

GOMOS Daily Report 30-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	02JUN2010 04:54:39
Data source version	GOMOS/5.00L04
Start time of products	30MAY2010 00:03:21
Stop time of products	30MAY2010 23:51:40
Store outputs in DB	Yes
Nb of level 1b prods	131
Nb of prods with errors	0

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

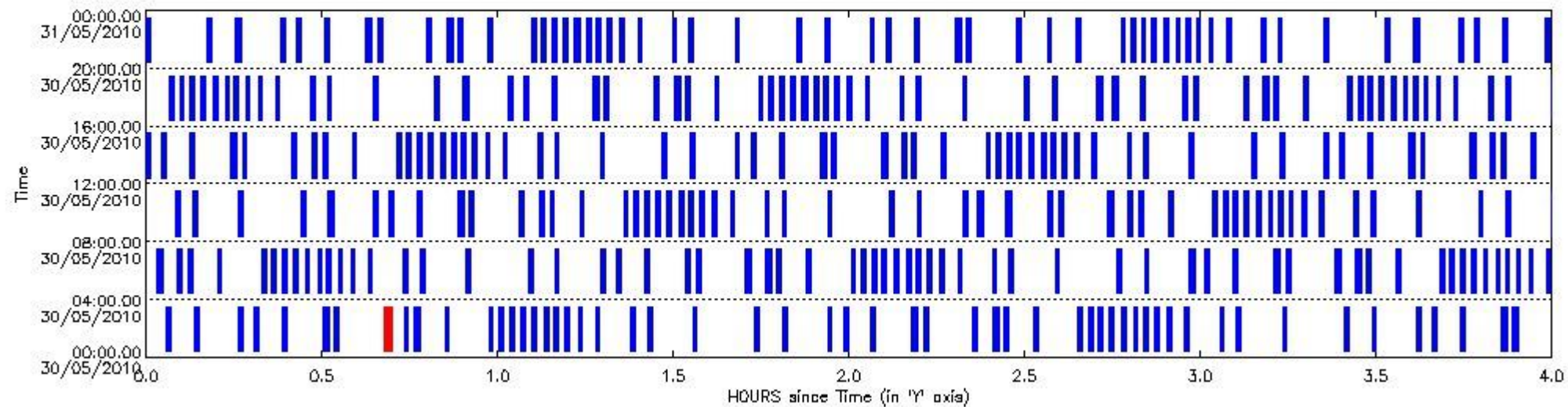
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
30-MAY-2010 00:40:37	24AlpPsA	18	43113

2.4 Summary of processed GOM_TRA_1P products

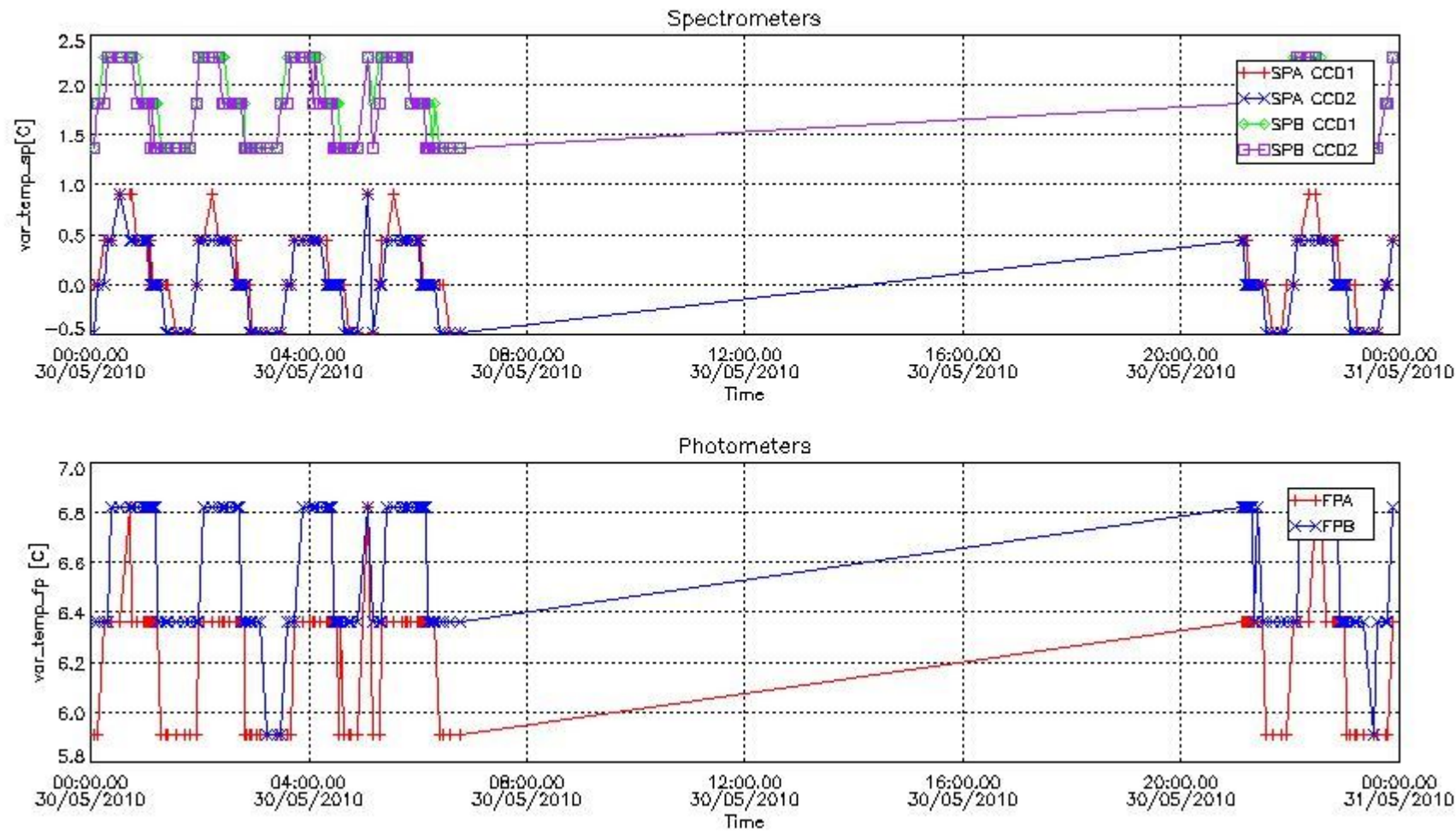
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100530_000321_000000482089_00474_43113_5104.N1	30-MAY-2010 00:03:21	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43113	No
2	GOM_TRA_1PNPDE20100530_000805_000000552089_00474_43113_5105.N1	30-MAY-2010 00:08:05	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	43113	No
3	GOM_TRA_1PNPDE20100530_001544_000000462089_00474_43113_5106.N1	30-MAY-2010 00:15:44	Bright	46.000	53	43Bet And	2.0480	3300.0	92	43113	No
4	GOM_TRA_1PNPDE20100530_001823_000000522089_00474_43113_5107.N1	30-MAY-2010 00:18:23	Twilight_stray	51.500	58	21Alp And	2.0730	11000.	103	43113	No
5	GOM_TRA_1PNPDE20100530_002310_000000492089_00474_43113_5108.N1	30-MAY-2010 00:23:10	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	43113	No
6	GOM_TRA_1PNPDE20100530_003207_000000452089_00474_43113_5111.N1	30-MAY-2010 00:32:07	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	43113	No
7	GOM_TRA_1PNPDE20100530_004400_000000452089_00475_43114_5112.N1	30-MAY-2010 00:44:00	Dark	44.500	63	Bet Gru	2.1500	2800.0	89	43114	No
8	GOM_TRA_1PNPDE20100530_004549_000000532089_00475_43114_5113.N1	30-MAY-2010 00:45:49	Dark	53.000	31	Alp Gru	1.7340	15200.	106	43114	No
9	GOM_TRA_1PNPDE20100530_005055_000000442089_00475_43114_5114.N1	30-MAY-2010 00:50:55	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43114	No
10	GOM_TRA_1PNPDE20100530_005831_000000412089_00475_43114_5115.N1	30-MAY-2010 00:58:31	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	43114	No

11	GOM_TRA_1PNPDE20100530_010011_000000452089_00475_43114_5116.N1	30-MAY-2010 01:00:11	Straylight	44.500	40	The Sco	1.8590	7100.0	89	43114	No
12	GOM_TRA_1PNPDE20100530_010200_000000472089_00475_43114_5117.N1	30-MAY-2010 01:02:00	Twilight_and_stray	47.000	25	35Lam Sco	1.6200	28000.	94	43114	No
13	GOM_TRA_1PNPDE20100530_010350_000000472089_00475_43114_5118.N1	30-MAY-2010 01:03:50	Twilight_and_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	43114	No
14	GOM_TRA_1PNPDE20100530_010554_000000482089_00475_43114_5119.N1	30-MAY-2010 01:05:54	Bright	48.000	136	23Tau Sco	2.8220	30000.	96	43114	No
15	GOM_TRA_1PNPDE20100530_010801_000000402089_00475_43114_5120.N1	30-MAY-2010 01:08:01	Bright	39.500	80	7Del Sco	2.3160	30000.	79	43114	No
16	GOM_TRA_1PNPDE20100530_010937_000000482089_00475_43114_5121.N1	30-MAY-2010 01:09:37	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	43114	No
17	GOM_TRA_1PNPDE20100530_011131_000000432089_00475_43114_5122.N1	30-MAY-2010 01:11:31	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	43114	No
18	GOM_TRA_1PNPDE20100530_011344_000000412089_00475_43114_5123.N1	30-MAY-2010 01:13:44	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43114	No
19	GOM_TRA_1PNPDE20100530_011645_000000382089_00475_43114_5124.N1	30-MAY-2010 01:16:45	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43114	No
20	GOM_TRA_1PNPDE20100530_012243_000000392089_00475_43114_5125.N1	30-MAY-2010 01:22:43	Bright	39.000	67	5Alp CrB	2.2210	11000.	78	43114	No
21	GOM_TRA_1PNPDE20100530_012534_000000442089_00475_43114_5126.N1	30-MAY-2010 01:25:34	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	43114	No
22	GOM_TRA_1PNPDE20100530_013323_000000362089_00475_43114_5127.N1	30-MAY-2010 01:33:23	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	43114	No
23	GOM_TRA_1PNPDE20100530_014356_000000482089_00475_43114_5128.N1	30-MAY-2010 01:43:56	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43114	No
24	GOM_TRA_1PNPDE20100530_014840_000000552089_00475_43114_5129.N1	30-MAY-2010 01:48:40	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	43114	No
25	GOM_TRA_1PNPDE20100530_015620_000000462089_00475_43114_5130.N1	30-MAY-2010 01:56:20	Bright	45.500	53	43Bet And	2.0480	3300.0	91	43114	No
26	GOM_TRA_1PNPDE20100530_015859_000000512089_00475_43114_5131.N1	30-MAY-2010 01:58:59	Twilight_and_stray	51.000	58	21Alp And	2.0730	11000.	102	43114	No
27	GOM_TRA_1PNPDE20100530_020346_000000492089_00475_43114_5132.N1	30-MAY-2010 02:03:46	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	43114	No
28	GOM_TRA_1PNPDE20100530_021243_000000462089_00475_43114_5141.N1	30-MAY-2010 02:12:43	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	43114	No
29	GOM_TRA_1PNPDE20100530_022105_000000502089_00475_43114_5142.N1	30-MAY-2010 02:21:05	Dark	49.500	18	24Alp PsA	1.1660	9700.0	99	43114	No
30	GOM_TRA_1PNPDE20100530_022436_000000532089_00476_43115_5143.N1	30-MAY-2010 02:24:36	Dark	53.000	63	Bet Gru	2.1500	2800.0	106	43115	No
31	GOM_TRA_1PNPDE20100530_022626_000000472089_00476_43115_5144.N1	30-MAY-2010 02:26:26	Dark	47.000	31	Alp Gru	1.7340	15200.	94	43115	No
32	GOM_TRA_1PNPDE20100530_023132_000000442089_00476_43115_5145.N1	30-MAY-2010 02:31:32	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43115	No
33	GOM_TRA_1PNPDE20100530_023907_000000402089_00476_43115_5146.N1	30-MAY-2010 02:39:07	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	43115	No
34	GOM_TRA_1PNPDE20100530_024048_000000482089_00476_43115_5147.N1	30-MAY-2010 02:40:48	Straylight	47.500	40	The Sco	1.8590	7100.0	95	43115	No
35	GOM_TRA_1PNPDE20100530_024236_000000492089_00476_43115_5148.N1	30-MAY-2010 02:42:36	Twilight_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	43115	No
36	GOM_TRA_1PNPDE20100530_024426_000000492089_00476_43115_5149.N1	30-MAY-2010 02:44:26	Twilight_and_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	43115	No
37	GOM_TRA_1PNPDE20100530_024630_000000422089_00476_43115_5150.N1	30-MAY-2010 02:46:30	Bright	42.000	136	23Tau Sco	2.8220	30000.	84	43115	No
38	GOM_TRA_1PNPDE20100530_024837_000000412089_00476_43115_5151.N1	30-MAY-2010 02:48:37	Bright	40.500	80	7Del Sco	2.3160	30000.	81	43115	No
39	GOM_TRA_1PNPDE20100530_025013_000000482089_00476_43115_5152.N1	30-MAY-2010 02:50:13	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	43115	No
40	GOM_TRA_1PNPDE20100530_025207_000000442089_00476_43115_5153.N1	30-MAY-2010 02:52:07	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	43115	No
41	GOM_TRA_1PNPDE20100530_025420_000000412089_00476_43115_5154.N1	30-MAY-2010 02:54:20	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43115	No
42	GOM_TRA_1PNPDE20100530_025721_000000382089_00476_43115_5155.N1	30-MAY-2010 02:57:21	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43115	No
43	GOM_TRA_1PNPDE20100530_030318_000000362089_00476_43115_5156.N1	30-MAY-2010 03:03:18	Bright	36.000	67	5Alp CrB	2.2210	11000.	72	43115	No
44	GOM_TRA_1PNPDE20100530_030610_000000462089_00476_43115_5157.N1	30-MAY-2010 03:06:10	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	43115	No
45	GOM_TRA_1PNPDE20100530_031359_000000392089_00476_43115_5158.N1	30-MAY-2010 03:13:59	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	43115	No
46	GOM_TRA_1PNPDE20100530_032431_000000482089_00476_43115_5165.N1	30-MAY-2010 03:24:31	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43115	No
47	GOM_TRA_1PNPDE20100530_032916_000000382089_00476_43115_5166.N1	30-MAY-2010 03:29:16	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	43115	No
48	GOM_TRA_1PNPDE20100530_033656_000000462089_00476_43115_5167.N1	30-MAY-2010 03:36:56	Bright	45.500	53	43Bet And	2.0480	3300.0	91	43115	No
49	GOM_TRA_1PNPDE20100530_033935_000000522089_00476_43115_5168.N1	30-MAY-2010 03:39:35	Twilight_and_stray	52.000	58	21Alp And	2.0730	11000.	104	43115	No
50	GOM_TRA_1PNPDE20100530_034423_000000492089_00476_43115_5169.N1	30-MAY-2010 03:44:23	Dark	48.500	140	88Gam Peg	2.8340	26000.	97	43115	No
51	GOM_TRA_1PNPDE20100530_035320_000000532089_00476_43115_5170.N1	30-MAY-2010 03:53:20	Dark	53.000	52	16Bet Cet	2.0370	4500.0	106	43115	No
52	GOM_TRA_1PNPDE20100530_040142_000000612089_00476_43115_5171.N1	30-MAY-2010 04:01:42	Dark	61.000	18	24Alp PsA	1.1660	9700.0	122	43115	No
53	GOM_TRA_1PNPDE20100530_040513_000000462089_00477_43116_5172.N1	30-MAY-2010 04:05:13	Dark	46.000	63	Bet Gru	2.1500	2800.0	92	43116	No
54	GOM_TRA_1PNPDE20100530_040703_000000452089_00477_43116_5173.N1	30-MAY-2010 04:07:03	Dark	45.000	31	Alp Gru	1.7340	15200.	90	43116	No
55	GOM_TRA_1PNPDE20100530_041209_000000432089_00477_43116_5174.N1	30-MAY-2010 04:12:09	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43116	No
56	GOM_TRA_1PNPDE20100530_041944_000000402089_00477_43116_5175.N1	30-MAY-2010 04:19:44	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	43116	No
57	GOM_TRA_1PNPDE20100530_042124_000000462089_00477_43116_5176.N1	30-MAY-2010 04:21:24	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43116	No
58	GOM_TRA_1PNPDE20100530_042312_000000462089_00477_43116_5177.N1	30-MAY-2010 04:23:12	Twilight_and_stray	45.500	25	35Lam Sco	1.6200	28000.	91	43116	No
59	GOM_TRA_1PNPDE20100530_042503_000000432089_00477_43116_5178.N1	30-MAY-2010 04:25:03	Twilight_and_stray	43.000	75	26Eps Sco	2.2910	4250.0	86	43116	No
60	GOM_TRA_1PNPDE20100530_042707_000000442089_00477_43116_5179.N1	30-MAY-2010 04:27:07	Bright	43.500	136	23Tau Sco	2.8220	30000.	87	43116	No
61	GOM_TRA_1PNPDE20100530_042914_000000442089_00477_43116_5180.N1	30-MAY-2010 04:29:14	Bright	44.000	80	7Del Sco	2.3160	30000.	88	43116	No
62	GOM_TRA_1PNPDE20100530_043049_000000482089_00477_43116_5181.N1	30-MAY-2010 04:30:49	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	43116	No
63	GOM_TRA_1PNPDE20100530_043243_000000442089_00477_43116_5182.N1	30-MAY-2010 04:32:43	Bright	44.000	98	13Zet Oph	2.5710	30000.	88	43116	No
64	GOM_TRA_1PNPDE20100530_043456_000000412089_00477_43116_5183.N1	30-MAY-2010 04:34:56	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	43116	No
65	GOM_TRA_1PNPDE20100530_043757_000000382089_00477_43116_5184.N1	30-MAY-2010 04:37:57	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43116	No
66	GOM_TRA_1PNPDE20100530_044354_000000372089_00477_43116_5185.N1	30-MAY-2010 04:43:54	Bright	36.500	67	5Alp CrB	2.2210	11000.	73	43116	No
67	GOM_TRA_1PNPDE20100530_044645_000000462089_00477_43116_5186.N1	30-MAY-2010 04:46:45	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	43116	No
68	GOM_TRA_1PNPDE20100530_045434_000000422089_00477_43116_5187.N1	30-MAY-2010 04:54:34	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	43116	No
69	GOM_TRA_1PNPDE20100530_050507_000000492089_00477_43116_5191.N1	30-MAY-2010 05:05:07	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43116	No

70	GOM_TRA_1PNPDE20100530_050953_000000362089_00477_43116_5192.N1	30-MAY-2010 05:09:53	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	43116	No
71	GOM_TRA_1PNPDE20100530_051732_000000562089_00477_43116_5193.N1	30-MAY-2010 05:17:32	Bright	56.000	53	43Bet And	2.0480	3300.0	112	43116	No
72	GOM_TRA_1PNPDE20100530_052011_000000512089_00477_43116_5194.N1	30-MAY-2010 05:20:11	Twilight	50.500	58	21Alp And	2.0730	11000.	101	43116	No
73	GOM_TRA_1PNPDE20100530_052500_000000492089_00477_43116_5195.N1	30-MAY-2010 05:25:00	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	43116	No
74	GOM_TRA_1PNPDE20100530_053356_000000462089_00477_43116_5196.N1	30-MAY-2010 05:33:56	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	43116	No
75	GOM_TRA_1PNPDE20100530_054220_000000522089_00477_43116_5197.N1	30-MAY-2010 05:42:20	Dark	51.500	18	24Alp PsA	1.1660	9700.0	103	43116	No
76	GOM_TRA_1PNPDE20100530_054550_000000622089_00478_43117_5198.N1	30-MAY-2010 05:45:50	Dark	62.000	63	Bet Gru	2.1500	2800.0	124	43117	No
77	GOM_TRA_1PNPDE20100530_054740_000000482089_00478_43117_5199.N1	30-MAY-2010 05:47:40	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43117	No
78	GOM_TRA_1PNPDE20100530_055245_000000422089_00478_43117_5200.N1	30-MAY-2010 05:52:45	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43117	No
79	GOM_TRA_1PNPDE20100530_060020_000000412089_00478_43117_5201.N1	30-MAY-2010 06:00:20	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	43117	No
80	GOM_TRA_1PNPDE20100530_060201_000000472089_00478_43117_5202.N1	30-MAY-2010 06:02:01	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43117	No
81	GOM_TRA_1PNPDE20100530_060349_000000472089_00478_43117_5203.N1	30-MAY-2010 06:03:49	Twilight	47.000	25	35Lam Sco	1.6200	28000.	94	43117	No
82	GOM_TRA_1PNPDE20100530_060539_000000442089_00478_43117_5204.N1	30-MAY-2010 06:05:39	Twilight	43.500	75	26Eps Sco	2.2910	4250.0	87	43117	No
83	GOM_TRA_1PNPDE20100530_060743_000000452089_00478_43117_5205.N1	30-MAY-2010 06:07:43	Bright	44.500	136	23Tau Sco	2.8220	30000.	89	43117	No
84	GOM_TRA_1PNPDE20100530_060950_000000422089_00478_43117_5206.N1	30-MAY-2010 06:09:50	Bright	42.000	80	7Del Sco	2.3160	30000.	84	43117	No
85	GOM_TRA_1PNPDE20100530_061125_000000482089_00478_43117_5207.N1	30-MAY-2010 06:11:25	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	43117	No
86	GOM_TRA_1PNPDE20100530_061319_000000432089_00478_43117_5208.N1	30-MAY-2010 06:13:19	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	43117	No
87	GOM_TRA_1PNPDE20100530_061531_000000412089_00478_43117_5209.N1	30-MAY-2010 06:15:31	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	43117	No
88	GOM_TRA_1PNPDE20100530_061833_000000382089_00478_43117_5210.N1	30-MAY-2010 06:18:33	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	43117	No
89	GOM_TRA_1PNPDE20100530_062430_000000402089_00478_43117_5211.N1	30-MAY-2010 06:24:30	Bright	39.500	67	5Alp CrB	2.2210	11000.	79	43117	No
90	GOM_TRA_1PNPDE20100530_062720_000000472089_00478_43117_5212.N1	30-MAY-2010 06:27:20	Bright	47.000	133	40Zet Her	2.8070	6000.0	94	43117	No
91	GOM_TRA_1PNPDE20100530_063510_000000412089_00478_43117_5213.N1	30-MAY-2010 06:35:10	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	43117	No
92	GOM_TRA_1PNPDE20100530_064543_000000472089_00478_43117_5214.N1	30-MAY-2010 06:45:43	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43117	No
93	GOM_TRA_1PNPDE20100530_210728_000000472089_00487_43126_5309.N1	30-MAY-2010 21:07:28	Straylight	47.000	40	The Sco	1.8590	7100.0	94	43126	No
94	GOM_TRA_1PNPDE20100530_210917_000000492089_00487_43126_5310.N1	30-MAY-2010 21:09:17	Twilight	49.000	25	35Lam Sco	1.6200	28000.	98	43126	No
95	GOM_TRA_1PNPDE20100530_211105_000000492089_00487_43126_5311.N1	30-MAY-2010 21:11:05	Twilight	48.500	75	26Eps Sco	2.2910	4250.0	97	43126	No
96	GOM_TRA_1PNPDE20100530_211308_000000502089_00487_43126_5312.N1	30-MAY-2010 21:13:08	Bright	50.000	136	23Tau Sco	2.8220	30000.	100	43126	No
97	GOM_TRA_1PNPDE20100530_211515_000000452089_00487_43126_5313.N1	30-MAY-2010 21:15:15	Bright	44.500	80	7Del Sco	2.3160	30000.	89	43126	No
98	GOM_TRA_1PNPDE20100530_211650_000000482089_00487_43126_5314.N1	30-MAY-2010 21:16:50	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	43126	No
99	GOM_TRA_1PNPDE20100530_211842_000000442089_00487_43126_5315.N1	30-MAY-2010 21:18:42	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	43126	No
100	GOM_TRA_1PNPDE20100530_212055_000000412089_00487_43126_5316.N1	30-MAY-2010 21:20:55	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	43126	No
101	GOM_TRA_1PNPDE20100530_212356_000000382089_00487_43126_5317.N1	30-MAY-2010 21:23:56	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43126	No
102	GOM_TRA_1PNPDE20100530_212952_000000402089_00487_43126_5318.N1	30-MAY-2010 21:29:52	Bright	40.000	67	5Alp CrB	2.2210	11000.	80	43126	No
103	GOM_TRA_1PNPDE20100530_213239_000000452089_00487_43126_5319.N1	30-MAY-2010 21:32:39	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	43126	No
104	GOM_TRA_1PNPDE20100530_214031_000000402089_00487_43126_5320.N1	30-MAY-2010 21:40:31	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	43126	No
105	GOM_TRA_1PNPDE20100530_215101_000000452089_00487_43126_5321.N1	30-MAY-2010 21:51:01	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43126	No
106	GOM_TRA_1PNPDE20100530_215551_000000552089_00487_43126_5322.N1	30-MAY-2010 21:55:51	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	43126	No
107	GOM_TRA_1PNPDE20100530_220332_000000432089_00487_43126_5323.N1	30-MAY-2010 22:03:32	Bright	42.500	53	43Bet And	2.0480	3300.0	85	43126	No
108	GOM_TRA_1PNPDE20100530_220613_000000532089_00487_43126_5324.N1	30-MAY-2010 22:06:13	Twilight	52.500	58	21Alp And	2.0730	11000.	105	43126	No
109	GOM_TRA_1PNPDE20100530_221103_000000512089_00487_43126_5325.N1	30-MAY-2010 22:11:03	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	43126	No
110	GOM_TRA_1PNPDE20100530_222001_000000462089_00487_43126_5329.N1	30-MAY-2010 22:20:01	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	43126	No
111	GOM_TRA_1PNPDE20100530_222831_000000532089_00487_43126_5330.N1	30-MAY-2010 22:28:31	Dark	53.000	18	24Alp PsA	1.1660	9700.0	106	43126	No
112	GOM_TRA_1PNPDE20100530_223348_000000462089_00488_43127_5331.N1	30-MAY-2010 22:33:48	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43127	No
113	GOM_TRA_1PNPDE20100530_223852_000000432089_00488_43127_5332.N1	30-MAY-2010 22:38:52	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43127	No
114	GOM_TRA_1PNPDE20100530_224624_000000432089_00488_43127_5333.N1	30-MAY-2010 22:46:24	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	43127	No
115	GOM_TRA_1PNPDE20100530_224804_000000462089_00488_43127_5334.N1	30-MAY-2010 22:48:04	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43127	No
116	GOM_TRA_1PNPDE20100530_224953_000000482089_00488_43127_5335.N1	30-MAY-2010 22:49:53	Twilight	47.500	25	35Lam Sco	1.6200	28000.	95	43127	No
117	GOM_TRA_1PNPDE20100530_225141_000000472089_00488_43127_5336.N1	30-MAY-2010 22:51:41	Twilight	47.000	75	26Eps Sco	2.2910	4250.0	94	43127	No
118	GOM_TRA_1PNPDE20100530_225344_000000552089_00488_43127_5337.N1	30-MAY-2010 22:53:44	Bright	54.500	136	23Tau Sco	2.8220	30000.	109	43127	No
119	GOM_TRA_1PNPDE20100530_225551_000000412089_00488_43127_5338.N1	30-MAY-2010 22:55:51	Bright	41.000	80	7Del Sco	2.3160	30000.	82	43127	No
120	GOM_TRA_1PNPDE20100530_225726_000000472089_00488_43127_5339.N1	30-MAY-2010 22:57:26	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	43127	No
121	GOM_TRA_1PNPDE20100530_225918_000000422089_00488_43127_5340.N1	30-MAY-2010 22:59:18	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	43127	No
122	GOM_TRA_1PNPDE20100530_230131_000000412089_00488_43127_5341.N1	30-MAY-2010 23:01:31	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	43127	No
123	GOM_TRA_1PNPDE20100530_230431_000000382089_00488_43127_5342.N1	30-MAY-2010 23:04:31	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43127	No
124	GOM_TRA_1PNPDE20100530_231028_000000412089_00488_43127_5343.N1	30-MAY-2010 23:10:28	Bright	40.500	67	5Alp CrB	2.2210	11000.	81	43127	No
125	GOM_TRA_1PNPDE20100530_231314_000000442089_00488_43127_5344.N1	30-MAY-2010 23:13:14	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	43127	No
126	GOM_TRA_1PNPDE20100530_232106_000000402089_00488_43127_5345.N1	30-MAY-2010 23:21:06	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	43127	No
127	GOM_TRA_1PNPDE20100530_233136_000000482089_00488_43127_5346.N1	30-MAY-2010 23:31:36	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43127	No
128	GOM_TRA_1PNPDE20100530_233627_000000552089_00488_43127_5347.N1	30-MAY-2010 23:36:27	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	43127	No

129	GOM_TRA_1PNPDE20100530_234409_000000442089_00488_43127_5348.N1	30-MAY-2010 23:44:09	Bright	43.500	53	43Bet And	2.0480	3300.0	87	43127	No
130	GOM_TRA_1PNPDE20100530_234648_000000532089_00488_43127_5349.N1	30-MAY-2010 23:46:48	Twilight_stray	52.500	58	21Alp And	2.0730	11000.	105	43127	No
131	GOM_TRA_1PNPDE20100530_235140_000000522089_00488_43127_5350.N1	30-MAY-2010 23:51:40	Dark	52.000	140	88Gam Peg	2.8340	26000.	104	43127	No

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



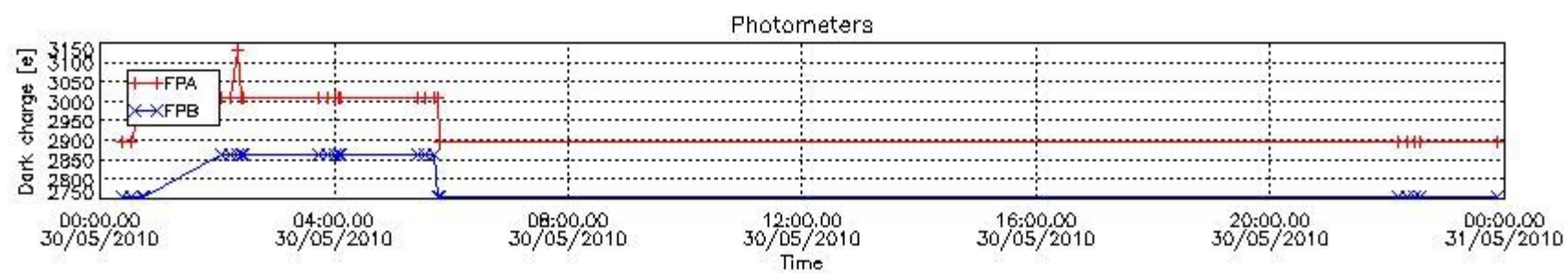
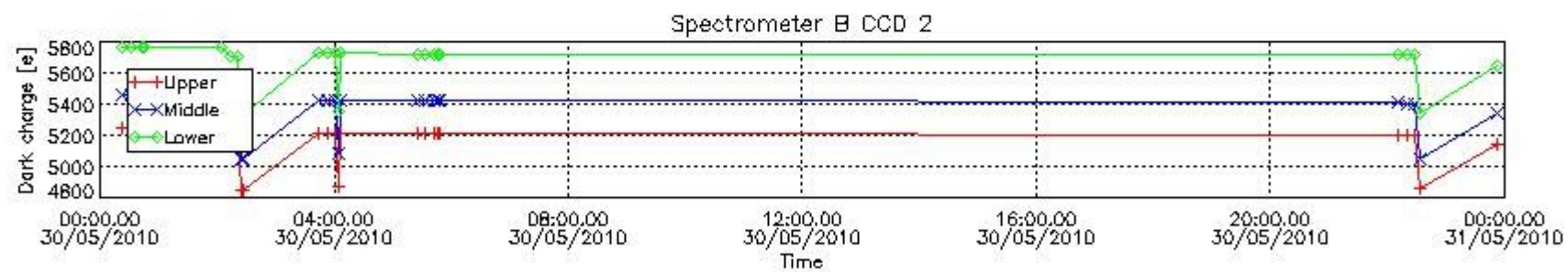
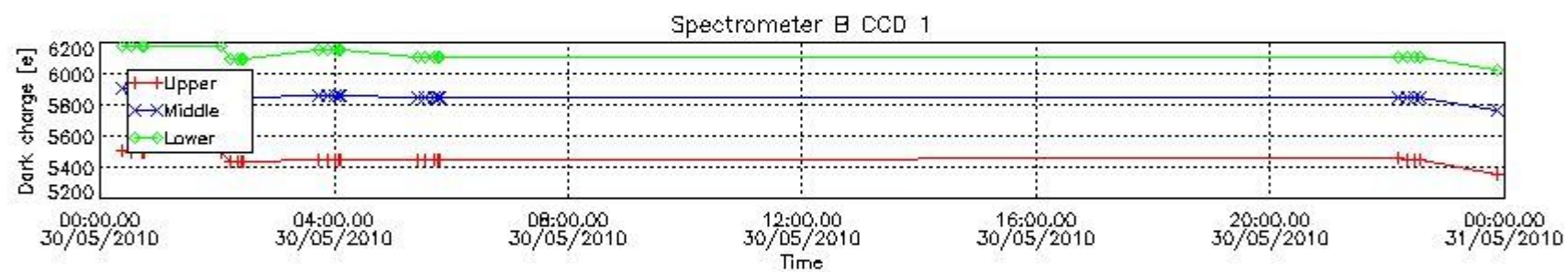
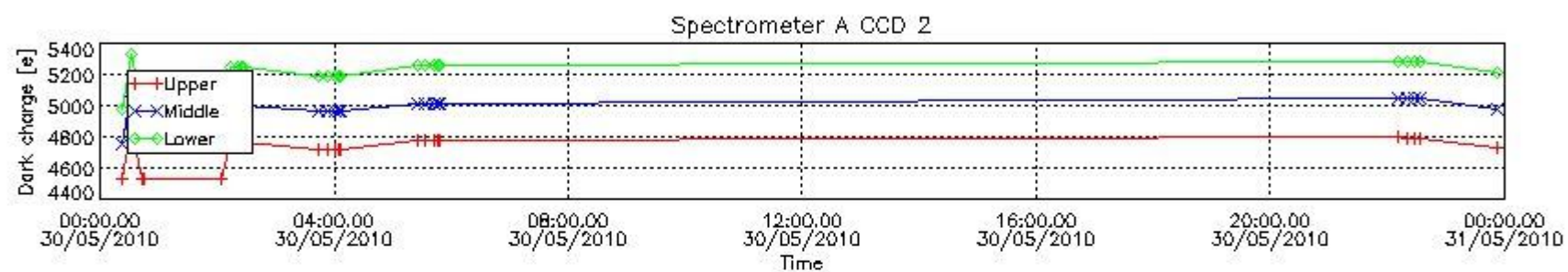
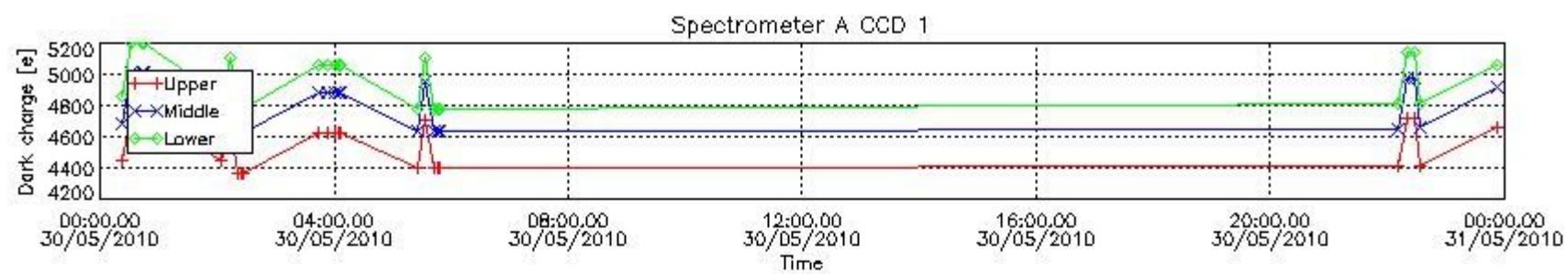
4. Overview of dark signal processing per product

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 All products used the DSA observation for the DC computation

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



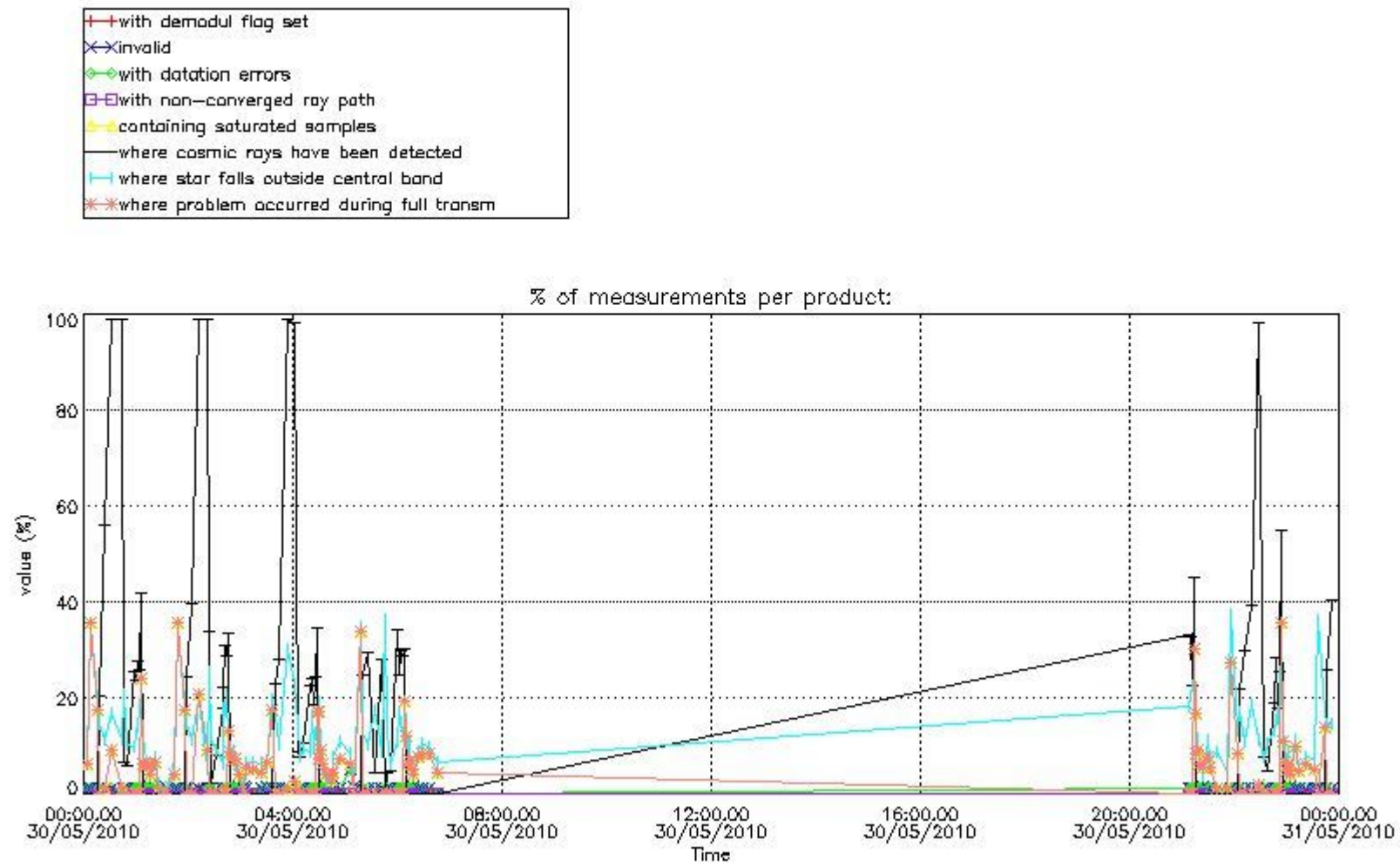
5. Demodulation flag and quality information monitoring

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.

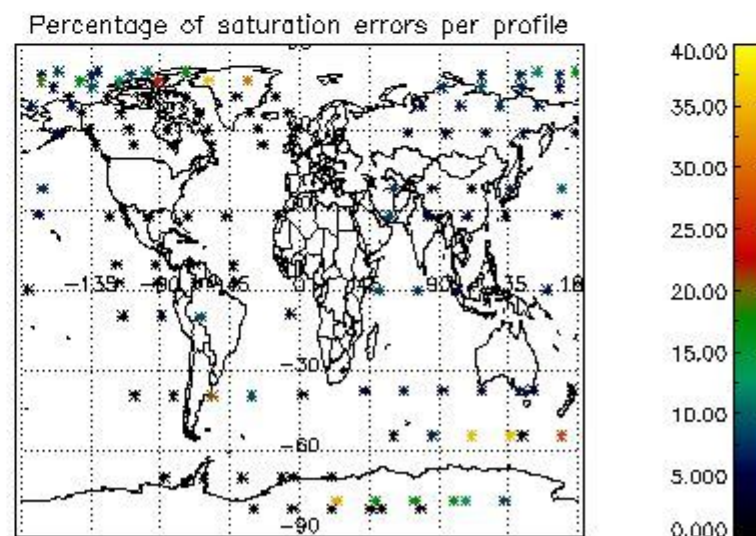
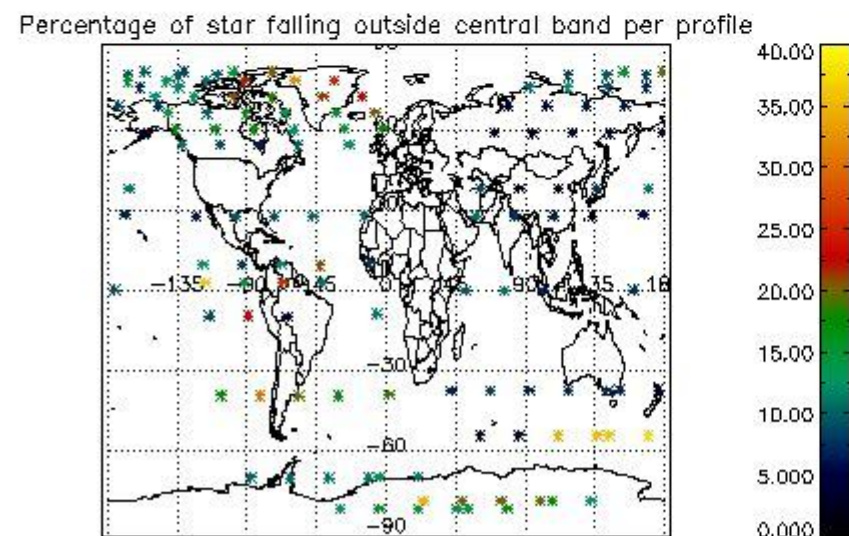
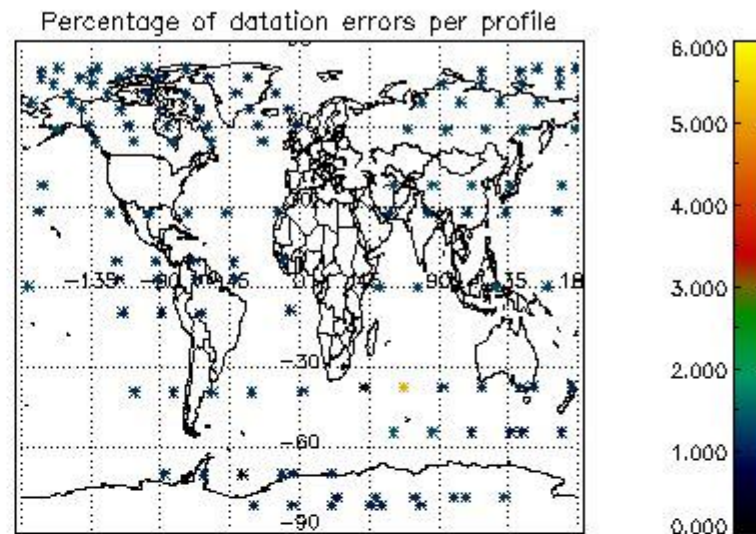
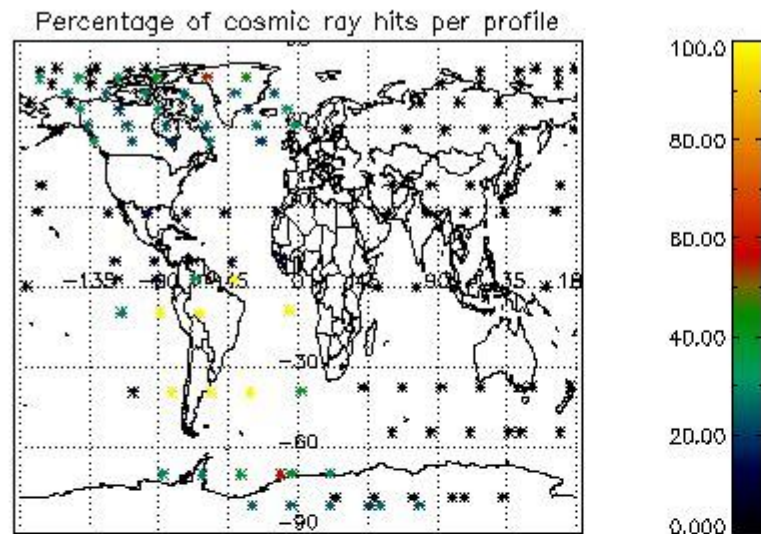
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	35.8779 %
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)



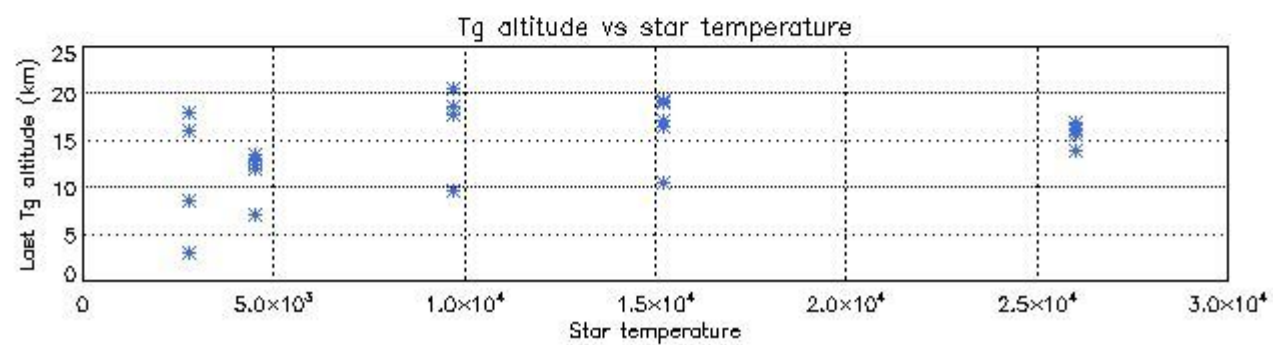
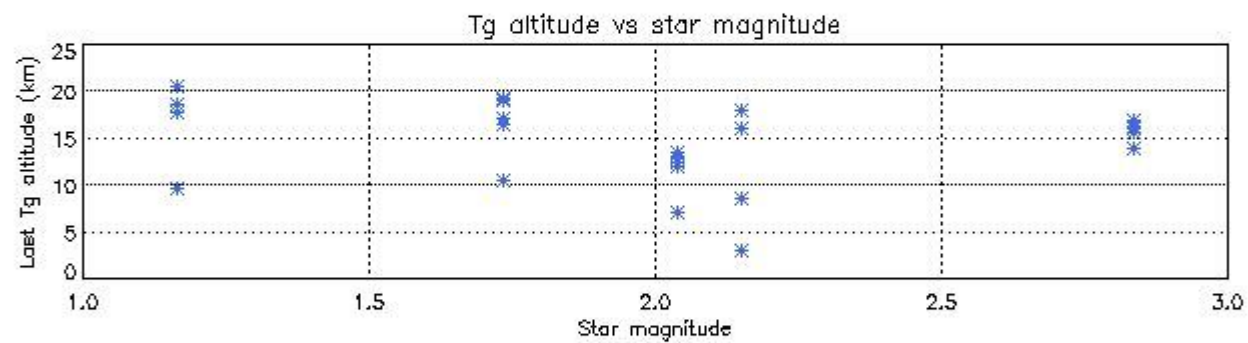
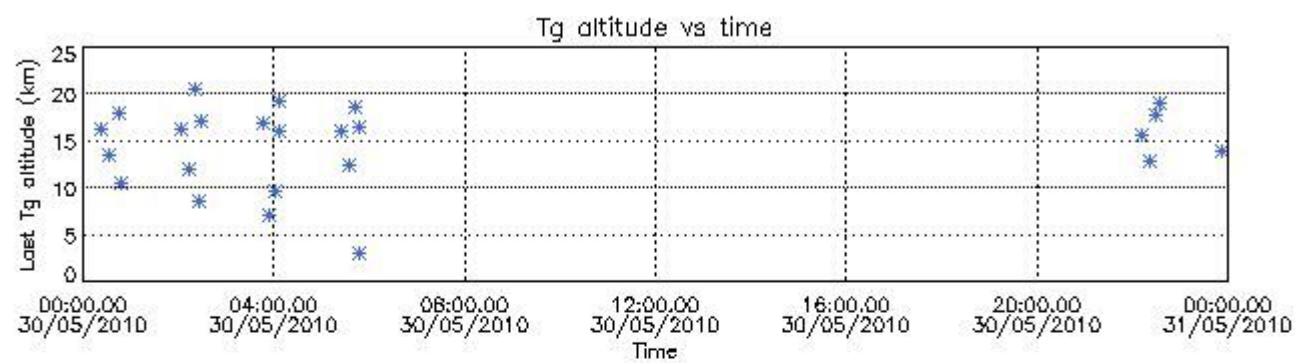
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.429	17.707	NaN
St. deviation:	4.2972	5.3062	NaN
Maximum:	20.514	27.722	NaN
Minimum:	2.9091	4.0646	NaN
Number of data:	24.000	73.000	NaN

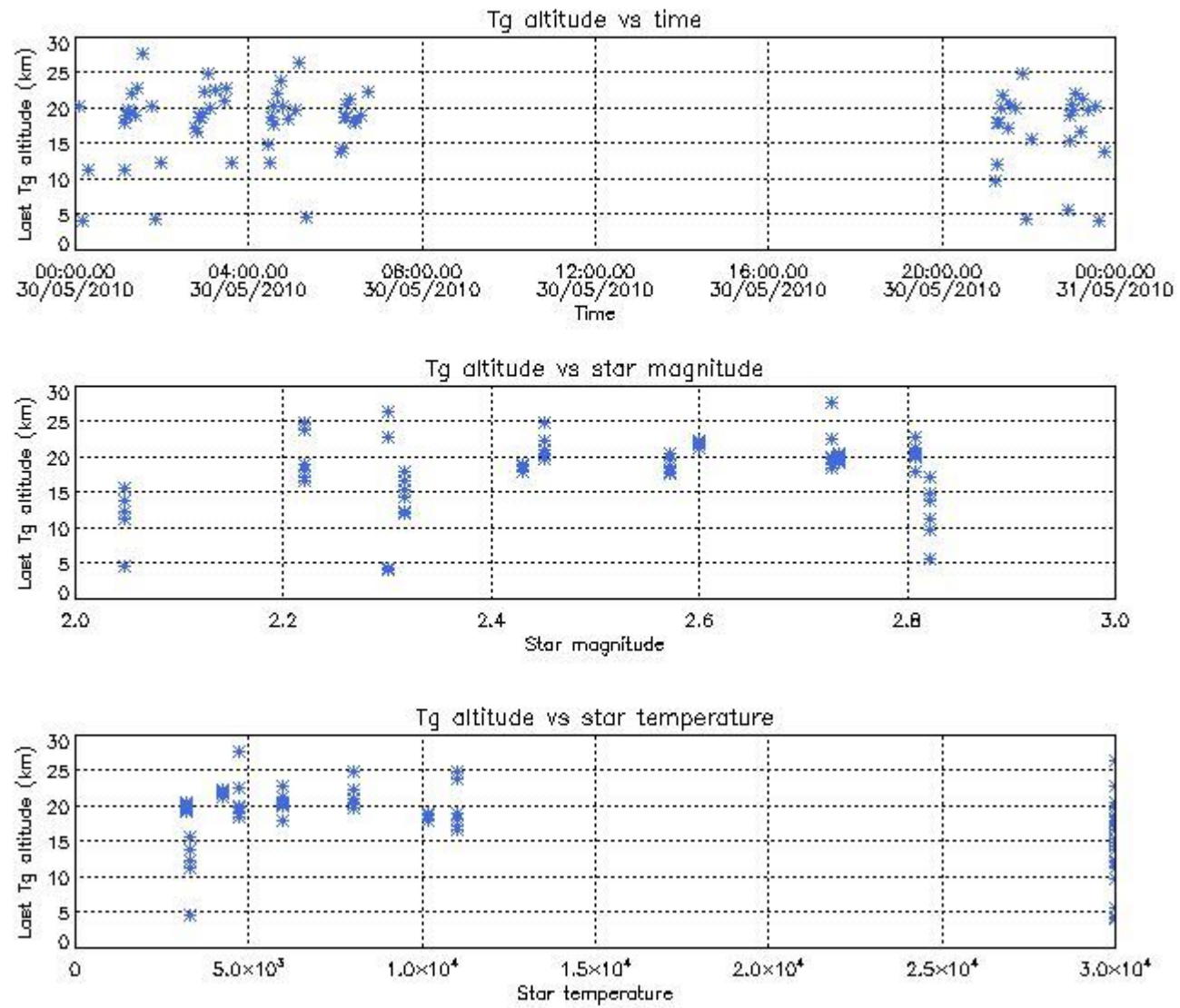
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

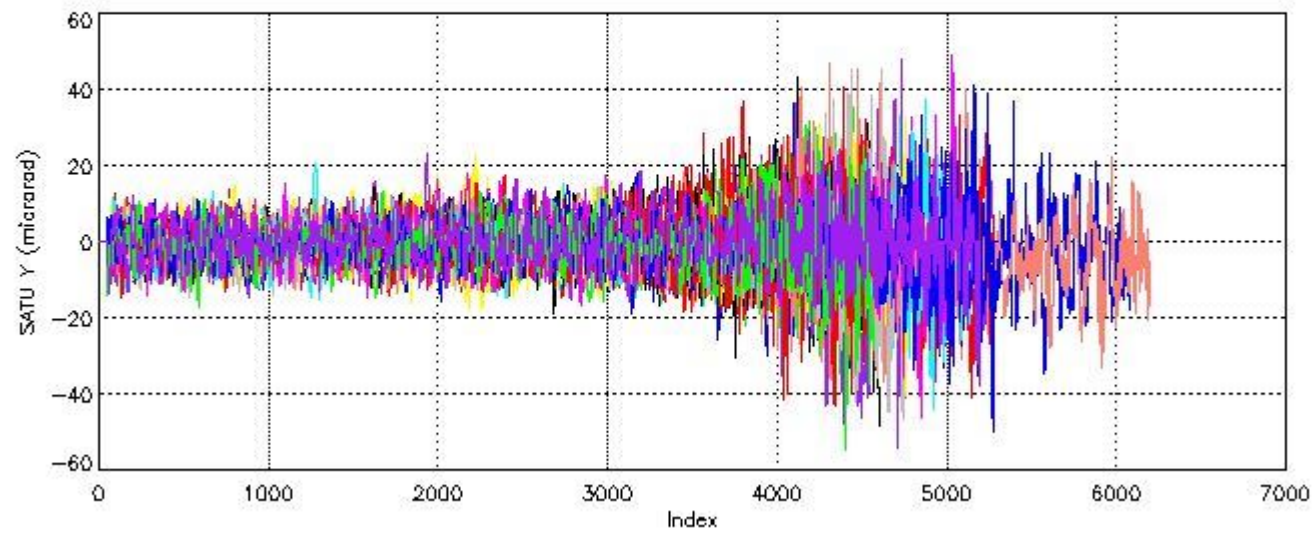
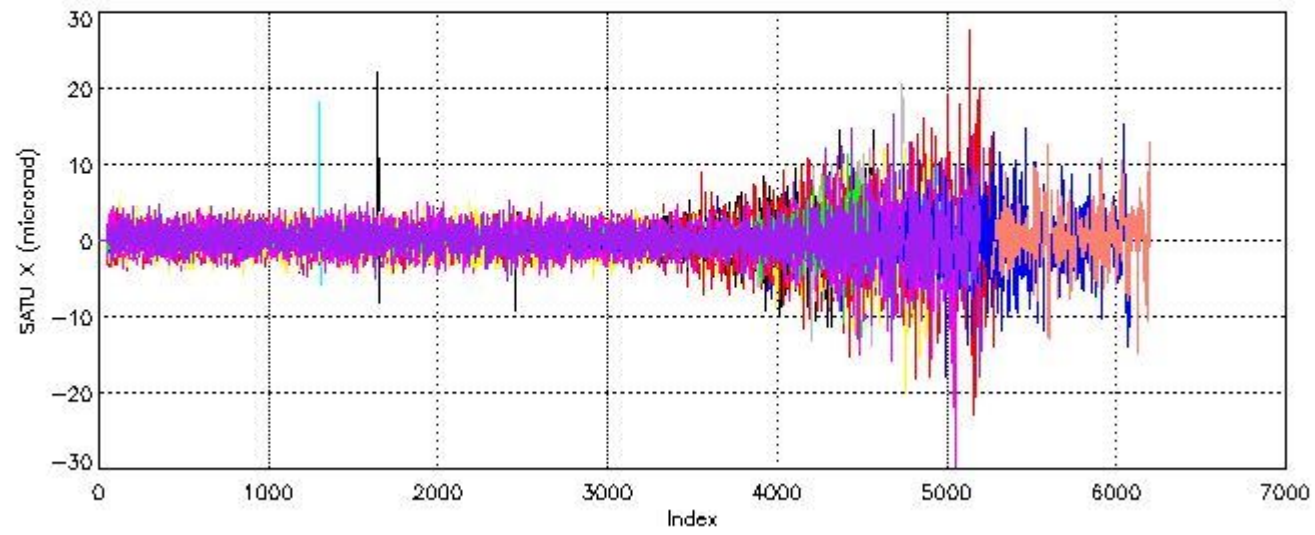


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22701	-0.74388	0.22697	-0.77915
St. deviation:	0.59989	4.1469	0.80703	4.0820
Maximum:	5.1000	15.300	6.2000	15.600
Minimum:	-4.4000	-17.400	-11.900	-17.700

Number of data:	25650.	25650.	71350.	71350.
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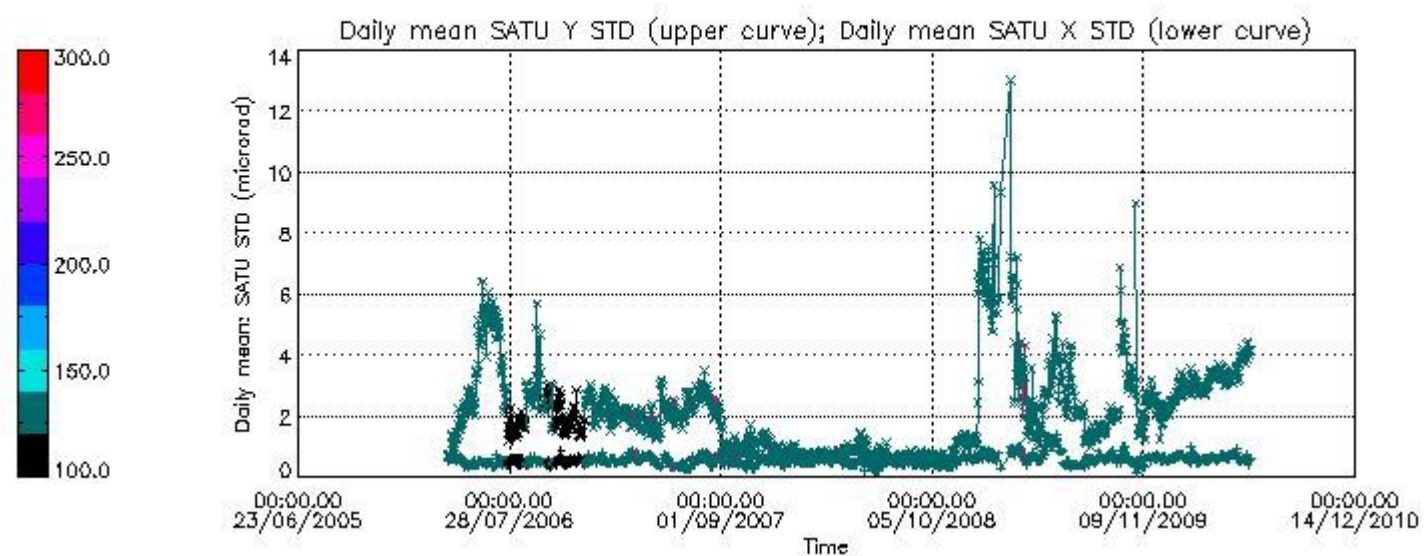
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

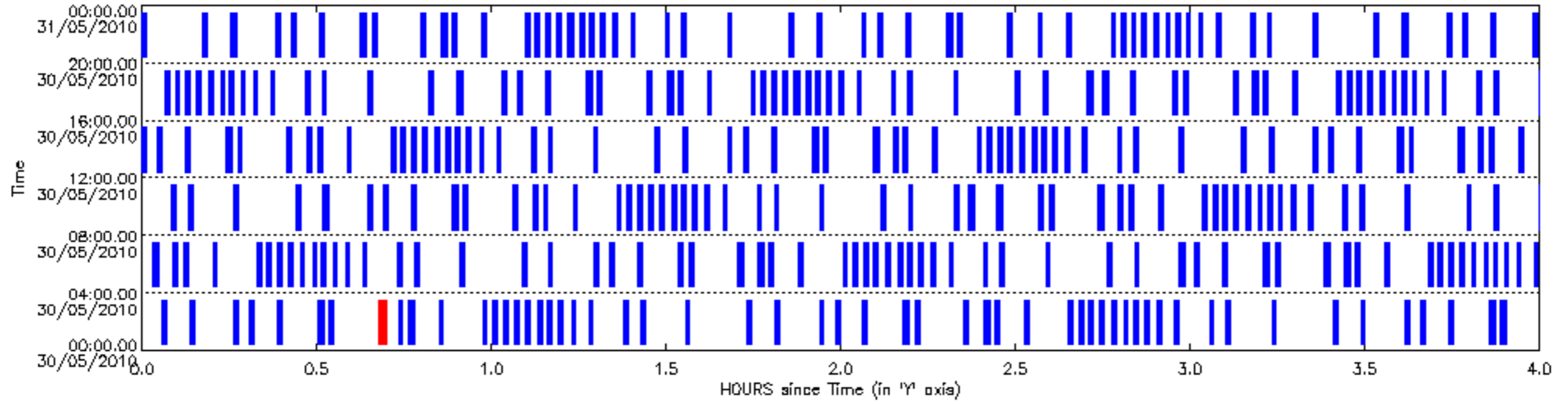
Lower curve: STD of SATU X axis

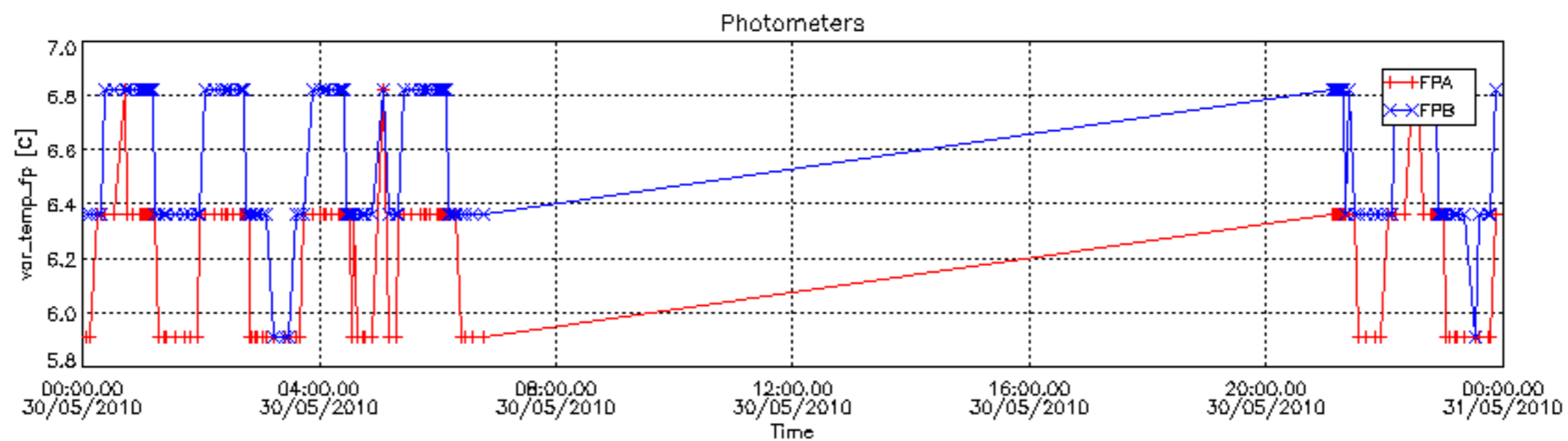
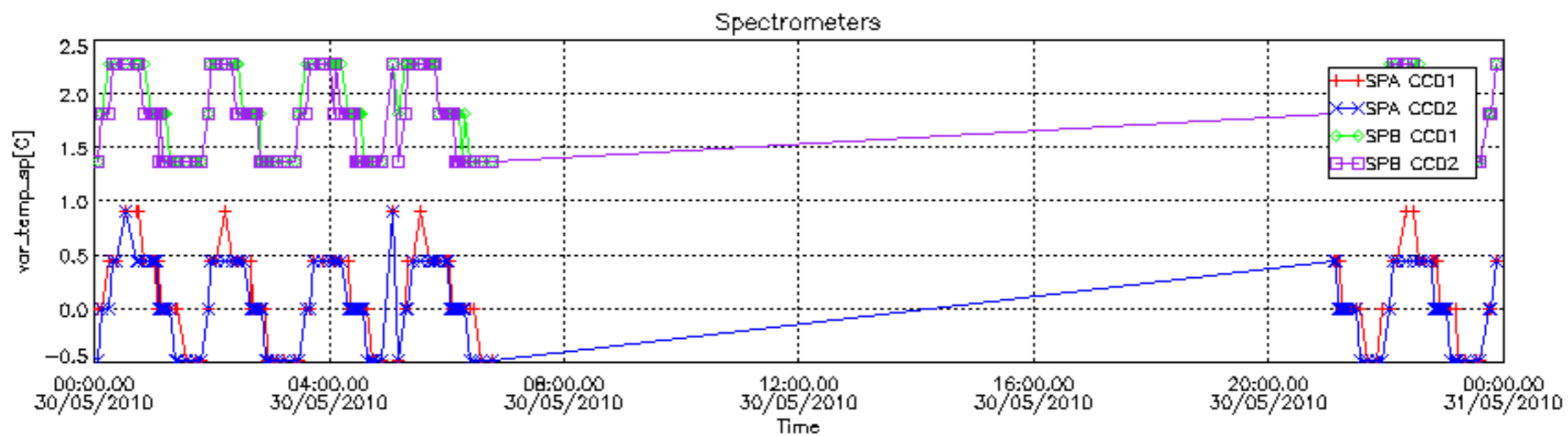


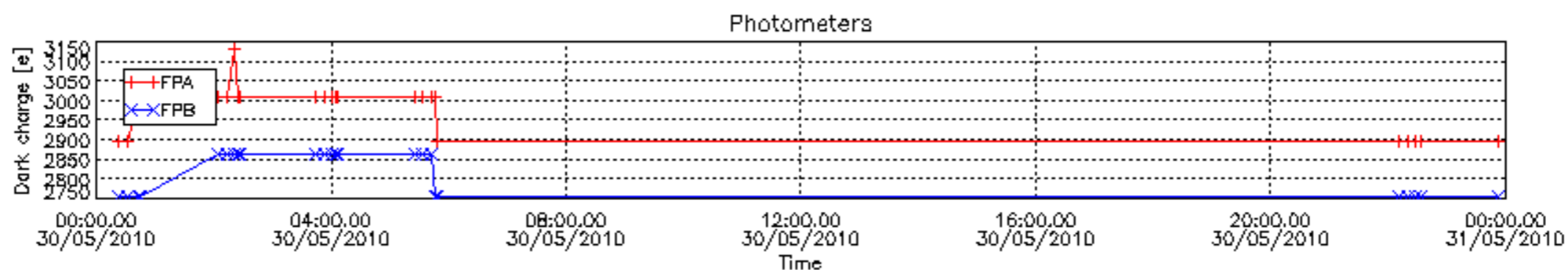
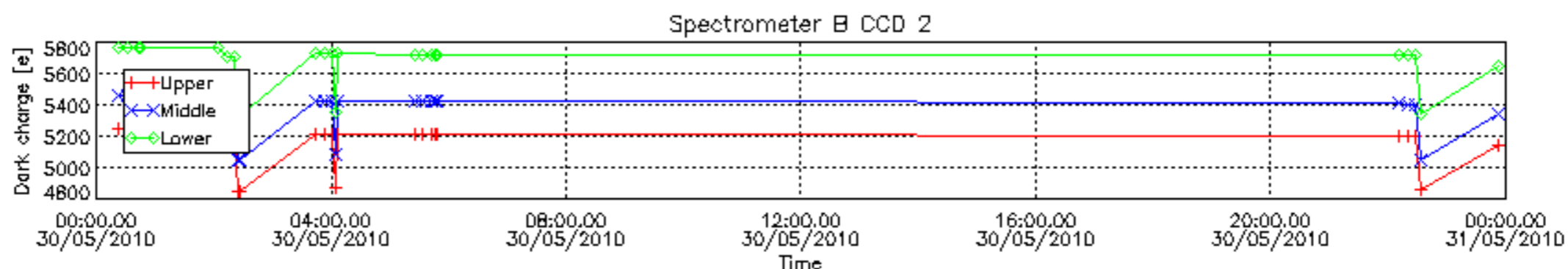
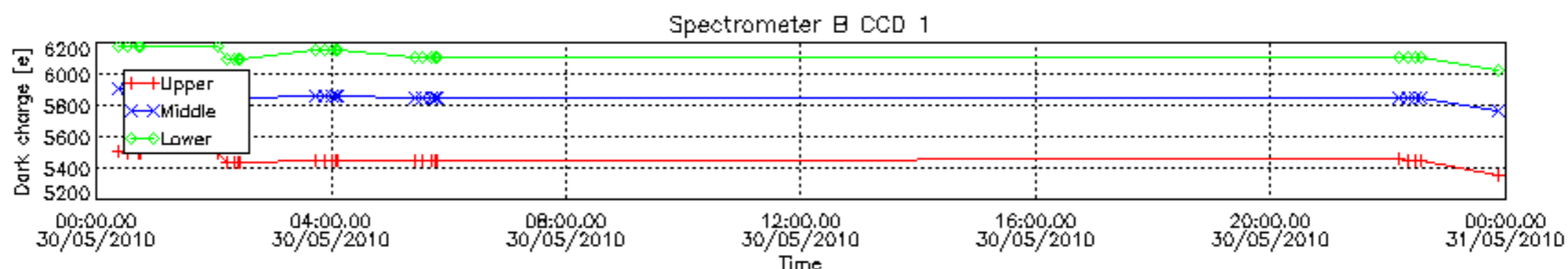
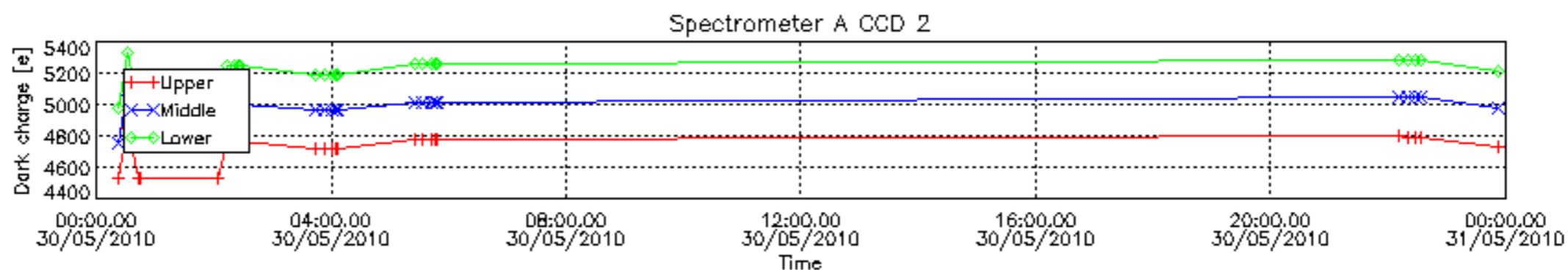
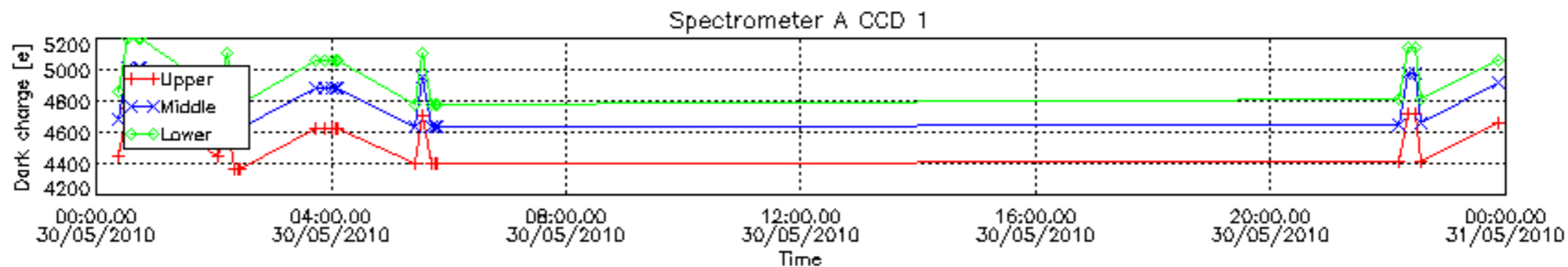
8. Auxiliary Data Files used for the production reported in section 2.4

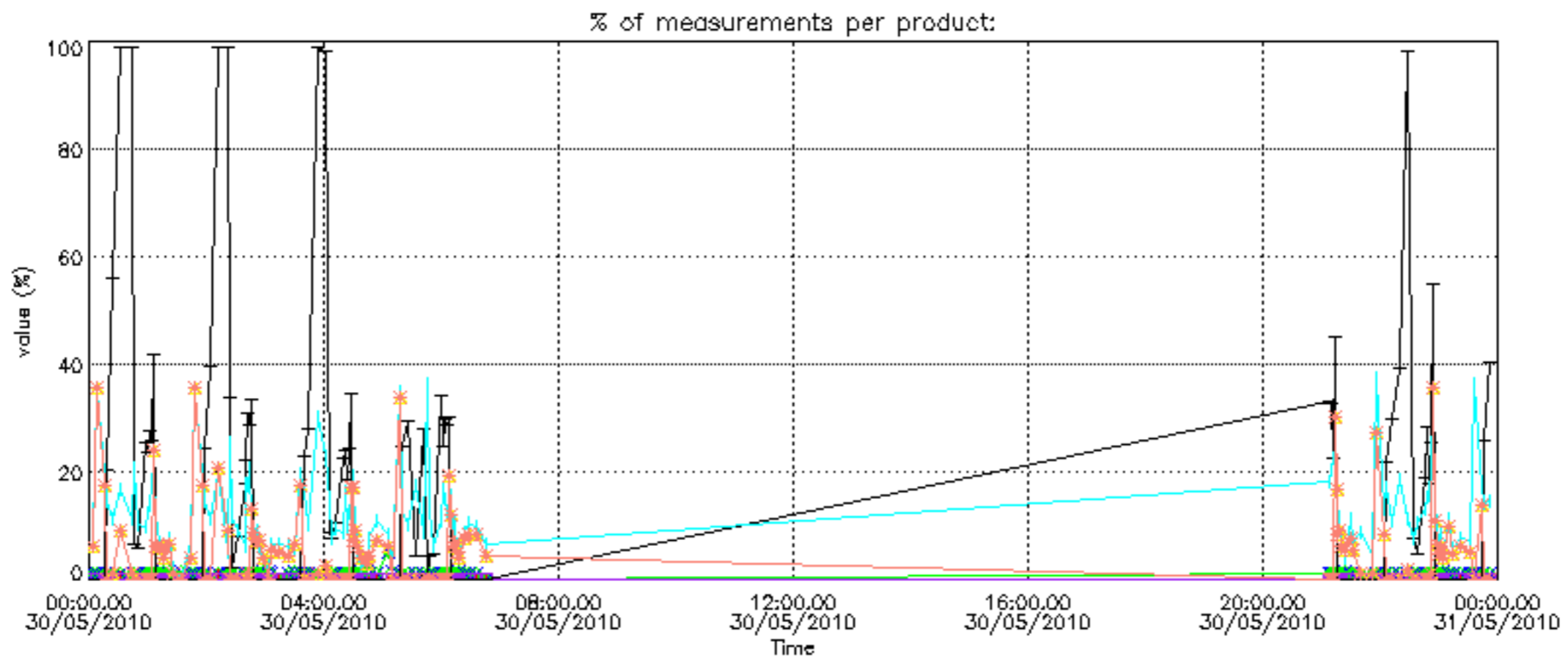
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-MAY-2010 00:03:21
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100526_084407_20100525_000000_20500101_000000	1	30-MAY-2010 00:03:21
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	30-MAY-2010 00:03:21
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	30-MAY-2010 00:03:21
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	30-MAY-2010 00:03:21
ECMWF_FILE	AUX_ECF_AXNECM20100529_054113_20100529_210000_20100530_090000	1	30-MAY-2010 00:03:21
ECMWF_FILE	AUX_ECF_AXNECM20100529_172113_20100530_030000_20100530_150000	46	30-MAY-2010 03:24:31
ECMWF_FILE	AUX_ECA_AXNECM20100530_052114_20100529_210000_20100530_090000	69	30-MAY-2010 05:05:07
ECMWF_FILE	AUX_ECF_AXNECM20100530_054113_20100530_210000_20100531_090000	93	30-MAY-2010 21:07:28
OPTIONAL_ECMWF_FILE	MISSING	1	30-MAY-2010 00:03:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100529_224835_000057382089_00473_43112_0449.N1	1	30-MAY-2010 00:03:21
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100529_092114_20100528_183223_20100607_213913	6	30-MAY-2010 00:32:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100530_020510_000041442089_00475_43114_0451.N1	28	30-MAY-2010 02:12:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100530_031933_000057382089_00476_43115_0452.N1	46	30-MAY-2010 03:24:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100530_050030_000057382089_00477_43116_0453.N1	69	30-MAY-2010 05:05:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100530_210211_000041442089_00487_43126_0454.N1	93	30-MAY-2010 21:07:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100530_221634_000057382089_00487_43126_0455.N1	110	30-MAY-2010 22:20:01

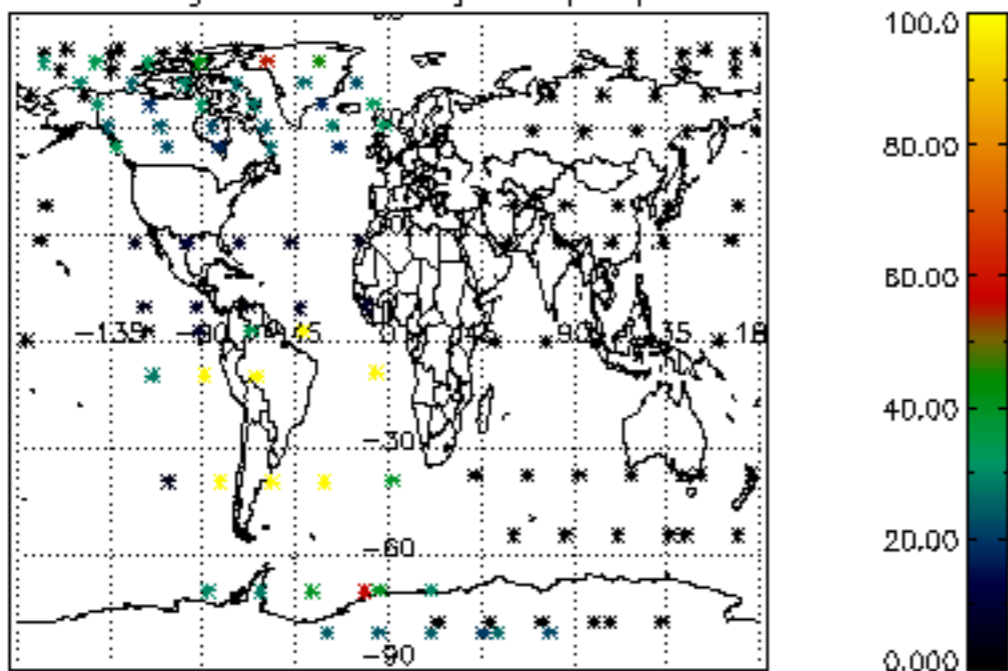




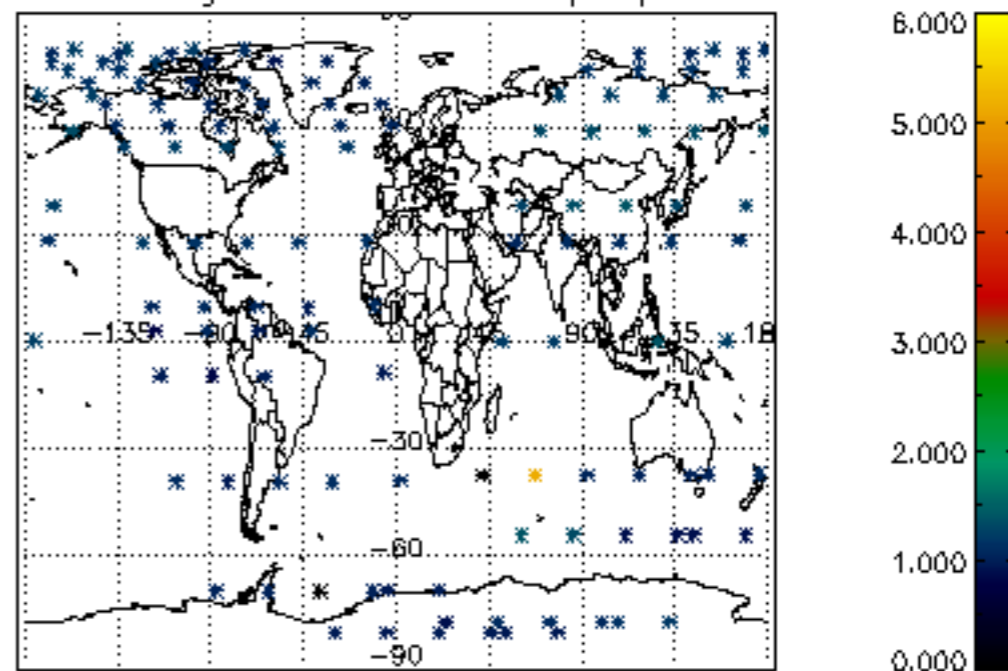




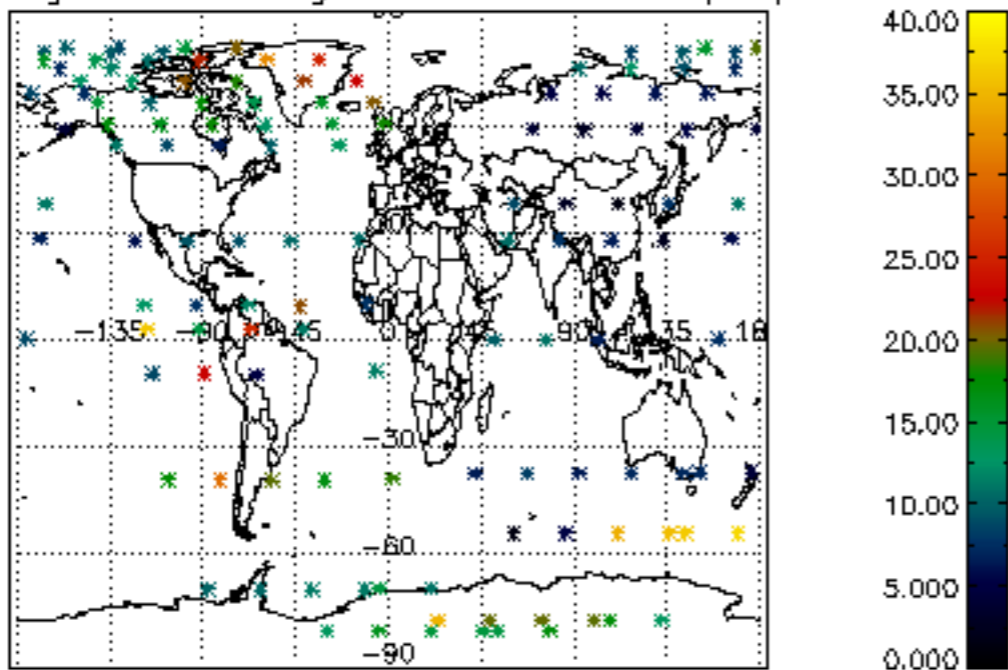
Percentage of cosmic ray hits per profile



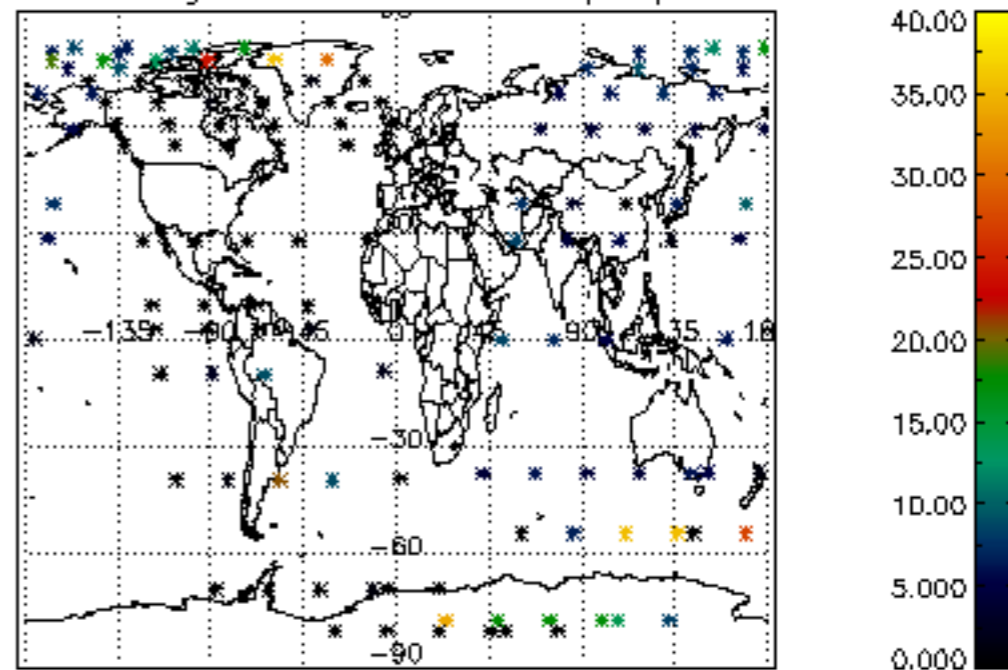
Percentage of datation errors per profile



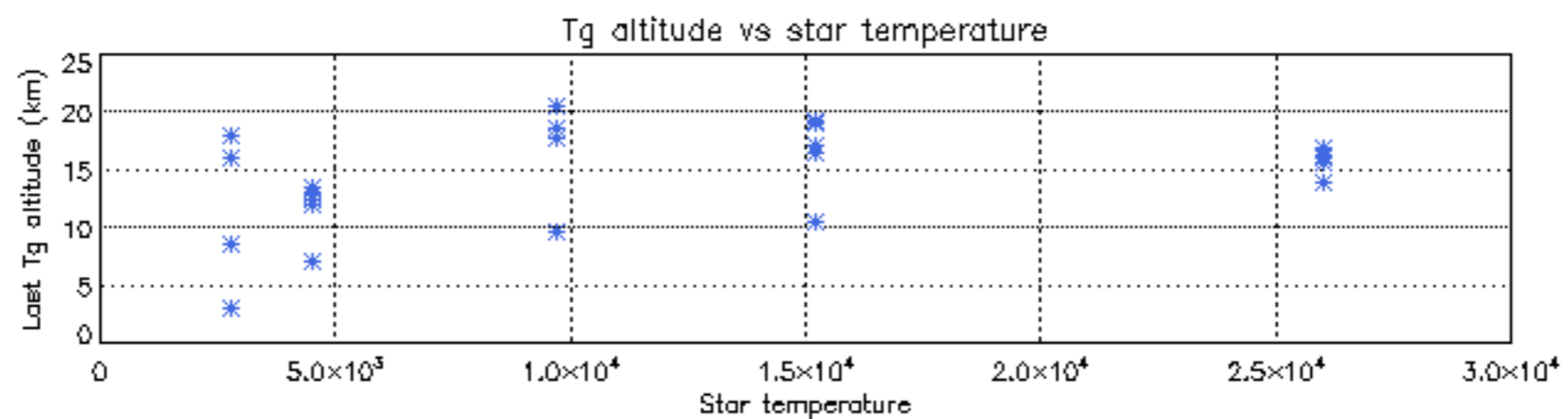
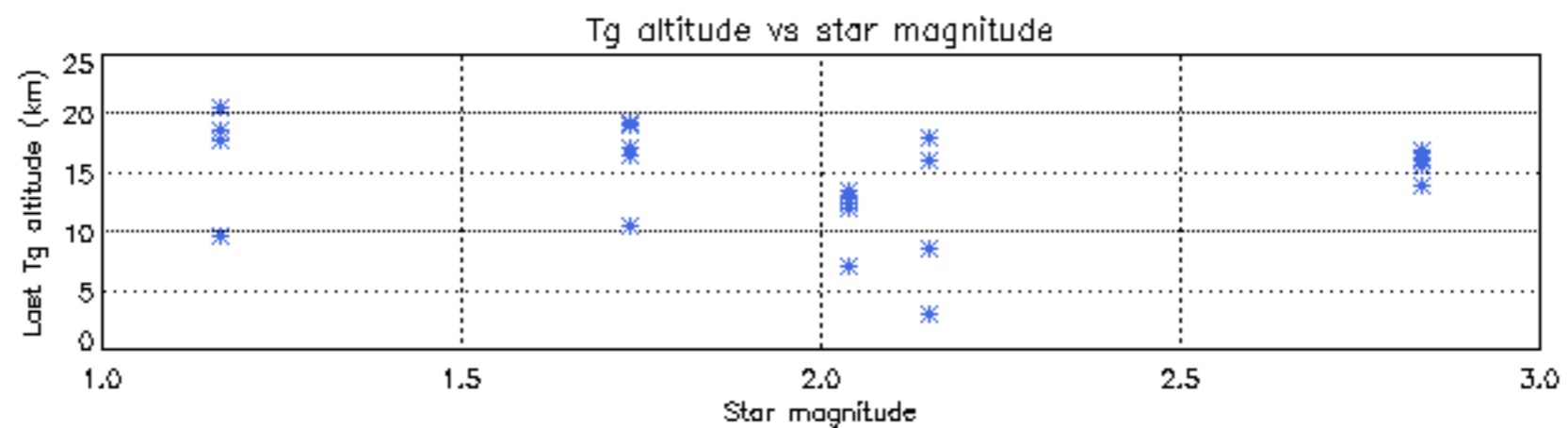
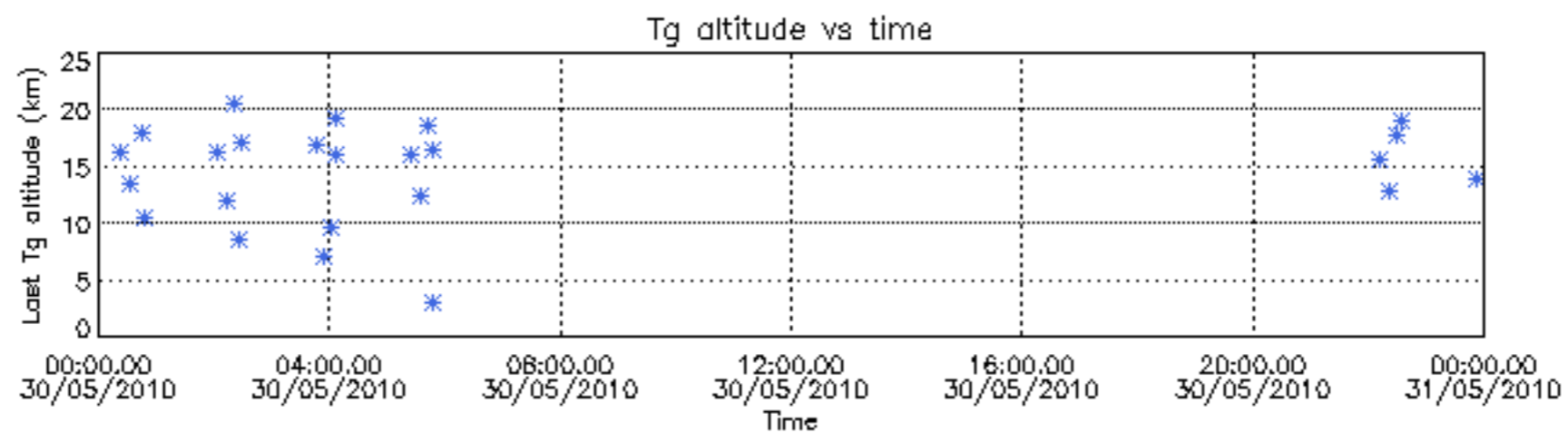
Percentage of star falling outside central band per profile



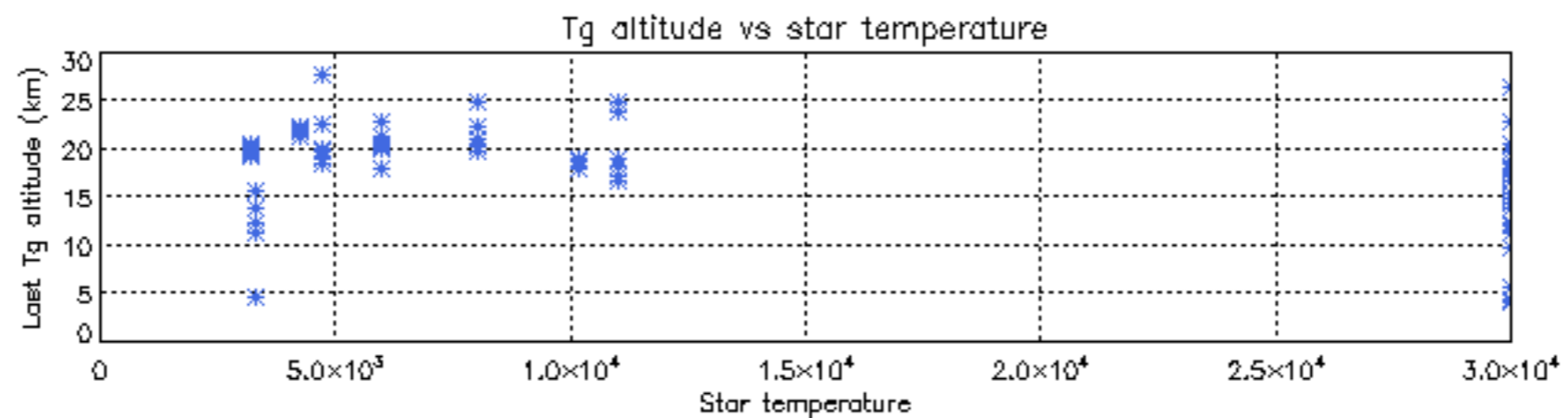
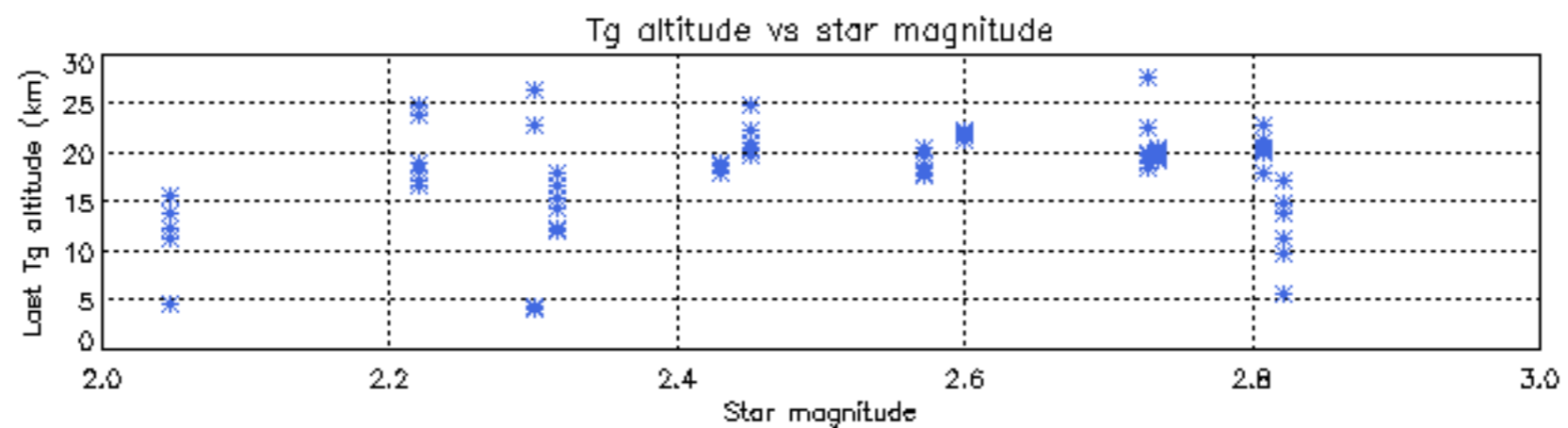
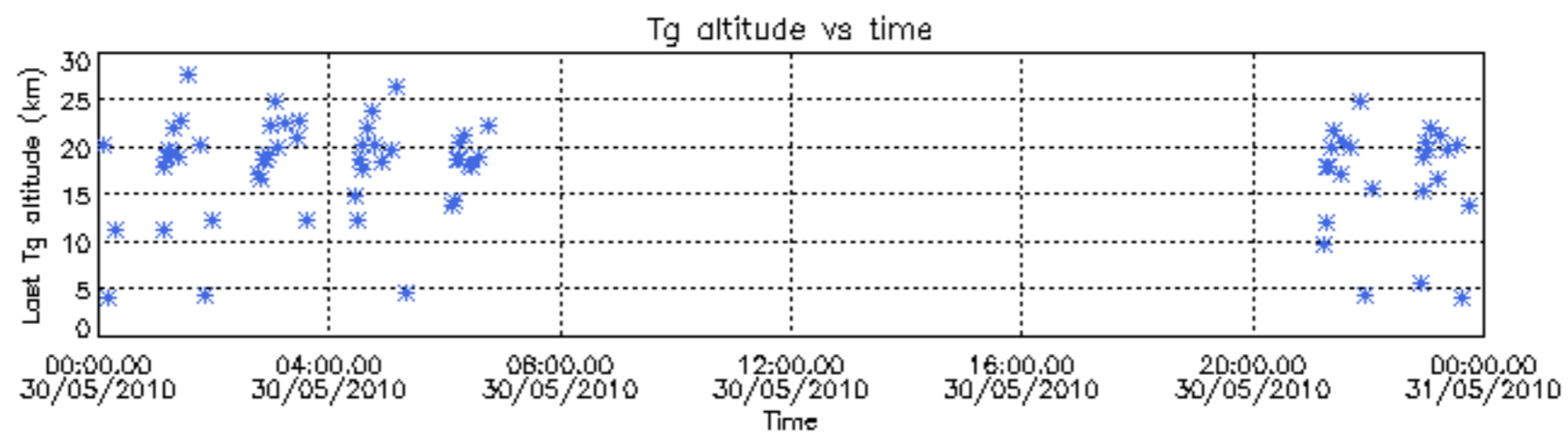
Percentage of saturation errors per profile

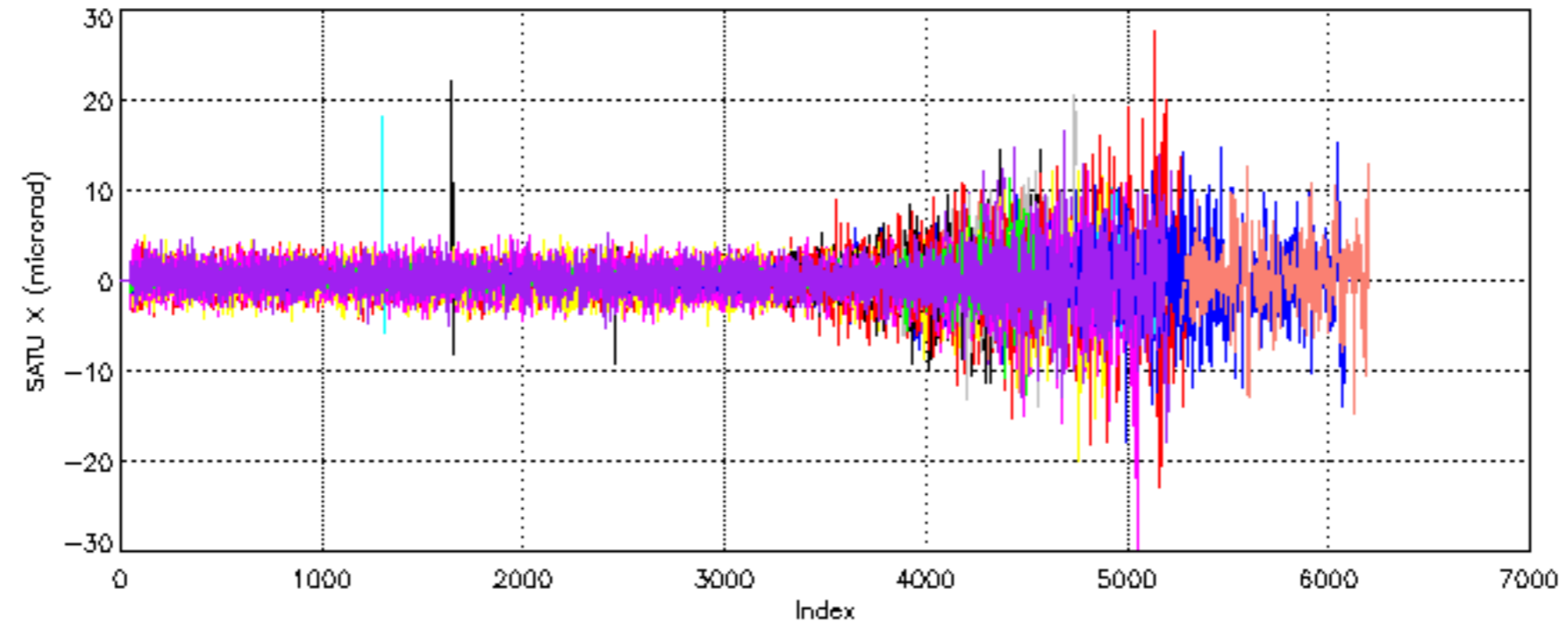


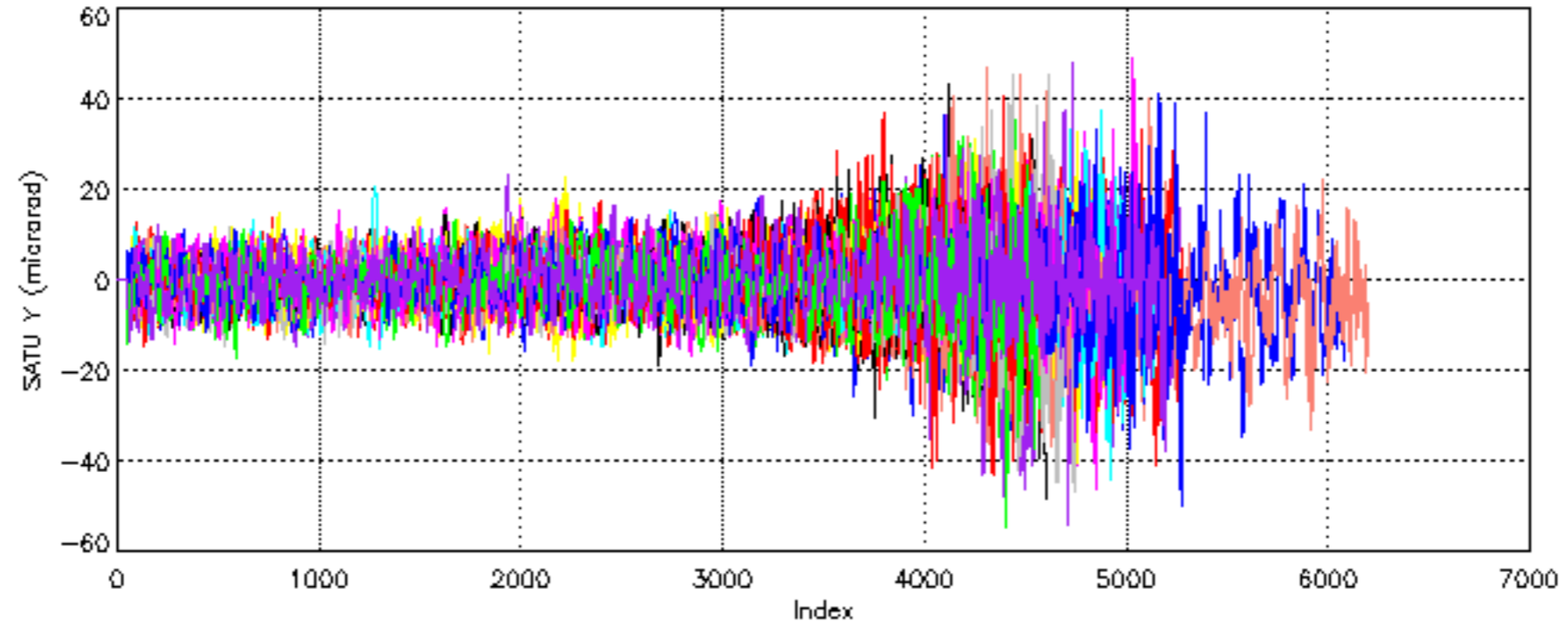
Tangent altitude at which the star is lost

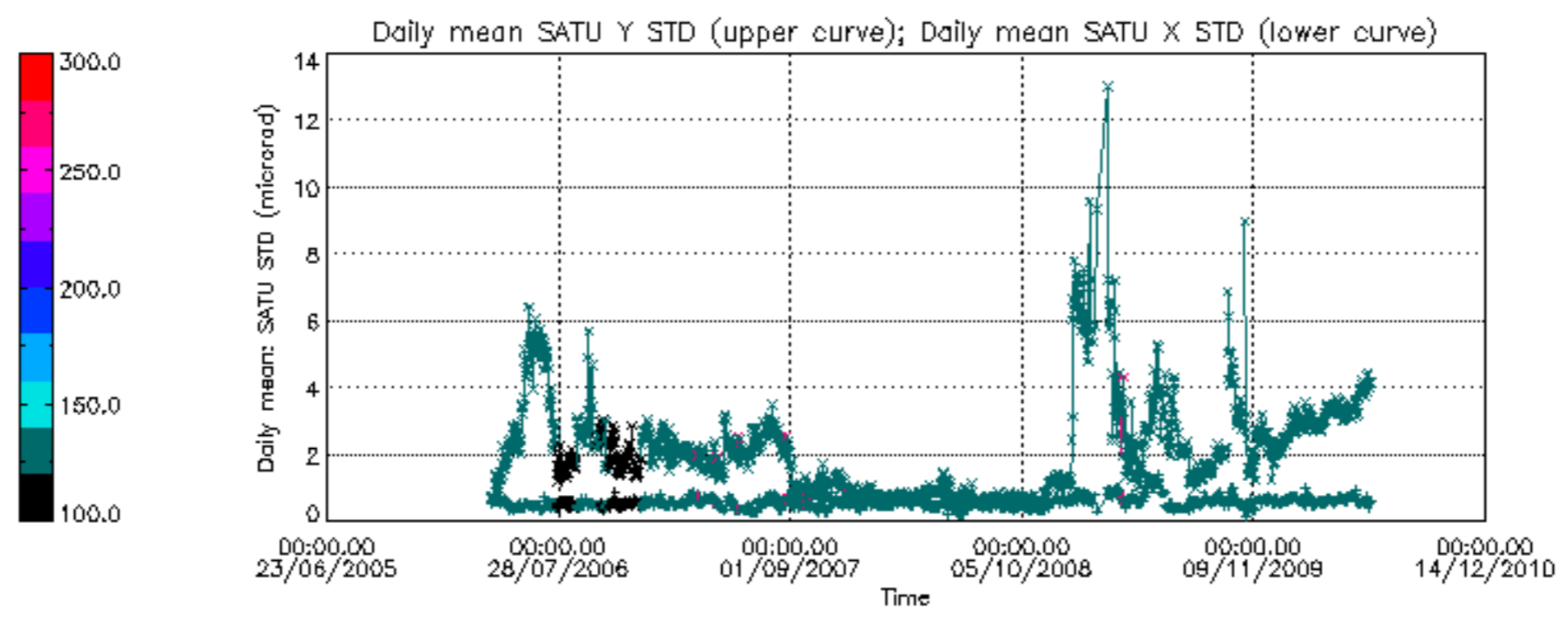


Tangent altitude at which the star is lost









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 3; 634.8; 01-MAY-2010 01:05:14; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42699
 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
 6; 1038.5; 01-MAY-2010 01:11:57; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42699
 7; 1264.4; 01-MAY-2010 01:15:43; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42699
 8; 1399.6; 01-MAY-2010 01:17:58; Dark ; 58.5; 80; 7Del Sco ; 2.32; 30000;occ; 117; 0;42699
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 10; 1728.2; 01-MAY-2010 01:23:27; Bright; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;42699
 11; 2233.6; 01-MAY-2010 01:31:52; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42699
 12; 2456.5; 01-MAY-2010 01:35:35; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42699
 13; 2637.1; 01-MAY-2010 01:38:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42699
 14; 2770.6; 01-MAY-2010 01:40:49; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;42699
 15; 3211.4; 01-MAY-2010 01:48:10; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42699
 16; 3829.0; 01-MAY-2010 01:58:28; Bright; 50.5; 89; 5Alp Cep ; 2.45; 8000;occ; 101; 0;42699
 17; 4140.5; 01-MAY-2010 02:03:39; Bright; 32.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 64; 0;42699
 18; 4508.1; 01-MAY-2010 02:09:47; Dark ; 51.5; 164; 44Eta Peg ; 2.95; 5400;occ; 103; 0;42699
 19; 4773.4; 01-MAY-2010 02:14:12; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42699
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 3; -636.8; 01-MAY-2010 02:24:38; Dark ; 62.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 124; 0;42699
 4; -479.6; 01-MAY-2010 02:27:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42699
 5; 635.3; 01-MAY-2010 02:45:50; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42700
 6; 746.6; 01-MAY-2010 02:47:41; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42700
 7; 851.7; 01-MAY-2010 02:49:26; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42700
 8; 1039.1; 01-MAY-2010 02:52:34; Dark ; 64.5; 75; 26Eps Sco ; 2.29; 4250;occ; 129; 0;42700
 9; 1264.8; 01-MAY-2010 02:56:19; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42700
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 11; 1590.1; 01-MAY-2010 03:01:45; Bright; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;42700
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 13; 2233.6; 01-MAY-2010 03:12:28; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42700
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 15; 2636.6; 01-MAY-2010 03:19:11; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42700
 16; 2770.8; 01-MAY-2010 03:21:25; Bright; 40.0; 39; 85Eta UMA ; 1.85; 24000;occ; 80; 0;42700
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 10; 635.9; 01-MAY-2010 04:26:27; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42701
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9; -238.3; 01-MAY-2010 05:52:28; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;42701
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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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9; 2632.0; 01-MAY-2010 20:05:06; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42710
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13; 4509.7; 01-MAY-2010 20:36:24; Dark ; 49.5; 164; 44Eta Peg ; 2.95; 5400;occ; 99; 0;42710
14; 4776.8; 01-MAY-2010 20:40:51; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42710
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8; 1403.6; 01-MAY-2010 23:05:50; Dark ; 60.5; 80; 7Del Sco ; 2.32; 30000;occ; 121; 0;42712
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 3; 2248.0; 06-MAY-2010 07:17:02; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;42774
 4; 2422.5; 06-MAY-2010 07:19:56; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42774
 5; 2517.9; 06-MAY-2010 07:21:32; Bright; 48.5; 67; 5Alp CrB ; 2.22; 11000;occ; 97; 0;42774
 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774
 7; 3804.7; 06-MAY-2010 07:42:59; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42774
 8; 4550.1; 06-MAY-2010 07:55:24; Dark ; 53.0; 93; 53Bet Peg ; 2.52; 3100;occ; 106; 0;42774
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 11; 5650.6; 06-MAY-2010 08:13:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42774
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 17; 7457.3; 06-MAY-2010 08:43:51; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42775
 18; 7634.5; 06-MAY-2010 08:46:48; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42775
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 4; 2422.0; 06-MAY-2010 09:00:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42775
 5; 2517.2; 06-MAY-2010 09:02:07; Bright; 50.5; 67; 5Alp CrB ; 2.22; 11000;occ; 101; 0;42775
 6; 3165.8; 06-MAY-2010 09:12:56; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42775
 7; 3804.4; 06-MAY-2010 09:23:34; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42775
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 12; 5855.9; 06-MAY-2010 09:57:46; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42775
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 16; 7335.6; 06-MAY-2010 10:22:25; Dark ; 73.0; 16; 21Alp Sco ; 1.02; 3000;occ; 146; 0;42776
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 3; 2103.9; 06-MAY-2010 10:35:50; Bright; 52.5; 102; 24Alp Ser ; 2.60; 4250;occ; 105; 0;42776
 4; 2247.6; 06-MAY-2010 10:38:13; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42776
 5; 2421.8; 06-MAY-2010 10:41:07; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42776
 6; 2516.5; 06-MAY-2010 10:42:42; Bright; 49.5; 67; 5Alp CrB ; 2.22; 11000;occ; 99; 0;42776
 7; 3165.3; 06-MAY-2010 10:53:31; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42776
 8; 3803.7; 06-MAY-2010 11:04:09; Bright; 63.0; 89; 5Alp Cep ; 2.45; 8000;occ; 126; 0;42776
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 11; 5245.5; 06-MAY-2010 11:28:11; Dark ; 61.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 122; 0;42776
 12; 5653.3; 06-MAY-2010 11:34:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42776
 13; 5856.9; 06-MAY-2010 11:38:23; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42776
 14; 6821.2; 06-MAY-2010 11:54:27; Dark ; 66.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 133; 0;42777

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 5; 2421.1; 06-MAY-2010 12:21:43; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42777
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 8; 3803.6; 06-MAY-2010 12:44:45; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42777
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11; 5246.6; 06-MAY-2010 13:08:48; Dark ; 60.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 121; 0;42777
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 5; 2247.0; 06-MAY-2010 13:59:24; Bright; 39.5; 3; 16Alp Boo ; -0.05; 4250;occ; 79; 0;42778
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 3; 813.8; 06-MAY-2010 16:56:43; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42780
 4; 928.7; 06-MAY-2010 16:58:38; Dark ; 34.0; 115; 34Ups Sco ; 2.70; 26000;occ; 68; 0;42780
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 3; -99.0; 06-MAY-2010 23:23:54; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42783
 4; 235.4; 06-MAY-2010 23:29:29; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42784
 5; 686.1; 06-MAY-2010 23:36:59; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42784
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 7; 932.0; 06-MAY-2010 23:41:05; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42784
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13; 2223.4; 07-MAY-2010 00:02:37; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42784
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16; 2754.9; 07-MAY-2010 00:11:28; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42784
17; 2842.0; 07-MAY-2010 00:12:55; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42784
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 9; 2842.1; 06-MAY-2010 17:30:32; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;42780
 10; 3203.3; 06-MAY-2010 17:36:33; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;42780
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 18; 6269.2; 06-MAY-2010 18:27:39; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;42781
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 17; 5731.6; 07-MAY-2010 19:27:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42795
 18; 5944.7; 07-MAY-2010 19:31:13; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;42795
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 17; 2752.9; 08-MAY-2010 01:20:25; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42799
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 12; 1601.3; 08-MAY-2010 02:41:49; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42800
 13; 1724.9; 08-MAY-2010 02:43:53; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42800
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9; 696.3; 08-MAY-2010 04:07:20; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42801
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22;	7358.4;	10-MAY-2010	11:37:32;	Dark	;	66.5;	16;	21Alp Sco	;	1.02;	3000;occ;	133;	0;	42834
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4;	2401.8;	10-MAY-2010	11:55:32;	Bright;	39.5;	83;		;	2.38;	11000;occ;	79;	0;	42834	
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17;	6306.4;	10-MAY-2010	13:00:36;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	0;	42835
18;	6751.2;	10-MAY-2010	13:08:01;	Dark	;	41.5;	141;	Bet Ara	;	2.84;	4600;occ;	83;	0;	42835
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20;	7003.1;	10-MAY-2010	13:12:13;	Dark	;	54.0;	25;	35Lam Sco	;	1.62;	28000;occ;	108;	0;	42835
21;	7159.9;	10-MAY-2010	13:14:50;	Dark	;	53.5;	75;	26Eps Sco	;	2.29;	4250;occ;	107;	0;	42835
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3; 2221.2; 11-MAY-2010 07:59:42; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;42846
4; 2398.6; 11-MAY-2010 08:02:39; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42846
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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23; 7474.8; 11-MAY-2010 09:27:16; Dark ; 53.5; 80; 7Del Sco ; 2.32; 30000;occ; 107; 0;42847
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6; 3126.3; 11-MAY-2010 09:55:23; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42847
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9; 3776.4; 11-MAY-2010 15:08:01; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42850
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 23; 6904.9; 11-MAY-2010 19:21:21; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;42853

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 3; -132.9; 11-MAY-2010 22:25:51; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;42854
 4; -51.5; 11-MAY-2010 22:27:13; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42854
 5; 283.9; 11-MAY-2010 22:32:48; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42855
 6; 726.1; 11-MAY-2010 22:40:10; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42855
 7; 870.6; 11-MAY-2010 22:42:35; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;42855
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 9; 1134.6; 11-MAY-2010 22:46:59; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42855
 10; 1330.3; 11-MAY-2010 22:50:15; Dark ; 66.5; 16; 21Alp Sco ; 1.02; 3000;occ; 133; 0;42855
 11; 1440.6; 11-MAY-2010 22:52:05; Dark ; 59.5; 80; 7Del Sco ; 2.32; 30000;occ; 119; 0;42855
 12; 1607.9; 11-MAY-2010 22:54:52; Bright; 39.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 79; 0;42855
 13; 1725.3; 11-MAY-2010 22:56:50; Bright; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;42855
 14; 2237.3; 11-MAY-2010 23:05:22; Bright; 36.5; 3; 16Alp Boo ; -0.05; 4250;occ; 73; 0;42855
 15; 2396.1; 11-MAY-2010 23:08:00; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42855
 16; 2582.4; 11-MAY-2010 23:11:07; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42855
 17; 2747.4; 11-MAY-2010 23:13:52; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;42855
 18; 3121.9; 11-MAY-2010 23:20:06; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42855
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 21; 4565.9; 11-MAY-2010 23:44:10; Dark ; 60.0; 93; 53Bet Peg ; 2.52; 3100;occ; 120; 0;42855
 22; 4746.7; 11-MAY-2010 23:47:11; Dark ; 39.5; 140; 88Gam Peg ; 2.83; 26000;occ; 79; 0;42855
 23; 4832.1; 11-MAY-2010 23:48:36; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42855

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 3; 1133.5; 11-MAY-2010 19:25:46; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42853
 4; 1329.2; 11-MAY-2010 19:29:02; Dark ; 69.0; 16; 21Alp Sco ; 1.02; 3000;occ; 138; 0;42853
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 7; 1725.4; 11-MAY-2010 19:35:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42853
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 9; 2396.5; 11-MAY-2010 19:46:49; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42853
 10; 2583.0; 11-MAY-2010 19:49:56; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42853
 11; 2747.7; 11-MAY-2010 19:52:40; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;42853
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 13; 3775.3; 11-MAY-2010 20:09:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42853
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 18; 5632.7; 11-MAY-2010 20:40:45; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;42853
 19; 5775.8; 11-MAY-2010 20:43:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42853

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22; 6319.6; 11-MAY-2010 20:52:12; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42854
23; 6761.6; 11-MAY-2010 20:59:34; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42854
24; 6905.5; 11-MAY-2010 21:01:58; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;42854
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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
 7; 871.1; 12-MAY-2010 00:23:11; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42856
 8; 982.7; 12-MAY-2010 00:25:03; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42856
 9; 1135.3; 12-MAY-2010 00:27:35; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42856
10; 1330.4; 12-MAY-2010 00:30:51; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;42856
11; 1441.0; 12-MAY-2010 00:32:41; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42856
12; 1608.2; 12-MAY-2010 00:35:28; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42856
13; 1725.4; 12-MAY-2010 00:37:26; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42856
14; 2237.3; 12-MAY-2010 00:45:57; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42856
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16; 2582.5; 12-MAY-2010 00:51:43; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42856
17; 2747.5; 12-MAY-2010 00:54:28; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42856
18; 3121.5; 12-MAY-2010 01:00:42; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42856
19; 3773.6; 12-MAY-2010 01:11:34; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42856
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22; 4746.9; 12-MAY-2010 01:27:47; Dark ; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;42856
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 3; -131.4; 12-MAY-2010 01:47:05; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;42856
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 5; 285.6; 12-MAY-2010 01:54:02; Dark ; 45.5; 45; Alp Pav ; 1.94; 26000;occ; 91; 0;42857
 6; 727.3; 12-MAY-2010 02:01:23; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42857
 7; 871.9; 12-MAY-2010 02:03:48; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42857
 8; 983.8; 12-MAY-2010 02:05:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;42857
 9; 1135.7; 12-MAY-2010 02:08:12; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42857
10; 1330.8; 12-MAY-2010 02:11:27; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42857
11; 1441.2; 12-MAY-2010 02:13:17; Dark ; 49.5; 80; 7Del Sco ; 2.32; 30000;occ; 99; 0;42857
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13; 1725.5; 12-MAY-2010 02:18:02; Bright; 41.5; 104; 27Bet Lib ; 2.61; 13100;occ; 83; 0;42857
14; 2237.0; 12-MAY-2010 02:26:33; Bright; 40.5; 3; 16Alp Boo ; -0.05; 4250;occ; 81; 0;42857
15; 2395.3; 12-MAY-2010 02:29:11; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42857
16; 2582.4; 12-MAY-2010 02:32:18; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;42857
17; 2747.3; 12-MAY-2010 02:35:03; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42857
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 3; -1469.3; 12-MAY-2010 03:05:23; Dark ; 64.5; 93; 53Bet Peg ; 2.52; 3100;occ; 129; 0;42857
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 9; -49.0; 12-MAY-2010 03:29:03; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;42857
10; 286.0; 12-MAY-2010 03:34:38; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42858
11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
12; 872.5; 12-MAY-2010 03:44:24; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42858
13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
14; 1136.3; 12-MAY-2010 03:48:48; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;42858
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17; 1608.4; 12-MAY-2010 03:56:40; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42858
18; 1725.7; 12-MAY-2010 03:58:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42858

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22; 2747.5; 12-MAY-2010 04:15:39; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42858
23; 3120.6; 12-MAY-2010 04:21:52; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42858
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11; 728.3; 12-MAY-2010 05:22:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42859
12; 873.3; 12-MAY-2010 05:25:01; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42859
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16; 1441.8; 12-MAY-2010 05:34:30; Dark ; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;42859
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18; 1725.6; 12-MAY-2010 05:39:14; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42859
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13; 985.4; 12-MAY-2010 07:07:29; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42860
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 23; 6769.2; 12-MAY-2010 20:28:05; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42868
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7; 2571.6; 15-MAY-2010 16:02:40; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42908
8; 3095.7; 15-MAY-2010 16:11:24; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 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
19; 6963.9; 15-MAY-2010 17:15:52; Dark ; 27.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 54; 0;42909
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6; 2049.0; 15-MAY-2010 17:34:33; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42909
7; 2383.9; 15-MAY-2010 17:40:08; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42909
8; 2571.9; 15-MAY-2010 17:43:16; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42909
9; 3095.2; 15-MAY-2010 17:52:00; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42909
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14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 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
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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
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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
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11; 3094.9; 15-MAY-2010 19:32:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42910
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13; 3961.8; 15-MAY-2010 19:47:02; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42910
14; 4513.2; 15-MAY-2010 19:56:14; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42910
15; 4762.3; 15-MAY-2010 20:00:23; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42910
16; 4859.0; 15-MAY-2010 20:01:59; Dark ; 54.5; 90; 54Alp Peg ; 2.49; 11000;occ; 109; 0;42910
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19; 6025.6; 15-MAY-2010 20:21:26; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42910
20; 6359.1; 15-MAY-2010 20:27:00; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;42911
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
23; 7056.7; 15-MAY-2010 20:38:37; Dark ; 17.0; 25; 35Lam Sco ; 1.62; 28000;occ; 34; 0;42911

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2; 1020.7; 15-MAY-2010 20:38:37; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42911
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
10; 2571.2; 15-MAY-2010 21:04:28; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42911
11; 3094.2; 15-MAY-2010 21:13:11; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42911
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
14; 4513.5; 15-MAY-2010 21:36:50; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42911
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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3; -9.6; 15-MAY-2010 22:02:03; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;42911
4; 324.3; 15-MAY-2010 22:07:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42912
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
7; 1021.3; 15-MAY-2010 22:19:14; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42912
8; 1162.9; 15-MAY-2010 22:21:35; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42912
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
11; 1727.0; 15-MAY-2010 22:30:59; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42912
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
15; 2571.3; 15-MAY-2010 22:45:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42912
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
18; 3961.8; 15-MAY-2010 23:08:14; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42912
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
7; 1022.1; 15-MAY-2010 23:59:50; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42913
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9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913
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 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913
 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
 17; 3749.7; 16-MAY-2010 00:45:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42913
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 19; 4514.0; 16-MAY-2010 00:58:02; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42913
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 5; 757.2; 16-MAY-2010 01:36:01; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42914
 6; 932.4; 16-MAY-2010 01:38:56; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42914
 7; 1022.8; 16-MAY-2010 01:40:27; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42914
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 9; 1349.7; 16-MAY-2010 01:45:54; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;42914
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 14; 2382.8; 16-MAY-2010 02:03:07; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;42914
 15; 2570.8; 16-MAY-2010 02:06:15; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;42914
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 20; 4763.2; 16-MAY-2010 02:42:47; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42914
 21; 4861.5; 16-MAY-2010 02:44:25; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42914
 22; 5678.8; 16-MAY-2010 02:58:03; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42914
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 26; 6794.1; 16-MAY-2010 03:16:38; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42915
 27; 6969.1; 16-MAY-2010 03:19:33; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42915
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 29; 7200.0; 16-MAY-2010 03:23:24; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;42915
 30; 7386.2; 16-MAY-2010 03:26:30; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42915
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 6; 3083.3; 17-MAY-2010 11:46:46; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42934
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 13; 5845.3; 17-MAY-2010 12:32:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42934
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 17; 6804.0; 17-MAY-2010 12:48:47; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;42935
 18; 6987.5; 17-MAY-2010 12:51:50; Dark ; 53.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 106; 0;42935
 19; 7072.0; 17-MAY-2010 12:53:15; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;42935
 20; 7209.0; 17-MAY-2010 12:55:32; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42935
 21; 7392.1; 17-MAY-2010 12:58:35; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42935
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 5; 2568.0; 17-MAY-2010 13:18:46; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;42935
 6; 3083.0; 17-MAY-2010 13:27:21; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;42935
 7; 3740.0; 17-MAY-2010 13:38:18; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42935
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 11; 4873.0; 17-MAY-2010 13:57:11; Dark ; 53.5; 90; 54Alp Peg ; 2.49; 11000;occ; 107; 0;42935
 12; 5696.0; 17-MAY-2010 14:10:54; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;42935
 13; 5846.3; 17-MAY-2010 14:13:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42935
 14; 5953.5; 17-MAY-2010 14:15:12; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42935
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 16; 6376.6; 17-MAY-2010 14:22:15; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42936
 17; 6804.3; 17-MAY-2010 14:29:23; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42936
 18; 6988.8; 17-MAY-2010 14:32:27; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42936
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 20; 7209.4; 17-MAY-2010 14:36:08; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;42936
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 3; 1852.5; 17-MAY-2010 14:47:27; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42936
 4; 2041.8; 17-MAY-2010 14:50:36; Bright; 43.0; 102; 24Alp Ser ; 2.60; 4250;occ; 86; 0;42936
 5; 2379.1; 17-MAY-2010 14:56:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;42936
 6; 2567.7; 17-MAY-2010 14:59:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42936
 7; 3082.8; 17-MAY-2010 15:07:57; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;42936
 8; 3739.3; 17-MAY-2010 15:18:54; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;42936
 9; 3960.5; 17-MAY-2010 15:22:35; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42936
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 11; 4770.0; 17-MAY-2010 15:36:04; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42936
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 13; 5696.9; 17-MAY-2010 15:51:31; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;42936
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 17; 6377.6; 17-MAY-2010 16:02:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42937
 18; 6805.2; 17-MAY-2010 16:10:00; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42937
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 21; 7210.1; 17-MAY-2010 16:16:44; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;42937

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 4; 1852.4; 17-MAY-2010 16:28:03; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42937
 5; 2041.6; 17-MAY-2010 16:31:12; Bright; 43.5; 102; 24Alp Ser ; 2.60; 4250;occ; 87; 0;42937
 6; 2378.8; 17-MAY-2010 16:36:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42937
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 13; 4874.1; 17-MAY-2010 17:18:24; Dark ; 57.5; 90; 54Alp Peg ; 2.49; 11000;occ; 115; 0;42937
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 17; 6046.3; 17-MAY-2010 17:37:57; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42938
 18; 6378.5; 17-MAY-2010 17:43:29; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42938
 19; 6805.5; 17-MAY-2010 17:50:36; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42938
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 6; 1852.2; 17-MAY-2010 18:08:39; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42938
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 8; 2378.9; 17-MAY-2010 18:17:25; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42938
 9; 2567.5; 17-MAY-2010 18:20:34; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42938
 10; 3081.5; 17-MAY-2010 18:29:08; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42938
 11; 3738.1; 17-MAY-2010 18:40:04; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42938
 12; 3959.9; 17-MAY-2010 18:43:46; Bright; 35.5; 74; 11Bet Cas ; 2.27; 6600;occ; 71; 0;42938
 13; 4518.1; 17-MAY-2010 18:53:04; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42938
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 16; 5698.4; 17-MAY-2010 19:12:45; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;42938
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 18; 5955.7; 17-MAY-2010 19:17:02; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42938
 19; 6047.2; 17-MAY-2010 19:18:34; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;42939
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 21; 6805.9; 17-MAY-2010 19:31:12; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42939
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 5; 344.9; 18-MAY-2010 00:25:55; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42942
 6; 771.3; 18-MAY-2010 00:33:01; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42942
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 11; 1511.3; 18-MAY-2010 00:45:21; Bright; 46.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 93; 0;42942
 12; 1728.4; 18-MAY-2010 00:48:58; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42942
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 15; 2378.2; 18-MAY-2010 00:59:48; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42942
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6; 774.6; 18-MAY-2010 02:13:40; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42943
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 6; 3174.7; 21-MAY-2010 13:03:01; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42992
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17; 3055.8; 21-MAY-2010 23:04:38; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;42998

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 8; 799.5; 22-MAY-2010 03:28:49; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;43001
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14; 1732.3; 22-MAY-2010 03:44:22; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43001
15; 1843.1; 22-MAY-2010 03:46:13; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43001
16; 2028.5; 22-MAY-2010 03:49:18; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43001
17; 2371.5; 22-MAY-2010 03:55:01; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43001
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 15; 6099.5; 22-MAY-2010 08:18:21; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43004
 16; 6425.3; 22-MAY-2010 08:23:47; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43004
 17; 6836.9; 22-MAY-2010 08:30:38; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;43004
 18; 7001.3; 22-MAY-2010 08:33:23; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43004
 19; 7112.4; 22-MAY-2010 08:35:14; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43004
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 22; 7557.4; 22-MAY-2010 08:42:39; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43004
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 3; 2027.9; 22-MAY-2010 08:51:05; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43004
 4; 2371.1; 22-MAY-2010 08:56:49; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43004
 5; 2560.8; 22-MAY-2010 08:59:58; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43004
 6; 3053.6; 22-MAY-2010 09:08:11; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43004
 7; 3173.9; 22-MAY-2010 09:10:11; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43004
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 14; 6001.6; 22-MAY-2010 09:57:19; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43004
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 16; 6425.8; 22-MAY-2010 10:04:23; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43005
 17; 6837.3; 22-MAY-2010 10:11:15; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43005
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 3; 2027.4; 22-MAY-2010 10:31:41; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43005
 4; 2371.1; 22-MAY-2010 10:37:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43005
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 6; 3053.1; 22-MAY-2010 10:48:46; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43005
 7; 3173.9; 22-MAY-2010 10:50:47; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;43005
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 13; 5913.8; 22-MAY-2010 11:36:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43005
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 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006
 17; 6837.5; 22-MAY-2010 11:51:51; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43006
 18; 7002.4; 22-MAY-2010 11:54:36; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43006
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 3; 2027.3; 22-MAY-2010 12:12:16; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43006
 4; 2371.0; 22-MAY-2010 12:18:00; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;43006
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 9; 4009.4; 22-MAY-2010 12:45:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43006
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14; 6003.3; 22-MAY-2010 13:18:32; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;43006
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16; 6426.9; 22-MAY-2010 13:25:36; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43007
17; 6838.3; 22-MAY-2010 13:32:27; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43007
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 3; 1842.1; 22-MAY-2010 13:49:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43007
 4; 2027.3; 22-MAY-2010 13:52:52; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43007
 5; 2371.2; 22-MAY-2010 13:58:36; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43007
 6; 2561.0; 22-MAY-2010 14:01:46; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;43007
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10; 4009.5; 22-MAY-2010 14:25:55; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;43007
11; 4529.9; 22-MAY-2010 14:34:35; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43007
12; 4793.8; 22-MAY-2010 14:38:59; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43007
13; 5761.5; 22-MAY-2010 14:55:07; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;43007
14; 5915.9; 22-MAY-2010 14:57:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43007
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 3; 1733.0; 22-MAY-2010 15:28:34; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43008
 4; 1842.1; 22-MAY-2010 15:30:23; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43008
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 9; 3173.7; 22-MAY-2010 15:52:35; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43008
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12;	4009.4;	22-MAY-2010	17:47:06;	Bright;	38.0;	68;	18Alp Cas	; 2.22;	4500;occ;	76;	0;43009
13;	4530.0;	22-MAY-2010	17:55:47;	Dark	; 50.0;	58;	21Alp And	; 2.07;	11000;occ;	100;	0;43009
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7;	2026.8;	22-MAY-2010	18:54:40;	Bright;	40.0;	102;	24Alp Ser	; 2.60;	4250;occ;	80;	0;43010
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9;	2560.5;	22-MAY-2010	19:03:33;	Bright;	36.5;	180;	27Gam Boo	; 3.04;	8000;occ;	73;	0;43010
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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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4; 95.3; 24-MAY-2010 22:21:02; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;43041
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
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21; 4535.8; 24-MAY-2010 23:35:02; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43041
22; 4806.1; 24-MAY-2010 23:39:33; Dark ; 47.5; 140; 88Gam Peg ; 2.83; 26000;occ; 95; 0;43041
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 5; 415.9; 25-MAY-2010 00:06:58; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43042
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 9; 1215.9; 25-MAY-2010 00:20:18; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43042
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13; 1838.6; 25-MAY-2010 00:30:41; Bright; 45.5; 120; 1Del Oph ; 2.73; 3200;occ; 91; 0;43042
14; 2022.4; 25-MAY-2010 00:33:45; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43042
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16; 3038.7; 25-MAY-2010 00:50:41; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43042
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19; 4007.7; 25-MAY-2010 01:06:50; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43042
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21; 4535.9; 25-MAY-2010 01:15:38; Dark ; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;43042
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 7; -250.9; 24-MAY-2010 07:09:52; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43031
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 9; 87.5; 24-MAY-2010 07:15:31; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43032
10; 408.9; 24-MAY-2010 07:20:52; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43032
11; 813.4; 24-MAY-2010 07:27:37; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;43032
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13; 1091.3; 24-MAY-2010 07:32:15; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43032
14; 1212.3; 24-MAY-2010 07:34:16; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;43032
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 3; 2023.5; 24-MAY-2010 07:47:47; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43032
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10; 4534.3; 24-MAY-2010 08:29:38; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43032
11; 4802.7; 24-MAY-2010 08:34:06; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43032
12; 5332.1; 24-MAY-2010 08:42:55; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;43032
13; 5785.9; 24-MAY-2010 08:50:29; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43032
14; 5881.2; 24-MAY-2010 08:52:05; Dark ; 43.5; 0; ; 0.00; 0;occ; 87; 0;43032

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 18; 6850.0; 24-MAY-2010 09:08:13; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43033
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 23; 7562.1; 24-MAY-2010 09:20:05; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43033
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 9; 4381.8; 24-MAY-2010 10:07:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43033
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 11; 4803.3; 24-MAY-2010 10:14:43; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43033
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 13; 5787.3; 24-MAY-2010 10:31:07; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;43033
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 21; 7249.0; 24-MAY-2010 10:55:28; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43034
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 17; 6850.8; 24-MAY-2010 12:29:26; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43035
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 19; 7128.7; 24-MAY-2010 12:34:04; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43035
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 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
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 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
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 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
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 3; 1839.4; 24-MAY-2010 14:27:06; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43036
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 6; 3041.0; 24-MAY-2010 14:47:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43036
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 14; 5862.2; 24-MAY-2010 15:34:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43036
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 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
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 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
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 8; 3936.3; 24-MAY-2010 16:42:39; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43037
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 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
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 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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 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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 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
 8; 2022.8; 24-MAY-2010 17:51:22; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43038
 9; 2369.4; 24-MAY-2010 17:57:08; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43038
 10; 3040.1; 24-MAY-2010 18:08:19; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43038
 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
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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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 3; 1214.8; 24-MAY-2010 19:18:30; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43039
 4; 1384.8; 24-MAY-2010 19:21:20; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43039
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 6; 1735.6; 24-MAY-2010 19:27:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43039
 7; 1838.9; 24-MAY-2010 19:28:54; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43039
 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
18; 5860.5; 24-MAY-2010 20:35:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43039
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
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 5; 416.4; 25-MAY-2010 01:47:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43043
 6; 818.1; 25-MAY-2010 01:54:16; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43043
 7; 986.4; 25-MAY-2010 01:57:05; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43043
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 9; 1216.4; 25-MAY-2010 02:00:55; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;43043
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12; 1736.0; 25-MAY-2010 02:09:34; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;43043
13; 1838.6; 25-MAY-2010 02:11:17; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43043
14; 2021.9; 25-MAY-2010 02:14:20; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43043
15; 2369.1; 25-MAY-2010 02:20:07; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43043
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 9; 97.7; 25-MAY-2010 03:22:52; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43044
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11; 818.6; 25-MAY-2010 03:34:53; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;43044
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13; 1097.4; 25-MAY-2010 03:39:32; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43044
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16; 1527.8; 25-MAY-2010 03:46:42; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43044
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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22; 4811.9; 25-MAY-2010 23:08:01; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;43055
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 3; 4.0; 25-MAY-2010 23:28:29; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43055
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21; 4538.7; 26-MAY-2010 00:44:04; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43056
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 3; 820.4; 25-MAY-2010 10:17:18; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43048
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3; 2021.6; 25-MAY-2010 10:37:20; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43048
4; 2368.7; 25-MAY-2010 10:43:07; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43048
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6; 3170.7; 25-MAY-2010 10:56:29; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43048
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16; 6456.6; 25-MAY-2010 11:51:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43049
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6; 3170.4; 25-MAY-2010 12:37:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43049
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16; 6457.6; 25-MAY-2010 13:31:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43050
17; 6857.1; 25-MAY-2010 13:38:31; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43050
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19; 7136.2; 25-MAY-2010 13:43:10; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43050
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4; 2021.4; 25-MAY-2010 13:58:31; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43050
5; 2368.8; 25-MAY-2010 14:04:19; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43050
6; 3035.6; 25-MAY-2010 14:15:25; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43050
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8; 3935.9; 25-MAY-2010 14:30:26; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;43050
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16; 6458.4; 25-MAY-2010 15:12:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43051
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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
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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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3; 1220.3; 25-MAY-2010 18:46:58; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43053
4; 1388.6; 25-MAY-2010 18:49:46; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43053
5; 1529.5; 25-MAY-2010 18:52:07; Bright; 44.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 88; 0;43053
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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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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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
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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
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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
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16; 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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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
30; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058
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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8; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
9; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
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11; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
12; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057
13; 3935.2; 26-MAY-2010 02:14:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43057
14; 4006.7; 26-MAY-2010 02:15:48; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 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
 24; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
 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
 27; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
 28; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
 29; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
 30; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
 31; 8419.9; 26-MAY-2010 03:29:21; Bright; 11.5; 67; 5Alp CrB ; 2.22; 11000;occ; 23; 0;43058

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 3;-2100.6; 26-MAY-2010 03:55:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43058
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 5;-1651.2; 26-MAY-2010 04:02:42; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43058
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 7;-1222.9; 26-MAY-2010 04:09:50; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43058
 8; -691.4; 26-MAY-2010 04:18:42; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 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
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 22; 3032.8; 26-MAY-2010 05:20:46; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43059
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 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060
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 11; 825.5; 26-MAY-2010 06:24:35; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43060
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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
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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
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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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 16; 6863.6; 26-MAY-2010 13:07:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43064
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 4; 2020.5; 26-MAY-2010 13:26:53; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43064
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 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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 17; 6468.7; 26-MAY-2010 14:41:01; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43065
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