-2010 12:17:21; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43035  
 16; 6447.0; 24-MAY-2010 12:22:42; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43035  
 17; 6850.8; 24-MAY-2010 12:29:26; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43035  
 18; 7018.2; 24-MAY-2010 12:32:13; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43035  
 19; 7128.7; 24-MAY-2010 12:34:04; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43035  
 20; 7249.3; 24-MAY-2010 12:36:04; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43035  
 21; 7419.9; 24-MAY-2010 12:38:55; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43035  
 22; 7562.5; 24-MAY-2010 12:41:18; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43035

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1; 1735.0; 24-MAY-2010 12:44:46; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43035  
 2; 1839.0; 24-MAY-2010 12:46:30; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43035  
 3; 2023.0; 24-MAY-2010 12:49:34; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43035  
 4; 2369.4; 24-MAY-2010 12:55:20; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43035  
 5; 3171.3; 24-MAY-2010 13:08:42; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43035  
 6; 3936.2; 24-MAY-2010 13:21:27; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43035  
 7; 4007.9; 24-MAY-2010 13:22:39; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43035  
 8; 4382.0; 24-MAY-2010 13:28:53; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43035  
 9; 4534.8; 24-MAY-2010 13:31:26; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43035  
 10; 4803.7; 24-MAY-2010 13:35:55; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43035



11; 5333.7; 24-MAY-2010 13:44:45; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;43035  
 12; 5867.3; 24-MAY-2010 13:53:38; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43035  
 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035  
 14; 6126.7; 24-MAY-2010 13:57:58; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43036  
 15; 6447.5; 24-MAY-2010 14:03:18; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43036  
 16; 6851.0; 24-MAY-2010 14:10:02; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43036  
 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036  
 18; 7129.0; 24-MAY-2010 14:14:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43036  
 19; 7249.8; 24-MAY-2010 14:16:41; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43036  
 20; 7420.2; 24-MAY-2010 14:19:31; Dark ; 59.5; 16; 21Alp Sco ; 1.02; 3000;occ; 119; 0;43036  
 21; 7562.5; 24-MAY-2010 14:21:53; Bright; 26.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 53; 0;43036

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1; 1526.6; 24-MAY-2010 14:21:53; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43036  
 2; 1735.5; 24-MAY-2010 14:25:22; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43036  
 3; 1839.4; 24-MAY-2010 14:27:06; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43036  
 4; 2022.9; 24-MAY-2010 14:30:10; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43036  
 5; 2369.5; 24-MAY-2010 14:35:56; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43036  
 6; 3041.0; 24-MAY-2010 14:47:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43036  
 7; 3171.4; 24-MAY-2010 14:49:18; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43036  
 8; 3936.3; 24-MAY-2010 15:02:03; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43036  
 9; 4008.2; 24-MAY-2010 15:03:15; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43036  
 10; 4382.1; 24-MAY-2010 15:09:29; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43036  
 11; 4535.0; 24-MAY-2010 15:12:02; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;43036  
 12; 4804.7; 24-MAY-2010 15:16:32; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43036  
 13; 5334.2; 24-MAY-2010 15:25:21; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;43036  
 14; 5862.2; 24-MAY-2010 15:34:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43036  
 15; 6025.6; 24-MAY-2010 15:36:52; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43036  
 16; 6127.7; 24-MAY-2010 15:38:35; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43037  
 17; 6448.4; 24-MAY-2010 15:43:55; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43037  
 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037  
 19; 7019.5; 24-MAY-2010 15:53:26; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43037  
 20; 7129.7; 24-MAY-2010 15:55:17; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43037  
 21; 7250.3; 24-MAY-2010 15:57:17; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;43037

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1; 1384.2; 24-MAY-2010 16:00:07; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43037  
 2; 1527.3; 24-MAY-2010 16:02:30; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43037  
 3; 1735.3; 24-MAY-2010 16:05:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43037  
 4; 1839.1; 24-MAY-2010 16:07:42; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43037  
 5; 2023.2; 24-MAY-2010 16:10:46; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43037  
 6; 3040.4; 24-MAY-2010 16:27:43; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43037  
 7; 3171.2; 24-MAY-2010 16:29:54; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43037  
 8; 3936.3; 24-MAY-2010 16:42:39; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43037  
 9; 4008.0; 24-MAY-2010 16:43:51; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43037  
 10; 4382.4; 24-MAY-2010 16:50:05; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43037  
 11; 4535.0; 24-MAY-2010 16:52:38; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43037  
 12; 4804.7; 24-MAY-2010 16:57:08; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43037  
 13; 5334.8; 24-MAY-2010 17:05:58; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;43037  
 14; 5859.5; 24-MAY-2010 17:14:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43037  
 15; 6026.4; 24-MAY-2010 17:17:29; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43037  
 16; 6128.7; 24-MAY-2010 17:19:12; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43038  
 17; 6449.0; 24-MAY-2010 17:24:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43038  
 18; 6852.2; 24-MAY-2010 17:31:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43038  
 19; 7019.9; 24-MAY-2010 17:34:03; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43038

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1; 983.8; 24-MAY-2010 17:34:03; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43038  
 2; 1094.3; 24-MAY-2010 17:35:53; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;43038  
 3; 1214.6; 24-MAY-2010 17:37:53; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43038  
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 5; 1527.2; 24-MAY-2010 17:43:06; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43038  
 6; 1735.5; 24-MAY-2010 17:46:34; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43038  
 7; 1839.1; 24-MAY-2010 17:48:18; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43038  
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 9; 2369.4; 24-MAY-2010 17:57:08; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43038  
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 11; 3171.1; 24-MAY-2010 18:10:30; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43038  
 12; 3935.9; 24-MAY-2010 18:23:15; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43038  
 13; 4007.9; 24-MAY-2010 18:24:27; Bright; 53.0; 68; 18Alp Cas ; 2.22; 4500;occ; 106; 0;43038  
 14; 4382.5; 24-MAY-2010 18:30:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43038

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16; 4805.2; 24-MAY-2010 18:37:44; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43038
17; 5335.1; 24-MAY-2010 18:46:34; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;43038
18; 5860.0; 24-MAY-2010 18:55:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43038
19; 6026.8; 24-MAY-2010 18:58:06; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;43038
20; 6129.1; 24-MAY-2010 18:59:48; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43039
21; 6450.0; 24-MAY-2010 19:05:09; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43039
22; 6852.5; 24-MAY-2010 19:11:51; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;43039
23; 7020.6; 24-MAY-2010 19:14:39; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43039
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 5; 1527.1; 24-MAY-2010 19:23:42; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43039
 6; 1735.6; 24-MAY-2010 19:27:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43039
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 8; 2022.6; 24-MAY-2010 19:31:57; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43039
 9; 2369.6; 24-MAY-2010 19:37:44; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43039
10; 3039.7; 24-MAY-2010 19:48:55; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43039
11; 3171.2; 24-MAY-2010 19:51:06; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43039
12; 3936.0; 24-MAY-2010 20:03:51; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;43039
13; 4007.8; 24-MAY-2010 20:05:03; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;43039
14; 4382.5; 24-MAY-2010 20:11:17; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43039
15; 4535.6; 24-MAY-2010 20:13:50; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43039
16; 4805.2; 24-MAY-2010 20:18:20; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43039
17; 5335.5; 24-MAY-2010 20:27:10; Dark ; 48.5; 52; 16Bet Cet ; 2.04; 4500;occ; 97; 0;43039
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19; 6027.6; 24-MAY-2010 20:38:42; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43039
20; 6130.5; 24-MAY-2010 20:40:25; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43040
21; 6450.5; 24-MAY-2010 20:45:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43040
22; 6852.8; 24-MAY-2010 20:52:28; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43040
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 4; 96.7; 25-MAY-2010 01:42:15; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43043
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 6; 818.1; 25-MAY-2010 01:54:16; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43043
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17; 1736.1; 25-MAY-2010 03:50:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43044

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 3; 1736.6; 25-MAY-2010 15:34:22; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43051  
 4; 1838.0; 25-MAY-2010 15:36:04; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43051  
 5; 2021.4; 25-MAY-2010 15:39:07; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43051  
 6; 2368.9; 25-MAY-2010 15:44:55; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43051  
 7; 3035.6; 25-MAY-2010 15:56:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43051  
 8; 3170.4; 25-MAY-2010 15:58:16; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;43051  
 9; 3935.8; 25-MAY-2010 16:11:02; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43051  
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 12; 4538.0; 25-MAY-2010 16:21:04; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43051  
 13; 4810.2; 25-MAY-2010 16:25:36; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43051  
 14; 5341.2; 25-MAY-2010 16:34:27; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43051  
 15; 5867.4; 25-MAY-2010 16:43:13; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43051  
 16; 6141.0; 25-MAY-2010 16:47:47; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43052  
 17; 6459.0; 25-MAY-2010 16:53:05; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43052  
 18; 6858.2; 25-MAY-2010 16:59:44; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;43052  
 19; 7027.3; 25-MAY-2010 17:02:33; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43052  
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 6; 1529.5; 25-MAY-2010 20:32:43; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43054  
 7; 1737.0; 25-MAY-2010 20:36:11; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43054  
 8; 1837.8; 25-MAY-2010 20:37:51; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43054  
 9; 2020.5; 25-MAY-2010 20:40:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43054  
 10; 2385.0; 25-MAY-2010 20:46:59; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43054  
 11; 3034.5; 25-MAY-2010 20:57:48; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43054  
 12; 3170.1; 25-MAY-2010 21:00:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43054  
 13; 3935.7; 25-MAY-2010 21:12:49; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43054  
 14; 4006.8; 25-MAY-2010 21:14:00; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43054  
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 16; 4538.4; 25-MAY-2010 21:22:52; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43054  
 17; 4811.4; 25-MAY-2010 21:27:25; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43054

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 4; 1736.8; 25-MAY-2010 17:14:59; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43052  
 5; 1838.1; 25-MAY-2010 17:16:40; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43052  
 6; 2021.4; 25-MAY-2010 17:19:43; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43052  
 7; 2385.8; 25-MAY-2010 17:25:48; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43052  
 8; 3035.4; 25-MAY-2010 17:36:37; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43052  
 9; 3170.3; 25-MAY-2010 17:38:52; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43052  
 10; 3935.4; 25-MAY-2010 17:51:37; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43052  
 11; 4007.4; 25-MAY-2010 17:52:49; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43052  
 12; 4384.2; 25-MAY-2010 17:59:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43052  
 13; 4537.9; 25-MAY-2010 18:01:40; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43052  
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 16; 5868.0; 25-MAY-2010 18:23:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43052  
 17; 6038.0; 25-MAY-2010 18:26:40; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43052  
 18; 6141.8; 25-MAY-2010 18:28:24; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43053  
 19; 6459.8; 25-MAY-2010 18:33:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43053  
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 6; 1737.1; 25-MAY-2010 18:55:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43053

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8; 2020.8; 25-MAY-2010 19:00:19; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43053
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10; 3034.8; 25-MAY-2010 19:17:13; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43053
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12; 3935.5; 25-MAY-2010 19:32:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43053
13; 4007.0; 25-MAY-2010 19:33:25; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43053
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15; 4538.1; 25-MAY-2010 19:42:16; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43053
16; 4811.2; 25-MAY-2010 19:46:49; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43053
17; 5342.1; 25-MAY-2010 19:55:40; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43053
18; 5868.5; 25-MAY-2010 20:04:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43053
19; 6038.5; 25-MAY-2010 20:07:16; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;43053
20; 6142.8; 25-MAY-2010 20:09:01; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43054
21; 6460.1; 25-MAY-2010 20:14:18; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43054
22; 6859.0; 25-MAY-2010 20:20:57; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43054

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3; 4.9; 26-MAY-2010 01:09:06; Dark ; 43.5; 63; Bet Gru ; 2.15; 2800;occ; 87; 0;43056
4; 109.2; 26-MAY-2010 01:10:50; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43057
5; 426.4; 26-MAY-2010 01:16:08; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43057
6; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057
7; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057
8; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057
9; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
10; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
11; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057
12; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057
13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
14; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
15; 2384.3; 26-MAY-2010 01:48:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;43057
16; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
17; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057
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22; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
23; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
24; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
25; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057
26; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
27; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
28; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
29; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
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31; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
32; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
33; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
34; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
35; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
36; 8419.9; 26-MAY-2010 03:29:21; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43058

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3; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057
4; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
5; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
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7; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057
8; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
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10; 2384.3; 26-MAY-2010 01:48:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;43057
11; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
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13; 3935.2; 26-MAY-2010 02:14:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43057
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 17; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057  
 18; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057  
 19; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057  
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 21; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058  
 22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058  
 23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058  
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 25; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058  
 26; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058  
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 10; 6.5; 26-MAY-2010 04:30:20; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43058  
 11; 111.0; 26-MAY-2010 04:32:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43059  
 12; 427.8; 26-MAY-2010 04:37:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43059  
 13; 825.3; 26-MAY-2010 04:43:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;43059  
 14; 994.9; 26-MAY-2010 04:46:48; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43059  
 15; 1105.0; 26-MAY-2010 04:48:38; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;43059  
 16; 1222.4; 26-MAY-2010 04:50:36; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43059  
 17; 1350.7; 26-MAY-2010 04:52:44; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;43059  
 18; 1530.4; 26-MAY-2010 04:55:44; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43059  
 19; 1737.3; 26-MAY-2010 04:59:11; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;43059  
 20; 2020.3; 26-MAY-2010 05:03:53; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43059  
 21; 2384.0; 26-MAY-2010 05:09:57; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43059  
 22; 3032.8; 26-MAY-2010 05:20:46; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43059  
 23; 3169.7; 26-MAY-2010 05:23:03; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43059

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 4;-1496.7; 26-MAY-2010 05:45:52; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43059  
 5;-1222.6; 26-MAY-2010 05:50:27; Dark ; 49.0; 140; 88Gam Peg ; 2.83; 26000;occ; 98; 0;43059  
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 7; -164.0; 26-MAY-2010 06:08:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43059  
 8; 7.2; 26-MAY-2010 06:10:56; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43059  
 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060  
 10; 428.5; 26-MAY-2010 06:17:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43060  
 11; 825.5; 26-MAY-2010 06:24:35; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43060  
 12; 995.3; 26-MAY-2010 06:27:25; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43060  
 13; 1105.3; 26-MAY-2010 06:29:15; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43060  
 14; 1222.5; 26-MAY-2010 06:31:12; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43060  
 15; 1351.2; 26-MAY-2010 06:33:20; Dark ; 43.0; 136; 23Tau Sco ; 2.82; 30000;occ; 86; 0;43060  
 16; 1530.5; 26-MAY-2010 06:36:20; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43060  
 17; 1737.3; 26-MAY-2010 06:39:46; Bright; 9.0; 104; 27Bet Lib ; 2.61; 13100;occ; 18; 0;43060  
 18; 2020.4; 26-MAY-2010 06:44:30; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43060  
 19; 2383.6; 26-MAY-2010 06:50:33; Bright; 57.0; 67; 5Alp CrB ; 2.22; 11000;occ; 114; 0;43060  
 20; 3032.3; 26-MAY-2010 07:01:22; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43060  
 21; 3169.7; 26-MAY-2010 07:03:39; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43060

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7; -163.4; 26-MAY-2010 07:48:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43060
8; 7.9; 26-MAY-2010 07:51:33; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;43060
9; 112.6; 26-MAY-2010 07:53:18; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43061
10; 429.3; 26-MAY-2010 07:58:34; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43061
11; 826.2; 26-MAY-2010 08:05:11; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43061
12; 995.7; 26-MAY-2010 08:08:01; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43061
13; 1105.5; 26-MAY-2010 08:09:51; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;43061
14; 1222.8; 26-MAY-2010 08:11:48; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43061
15; 1351.3; 26-MAY-2010 08:13:56; Dark ; 45.5; 136; 23Tau Sco ; 2.82; 30000;occ; 91; 0;43061
16; 1530.5; 26-MAY-2010 08:16:56; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43061
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3; 2383.4; 26-MAY-2010 08:31:08; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43061
4; 3031.8; 26-MAY-2010 08:41:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43061
5; 3169.2; 26-MAY-2010 08:44:14; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;43061
6; 3935.0; 26-MAY-2010 08:57:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43061
7; 4006.9; 26-MAY-2010 08:58:12; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;43061
8; 4385.3; 26-MAY-2010 09:04:30; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43061
9; 4539.4; 26-MAY-2010 09:07:05; Dark ; 51.0; 58; 21Alp And ; 2.07; 11000;occ; 102; 0;43061
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11; 5345.8; 26-MAY-2010 09:20:31; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;43061
12; 5873.0; 26-MAY-2010 09:29:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43061
13; 6044.6; 26-MAY-2010 09:32:10; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;43061
14; 6149.5; 26-MAY-2010 09:33:55; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43062
15; 6465.7; 26-MAY-2010 09:39:11; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43062
16; 6862.3; 26-MAY-2010 09:45:47; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;43062
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18; 7142.3; 26-MAY-2010 09:50:27; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;43062
19; 7259.2; 26-MAY-2010 09:52:24; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43062
20; 7387.3; 26-MAY-2010 09:54:32; Dark ; 46.0; 136; 23Tau Sco ; 2.82; 30000;occ; 92; 0;43062
21; 7566.8; 26-MAY-2010 09:57:32; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43062
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3; 2383.1; 26-MAY-2010 10:11:44; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43062
4; 3031.4; 26-MAY-2010 10:22:32; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43062
5; 3169.5; 26-MAY-2010 10:24:51; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;43062
6; 3935.0; 26-MAY-2010 10:37:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43062
7; 4006.3; 26-MAY-2010 10:38:47; Bright; 39.5; 68; 18Alp Cas ; 2.22; 4500;occ; 79; 0;43062
8; 4385.1; 26-MAY-2010 10:45:06; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43062
9; 4539.4; 26-MAY-2010 10:47:40; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43062
10; 4814.5; 26-MAY-2010 10:52:16; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43062
11; 5346.2; 26-MAY-2010 11:01:07; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;43062
12; 5873.6; 26-MAY-2010 11:09:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43062
13; 6045.4; 26-MAY-2010 11:12:46; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43063
14; 6150.3; 26-MAY-2010 11:14:31; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43063
15; 6466.5; 26-MAY-2010 11:19:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43063
16; 6862.5; 26-MAY-2010 11:26:24; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43063
17; 7032.5; 26-MAY-2010 11:29:14; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;43063
18; 7142.7; 26-MAY-2010 11:31:04; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43063
19; 7259.5; 26-MAY-2010 11:33:01; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43063
20; 7387.4; 26-MAY-2010 11:35:08; Dark ; 43.5; 136; 23Tau Sco ; 2.82; 30000;occ; 87; 0;43063
21; 7566.7; 26-MAY-2010 11:38:08; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;43063
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3; 2382.7; 26-MAY-2010 11:52:20; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;43063
4; 3031.1; 26-MAY-2010 12:03:08; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43063
5; 3169.1; 26-MAY-2010 12:05:26; Bright; 53.0; 60; 7Bet UMi ; 2.08; 3950;occ; 106; 0;43063
6; 3935.0; 26-MAY-2010 12:18:12; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43063
7; 4006.5; 26-MAY-2010 12:19:23; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43063
8; 4385.7; 26-MAY-2010 12:25:43; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43063
9; 4540.3; 26-MAY-2010 12:28:17; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43063
10; 4815.9; 26-MAY-2010 12:32:53; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43063

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 20; 7388.4; 26-MAY-2010 13:15:45; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;43064  
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 8; 3935.8; 26-MAY-2010 13:58:49; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;43064  
 9; 4007.3; 26-MAY-2010 14:00:00; Bright; 45.0; 68; 18Alp Cas ; 2.22; 4500;occ; 90; 0;43064  
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 11; 4541.2; 26-MAY-2010 14:08:54; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43064  
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 13; 5348.2; 26-MAY-2010 14:22:21; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43064  
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 5; 1352.8; 26-MAY-2010 19:58:09; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;43068  
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6; 1702.4; 31-MAY-2010 17:25:54; Bright; 42.5; 98; 13Zet Oph ; 2.57; 30000;occ; 85; 0;43138
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13; 3929.8; 31-MAY-2010 18:03:02; Bright; 55.0; 76; 27Gam Cas ; 2.30; 30000;occ; 110; 0;43138
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