

# GOMOS Daily Report 29-MAY-2010

## Level 0 and Level 1 products

### SUMMARY

#### [1. General Info](#)

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

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

#### [3. Plot of Spectrometers and Photometers temperatures](#)

#### [4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

#### [5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

#### [6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

#### [7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

## [Level 2 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	01JUN2010 04:53:10
Data source version	GOMOS/5.00L04
Start time of products	29MAY2010 00:00:37
Stop time of products	29MAY2010 23:52:48
Store outputs in DB	Yes
Nb of level 1b prods	157
Nb of prods with errors	0

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

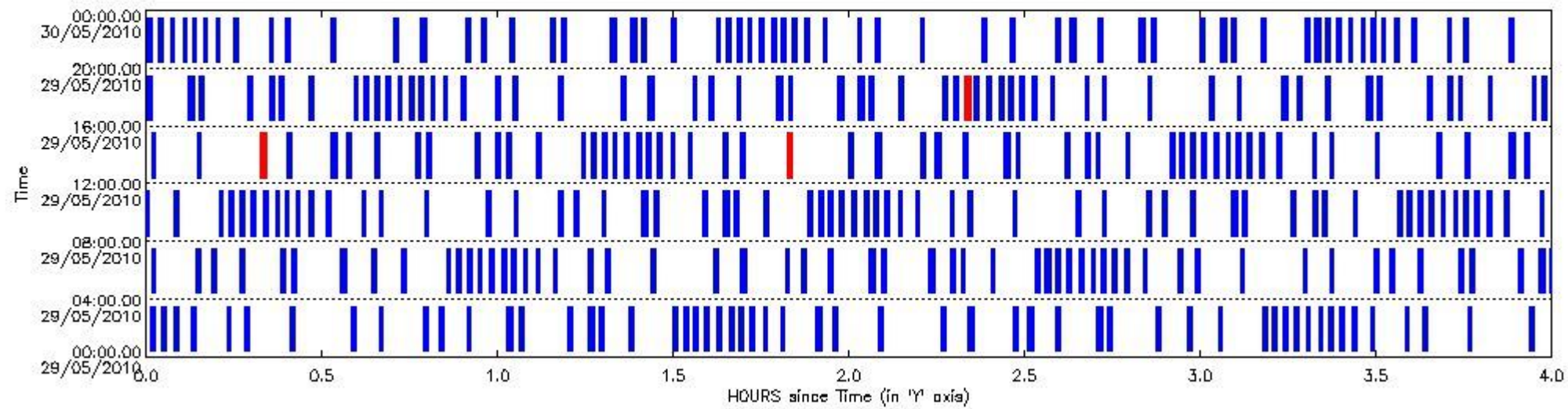
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
29-MAY-2010 12:19:22	5AlpCep	89	43106
29-MAY-2010 13:49:23	14EtaDra	119	43107
29-MAY-2010 18:19:43	35LamSco	25	43110

### 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_1PNPDE20100529_000037_000000492089_00460_43099_4854.N1	29-MAY-2010 00:00:37	Bright	48.500	86	35Eta Oph	2.4300	10200.	97	43099	No
2	GOM_TRA_1PNPDE20100529_000232_000000442089_00460_43099_4855.N1	29-MAY-2010 00:02:32	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	43099	No
3	GOM_TRA_1PNPDE20100529_000446_000000412089_00460_43099_4856.N1	29-MAY-2010 00:04:46	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43099	No
4	GOM_TRA_1PNPDE20100529_000747_000000382089_00460_43099_4857.N1	29-MAY-2010 00:07:47	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	43099	No
5	GOM_TRA_1PNPDE20100529_001346_000000382089_00460_43099_4858.N1	29-MAY-2010 00:13:46	Bright	37.500	67	5Alp CrB	2.2210	11000.	75	43099	No
6	GOM_TRA_1PNPDE20100529_001644_000000452089_00460_43099_4859.N1	29-MAY-2010 00:16:44	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	43099	No
7	GOM_TRA_1PNPDE20100529_002429_000000542089_00460_43099_4860.N1	29-MAY-2010 00:24:29	Bright	54.000	119	14Eta Dra	2.7270	4700.0	108	43099	No
8	GOM_TRA_1PNPDE20100529_003506_000000492089_00460_43099_4861.N1	29-MAY-2010 00:35:06	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43099	No

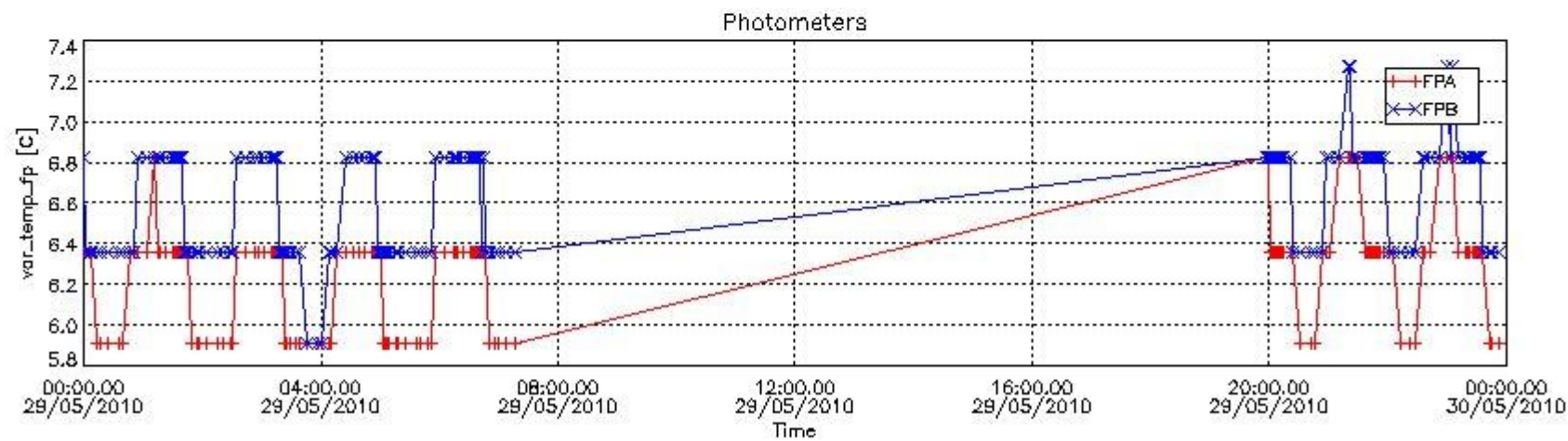
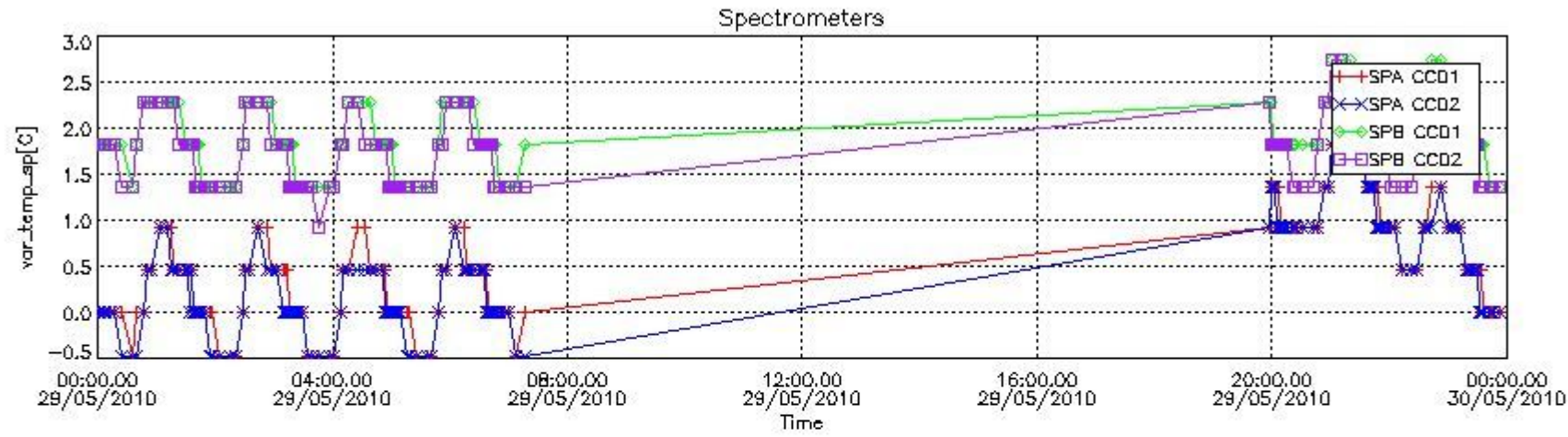
9	GOM_TRA_1PNPDE20100529_003943_000000372089_00460_43099_4862.N1	29-MAY-2010 00:39:43	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	43099	No
10	GOM_TRA_1PNPDE20100529_004719_000000552089_00460_43099_4863.N1	29-MAY-2010 00:47:19	Bright	55.000	53	43Bet And	2.0480	3300.0	110	43099	No
11	GOM_TRA_1PNPDE20100529_004957_000000512089_00460_43099_4864.N1	29-MAY-2010 00:49:57	Tw_i_and_stray	51.000	58	21Alp And	2.0730	11000.	102	43099	No
12	GOM_TRA_1PNPDE20100529_005441_000000482089_00460_43099_4865.N1	29-MAY-2010 00:54:41	Dark	47.500	140	88Gam Peg	2.8340	26000.	95	43099	No
13	GOM_TRA_1PNPDE20100529_010336_000000472089_00460_43099_4874.N1	29-MAY-2010 01:03:36	Dark	46.500	52	16Bet Cet	2.0370	4500.0	93	43099	No
14	GOM_TRA_1PNPDE20100529_011149_000000582089_00460_43099_4875.N1	29-MAY-2010 01:11:49	Dark	57.500	18	24Alp PsA	1.1660	9700.0	115	43099	No
15	GOM_TRA_1PNPDE20100529_011525_000000592089_00461_43100_4876.N1	29-MAY-2010 01:15:25	Dark	59.000	63	Bet Gru	2.1500	2800.0	118	43100	No
16	GOM_TRA_1PNPDE20100529_011714_000000462089_00461_43100_4877.N1	29-MAY-2010 01:17:14	Dark	46.000	31	Alp Gru	1.7340	15200.	92	43100	No
17	GOM_TRA_1PNPDE20100529_012223_000000432089_00461_43100_4878.N1	29-MAY-2010 01:22:23	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43100	No
18	GOM_TRA_1PNPDE20100529_013001_000000422089_00461_43100_4879.N1	29-MAY-2010 01:30:01	Straylight	41.500	147	Alp Ara	2.8770	26000.	83	43100	No
19	GOM_TRA_1PNPDE20100529_013141_000000492089_00461_43100_4880.N1	29-MAY-2010 01:31:41	Straylight	49.000	40	The Sco	1.8590	7100.0	98	43100	No
20	GOM_TRA_1PNPDE20100529_013330_000000482089_00461_43100_4881.N1	29-MAY-2010 01:33:30	Tw_i_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	43100	No
21	GOM_TRA_1PNPDE20100529_013522_000000482089_00461_43100_4882.N1	29-MAY-2010 01:35:22	Tw_i_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	43100	No
22	GOM_TRA_1PNPDE20100529_013727_000000452089_00461_43100_4883.N1	29-MAY-2010 01:37:27	Tw_i_and_stray	45.000	136	23Tau Sco	2.8220	30000.	90	43100	No
23	GOM_TRA_1PNPDE20100529_013936_000000392089_00461_43100_4884.N1	29-MAY-2010 01:39:36	Bright	38.500	80	7Del Sco	2.3160	30000.	77	43100	No
24	GOM_TRA_1PNPDE20100529_014113_000000492089_00461_43100_4885.N1	29-MAY-2010 01:41:13	Bright	49.000	86	35Eta Oph	2.4300	10200.	98	43100	No
25	GOM_TRA_1PNPDE20100529_014307_000000442089_00461_43100_4886.N1	29-MAY-2010 01:43:07	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	43100	No
26	GOM_TRA_1PNPDE20100529_014521_000000412089_00461_43100_4887.N1	29-MAY-2010 01:45:21	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43100	No
27	GOM_TRA_1PNPDE20100529_014823_000000382089_00461_43100_4888.N1	29-MAY-2010 01:48:23	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	43100	No
28	GOM_TRA_1PNPDE20100529_015421_000000552089_00461_43100_4889.N1	29-MAY-2010 01:54:21	Bright	55.000	67	5Alp CrB	2.2210	11000.	110	43100	No
29	GOM_TRA_1PNPDE20100529_015719_000000462089_00461_43100_4890.N1	29-MAY-2010 01:57:19	Bright	46.000	133	40Zet Her	2.8070	6000.0	92	43100	No
30	GOM_TRA_1PNPDE20100529_020505_000000362089_00461_43100_4891.N1	29-MAY-2010 02:05:05	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	43100	No
31	GOM_TRA_1PNPDE20100529_021541_000000482089_00461_43100_4892.N1	29-MAY-2010 02:15:41	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43100	No
32	GOM_TRA_1PNPDE20100529_022018_000000552089_00461_43100_4893.N1	29-MAY-2010 02:20:18	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	43100	No
33	GOM_TRA_1PNPDE20100529_022755_000000562089_00461_43100_4894.N1	29-MAY-2010 02:27:55	Bright	56.000	53	43Bet And	2.0480	3300.0	112	43100	No
34	GOM_TRA_1PNPDE20100529_023033_000000532089_00461_43100_4895.N1	29-MAY-2010 02:30:33	Tw_i_and_stray	52.500	58	21Alp And	2.0730	11000.	105	43100	No
35	GOM_TRA_1PNPDE20100529_023517_000000472089_00461_43100_4896.N1	29-MAY-2010 02:35:17	Dark	47.000	140	88Gam Peg	2.8340	26000.	94	43100	No
36	GOM_TRA_1PNPDE20100529_024412_000000462089_00461_43100_4897.N1	29-MAY-2010 02:44:12	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	43100	No
37	GOM_TRA_1PNPDE20100529_025226_000000542089_00461_43100_4898.N1	29-MAY-2010 02:52:26	Dark	53.500	18	24Alp PsA	1.1660	9700.0	107	43100	No
38	GOM_TRA_1PNPDE20100529_025750_000000452089_00462_43101_4899.N1	29-MAY-2010 02:57:50	Dark	44.500	31	Alp Gru	1.7340	15200.	89	43101	No
39	GOM_TRA_1PNPDE20100529_030259_000000452089_00462_43101_4900.N1	29-MAY-2010 03:02:59	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	43101	No
40	GOM_TRA_1PNPDE20100529_031038_000000442089_00462_43101_4901.N1	29-MAY-2010 03:10:38	Straylight	44.000	147	Alp Ara	2.8770	26000.	88	43101	No
41	GOM_TRA_1PNPDE20100529_031218_000000472089_00462_43101_4902.N1	29-MAY-2010 03:12:18	Straylight	47.000	40	The Sco	1.8590	7100.0	94	43101	No
42	GOM_TRA_1PNPDE20100529_031407_000000512089_00462_43101_4903.N1	29-MAY-2010 03:14:07	Tw_i_and_stray	50.500	25	35Lam Sco	1.6200	28000.	101	43101	No
43	GOM_TRA_1PNPDE20100529_031559_000000472089_00462_43101_4904.N1	29-MAY-2010 03:15:59	Tw_i_and_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	43101	No
44	GOM_TRA_1PNPDE20100529_031804_000000432089_00462_43101_4905.N1	29-MAY-2010 03:18:04	Tw_i_and_stray	43.000	136	23Tau Sco	2.8220	30000.	86	43101	No
45	GOM_TRA_1PNPDE20100529_032012_000000402089_00462_43101_4906.N1	29-MAY-2010 03:20:12	Bright	40.000	80	7Del Sco	2.3160	30000.	80	43101	No
46	GOM_TRA_1PNPDE20100529_032149_000000492089_00462_43101_4907.N1	29-MAY-2010 03:21:49	Bright	48.500	86	35Eta Oph	2.4300	10200.	97	43101	No
47	GOM_TRA_1PNPDE20100529_032343_000000452089_00462_43101_4908.N1	29-MAY-2010 03:23:43	Bright	44.500	98	13Zet Oph	2.5710	30000.	89	43101	No
48	GOM_TRA_1PNPDE20100529_032557_000000412089_00462_43101_4909.N1	29-MAY-2010 03:25:57	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43101	No
49	GOM_TRA_1PNPDE20100529_032859_000000402089_00462_43101_4910.N1	29-MAY-2010 03:28:59	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	43101	No
50	GOM_TRA_1PNPDE20100529_033457_000000392089_00462_43101_4911.N1	29-MAY-2010 03:34:57	Bright	39.000	67	5Alp CrB	2.2210	11000.	78	43101	No
51	GOM_TRA_1PNPDE20100529_033755_000000462089_00462_43101_4912.N1	29-MAY-2010 03:37:55	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	43101	No
52	GOM_TRA_1PNPDE20100529_034540_000000412089_00462_43101_4903.N1	29-MAY-2010 03:45:40	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43101	No
53	GOM_TRA_1PNPDE20100529_035617_000000492089_00462_43101_4904.N1	29-MAY-2010 03:56:17	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43101	No
54	GOM_TRA_1PNPDE20100529_040055_000000412089_00462_43101_4905.N1	29-MAY-2010 04:00:55	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	43101	No
55	GOM_TRA_1PNPDE20100529_040832_000000452089_00462_43101_4906.N1	29-MAY-2010 04:08:32	Bright	44.500	53	43Bet And	2.0480	3300.0	89	43101	No
56	GOM_TRA_1PNPDE20100529_041109_000000532089_00462_43101_4907.N1	29-MAY-2010 04:11:09	Tw_i_and_stray	53.000	58	21Alp And	2.0730	11000.	106	43101	No
57	GOM_TRA_1PNPDE20100529_041553_000000482089_00462_43101_4908.N1	29-MAY-2010 04:15:53	Dark	48.000	140	88Gam Peg	2.8340	26000.	96	43101	No
58	GOM_TRA_1PNPDE20100529_042449_000000502089_00462_43101_4909.N1	29-MAY-2010 04:24:49	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	43101	No
59	GOM_TRA_1PNPDE20100529_043303_000000612089_00462_43101_4910.N1	29-MAY-2010 04:33:03	Dark	60.500	18	24Alp PsA	1.1660	9700.0	121	43101	No
60	GOM_TRA_1PNPDE20100529_043827_000000452089_00463_43102_4911.N1	29-MAY-2010 04:38:27	Dark	45.000	31	Alp Gru	1.7340	15200.	90	43102	No
61	GOM_TRA_1PNPDE20100529_044336_000000442089_00463_43102_4912.N1	29-MAY-2010 04:43:36	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43102	No
62	GOM_TRA_1PNPDE20100529_045114_000000412089_00463_43102_4913.N1	29-MAY-2010 04:51:14	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	43102	No
63	GOM_TRA_1PNPDE20100529_045254_000000442089_00463_43102_4914.N1	29-MAY-2010 04:52:54	Straylight	44.000	40	The Sco	1.8590	7100.0	88	43102	No
64	GOM_TRA_1PNPDE20100529_045443_000000472089_00463_43102_4915.N1	29-MAY-2010 04:54:43	Tw_i_and_stray	47.000	25	35Lam Sco	1.6200	28000.	94	43102	No
65	GOM_TRA_1PNPDE20100529_045635_000000432089_00463_43102_4916.N1	29-MAY-2010 04:56:35	Tw_i_and_stray	43.000	75	26Eps Sco	2.2910	4250.0	86	43102	No
66	GOM_TRA_1PNPDE20100529_045840_000000452089_00463_43102_4917.N1	29-MAY-2010 04:58:40	Tw_i_and_stray	45.000	136	23Tau Sco	2.8220	30000.	90	43102	No
67	GOM_TRA_1PNPDE20100529_050048_000000412089_00463_43102_4918.N1	29-MAY-2010 05:00:48	Bright	41.000	80	7Del Sco	2.3160	30000.	82	43102	No



68	GOM_TRA_1PNPDE20100529_050225_000000492089_00463_43102_4919.N1	29-MAY-2010 05:02:25	Bright	48.500	86	35Eta Oph	2.4300	10200.	97	43102	No
69	GOM_TRA_1PNPDE20100529_050419_000000442089_00463_43102_4920.N1	29-MAY-2010 05:04:19	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	43102	No
70	GOM_TRA_1PNPDE20100529_050633_000000412089_00463_43102_4921.N1	29-MAY-2010 05:06:33	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43102	No
71	GOM_TRA_1PNPDE20100529_050935_000000382089_00463_43102_4922.N1	29-MAY-2010 05:09:35	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	43102	No
72	GOM_TRA_1PNPDE20100529_051533_000000372089_00463_43102_4923.N1	29-MAY-2010 05:15:33	Bright	37.000	67	5Alp CrB	2.2210	11000.	74	43102	No
73	GOM_TRA_1PNPDE20100529_051830_000000472089_00463_43102_4924.N1	29-MAY-2010 05:18:30	Bright	46.500	133	40Zet Her	2.8070	6000.0	93	43102	No
74	GOM_TRA_1PNPDE20100529_052616_000000422089_00463_43102_4925.N1	29-MAY-2010 05:26:16	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	43102	No
75	GOM_TRA_1PNPDE20100529_053652_000000472089_00463_43102_4926.N1	29-MAY-2010 05:36:52	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43102	No
76	GOM_TRA_1PNPDE20100529_054130_000000522089_00463_43102_4936.N1	29-MAY-2010 05:41:30	Bright	52.000	76	27Gam Cas	2.3000	30000.	104	43102	No
77	GOM_TRA_1PNPDE20100529_054907_000000422089_00463_43102_4937.N1	29-MAY-2010 05:49:07	Bright	42.000	53	43Bet And	2.0480	3300.0	84	43102	No
78	GOM_TRA_1PNPDE20100529_055145_000000512089_00463_43102_4938.N1	29-MAY-2010 05:51:45	Tw_i_and_stray	50.500	58	21Alp And	2.0730	11000.	101	43102	No
79	GOM_TRA_1PNPDE20100529_055630_000000502089_00463_43102_4939.N1	29-MAY-2010 05:56:30	Dark	49.500	140	88Gam Peg	2.8340	26000.	99	43102	No
80	GOM_TRA_1PNPDE20100529_060525_000000492089_00463_43102_4940.N1	29-MAY-2010 06:05:25	Dark	49.000	52	16Bet Cet	2.0370	4500.0	98	43102	No
81	GOM_TRA_1PNPDE20100529_061340_000000652089_00463_43102_4941.N1	29-MAY-2010 06:13:40	Dark	64.500	18	24Alp PsA	1.1660	9700.0	129	43102	No
82	GOM_TRA_1PNPDE20100529_061716_000000592089_00464_43103_4942.N1	29-MAY-2010 06:17:16	Dark	59.000	63	Bet Gru	2.1500	2800.0	118	43103	No
83	GOM_TRA_1PNPDE20100529_061904_000000442089_00464_43103_4943.N1	29-MAY-2010 06:19:04	Dark	44.000	31	Alp Gru	1.7340	15200.	88	43103	No
84	GOM_TRA_1PNPDE20100529_062413_000000432089_00464_43103_4944.N1	29-MAY-2010 06:24:13	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43103	No
85	GOM_TRA_1PNPDE20100529_063151_000000422089_00464_43103_4945.N1	29-MAY-2010 06:31:51	Straylight	41.500	147	Alp Ara	2.8770	26000.	83	43103	No
86	GOM_TRA_1PNPDE20100529_063331_000000502089_00464_43103_4946.N1	29-MAY-2010 06:33:31	Straylight	49.500	40	The Sco	1.8590	7100.0	99	43103	No
87	GOM_TRA_1PNPDE20100529_063520_000000502089_00464_43103_4947.N1	29-MAY-2010 06:35:20	Tw_i_and_stray	49.500	25	35Lam Sco	1.6200	28000.	99	43103	No
88	GOM_TRA_1PNPDE20100529_063711_000000472089_00464_43103_4948.N1	29-MAY-2010 06:37:11	Tw_i_and_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	43103	No
89	GOM_TRA_1PNPDE20100529_063916_000000422089_00464_43103_4949.N1	29-MAY-2010 06:39:16	Tw_i_and_stray	42.000	136	23Tau Sco	2.8220	30000.	84	43103	No
90	GOM_TRA_1PNPDE20100529_064124_000000412089_00464_43103_4950.N1	29-MAY-2010 06:41:24	Bright	40.500	80	7Del Sco	2.3160	30000.	81	43103	No
91	GOM_TRA_1PNPDE20100529_064301_000000502089_00464_43103_4951.N1	29-MAY-2010 06:43:01	Bright	49.500	86	35Eta Oph	2.4300	10200.	99	43103	No
92	GOM_TRA_1PNPDE20100529_064455_000000442089_00464_43103_4952.N1	29-MAY-2010 06:44:55	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	43103	No
93	GOM_TRA_1PNPDE20100529_064709_000000412089_00464_43103_4953.N1	29-MAY-2010 06:47:09	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43103	No
94	GOM_TRA_1PNPDE20100529_065011_000000382089_00464_43103_4954.N1	29-MAY-2010 06:50:11	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	43103	No
95	GOM_TRA_1PNPDE20100529_065609_000000552089_00464_43103_4955.N1	29-MAY-2010 06:56:09	Bright	55.000	67	5Alp CrB	2.2210	11000.	110	43103	No
96	GOM_TRA_1PNPDE20100529_065905_000000472089_00464_43103_4956.N1	29-MAY-2010 06:59:05	Bright	46.500	133	40Zet Her	2.8070	6000.0	93	43103	No
97	GOM_TRA_1PNPDE20100529_070652_000000412089_00464_43103_4957.N1	29-MAY-2010 07:06:52	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43103	No
98	GOM_TRA_1PNPDE20100529_071727_000000472089_00464_43103_4958.N1	29-MAY-2010 07:17:27	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43103	No
99	GOM_TRA_1PNPDE20100529_195642_000000412089_00472_43111_5045.N1	29-MAY-2010 19:56:42	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	43111	No
100	GOM_TRA_1PNPDE20100529_195822_000000482089_00472_43111_5046.N1	29-MAY-2010 19:58:22	Straylight	47.500	40	The Sco	1.8590	7100.0	95	43111	No
101	GOM_TRA_1PNPDE20100529_200011_000000492089_00472_43111_5047.N1	29-MAY-2010 20:00:11	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	43111	No
102	GOM_TRA_1PNPDE20100529_200201_000000472089_00472_43111_5048.N1	29-MAY-2010 20:02:01	Tw_i_and_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	43111	No
103	GOM_TRA_1PNPDE20100529_200406_000000442089_00472_43111_5049.N1	29-MAY-2010 20:04:06	Bright	44.000	136	23Tau Sco	2.8220	30000.	88	43111	No
104	GOM_TRA_1PNPDE20100529_200613_000000442089_00472_43111_5050.N1	29-MAY-2010 20:06:13	Bright	44.000	80	7Del Sco	2.3160	30000.	88	43111	No
105	GOM_TRA_1PNPDE20100529_200749_000000472089_00472_43111_5051.N1	29-MAY-2010 20:07:49	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	43111	No
106	GOM_TRA_1PNPDE20100529_200943_000000432089_00472_43111_5052.N1	29-MAY-2010 20:09:43	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	43111	No
107	GOM_TRA_1PNPDE20100529_201156_000000412089_00472_43111_5053.N1	29-MAY-2010 20:11:56	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	43111	No
108	GOM_TRA_1PNPDE20100529_201457_000000382089_00472_43111_5054.N1	29-MAY-2010 20:14:57	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43111	No
109	GOM_TRA_1PNPDE20100529_202056_000000382089_00472_43111_5055.N1	29-MAY-2010 20:20:56	Bright	38.000	67	5Alp CrB	2.2210	11000.	76	43111	No
110	GOM_TRA_1PNPDE20100529_202348_000000462089_00472_43111_5056.N1	29-MAY-2010 20:23:48	Bright	46.000	133	40Zet Her	2.8070	6000.0	92	43111	No
111	GOM_TRA_1PNPDE20100529_203137_000000422089_00472_43111_5057.N1	29-MAY-2010 20:31:37	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	43111	No
112	GOM_TRA_1PNPDE20100529_204210_000000462089_00472_43111_5058.N1	29-MAY-2010 20:42:10	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	43111	No
113	GOM_TRA_1PNPDE20100529_204653_000000552089_00472_43111_5059.N1	29-MAY-2010 20:46:53	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	43111	No
114	GOM_TRA_1PNPDE20100529_205432_000000562089_00472_43111_5060.N1	29-MAY-2010 20:54:32	Bright	56.000	53	43Bet And	2.0480	3300.0	112	43111	No
115	GOM_TRA_1PNPDE20100529_205711_000000532089_00472_43111_5061.N1	29-MAY-2010 20:57:11	Tw_i_and_stray	52.500	58	21Alp And	2.0730	11000.	105	43111	No
116	GOM_TRA_1PNPDE20100529_210158_000000512089_00472_43111_5062.N1	29-MAY-2010 21:01:58	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	43111	No
117	GOM_TRA_1PNPDE20100529_211054_000000482089_00472_43111_5065.N1	29-MAY-2010 21:10:54	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	43111	No
118	GOM_TRA_1PNPDE20100529_211914_000000562089_00472_43111_5066.N1	29-MAY-2010 21:19:14	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	43111	No
119	GOM_TRA_1PNPDE20100529_212246_000000592089_00473_43112_5067.N1	29-MAY-2010 21:22:46	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	43112	No
120	GOM_TRA_1PNPDE20100529_212436_000000482089_00473_43112_5068.N1	29-MAY-2010 21:24:36	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43112	No
121	GOM_TRA_1PNPDE20100529_212942_000000432089_00473_43112_5069.N1	29-MAY-2010 21:29:42	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43112	No
122	GOM_TRA_1PNPDE20100529_213718_000000432089_00473_43112_5070.N1	29-MAY-2010 21:37:18	Straylight	43.000	147	Alp Ara	2.8770	26000.	86	43112	No
123	GOM_TRA_1PNPDE20100529_213858_000000462089_00473_43112_5071.N1	29-MAY-2010 21:38:58	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43112	No
124	GOM_TRA_1PNPDE20100529_214047_000000502089_00473_43112_5072.N1	29-MAY-2010 21:40:47	Tw_i_and_stray	50.000	25	35Lam Sco	1.6200	28000.	100	43112	No
125	GOM_TRA_1PNPDE20100529_214237_000000482089_00473_43112_5073.N1	29-MAY-2010 21:42:37	Tw_i_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	43112	No
126	GOM_TRA_1PNPDE20100529_214442_000000442089_00473_43112_5074.N1	29-MAY-2010 21:44:42	Bright	43.500	136	23Tau Sco	2.8220	30000.	87	43112	No

127	GOM_TRA_1PNPDE20100529_214649_000000432089_00473_43112_5075.N1	29-MAY-2010 21:46:49	Bright	43.000	80	7Del Sco	2.3160	30000.	86	43112	No
128	GOM_TRA_1PNPDE20100529_214825_000000502089_00473_43112_5076.N1	29-MAY-2010 21:48:25	Bright	50.000	86	35Eta Oph	2.4300	10200.	100	43112	No
129	GOM_TRA_1PNPDE20100529_215019_000000442089_00473_43112_5077.N1	29-MAY-2010 21:50:19	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	43112	No
130	GOM_TRA_1PNPDE20100529_215232_000000412089_00473_43112_5078.N1	29-MAY-2010 21:52:32	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43112	No
131	GOM_TRA_1PNPDE20100529_215533_000000382089_00473_43112_5079.N1	29-MAY-2010 21:55:33	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43112	No
132	GOM_TRA_1PNPDE20100529_220131_000000402089_00473_43112_5080.N1	29-MAY-2010 22:01:31	Bright	40.000	67	5Alp CrB	2.2210	11000.	80	43112	No
133	GOM_TRA_1PNPDE20100529_220424_000000452089_00473_43112_5081.N1	29-MAY-2010 22:04:24	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	43112	No
134	GOM_TRA_1PNPDE20100529_221212_000000422089_00473_43112_5082.N1	29-MAY-2010 22:12:12	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	43112	No
135	GOM_TRA_1PNPDE20100529_222246_000000472089_00473_43112_5083.N1	29-MAY-2010 22:22:46	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43112	No
136	GOM_TRA_1PNPDE20100529_222729_000000432089_00473_43112_5084.N1	29-MAY-2010 22:27:29	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	43112	No
137	GOM_TRA_1PNPDE20100529_223508_000000562089_00473_43112_5085.N1	29-MAY-2010 22:35:08	Bright	56.000	53	43Bet And	2.0480	3300.0	112	43112	No
138	GOM_TRA_1PNPDE20100529_223746_000000542089_00473_43112_5086.N1	29-MAY-2010 22:37:46	Twilight	54.000	58	21Alp And	2.0730	11000.	108	43112	No
139	GOM_TRA_1PNPDE20100529_224234_000000512089_00473_43112_5087.N1	29-MAY-2010 22:42:34	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	43112	No
140	GOM_TRA_1PNPDE20100529_225130_000000472089_00473_43112_5086.N1	29-MAY-2010 22:51:30	Dark	47.000	52	16Bet Cet	2.0370	4500.0	94	43112	No
141	GOM_TRA_1PNPDE20100529_225951_000000512089_00473_43112_5087.N1	29-MAY-2010 22:59:51	Dark	50.500	18	24Alp PsA	1.1660	9700.0	101	43112	No
142	GOM_TRA_1PNPDE20100529_230323_000000612089_00474_43113_5088.N1	29-MAY-2010 23:03:23	Dark	61.000	63	Bet Gru	2.1500	2800.0	122	43113	No
143	GOM_TRA_1PNPDE20100529_230513_000000452089_00474_43113_5089.N1	29-MAY-2010 23:05:13	Dark	45.000	31	Alp Gru	1.7340	15200.	90	43113	No
144	GOM_TRA_1PNPDE20100529_231019_000000452089_00474_43113_5090.N1	29-MAY-2010 23:10:19	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	43113	No
145	GOM_TRA_1PNPDE20100529_231754_000000422089_00474_43113_5091.N1	29-MAY-2010 23:17:54	Straylight	42.000	147	Alp Ara	2.8770	26000.	84	43113	No
146	GOM_TRA_1PNPDE20100529_231935_000000522089_00474_43113_5092.N1	29-MAY-2010 23:19:35	Straylight	51.500	40	The Sco	1.8590	7100.0	103	43113	No
147	GOM_TRA_1PNPDE20100529_232124_000000472089_00474_43113_5093.N1	29-MAY-2010 23:21:24	Twilight	47.000	25	35Lam Sco	1.6200	28000.	94	43113	No
148	GOM_TRA_1PNPDE20100529_232314_000000462089_00474_43113_5094.N1	29-MAY-2010 23:23:14	Twilight	46.000	75	26Eps Sco	2.2910	4250.0	92	43113	No
149	GOM_TRA_1PNPDE20100529_232518_000000442089_00474_43113_5095.N1	29-MAY-2010 23:25:18	Bright	43.500	136	23Tau Sco	2.8220	30000.	87	43113	No
150	GOM_TRA_1PNPDE20100529_232725_000000442089_00474_43113_5096.N1	29-MAY-2010 23:27:25	Bright	44.000	80	7Del Sco	2.3160	30000.	88	43113	No
151	GOM_TRA_1PNPDE20100529_232901_000000482089_00474_43113_5097.N1	29-MAY-2010 23:29:01	Bright	48.000	86	35Eta Oph	2.4300	10200.	96	43113	No
152	GOM_TRA_1PNPDE20100529_233055_000000422089_00474_43113_5098.N1	29-MAY-2010 23:30:55	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	43113	No
153	GOM_TRA_1PNPDE20100529_233308_000000412089_00474_43113_5099.N1	29-MAY-2010 23:33:08	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43113	No
154	GOM_TRA_1PNPDE20100529_233609_000000392089_00474_43113_5100.N1	29-MAY-2010 23:36:09	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	43113	No
155	GOM_TRA_1PNPDE20100529_234207_000000392089_00474_43113_5101.N1	29-MAY-2010 23:42:07	Bright	39.000	67	5Alp CrB	2.2210	11000.	78	43113	No
156	GOM_TRA_1PNPDE20100529_234459_000000482089_00474_43113_5102.N1	29-MAY-2010 23:44:59	Bright	48.000	133	40Zet Her	2.8070	6000.0	96	43113	No
157	GOM_TRA_1PNPDE20100529_235248_000000392089_00474_43113_5103.N1	29-MAY-2010 23:52:48	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	43113	No

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



#### 4. Overview of dark signal processing per product

The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

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

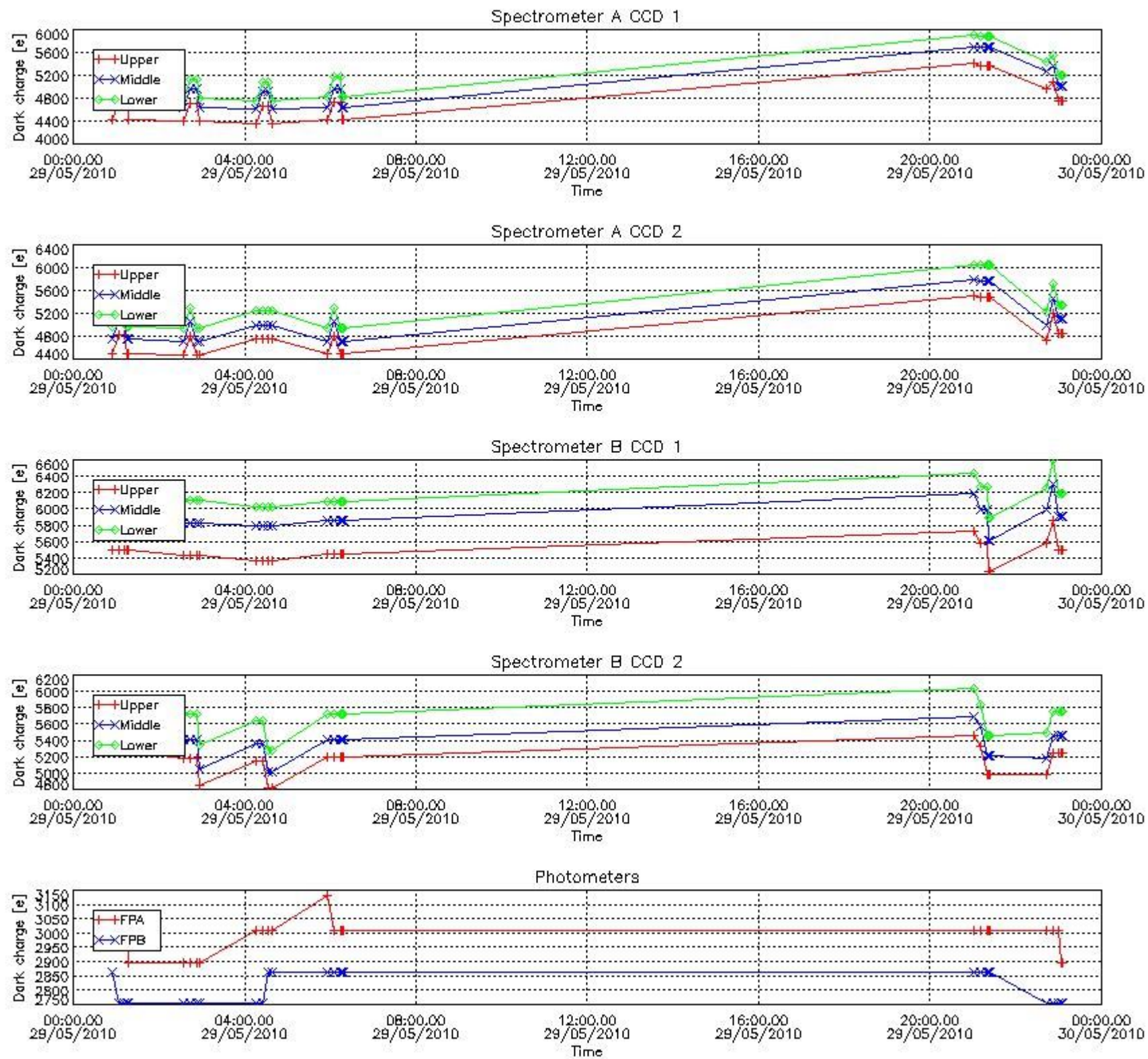
##### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100529_195642_000000412089_00472_43111_5045.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100529_195822_000000482089_00472_43111_5046.N1	DC map used
GOM_TRA_1PNPDE20100529_200011_000000492089_00472_43111_5047.N1	DC map used
GOM_TRA_1PNPDE20100529_200201_000000472089_00472_43111_5048.N1	DC map used
GOM_TRA_1PNPDE20100529_200406_000000442089_00472_43111_5049.N1	DC map used
GOM_TRA_1PNPDE20100529_200613_000000442089_00472_43111_5050.N1	DC map used
GOM_TRA_1PNPDE20100529_200749_000000472089_00472_43111_5051.N1	DC map used
GOM_TRA_1PNPDE20100529_200943_000000432089_00472_43111_5052.N1	DC map used
GOM_TRA_1PNPDE20100529_201156_000000412089_00472_43111_5053.N1	DC map used
GOM_TRA_1PNPDE20100529_201457_000000382089_00472_43111_5054.N1	DC map used
GOM_TRA_1PNPDE20100529_202056_000000382089_00472_43111_5055.N1	DC map used
GOM_TRA_1PNPDE20100529_202348_000000462089_00472_43111_5056.N1	DC map used
GOM_TRA_1PNPDE20100529_203137_000000422089_00472_43111_5057.N1	DC map used
GOM_TRA_1PNPDE20100529_204210_000000462089_00472_43111_5058.N1	DC map used



GOM_TRA_1PNPDE20100529_204653_000000552089_00472_43111_5059.N1	DC map used
GOM_TRA_1PNPDE20100529_205432_000000562089_00472_43111_5060.N1	DC map used
GOM_TRA_1PNPDE20100529_205711_000000532089_00472_43111_5061.N1	DC map used
GOM_TRA_1PNPDE20100529_210158_000000512089_00472_43111_5062.N1	DC map used

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



5. Demodulation flag and quality information monitoring

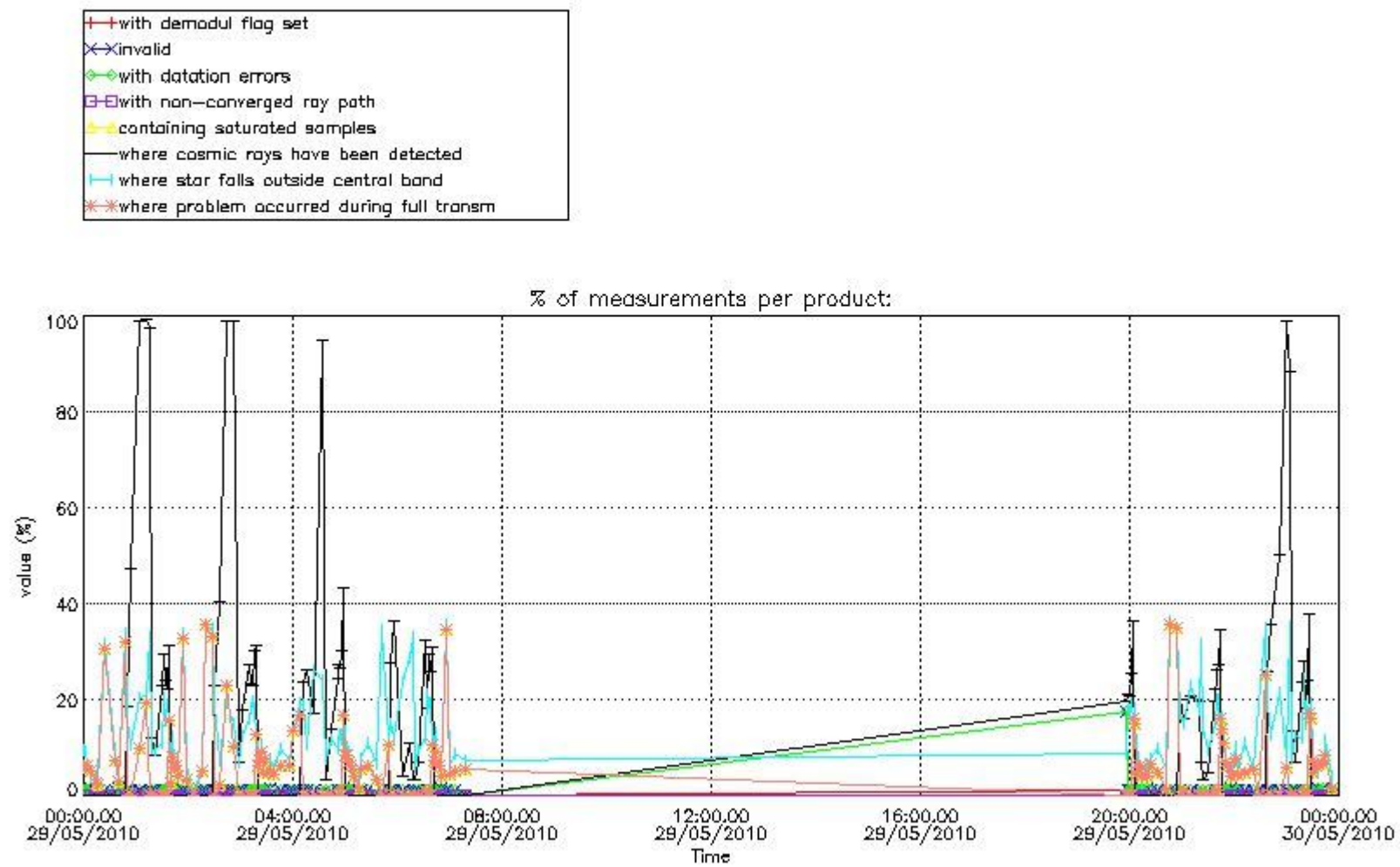
In this section it is presented the modulation information extracted from the pcd (product confidence data)

at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

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

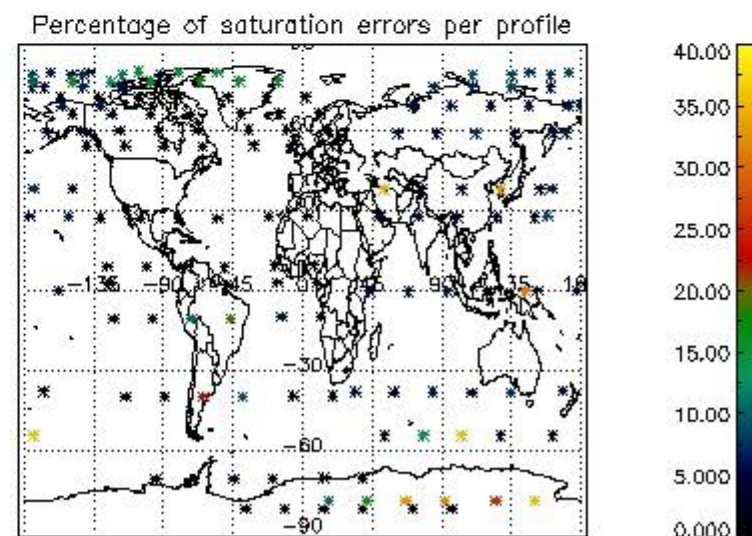
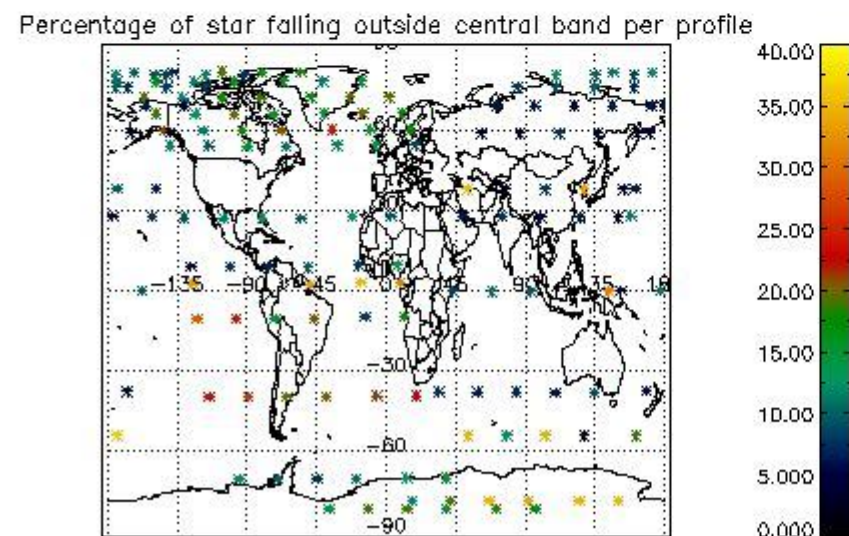
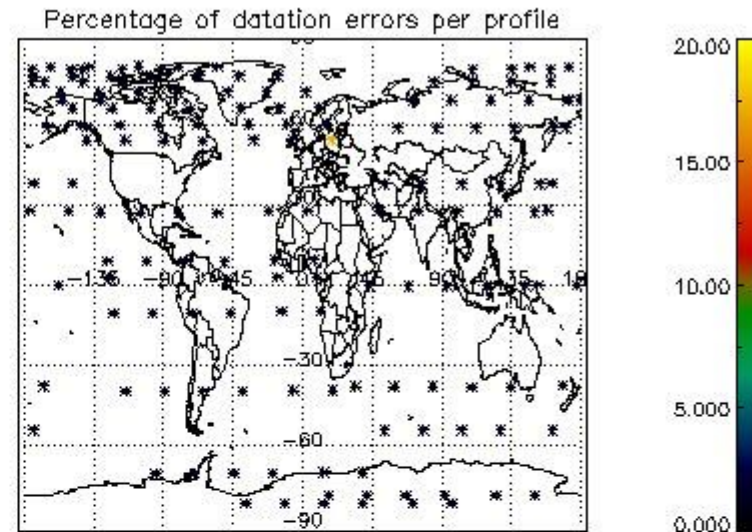
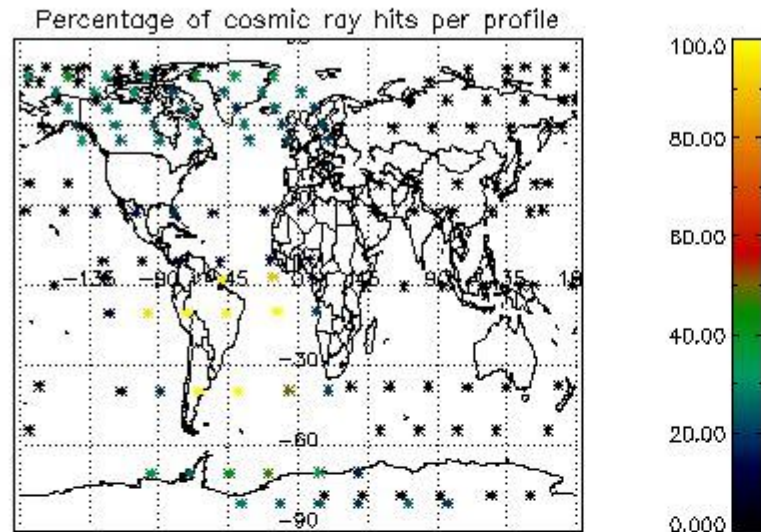
At least one measurement with demodulation flag set:	41.4013 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





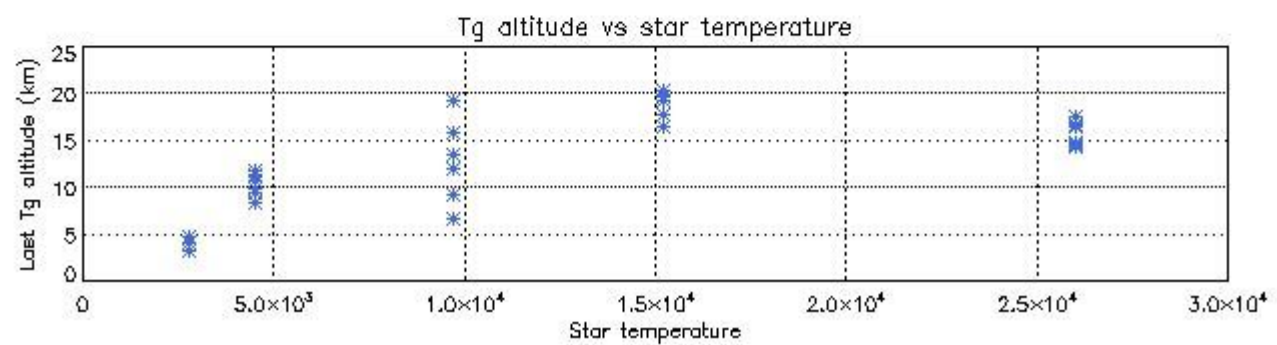
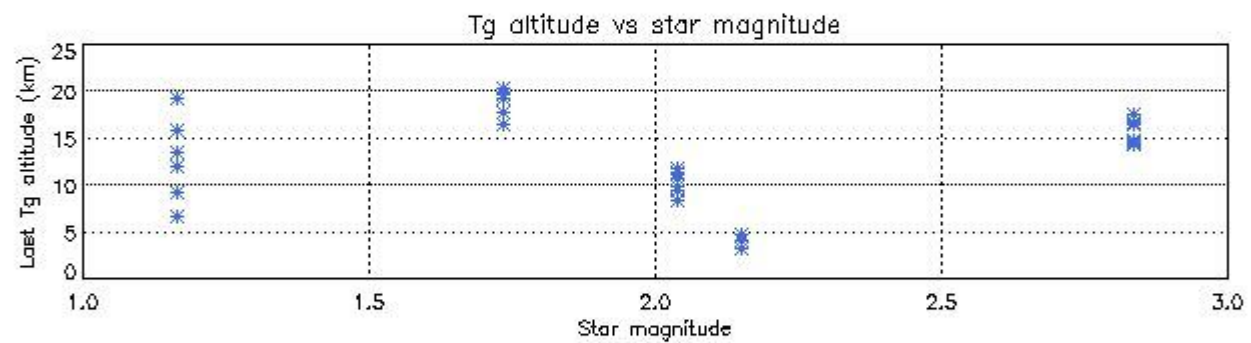
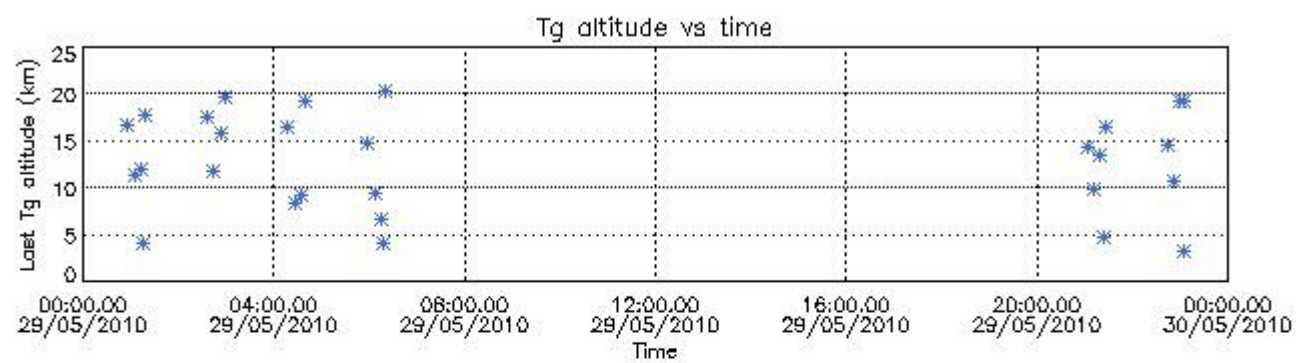
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.892	17.567	NaN
St. deviation:	5.2650	5.4745	NaN
Maximum:	20.391	28.464	NaN
Minimum:	3.2237	3.8077	NaN
Number of data:	28.000	85.000	NaN

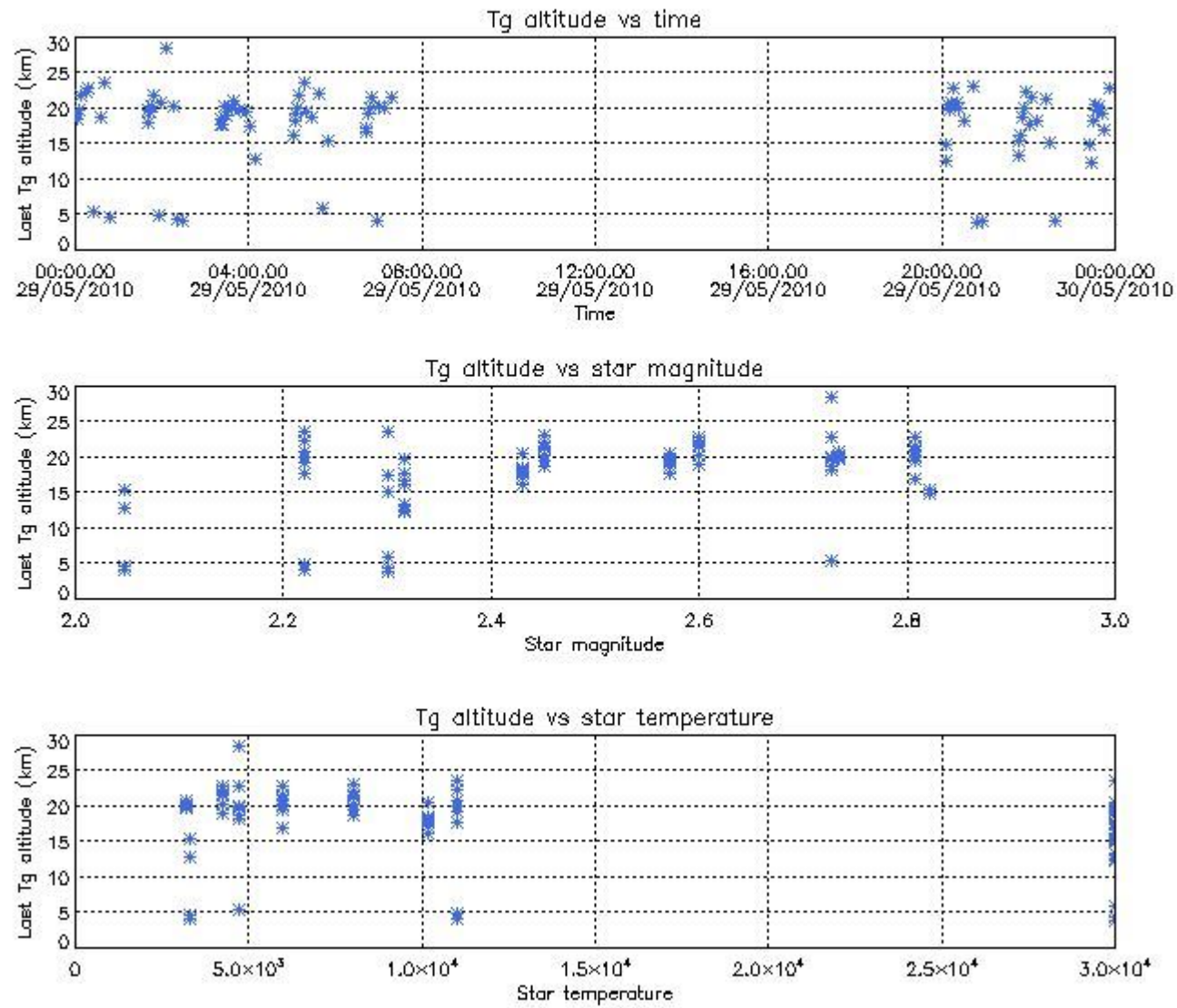
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



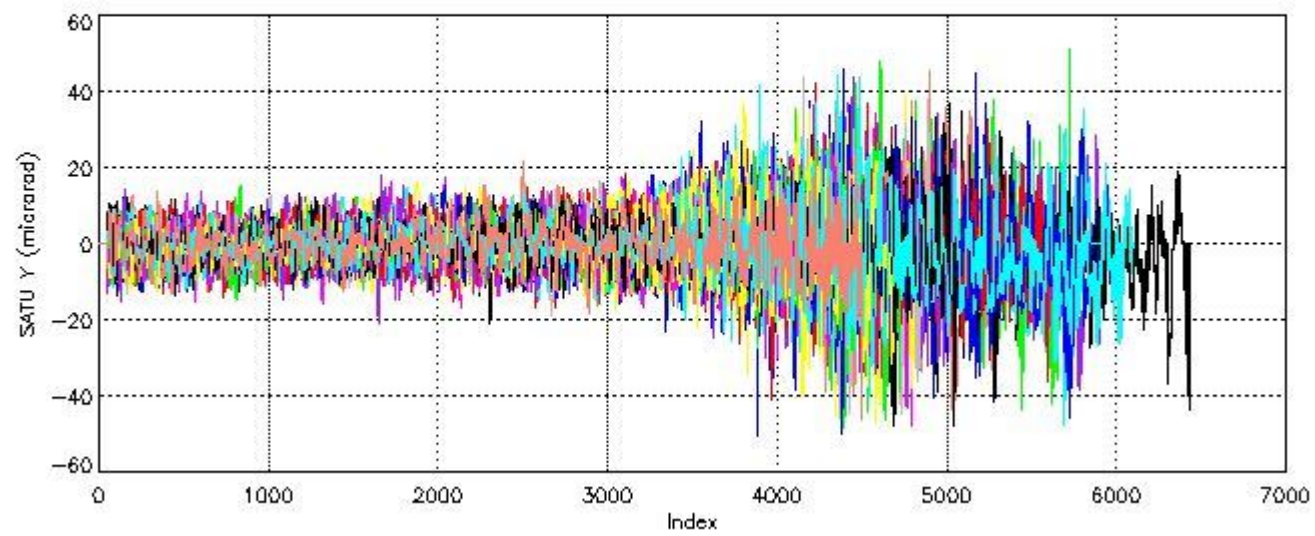
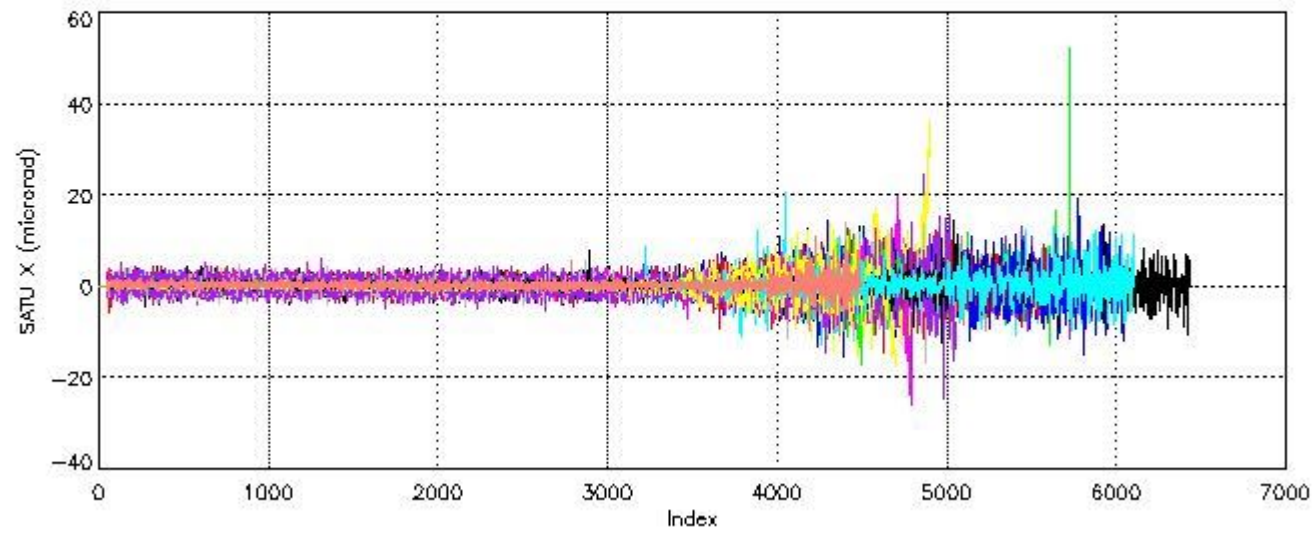
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.21144	-0.71625	0.23307	-0.69472
St. deviation:	0.57814	4.1380	0.80055	4.0758
Maximum:	5.2000	15.400	4.8000	17.600
Minimum:	-5.7000	-15.100	-4.0000	-21.200

Number of data:	29450.	29450.	83650.	83650.
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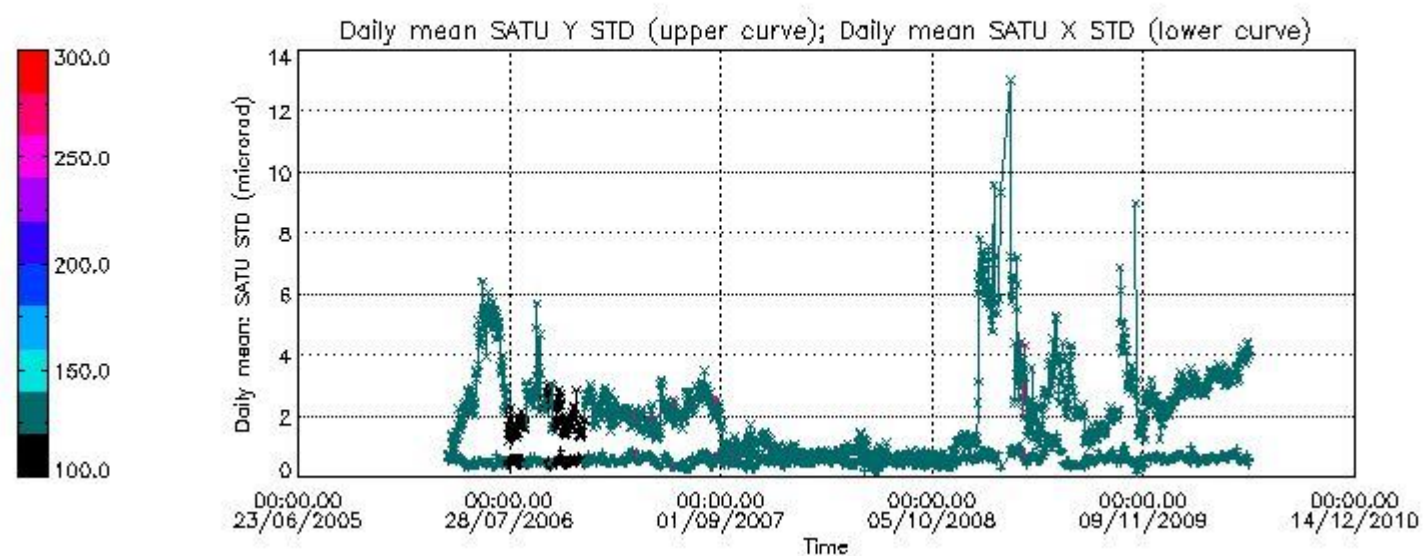
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

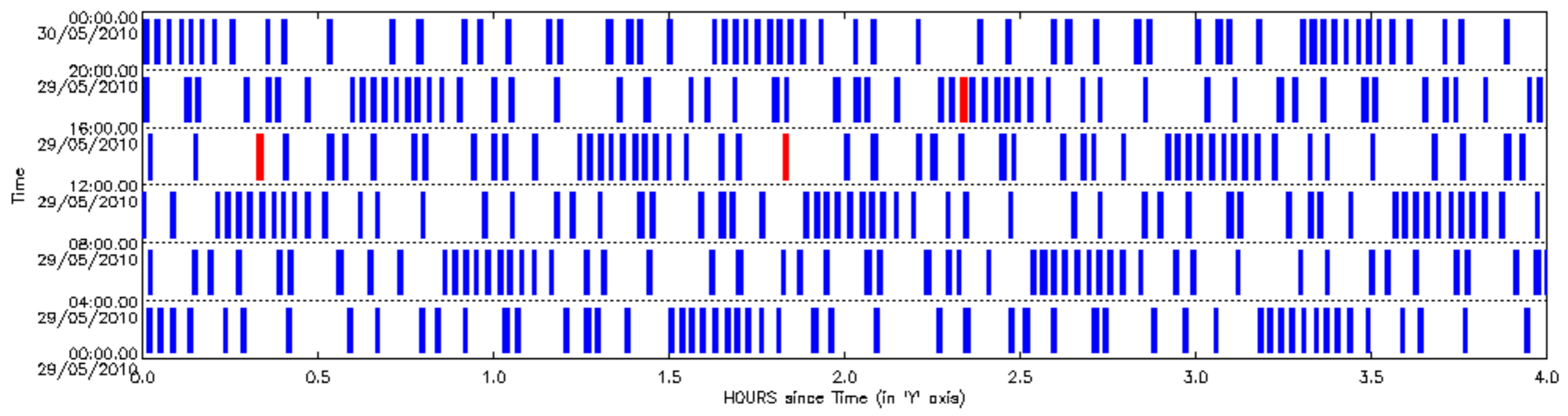
Lower curve: STD of SATU X axis



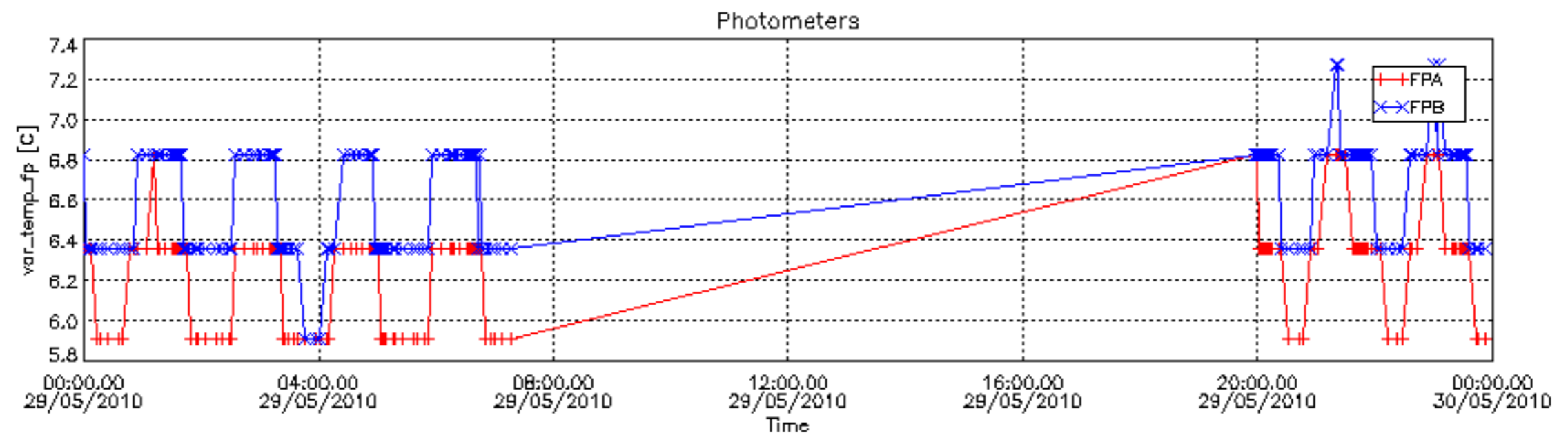
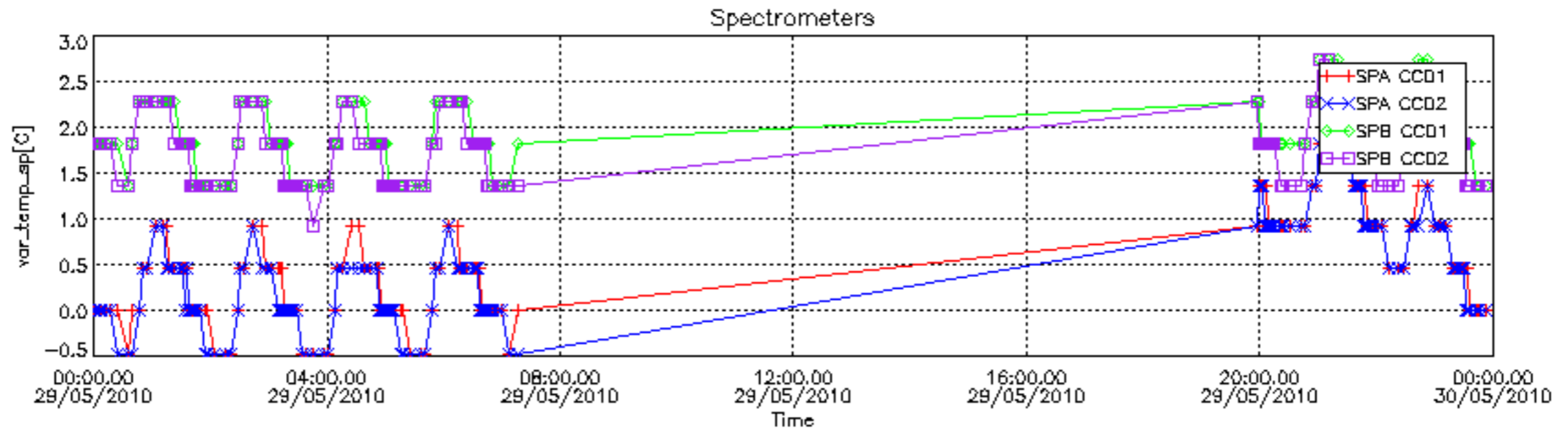
### 8. Auxiliary Data Files used for the production reported in section 2.4

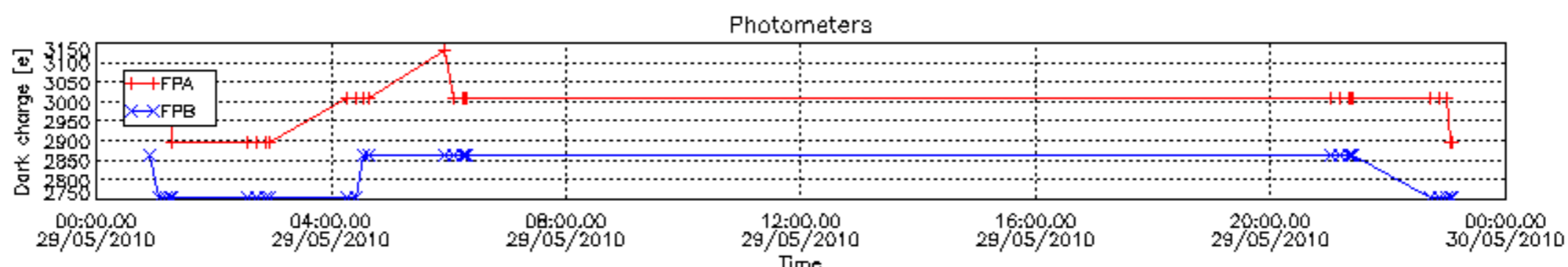
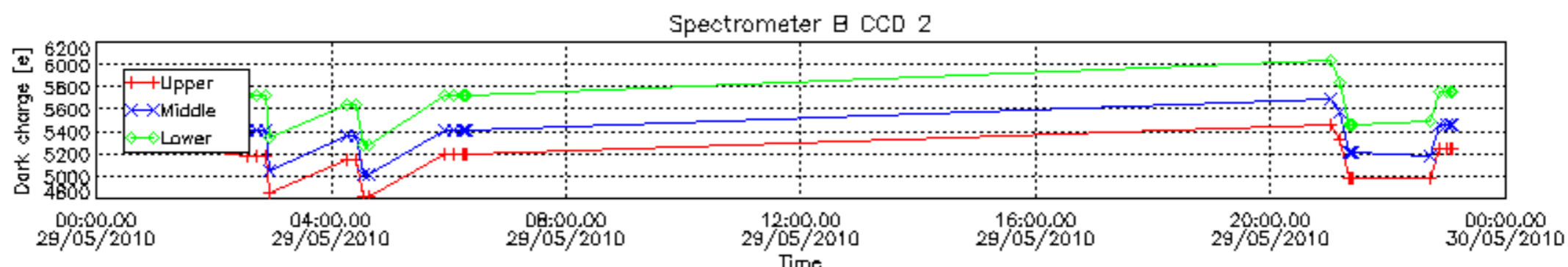
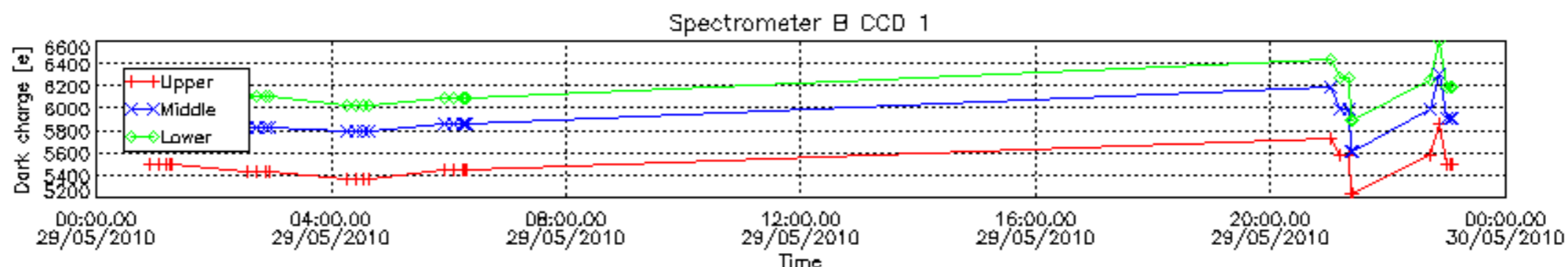
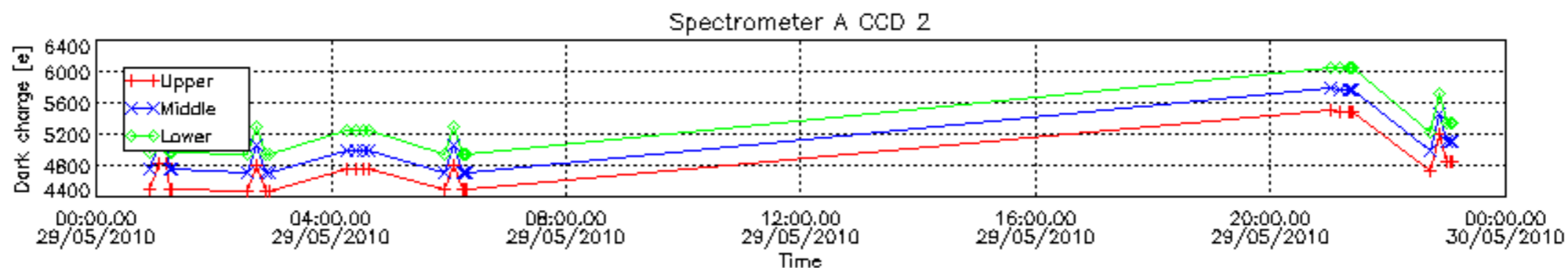
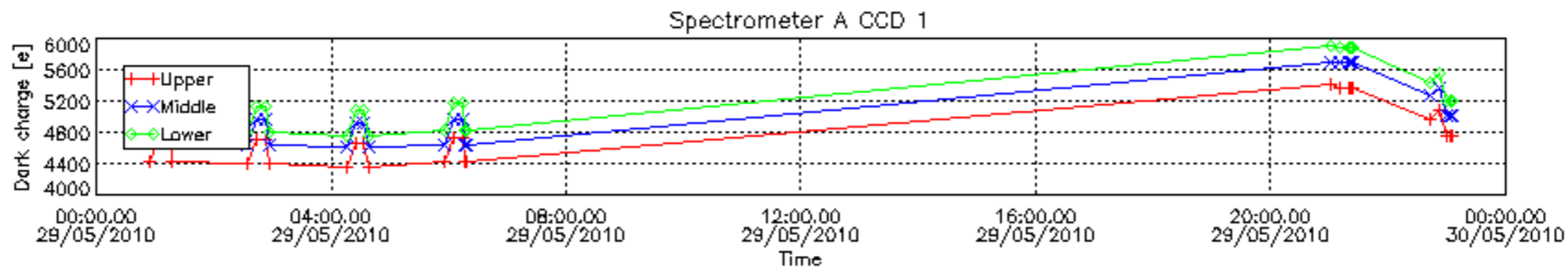
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

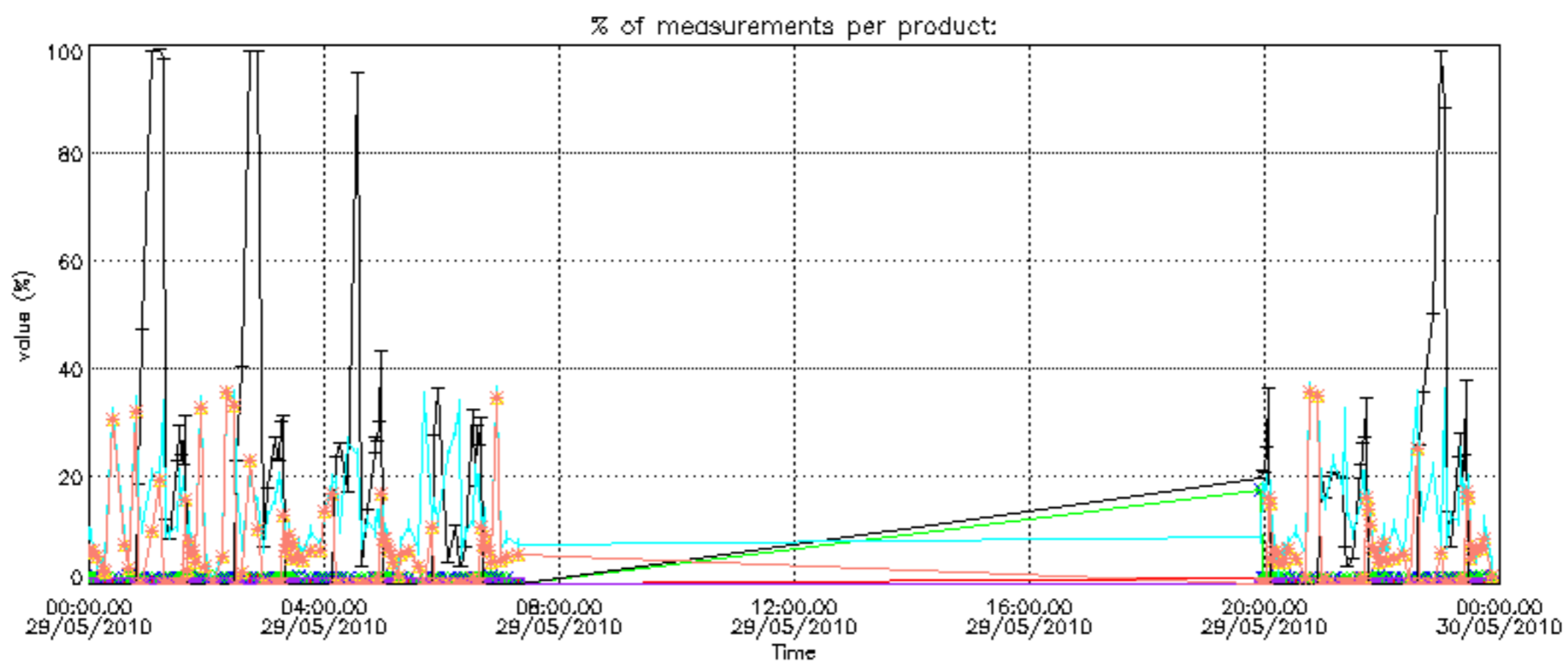
Type	Auxiliary Filename	Used since product	Used since product date
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100526_084407_20100525_000000_20500101_000000	1	29-MAY-2010 00:00:37
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	29-MAY-2010 00:00:37
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-MAY-2010 00:00:37
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	29-MAY-2010 00:00:37
ECMWF_FILE	AUX_ECF_AXNECM20100528_054114_20100528_210000_20100529_090000	1	29-MAY-2010 00:00:37
ECMWF_FILE	AUX_ECF_AXNECM20100528_173145_20100529_030000_20100529_150000	52	29-MAY-2010 03:45:40
ECMWF_FILE	AUX_ECA_AXNECM20100529_052115_20100528_210000_20100529_090000	76	29-MAY-2010 05:41:30
ECMWF_FILE	AUX_ECF_AXNECM20100529_054113_20100529_150000_20100530_030000	99	29-MAY-2010 19:56:42
ECMWF_FILE	AUX_ECF_AXNECM20100529_054113_20100529_210000_20100530_090000	117	29-MAY-2010 21:10:54
OPTIONAL_ECMWF_FILE	MISSING	1	29-MAY-2010 00:00:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100528_232036_000057382089_00459_43098_0443.N1	1	29-MAY-2010 00:00:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100529_010133_000092452089_00460_43099_0444.N1	13	29-MAY-2010 01:03:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100529_034056_000063762089_00462_43101_0445.N1	52	29-MAY-2010 03:45:40
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100528_092112_20100527_190400_20100606_203014	76	29-MAY-2010 05:41:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100529_195315_000038252089_00472_43111_0447.N1	99	29-MAY-2010 19:56:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100529_210219_000060572089_00472_43111_0448.N1	117	29-MAY-2010 21:10:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100529_224835_000057382089_00473_43112_0449.N1	140	29-MAY-2010 22:51:30





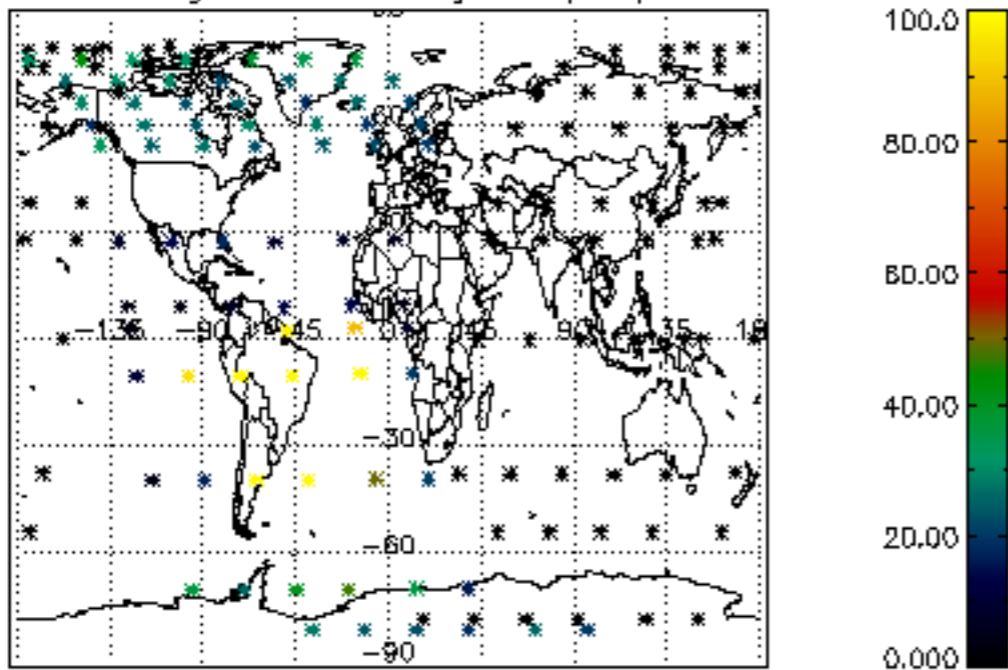




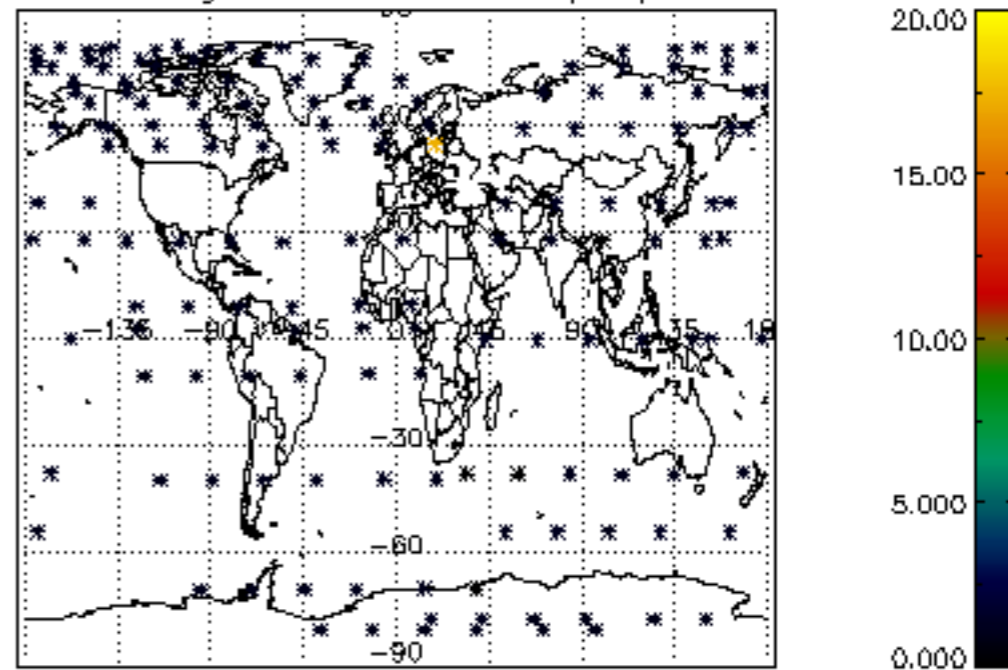




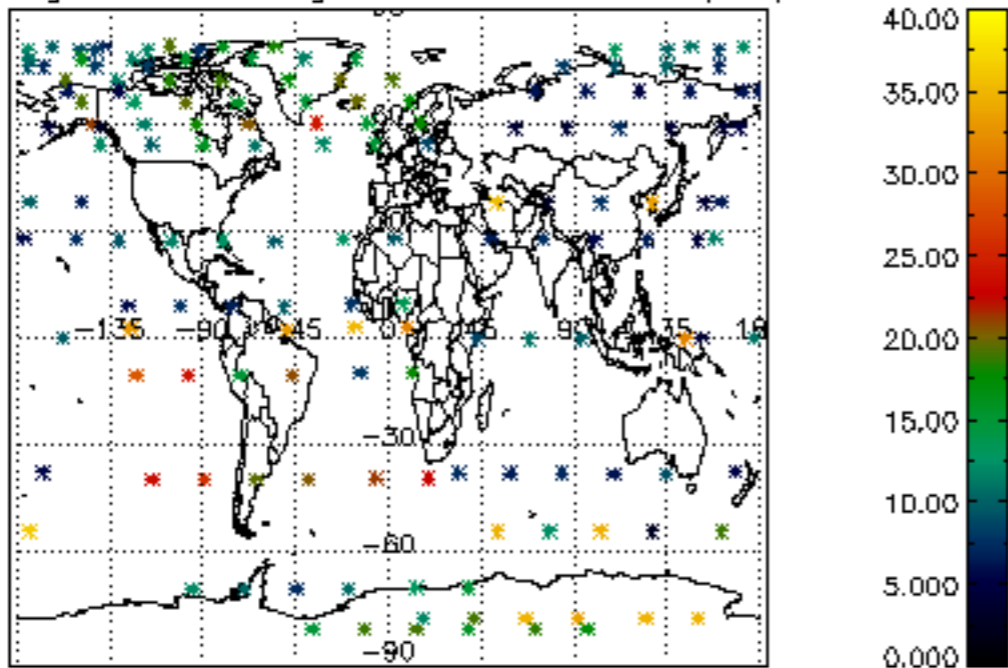
Percentage of cosmic ray hits per profile



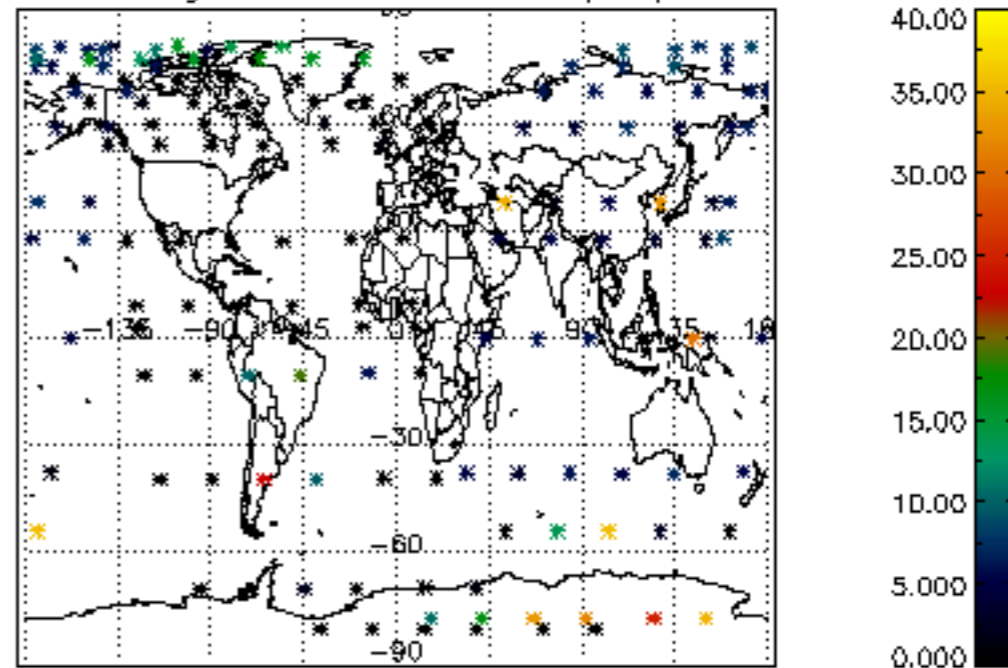
Percentage of datation errors per profile



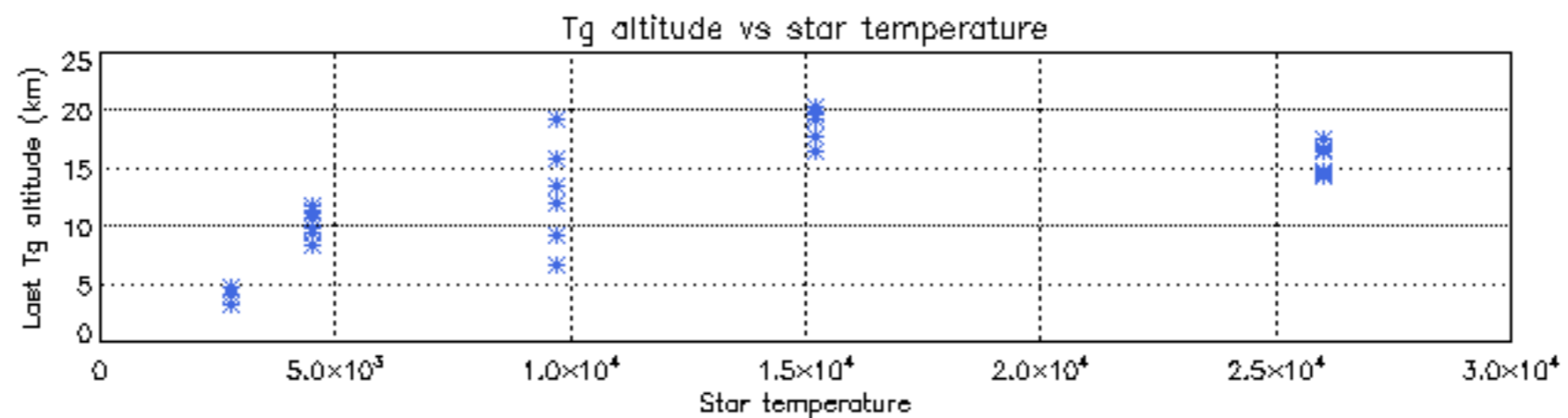
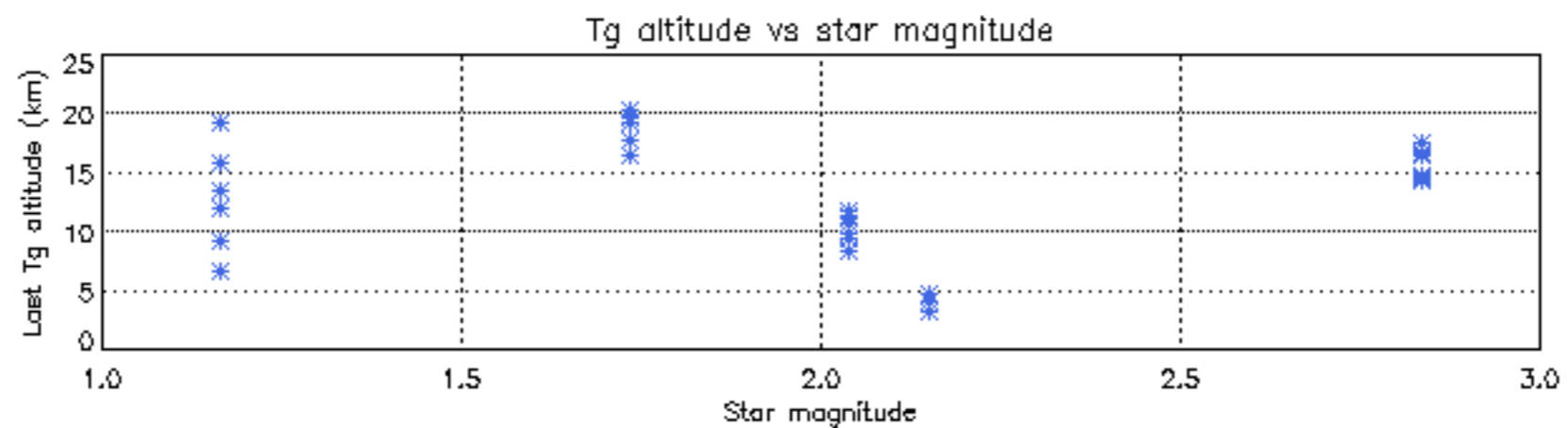
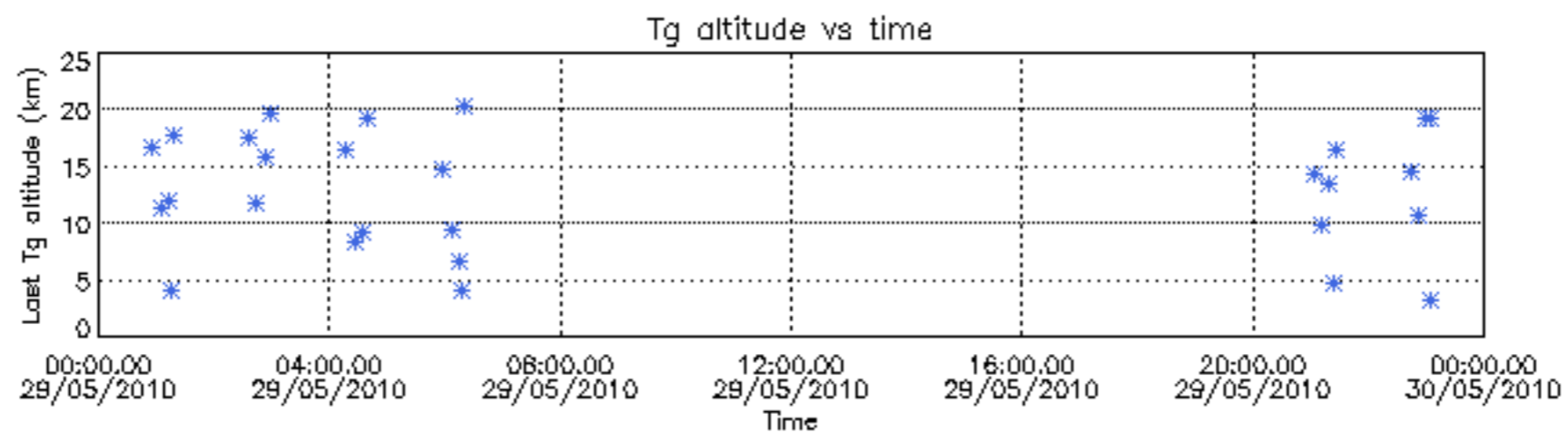
Percentage of star falling outside central band per profile



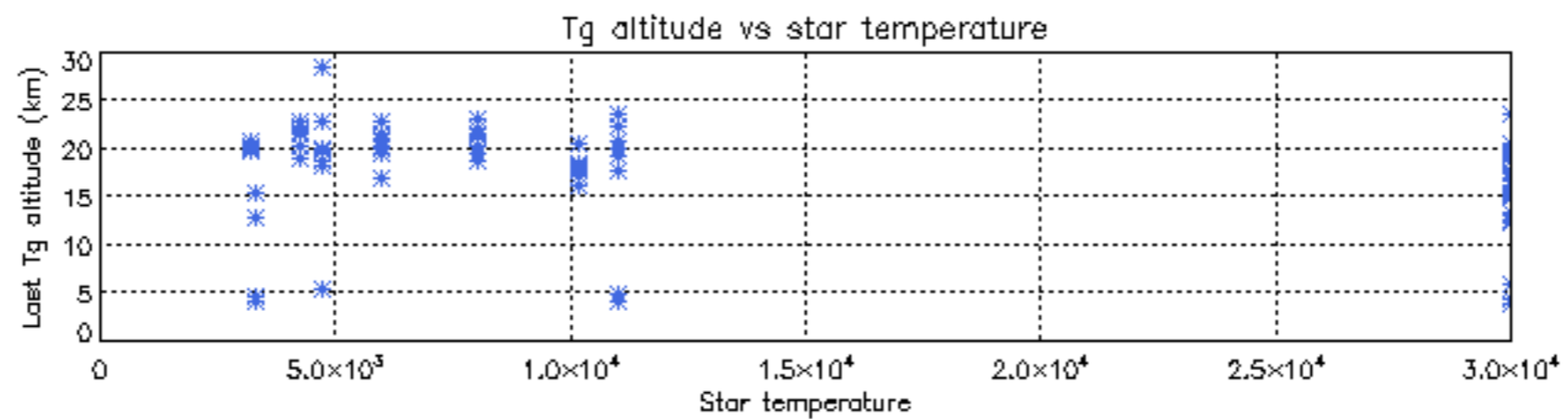
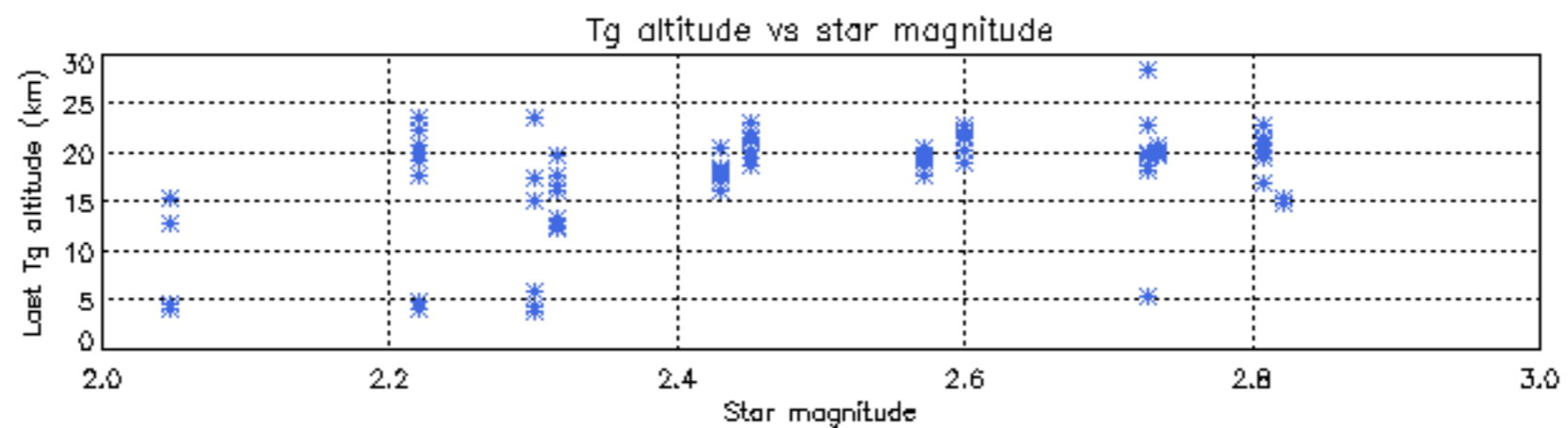
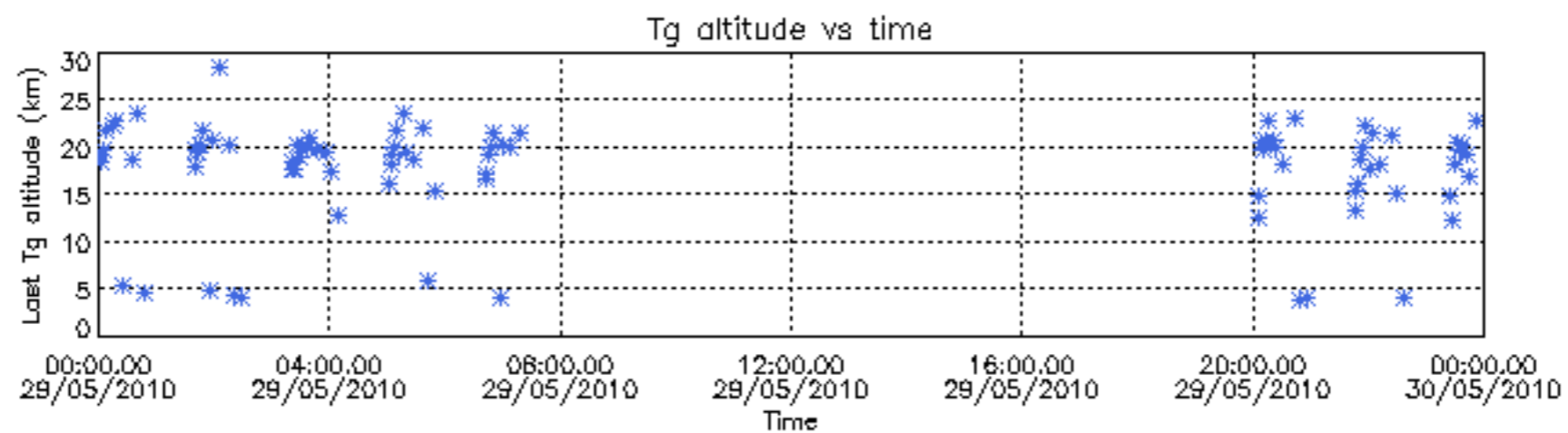
Percentage of saturation errors per profile

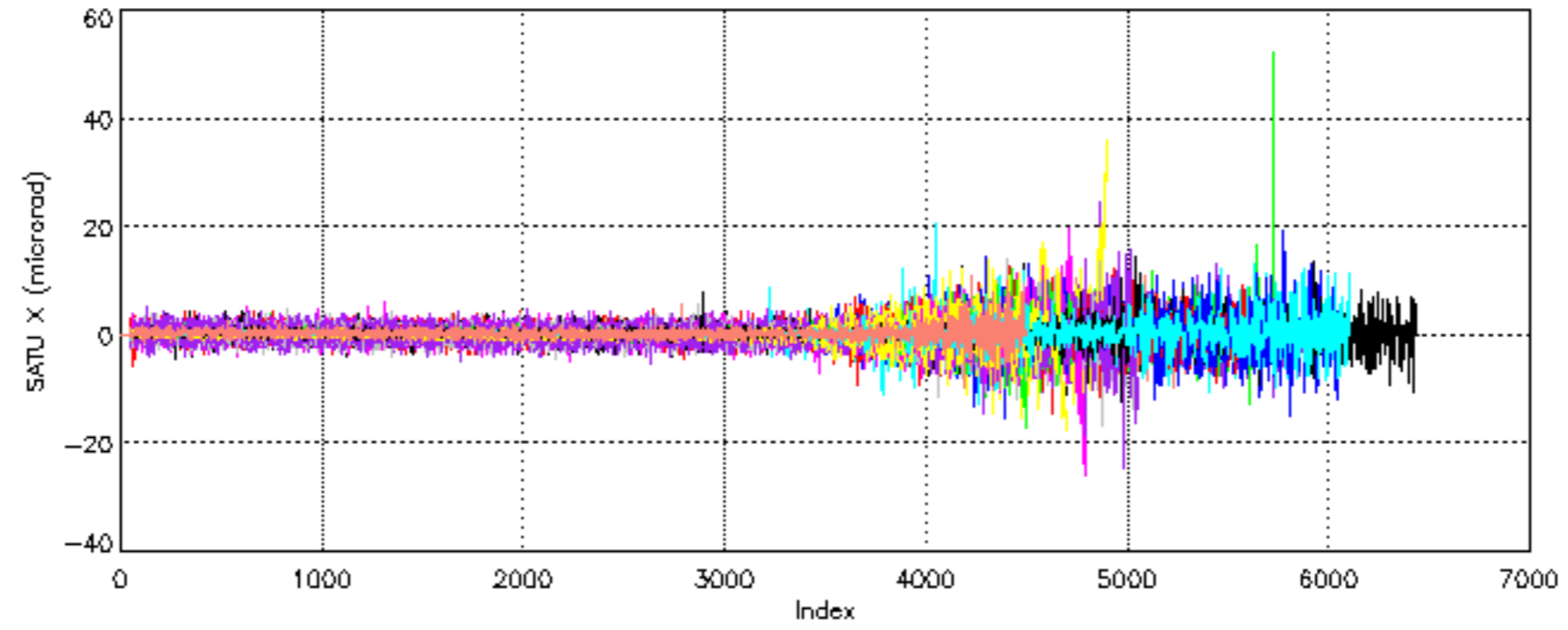


Tangent altitude at which the star is lost

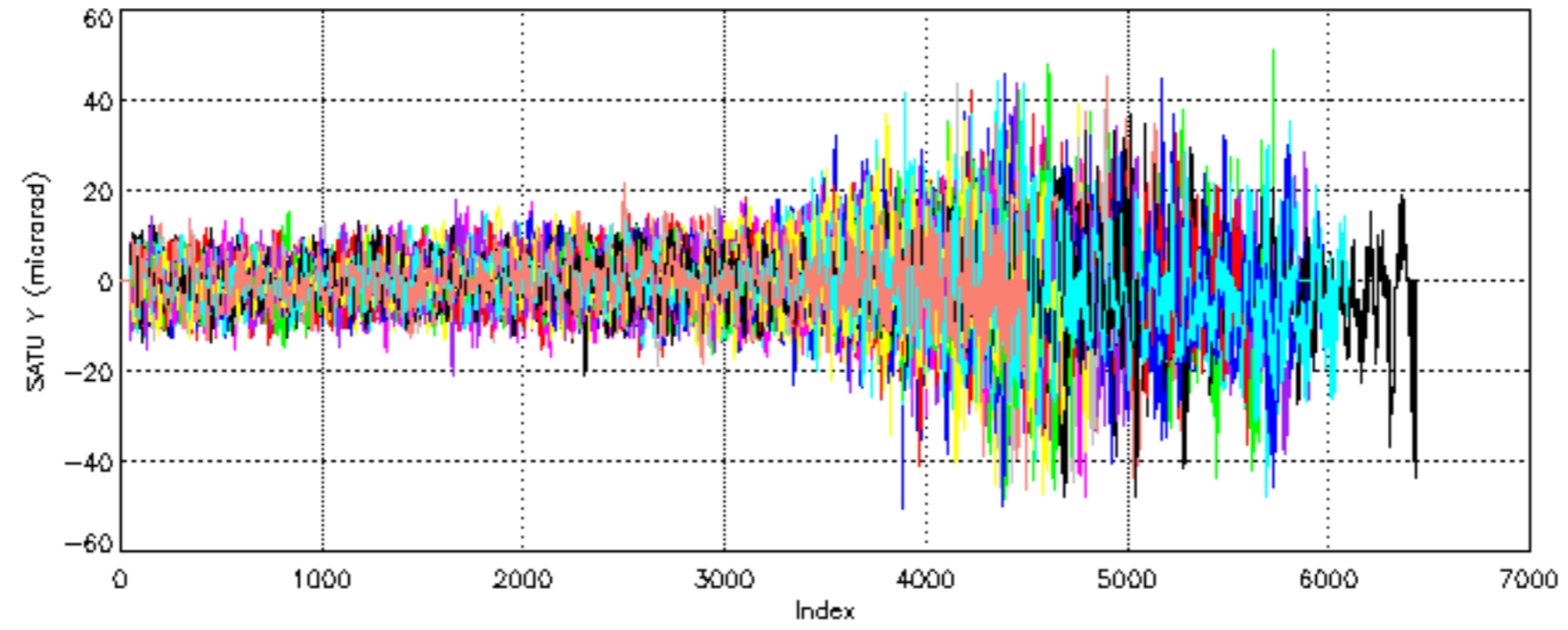


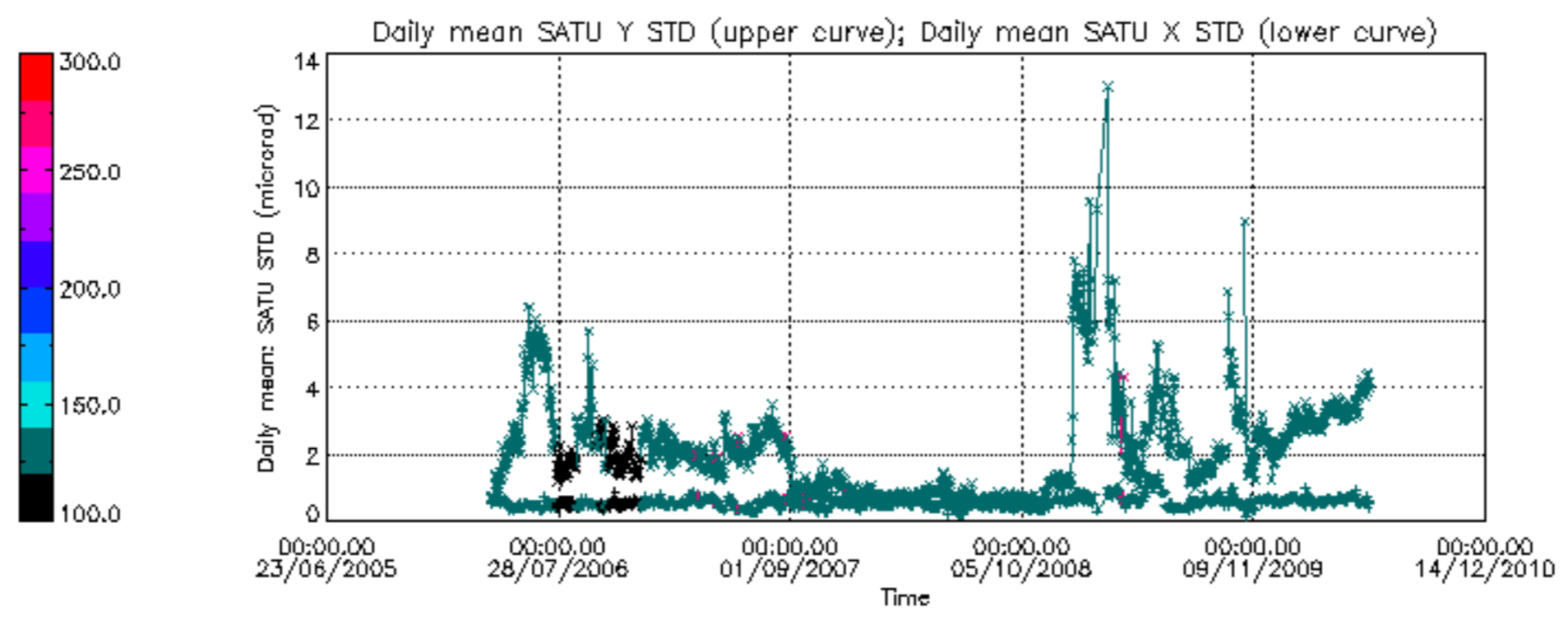
Tangent altitude at which the star is lost











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 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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21; 2770.3; 01-MAY-2010 06:42:37; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42702
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 2; 1725.5; 04-MAY-2010 11:32:45; Bright; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;42748  
 3; 2252.7; 04-MAY-2010 11:41:32; Bright; 40.0; 3; 16Alp Boo ; -0.05; 4250;occ; 80; 0;42748  
 4; 2433.0; 04-MAY-2010 11:44:33; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42748  
 5; 2616.0; 04-MAY-2010 11:47:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42748  
 6; 3181.6; 04-MAY-2010 11:57:01; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42748  
 7; 3813.5; 04-MAY-2010 12:07:33; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;42748  
 8; 4545.0; 04-MAY-2010 12:19:45; Dark ; 51.0; 93; 53Bet Peg ; 2.52; 3100;occ; 102; 0;42748  
 9; 4789.5; 04-MAY-2010 12:23:49; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42748  
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13; 5615.9; 04-MAY-2010 12:37:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42748
14; 5833.8; 04-MAY-2010 12:41:13; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42748
15; 6786.6; 04-MAY-2010 12:57:06; Dark ; 63.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 127; 0;42749
16; 6932.6; 04-MAY-2010 12:59:32; Dark ; 57.0; 25; 35Lam Sco ; 1.62; 28000;occ; 114; 0;42749
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19; 7450.0; 04-MAY-2010 13:08:10; Dark ; 57.0; 80; 7Del Sco ; 2.32; 30000;occ; 114; 0;42749
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2; 1725.9; 04-MAY-2010 13:13:21; Bright; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;42749
3; 2252.7; 04-MAY-2010 13:22:08; Bright; 41.0; 3; 16Alp Boo ;-0.05; 4250;occ; 82; 0;42749
4; 2432.7; 04-MAY-2010 13:25:08; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42749
5; 2615.6; 04-MAY-2010 13:28:11; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;42749
6; 3181.1; 04-MAY-2010 13:37:37; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42749
7; 3813.2; 04-MAY-2010 13:48:09; Bright; 51.5; 89; 5Alp Cep ; 2.45; 8000;occ; 103; 0;42749
8; 4545.1; 04-MAY-2010 14:00:21; Dark ; 56.5; 93; 53Bet Peg ; 2.52; 3100;occ; 113; 0;42749
9; 4789.9; 04-MAY-2010 14:04:25; Dark ; 46.5; 90; 54Alp Peg ; 2.49; 11000;occ; 93; 0;42749
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11; 5219.2; 04-MAY-2010 14:11:35; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42749
12; 5465.3; 04-MAY-2010 14:15:41; Dark ; 68.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 137; 0;42749
13; 5617.2; 04-MAY-2010 14:18:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42749
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4; 2252.4; 04-MAY-2010 15:02:44; Bright; 40.5; 3; 16Alp Boo ;-0.05; 4250;occ; 81; 0;42750
5; 2432.2; 04-MAY-2010 15:05:44; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42750
6; 2615.4; 04-MAY-2010 15:08:47; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42750
7; 3180.5; 04-MAY-2010 15:18:12; Bright; 64.0; 119; 14Eta Dra ; 2.73; 4700;occ; 128; 0;42750
8; 3813.0; 04-MAY-2010 15:28:44; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42750
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11; 5077.4; 04-MAY-2010 15:49:49; Dark ; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;42750
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13; 5466.8; 04-MAY-2010 15:56:18; Dark ; 69.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 138; 0;42750
14; 5618.6; 04-MAY-2010 15:58:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42750
15; 5835.3; 04-MAY-2010 16:02:27; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42750
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3; 1595.7; 04-MAY-2010 16:32:23; Bright; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;42751
4; 1725.9; 04-MAY-2010 16:34:33; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;42751
5; 2252.2; 04-MAY-2010 16:43:20; Bright; 39.0; 3; 16Alp Boo ;-0.05; 4250;occ; 78; 0;42751
6; 2431.9; 04-MAY-2010 16:46:19; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42751
7; 2615.2; 04-MAY-2010 16:49:23; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;42751
8; 3179.9; 04-MAY-2010 16:58:47; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42751
9; 3812.4; 04-MAY-2010 17:09:20; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42751
10; 4545.8; 04-MAY-2010 17:21:33; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42751
11; 4790.6; 04-MAY-2010 17:25:38; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;42751
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13; 5221.5; 04-MAY-2010 17:32:49; Dark ; 56.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 112; 0;42751
14; 5468.0; 04-MAY-2010 17:36:55; Dark ; 63.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 127; 0;42751
15; 5619.9; 04-MAY-2010 17:39:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42751
16; 5836.3; 04-MAY-2010 17:43:04; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42751
17; 6790.4; 04-MAY-2010 17:58:58; Dark ; 64.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 129; 0;42752
18; 6935.5; 04-MAY-2010 18:01:23; Dark ; 59.5; 25; 35Lam Sco ; 1.62; 28000;occ; 119; 0;42752
19; 7111.0; 04-MAY-2010 18:04:18; Dark ; 8.5; 75; 26Eps Sco ; 2.29; 4250;occ; 17; 0;42752

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 11; 3811.7; 04-MAY-2010 20:30:31; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;42753  
 12; 4545.8; 04-MAY-2010 20:42:45; Dark ; 53.5; 93; 53Bet Peg ; 2.52; 3100;occ; 107; 0;42753  
 13; 4791.2; 04-MAY-2010 20:46:51; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42753

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 3; -564.8; 04-MAY-2010 20:58:11; Dark ; 63.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 127; 0;42753  
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 6; 757.2; 04-MAY-2010 21:20:12; Dark ; 64.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 128; 0;42754  
 7; 901.0; 04-MAY-2010 21:22:36; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42754  
 8; 1076.3; 04-MAY-2010 21:25:32; Dark ; 59.5; 75; 26Eps Sco ; 2.29; 4250;occ; 119; 0;42754  
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 19; 4791.6; 04-MAY-2010 22:27:27; Dark ; 48.0; 90; 54Alp Peg ; 2.49; 11000;occ; 96; 0;42754  
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 4; 758.2; 04-MAY-2010 23:00:49; Dark ; 64.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 128; 0;42755  
 5; 901.8; 04-MAY-2010 23:03:13; Dark ; 63.0; 25; 35Lam Sco ; 1.62; 28000;occ; 126; 0;42755  
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16; 5621.2; 04-MAY-2010 19:20:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42752
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 4; 902.9; 05-MAY-2010 00:43:50; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42756
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6; 693.7; 07-MAY-2010 21:24:54; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42797  
7; 827.1; 07-MAY-2010 21:27:07; Dark ; 56.0; 40; The Sco ; 1.86; 7100;occ; 112; 0;42797  
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17; 2753.3; 07-MAY-2010 21:59:14; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42797  
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6; 827.9; 07-MAY-2010 23:07:44; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42798  
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9; 689.3; 07-MAY-2010 08:00:02; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42789  
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 3; 2222.8; 07-MAY-2010 08:25:36; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;42789
 4; 2416.9; 07-MAY-2010 08:28:50; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42789
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 9; 3799.5; 07-MAY-2010 08:51:52; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42789
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16; 6858.3; 07-MAY-2010 11:23:27; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42791
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11;	3138.1;	09-MAY-2010	21:02:25;	Bright;	44.5;	119;	14Eta Dra	; 2.73;	4700;occ;	89;	0;	42825
12;	3786.1;	09-MAY-2010	21:13:13;	Bright;	44.5;	89;	5Alp Cep	; 2.45;	8000;occ;	89;	0;	42825
13;	3965.2;	09-MAY-2010	21:16:12;	Bright;	54.0;	74;	11Bet Cas	; 2.27;	6600;occ;	108;	0;	42825
14;	4559.9;	09-MAY-2010	21:26:06;	Dark	; 55.0;	93;	53Bet Peg	; 2.52;	3100;occ;	110;	0;	42825
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3;	-71.2;	09-MAY-2010	21:49:31;	Dark	; 43.5;	31;	Alp Gru	; 1.73;	15200;occ;	87;	0;	42825
4;	264.3;	09-MAY-2010	21:55:07;	Dark	; 40.0;	45;	Alp Pav	; 1.94;	26000;occ;	80;	0;	42826
5;	710.5;	09-MAY-2010	22:02:33;	Dark	; 44.5;	141;	Bet Ara	; 2.84;	4600;occ;	89;	0;	42826
6;	849.2;	09-MAY-2010	22:04:52;	Dark	; 48.5;	40;	The Sco	; 1.86;	7100;occ;	97;	0;	42826
7;	960.3;	09-MAY-2010	22:06:43;	Dark	; 53.5;	25;	35Lam Sco	; 1.62;	28000;occ;	107;	0;	42826
8;	1118.8;	09-MAY-2010	22:09:21;	Dark	; 55.5;	75;	26Eps Sco	; 2.29;	4250;occ;	111;	0;	42826
9;	1319.8;	09-MAY-2010	22:12:42;	Dark	; 67.0;	16;	21Alp Sco	; 1.02;	3000;occ;	134;	0;	42826
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13;	2221.2;	09-MAY-2010	22:27:44;	Bright;	35.5;	111;	8Eta Boo	; 2.68;	6000;occ;	71;	0;	42826
14;	2404.3;	09-MAY-2010	22:30:47;	Bright;	42.0;	83;		; 2.38;	11000;occ;	84;	0;	42826
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16;	2750.1;	09-MAY-2010	22:36:32;	Bright;	34.0;	39;	85Eta UMa	; 1.85;	24000;occ;	68;	0;	42826
17;	3137.5;	09-MAY-2010	22:43:00;	Bright;	43.5;	119;	14Eta Dra	; 2.73;	4700;occ;	87;	0;	42826
18;	3786.0;	09-MAY-2010	22:53:48;	Bright;	42.0;	89;	5Alp Cep	; 2.45;	8000;occ;	84;	0;	42826
19;	3965.0;	09-MAY-2010	22:56:47;	Bright;	54.0;	74;	11Bet Cas	; 2.27;	6600;occ;	108;	0;	42826
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21;	4739.4;	09-MAY-2010	23:09:42;	Dark	; 41.0;	140;	88Gam Peg	; 2.83;	26000;occ;	82;	0;	42826
22;	4819.7;	09-MAY-2010	23:11:02;	Dark	; 49.5;	90;	54Alp Peg	; 2.49;	11000;occ;	99;	0;	42826
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2;	-281.3;	09-MAY-2010	23:26:37;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	42826
3;	264.7;	09-MAY-2010	23:35:43;	Dark	; 40.5;	45;	Alp Pav	; 1.94;	26000;occ;	81;	0;	42827
4;	710.8;	09-MAY-2010	23:43:09;	Dark	; 42.5;	141;	Bet Ara	; 2.84;	4600;occ;	85;	0;	42827
5;	850.1;	09-MAY-2010	23:45:28;	Dark	; 47.5;	40;	The Sco	; 1.86;	7100;occ;	95;	0;	42827
6;	961.3;	09-MAY-2010	23:47:19;	Dark	; 60.0;	25;	35Lam Sco	; 1.62;	28000;occ;	120;	0;	42827
7;	1119.5;	09-MAY-2010	23:49:58;	Dark	; 56.0;	75;	26Eps Sco	; 2.29;	4250;occ;	112;	0;	42827
8;	1319.9;	09-MAY-2010	23:53:18;	Dark	; 71.0;	16;	21Alp Sco	; 1.02;	3000;occ;	142;	0;	42827



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 12; 2221.2; 10-MAY-2010 00:08:19; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42827  
 13; 2403.9; 10-MAY-2010 00:11:22; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42827  
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 15; 2749.6; 10-MAY-2010 00:17:08; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42827  
 16; 3136.9; 10-MAY-2010 00:23:35; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42827  
 17; 3785.4; 10-MAY-2010 00:34:24; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42827  
 18; 3964.8; 10-MAY-2010 00:37:23; Bright; 34.0; 74; 11Bet Cas ; 2.27; 6600;occ; 68; 0;42827  
 19; 4560.2; 10-MAY-2010 00:47:18; Dark ; 53.5; 93; 53Bet Peg ; 2.52; 3100;occ; 107; 0;42827  
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 3; -1477.8; 09-MAY-2010 06:20:41; Dark ; 59.5; 93; 53Bet Peg ; 2.52; 3100;occ; 119; 0;42816  
 4; -1220.6; 09-MAY-2010 06:24:58; Dark ; 49.5; 90; 54Alp Peg ; 2.49; 11000;occ; 99; 0;42816  
 5; -428.3; 09-MAY-2010 06:38:11; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;42816  
 6; -288.8; 09-MAY-2010 06:40:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42816  
 7; -77.3; 09-MAY-2010 06:44:02; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;42816  
 8; 257.7; 09-MAY-2010 06:49:37; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42817  
 9; 705.4; 09-MAY-2010 06:57:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42817  
 10; 842.3; 09-MAY-2010 06:59:21; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42817  
 11; 953.1; 09-MAY-2010 07:01:12; Dark ; 56.0; 25; 35Lam Sco ; 1.62; 28000;occ; 112; 0;42817  
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 13; 1316.6; 09-MAY-2010 07:07:15; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;42817  
 14; 1431.9; 09-MAY-2010 07:09:11; Dark ; 53.0; 80; 7Del Sco ; 2.32; 30000;occ; 106; 0;42817  
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 3; 2407.2; 09-MAY-2010 07:25:26; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42817  
 4; 2592.9; 09-MAY-2010 07:28:32; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42817  
 5; 2751.1; 09-MAY-2010 07:31:10; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;42817  
 6; 3142.2; 09-MAY-2010 07:37:41; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42817  
 7; 3789.1; 09-MAY-2010 07:48:28; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42817  
 8; 3965.0; 09-MAY-2010 07:51:24; Bright; 53.0; 74; 11Bet Cas ; 2.27; 6600;occ; 106; 0;42817  
 9; 4558.5; 09-MAY-2010 08:01:17; Dark ; 56.5; 93; 53Bet Peg ; 2.52; 3100;occ; 113; 0;42817  
 10; 4815.8; 09-MAY-2010 08:05:35; Dark ; 50.0; 90; 54Alp Peg ; 2.49; 11000;occ; 100; 0;42817  
 11; 5608.3; 09-MAY-2010 08:18:47; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;42817  
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 14; 6294.5; 09-MAY-2010 08:30:13; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42818  
 15; 6742.0; 09-MAY-2010 08:37:41; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;42818  
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 17; 6990.2; 09-MAY-2010 08:41:49; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42818  
 18; 7150.7; 09-MAY-2010 08:44:30; Dark ; 53.5; 75; 26Eps Sco ; 2.29; 4250;occ; 107; 0;42818  
 19; 7352.6; 09-MAY-2010 08:47:52; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;42818  
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 21; 7639.6; 09-MAY-2010 08:52:39; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42818  
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 3; 2406.9; 09-MAY-2010 09:06:02; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42818  
 4; 2592.7; 09-MAY-2010 09:09:08; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42818  
 5; 2750.8; 09-MAY-2010 09:11:46; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;42818  
 6; 3141.8; 09-MAY-2010 09:18:17; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42818  
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 8; 3965.4; 09-MAY-2010 09:32:00; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;42818  
 9; 4558.5; 09-MAY-2010 09:41:53; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42818  
 10; 4816.2; 09-MAY-2010 09:46:11; Dark ; 51.0; 90; 54Alp Peg ; 2.49; 11000;occ; 102; 0;42818  
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 14; 6294.9; 09-MAY-2010 10:10:50; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42819

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16; 6879.9; 09-MAY-2010 10:20:35; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42819
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19; 7352.7; 09-MAY-2010 10:28:28; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;42819
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 5; 2750.8; 09-MAY-2010 10:52:22; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;42819
 6; 3141.2; 09-MAY-2010 10:58:52; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42819
 7; 3788.3; 09-MAY-2010 11:09:39; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42819
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10; 4816.6; 09-MAY-2010 11:26:47; Dark ; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;42819
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12; 5749.3; 09-MAY-2010 11:42:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42819
13; 5960.6; 09-MAY-2010 11:45:51; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;42819
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17; 6991.7; 09-MAY-2010 12:03:02; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;42820
18; 7151.3; 09-MAY-2010 12:05:42; Dark ; 58.0; 75; 26Eps Sco ; 2.29; 4250;occ; 116; 0;42820
19; 7353.2; 09-MAY-2010 12:09:04; Dark ; 59.5; 16; 21Alp Sco ; 1.02; 3000;occ; 119; 0;42820
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 5; 2592.1; 09-MAY-2010 12:30:19; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;42820
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16; 6743.4; 09-MAY-2010 13:39:30; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42821
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18; 6992.5; 09-MAY-2010 13:43:39; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42821
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19; 6299.2; 09-MAY-2010 20:14:30; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42825

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7;	3133.5;	10-MAY-2010	10:27:07;	Bright;	44.5;	119;	14Eta Dra	;	2.73;	4700;occ;	89;	0;	42833	
8;	3783.3;	10-MAY-2010	10:37:57;	Bright;	44.0;	89;	5Alp Cep	;	2.45;	8000;occ;	88;	0;	42833	
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 6; 900.2; 14-MAY-2010 22:48:49; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42898
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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  
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12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912  
13; 2048.0; 15-MAY-2010 22:36:20; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42912  
14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912  
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16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912  
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16; 6796.8; 16-MAY-2010 13:20:16; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;42921
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19; 7202.7; 16-MAY-2010 13:27:02; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;42921
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4; 1855.3; 16-MAY-2010 16:59:43; Bright; 49.5; 120; 1Del Oph ; 2.73; 3200;occ; 99; 0;42923
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6; 2381.4; 16-MAY-2010 17:08:29; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42923
7; 2569.6; 16-MAY-2010 17:11:37; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42923

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 9; 2381.0; 16-MAY-2010 18:49:04; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42924  
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 12; 3744.9; 16-MAY-2010 19:11:48; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42924  
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 17; 5687.2; 16-MAY-2010 19:44:11; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;42924  
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 11; 3092.7; 16-MAY-2010 02:14:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;42914  
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16; 3060.7; 21-MAY-2010 02:57:31; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42986
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5; 3059.6; 21-MAY-2010 07:59:18; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;42989
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7; 3937.4; 21-MAY-2010 08:13:56; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;42989
8; 4010.2; 21-MAY-2010 08:15:09; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;42989
9; 4526.9; 21-MAY-2010 08:23:45; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;42989
10; 4787.8; 21-MAY-2010 08:28:06; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42989

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 19; 7232.4; 21-MAY-2010 09:08:51; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;42990  
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 8; 3937.4; 21-MAY-2010 09:54:32; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;42990  
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17; 3055.2; 22-MAY-2010 02:25:49; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43000
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 7; 386.8; 22-MAY-2010 03:21:56; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43001
 8; 799.5; 22-MAY-2010 03:28:49; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;43001
 9; 963.4; 22-MAY-2010 03:31:33; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43001
10; 1074.9; 22-MAY-2010 03:33:24; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43001
11; 1200.7; 22-MAY-2010 03:35:30; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43001
12; 1374.9; 22-MAY-2010 03:38:24; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;43001
13; 1521.2; 22-MAY-2010 03:40:51; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43001
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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19; 3054.8; 22-MAY-2010 04:06:24; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43001
20; 3174.3; 22-MAY-2010 04:08:24; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;43001

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 4; -1244.8; 22-MAY-2010 04:35:21; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43001  
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 8; 799.9; 22-MAY-2010 05:09:25; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;43002  
 9; 964.3; 22-MAY-2010 05:12:10; Dark ; 56.0; 40; The Sco ; 1.86; 7100;occ; 112; 0;43002  
 10; 1075.3; 22-MAY-2010 05:14:01; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43002  
 11; 1201.3; 22-MAY-2010 05:16:07; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43002  
 12; 1375.2; 22-MAY-2010 05:19:01; Dark ; 52.5; 16; 21Alp Sco ; 1.02; 3000;occ; 105; 0;43002  
 13; 1521.1; 22-MAY-2010 05:21:27; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43002  
 14; 1732.4; 22-MAY-2010 05:24:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43002  
 15; 1842.7; 22-MAY-2010 05:26:48; Bright; 46.0; 120; 1Del Oph ; 2.73; 3200;occ; 92; 0;43002  
 16; 2028.2; 22-MAY-2010 05:29:54; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;43002  
 17; 2371.5; 22-MAY-2010 05:35:37; Bright; 53.0; 83; ; 2.38; 11000;occ; 106; 0;43002  
 18; 2560.9; 22-MAY-2010 05:38:46; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43002  
 19; 3054.1; 22-MAY-2010 05:47:00; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43002  
 20; 3174.2; 22-MAY-2010 05:49:00; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43002

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 4; 1377.8; 22-MAY-2010 20:24:27; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;43011  
 5; 1522.8; 22-MAY-2010 20:26:52; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43011  
 6; 1733.4; 22-MAY-2010 20:30:22; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43011  
 7; 1841.6; 22-MAY-2010 20:32:11; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43011  
 8; 2026.5; 22-MAY-2010 20:35:15; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43011  
 9; 2370.8; 22-MAY-2010 20:41:00; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43011  
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 11; 3050.8; 22-MAY-2010 20:52:20; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;43011  
 12; 3173.5; 22-MAY-2010 20:54:22; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43011  
 13; 3936.8; 22-MAY-2010 21:07:06; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;43011  
 14; 4009.5; 22-MAY-2010 21:08:18; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;43011  
 15; 4530.4; 22-MAY-2010 21:16:59; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;43011  
 16; 4794.9; 22-MAY-2010 21:21:24; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43011

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 3; -1506.8; 22-MAY-2010 06:11:35; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43002  
 4; -1244.3; 22-MAY-2010 06:15:57; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43002  
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 6; -125.1; 22-MAY-2010 06:34:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43002  
 7; -35.8; 22-MAY-2010 06:36:06; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43002  
 8; 62.6; 22-MAY-2010 06:37:44; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43003  
 9; 388.1; 22-MAY-2010 06:43:10; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43003  
 10; 800.2; 22-MAY-2010 06:50:02; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43003  
 11; 964.6; 22-MAY-2010 06:52:46; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43003  
 12; 1075.8; 22-MAY-2010 06:54:37; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;43003  
 13; 1201.5; 22-MAY-2010 06:56:43; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43003  
 14; 1375.4; 22-MAY-2010 06:59:37; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;43003  
 15; 1521.3; 22-MAY-2010 07:02:03; Bright; 42.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 85; 0;43003  
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 2; 1842.7; 22-MAY-2010 07:07:24; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43003  
 3; 2027.8; 22-MAY-2010 07:10:29; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;43003  
 4; 2371.3; 22-MAY-2010 07:16:13; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43003  
 5; 2561.0; 22-MAY-2010 07:19:23; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43003  
 6; 3053.9; 22-MAY-2010 07:27:35; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43003  
 7; 3173.9; 22-MAY-2010 07:29:35; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;43003  
 8; 3937.2; 22-MAY-2010 07:42:19; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43003  
 9; 4009.7; 22-MAY-2010 07:43:31; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;43003  
 10; 4529.3; 22-MAY-2010 07:52:11; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43003  
 11; 4791.9; 22-MAY-2010 07:56:33; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43003  
 12; 5757.5; 22-MAY-2010 08:12:39; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;43003

13; 5911.9; 22-MAY-2010 08:15:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43003  
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 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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 23; 7769.1; 22-MAY-2010 08:46:11; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43004

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 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  
 8; 3937.2; 22-MAY-2010 09:22:55; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;43004  
 9; 4009.7; 22-MAY-2010 09:24:07; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43004  
 10; 4529.3; 22-MAY-2010 09:32:47; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43004  
 11; 4792.5; 22-MAY-2010 09:37:10; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43004  
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 14; 6002.5; 22-MAY-2010 11:37:56; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43005  
 15; 6086.7; 22-MAY-2010 11:39:20; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43006  
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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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 9; 1381.6; 23-MAY-2010 23:14:05; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;43027  
 10; 1525.4; 23-MAY-2010 23:16:29; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43027  
 11; 1734.5; 23-MAY-2010 23:19:58; Bright; 19.0; 104; 27Bet Lib ; 2.61; 13100;occ; 38; 0;43027  
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 14; 2370.0; 23-MAY-2010 23:30:34; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;43027  
 15; 3044.4; 23-MAY-2010 23:41:48; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43027  
 16; 3171.9; 23-MAY-2010 23:43:56; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43027  
 17; 3936.3; 23-MAY-2010 23:56:40; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43027  
 18; 4008.5; 23-MAY-2010 23:57:52; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43027  
 19; 4381.2; 24-MAY-2010 00:04:05; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;43027  
 20; 4533.5; 24-MAY-2010 00:06:37; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43027  
 21; 4800.9; 24-MAY-2010 00:11:05; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43027

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 3; 83.9; 24-MAY-2010 00:33:03; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;43028  
 4; 405.9; 24-MAY-2010 00:38:25; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43028  
 5; 811.6; 24-MAY-2010 00:45:11; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43028  
 6; 978.6; 24-MAY-2010 00:47:58; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;43028  
 7; 1089.1; 24-MAY-2010 00:49:49; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43028  
 8; 1211.2; 24-MAY-2010 00:51:51; Dark ; 53.5; 75; 26Eps Sco ; 2.29; 4250;occ; 107; 0;43028  
 9; 1381.7; 24-MAY-2010 00:54:41; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;43028  
 10; 1525.5; 24-MAY-2010 00:57:05; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43028  
 11; 1734.4; 24-MAY-2010 01:00:34; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43028  
 12; 1839.7; 24-MAY-2010 01:02:19; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43028  
 13; 2024.2; 24-MAY-2010 01:05:24; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43028  
 14; 2369.9; 24-MAY-2010 01:11:09; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43028  
 15; 3043.9; 24-MAY-2010 01:22:23; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43028  
 16; 3171.7; 24-MAY-2010 01:24:31; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;43028  
 17; 3936.5; 24-MAY-2010 01:37:16; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;43028  
 18; 4008.4; 24-MAY-2010 01:38:28; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43028  
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 20; 4533.3; 24-MAY-2010 01:47:13; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43028  
 21; 4801.2; 24-MAY-2010 01:51:41; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43028

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 3; -98.3; 24-MAY-2010 02:10:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43028  
 4; 84.8; 24-MAY-2010 02:13:40; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43029  
 5; 406.7; 24-MAY-2010 02:19:02; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43029  
 6; 812.0; 24-MAY-2010 02:25:47; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43029  
 7; 979.2; 24-MAY-2010 02:28:35; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43029  
 8; 1089.7; 24-MAY-2010 02:30:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43029  
 9; 1211.3; 24-MAY-2010 02:32:27; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;43029  
 10; 1382.2; 24-MAY-2010 02:35:18; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43029  
 11; 1525.7; 24-MAY-2010 02:37:41; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43029  
 12; 1734.4; 24-MAY-2010 02:41:10; Bright; 15.0; 104; 27Bet Lib ; 2.61; 13100;occ; 30; 0;43029  
 13; 1839.7; 24-MAY-2010 02:42:55; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43029  
 14; 2023.9; 24-MAY-2010 02:45:59; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43029  
 15; 2369.7; 24-MAY-2010 02:51:45; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43029  
 16; 3043.3; 24-MAY-2010 03:02:59; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43029  
 17; 3171.8; 24-MAY-2010 03:05:07; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43029

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 2; -2027.6; 24-MAY-2010 03:19:04; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43029  
 3; -1654.9; 24-MAY-2010 03:25:16; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43029  
 4; -1502.3; 24-MAY-2010 03:27:49; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43029  
 5; -1234.2; 24-MAY-2010 03:32:17; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43029

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7; -252.9; 24-MAY-2010 03:48:38; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;43029
8; -97.3; 24-MAY-2010 03:51:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43029
9; 85.7; 24-MAY-2010 03:54:17; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43030
10; 407.6; 24-MAY-2010 03:59:39; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43030
11; 812.5; 24-MAY-2010 04:06:24; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;43030
12; 979.7; 24-MAY-2010 04:09:11; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43030
13; 1090.3; 24-MAY-2010 04:11:02; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43030
14; 1211.5; 24-MAY-2010 04:13:03; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43030
15; 1382.7; 24-MAY-2010 04:15:54; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;43030
16; 1476.5; 24-MAY-2010 04:17:28; Bright; 44.0; 80; 7Del Sco ; 2.32; 30000;occ; 88; 0;43030
17; 1734.8; 24-MAY-2010 04:21:46; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43030
18; 1839.5; 24-MAY-2010 04:23:31; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;43030
19; 2023.8; 24-MAY-2010 04:26:35; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43030
20; 2369.8; 24-MAY-2010 04:32:21; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;43030
21; 3043.0; 24-MAY-2010 04:43:34; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43030
22; 3171.9; 24-MAY-2010 04:45:43; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;43030
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2; -2027.5; 24-MAY-2010 04:59:40; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;43030
3; -1654.4; 24-MAY-2010 05:05:53; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43030
4; -1502.0; 24-MAY-2010 05:08:25; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43030
5; -1234.0; 24-MAY-2010 05:12:53; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43030
6; -704.2; 24-MAY-2010 05:21:43; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43030
7; -252.0; 24-MAY-2010 05:29:15; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;43030
8; -96.2; 24-MAY-2010 05:31:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43030
9; 86.6; 24-MAY-2010 05:34:54; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43031
10; 408.1; 24-MAY-2010 05:40:15; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43031
11; 812.9; 24-MAY-2010 05:47:00; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43031
12; 980.1; 24-MAY-2010 05:49:48; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43031
13; 1090.6; 24-MAY-2010 05:51:38; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43031
14; 1212.0; 24-MAY-2010 05:53:39; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;43031
15; 1382.7; 24-MAY-2010 05:56:30; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43031
16; 1476.9; 24-MAY-2010 05:58:04; Bright; 47.5; 80; 7Del Sco ; 2.32; 30000;occ; 95; 0;43031
17; 1735.0; 24-MAY-2010 06:02:22; Bright; 35.0; 104; 27Bet Lib ; 2.61; 13100;occ; 70; 0;43031
18; 1839.7; 24-MAY-2010 06:04:07; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43031
19; 2023.9; 24-MAY-2010 06:07:11; Bright; 41.5; 102; 24Alp Ser ; 2.60; 4250;occ; 83; 0;43031
20; 2369.6; 24-MAY-2010 06:12:57; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43031
21; 3042.9; 24-MAY-2010 06:24:10; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43031
22; 3171.8; 24-MAY-2010 06:26:19; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43031
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3; 1215.2; 24-MAY-2010 20:59:06; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43040
4; 1385.0; 24-MAY-2010 21:01:56; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43040
5; 1527.3; 24-MAY-2010 21:04:18; Bright; 47.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 94; 0;43040
6; 1735.4; 24-MAY-2010 21:07:46; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;43040
7; 1838.8; 24-MAY-2010 21:09:30; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;43040
8; 2022.4; 24-MAY-2010 21:12:33; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43040
9; 2369.2; 24-MAY-2010 21:18:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43040
10; 3039.5; 24-MAY-2010 21:29:30; Bright; 58.0; 119; 14Eta Dra ; 2.73; 4700;occ; 116; 0;43040
11; 3170.9; 24-MAY-2010 21:31:42; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;43040
12; 3935.8; 24-MAY-2010 21:44:27; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43040
13; 4007.6; 24-MAY-2010 21:45:38; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43040
14; 4382.6; 24-MAY-2010 21:51:53; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43040
15; 4535.6; 24-MAY-2010 21:54:26; Dark ; 51.0; 58; 21Alp And ; 2.07; 11000;occ; 102; 0;43040
16; 4805.9; 24-MAY-2010 21:58:57; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 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
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6; 817.2; 24-MAY-2010 22:33:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43041
7; 985.5; 24-MAY-2010 22:35:52; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43041
8; 1095.8; 24-MAY-2010 22:37:42; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;43041
9; 1215.7; 24-MAY-2010 22:39:42; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43041
10; 1385.1; 24-MAY-2010 22:42:32; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;43041

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13; 1838.7; 24-MAY-2010 22:50:05; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;43041
14; 2022.4; 24-MAY-2010 22:53:09; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43041
15; 2369.2; 24-MAY-2010 22:58:56; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43041
16; 3039.0; 24-MAY-2010 23:10:06; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43041
17; 3171.0; 24-MAY-2010 23:12:18; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43041
18; 3936.1; 24-MAY-2010 23:25:03; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43041
19; 4007.8; 24-MAY-2010 23:26:14; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;43041
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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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19; 4007.7; 25-MAY-2010 01:06:50; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43042
20; 4382.8; 25-MAY-2010 01:13:05; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43042
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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 3; -1654.3; 24-MAY-2010 06:46:29; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43031
 4; -1502.0; 24-MAY-2010 06:49:01; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43031
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 6; -703.9; 24-MAY-2010 07:02:19; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 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
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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
15; 1383.0; 24-MAY-2010 07:37:06; Dark ; 59.5; 16; 21Alp Sco ; 1.02; 3000;occ; 119; 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
 4; 2369.5; 24-MAY-2010 07:53:33; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43032
 5; 3042.5; 24-MAY-2010 08:04:46; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;43032
 6; 3171.6; 24-MAY-2010 08:06:55; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;43032
 7; 3936.7; 24-MAY-2010 08:19:40; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;43032
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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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19; 7017.2; 24-MAY-2010 09:11:01; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43033
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 4; 2369.6; 24-MAY-2010 09:34:09; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43033
 5; 3042.1; 24-MAY-2010 09:45:21; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43033
 6; 3171.5; 24-MAY-2010 09:47:31; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43033
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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
22; 7419.6; 24-MAY-2010 10:58:19; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;43034
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 9; 4382.1; 24-MAY-2010 11:48:17; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;43034
10; 4534.6; 24-MAY-2010 11:50:50; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43034
11; 4803.4; 24-MAY-2010 11:55:18; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43034
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13; 5871.3; 24-MAY-2010 12:13:06; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43034
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15; 6125.8; 24-MAY-2010 12:17:21; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43035
16; 6447.0; 24-MAY-2010 12:22:42; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43035
17; 6850.8; 24-MAY-2010 12:29:26; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43035
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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
20; 7249.3; 24-MAY-2010 12:36:04; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43035
21; 7419.9; 24-MAY-2010 12:38:55; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43035
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 3; 2023.0; 24-MAY-2010 12:49:34; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43035
 4; 2369.4; 24-MAY-2010 12:55:20; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43035
 5; 3171.3; 24-MAY-2010 13:08:42; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43035
 6; 3936.2; 24-MAY-2010 13:21:27; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43035
 7; 4007.9; 24-MAY-2010 13:22:39; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43035
 8; 4382.0; 24-MAY-2010 13:28:53; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43035
 9; 4534.8; 24-MAY-2010 13:31:26; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43035
10; 4803.7; 24-MAY-2010 13:35:55; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43035

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 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035  
 14; 6126.7; 24-MAY-2010 13:57:58; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43036  
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 5; 2369.5; 24-MAY-2010 14:35:56; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43036  
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 7; 3171.4; 24-MAY-2010 14:49:18; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43036  
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 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037  
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2; 1838.2; 25-MAY-2010 12:14:52; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43049
3; 2021.5; 25-MAY-2010 12:17:55; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43049
4; 2369.0; 25-MAY-2010 12:23:43; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43049
5; 3036.3; 25-MAY-2010 12:34:50; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43049
6; 3170.4; 25-MAY-2010 12:37:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43049
7; 3935.7; 25-MAY-2010 12:49:50; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;43049
8; 4007.2; 25-MAY-2010 12:51:01; Bright; 40.0; 68; 18Alp Cas ; 2.22; 4500;occ; 80; 0;43049
9; 4383.6; 25-MAY-2010 12:57:18; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43049
10; 4537.2; 25-MAY-2010 12:59:51; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43049
11; 4809.1; 25-MAY-2010 13:04:23; Dark ; 49.0; 140; 88Gam Peg ; 2.83; 26000;occ; 98; 0;43049
12; 5340.2; 25-MAY-2010 13:13:14; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43049
13; 5866.1; 25-MAY-2010 13:22:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43049
14; 6035.3; 25-MAY-2010 13:24:49; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43049
15; 6138.8; 25-MAY-2010 13:26:33; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43050
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
20; 7255.1; 25-MAY-2010 13:45:09; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43050
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3; 1838.0; 25-MAY-2010 13:55:28; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43050
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
7; 3170.3; 25-MAY-2010 14:17:40; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;43050
8; 3935.9; 25-MAY-2010 14:30:26; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;43050
9; 4007.5; 25-MAY-2010 14:31:37; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43050
10; 4384.0; 25-MAY-2010 14:37:54; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43050
11; 4537.5; 25-MAY-2010 14:40:27; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43050
12; 4810.0; 25-MAY-2010 14:45:00; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;43050
13; 5340.6; 25-MAY-2010 14:53:50; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;43050
14; 5866.8; 25-MAY-2010 15:02:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43050
15; 6139.9; 25-MAY-2010 15:07:10; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43051
16; 6458.4; 25-MAY-2010 15:12:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43051
17; 6857.5; 25-MAY-2010 15:19:07; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43051
18; 7026.5; 25-MAY-2010 15:21:56; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;43051
19; 7136.8; 25-MAY-2010 15:23:47; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43051
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 3; 1736.6; 25-MAY-2010 15:34:22; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43051  
 4; 1838.0; 25-MAY-2010 15:36:04; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43051  
 5; 2021.4; 25-MAY-2010 15:39:07; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43051  
 6; 2368.9; 25-MAY-2010 15:44:55; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43051  
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 9; 3935.8; 25-MAY-2010 16:11:02; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43051  
 10; 4007.4; 25-MAY-2010 16:12:13; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43051  
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 13; 4810.2; 25-MAY-2010 16:25:36; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43051  
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 15; 5867.4; 25-MAY-2010 16:43:13; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43051  
 16; 6141.0; 25-MAY-2010 16:47:47; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43052  
 17; 6459.0; 25-MAY-2010 16:53:05; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43052  
 18; 6858.2; 25-MAY-2010 16:59:44; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;43052  
 19; 7027.3; 25-MAY-2010 17:02:33; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43052  
 20; 7137.3; 25-MAY-2010 17:04:23; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;43052  
 21; 7255.7; 25-MAY-2010 17:06:21; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43052

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 3; 1102.5; 25-MAY-2010 20:25:36; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;43054  
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 5; 1388.7; 25-MAY-2010 20:30:22; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;43054  
 6; 1529.5; 25-MAY-2010 20:32:43; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43054  
 7; 1737.0; 25-MAY-2010 20:36:11; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43054  
 8; 1837.8; 25-MAY-2010 20:37:51; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43054  
 9; 2020.5; 25-MAY-2010 20:40:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43054  
 10; 2385.0; 25-MAY-2010 20:46:59; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43054  
 11; 3034.5; 25-MAY-2010 20:57:48; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43054  
 12; 3170.1; 25-MAY-2010 21:00:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43054  
 13; 3935.7; 25-MAY-2010 21:12:49; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43054  
 14; 4006.8; 25-MAY-2010 21:14:00; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43054  
 15; 4384.2; 25-MAY-2010 21:20:18; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43054  
 16; 4538.4; 25-MAY-2010 21:22:52; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43054  
 17; 4811.4; 25-MAY-2010 21:27:25; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43054

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 3; 1529.3; 25-MAY-2010 17:11:31; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43052  
 4; 1736.8; 25-MAY-2010 17:14:59; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43052  
 5; 1838.1; 25-MAY-2010 17:16:40; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43052  
 6; 2021.4; 25-MAY-2010 17:19:43; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43052  
 7; 2385.8; 25-MAY-2010 17:25:48; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43052  
 8; 3035.4; 25-MAY-2010 17:36:37; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43052  
 9; 3170.3; 25-MAY-2010 17:38:52; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43052  
 10; 3935.4; 25-MAY-2010 17:51:37; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43052  
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 12; 4384.2; 25-MAY-2010 17:59:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43052  
 13; 4537.9; 25-MAY-2010 18:01:40; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43052  
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 15; 5342.1; 25-MAY-2010 18:15:04; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43052  
 16; 5868.0; 25-MAY-2010 18:23:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43052  
 17; 6038.0; 25-MAY-2010 18:26:40; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43052  
 18; 6141.8; 25-MAY-2010 18:28:24; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43053  
 19; 6459.8; 25-MAY-2010 18:33:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43053  
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 3; 1220.3; 25-MAY-2010 18:46:58; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43053  
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 6; 1737.1; 25-MAY-2010 18:55:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43053



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8; 2020.8; 25-MAY-2010 19:00:19; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43053
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10; 3034.8; 25-MAY-2010 19:17:13; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43053
11; 3170.1; 25-MAY-2010 19:19:28; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;43053
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
14; 4384.7; 25-MAY-2010 19:39:42; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43053
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17; 5342.1; 25-MAY-2010 19:55:40; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43053
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3; 4.9; 26-MAY-2010 01:09:06; Dark ; 43.5; 63; Bet Gru ; 2.15; 2800;occ; 87; 0;43056
4; 109.2; 26-MAY-2010 01:10:50; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43057
5; 426.4; 26-MAY-2010 01:16:08; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43057
6; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057
7; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057
8; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057
9; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057
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12; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057
13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
14; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
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17; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057
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19; 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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24; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
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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
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31; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
32; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
33; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
34; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
35; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
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6; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057
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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
10; 2384.3; 26-MAY-2010 01:48:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;43057
11; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
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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 22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058  
 23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058  
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 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  
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 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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 6;-1497.0; 26-MAY-2010 04:05:16; Dark ; 52.5; 58; 21Alp And ; 2.07; 11000;occ; 105; 0;43058  
 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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 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  
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 17; 1350.7; 26-MAY-2010 04:52:44; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;43059  
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 19; 1737.3; 26-MAY-2010 04:59:11; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 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  
 23; 3169.7; 26-MAY-2010 05:23:03; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43059

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 4;-1496.7; 26-MAY-2010 05:45:52; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43059  
 5;-1222.6; 26-MAY-2010 05:50:27; Dark ; 49.0; 140; 88Gam Peg ; 2.83; 26000;occ; 98; 0;43059  
 6; -690.9; 26-MAY-2010 05:59:18; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;43059  
 7; -164.0; 26-MAY-2010 06:08:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43059  
 8; 7.2; 26-MAY-2010 06:10:56; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43059  
 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060  
 10; 428.5; 26-MAY-2010 06:17:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43060  
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 13; 1105.3; 26-MAY-2010 06:29:15; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43060  
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 17; 1737.3; 26-MAY-2010 06:39:46; Bright; 9.0; 104; 27Bet Lib ; 2.61; 13100;occ; 18; 0;43060  
 18; 2020.4; 26-MAY-2010 06:44:30; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43060  
 19; 2383.6; 26-MAY-2010 06:50:33; Bright; 57.0; 67; 5Alp CrB ; 2.22; 11000;occ; 114; 0;43060  
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8; 7.9; 26-MAY-2010 07:51:33; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;43060
9; 112.6; 26-MAY-2010 07:53:18; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43061
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3; 2383.4; 26-MAY-2010 08:31:08; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43061
4; 3031.8; 26-MAY-2010 08:41:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43061
5; 3169.2; 26-MAY-2010 08:44:14; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;43061
6; 3935.0; 26-MAY-2010 08:57:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43061
7; 4006.9; 26-MAY-2010 08:58:12; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;43061
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9; 4539.4; 26-MAY-2010 09:07:05; Dark ; 51.0; 58; 21Alp And ; 2.07; 11000;occ; 102; 0;43061
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19; 7259.2; 26-MAY-2010 09:52:24; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;43062
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13; 6045.4; 26-MAY-2010 11:12:46; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43063
14; 6150.3; 26-MAY-2010 11:14:31; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43063
15; 6466.5; 26-MAY-2010 11:19:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43063
16; 6862.5; 26-MAY-2010 11:26:24; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43063
17; 7032.5; 26-MAY-2010 11:29:14; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;43063
18; 7142.7; 26-MAY-2010 11:31:04; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43063
19; 7259.5; 26-MAY-2010 11:33:01; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43063
20; 7387.4; 26-MAY-2010 11:35:08; Dark ; 43.5; 136; 23Tau Sco ; 2.82; 30000;occ; 87; 0;43063
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9; 4540.3; 26-MAY-2010 12:28:17; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43063
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23; 6968.2; 31-MAY-2010 18:53:40; Dark ; 42.0; 147; Alp Ara ; 2.88; 26000;occ; 84; 0;43139
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