

# GOMOS Daily Report 02-MAY-2010

## Level 0 and Level 1 products

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

Item	Value
Time of report generation	05MAY2010 04:53:04
Data source version	GOMOS/5.00L04
Start time of products	02MAY2010 00:02:03
Stop time of products	02MAY2010 23:47:45
Store outputs in DB	Yes
Nb of level 1b prods	110
Nb of prods with errors	1

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

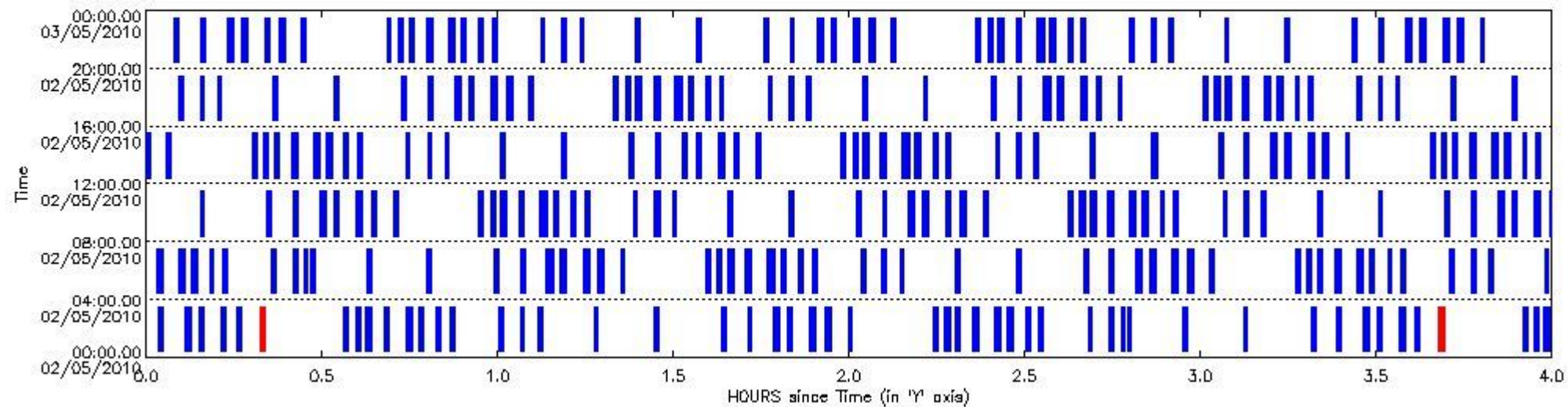
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
02-MAY-2010 00:19:20	GamGru	172	42712
02-MAY-2010 03:40:34	GamGru	172	42714

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

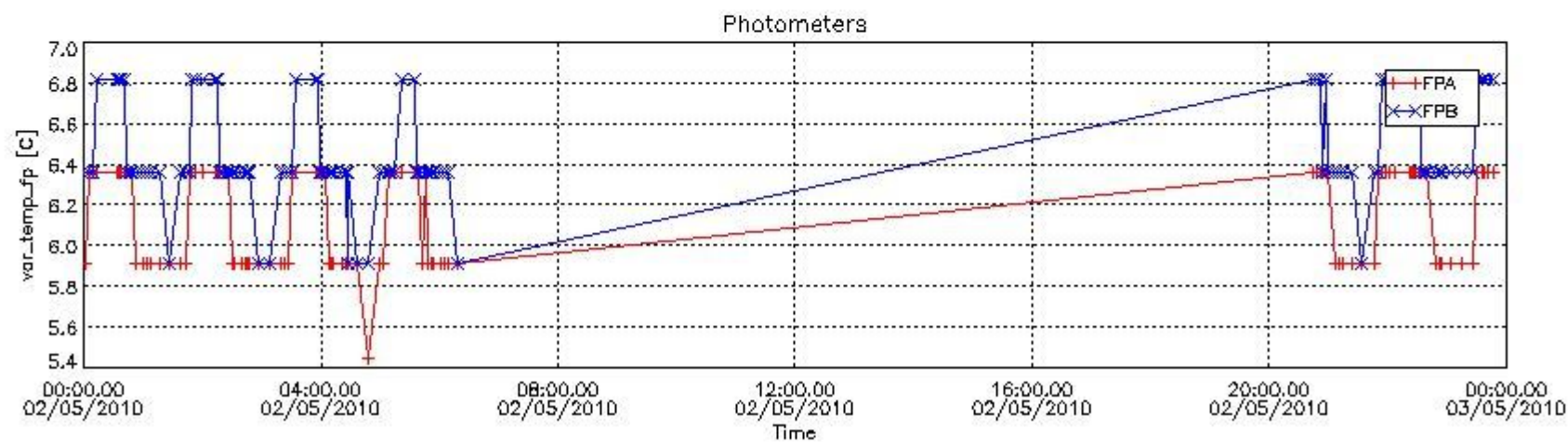
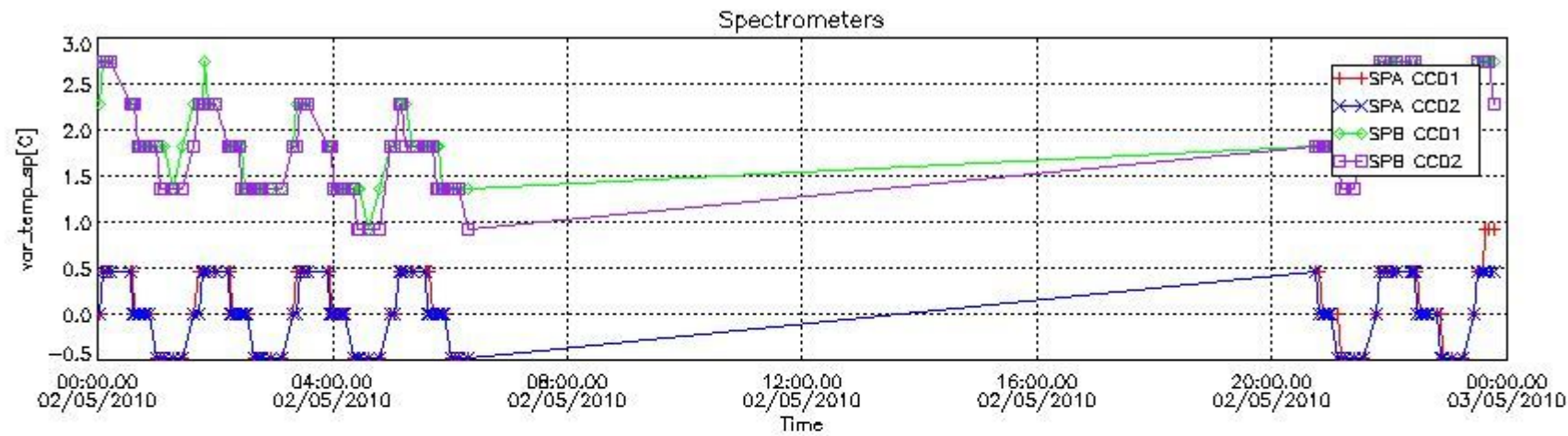
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100502_000203_000000452089_00073_42712_8074.N1	02-MAY-2010 00:02:03	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	42712	No
2	GOM_TRA_1PNPDE20100502_000627_000000702089_00073_42712_8075.N1	02-MAY-2010 00:06:27	Dark	69.500	61	8Eps Peg	2.1000	3900.0	139	42712	No
3	GOM_TRA_1PNPDE20100502_000853_000000562089_00073_42712_8076.N1	02-MAY-2010 00:08:53	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	42712	No
4	GOM_TRA_1PNPDE20100502_001241_000000602089_00073_42712_8078.N1	02-MAY-2010 00:12:41	Dark	59.500	154	22Bet Aqr	2.8990	5700.0	119	42712	No
5	GOM_TRA_1PNPDE20100502_003345_000000432089_00074_42713_8079.N1	02-MAY-2010 00:33:45	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	42713	No
6	GOM_TRA_1PNPDE20100502_003540_000000572089_00074_42713_8080.N1	02-MAY-2010 00:35:40	Straylight	56.500	40	The Sco	1.8590	7100.0	113	42713	No
7	GOM_TRA_1PNPDE20100502_003726_000000592089_00074_42713_8081.N1	02-MAY-2010 00:37:26	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	42713	No
8	GOM_TRA_1PNPDE20100502_004030_000000592089_00074_42713_8082.N1	02-MAY-2010 00:40:30	Straylight	59.000	75	26Eps Sco	2.2910	4250.0	118	42713	No
9	GOM_TRA_1PNPDE20100502_004413_000000692089_00074_42713_8083.N1	02-MAY-2010 00:44:13	Twilight_and_stray	68.500	16	21Alp Sco	1.0200	3000.0	137	42713	No

10	GOM_TRA_1PNPDE20100502_004626_000000592089_00074_42713_8084.N1	02-MAY-2010 00:46:26	Twilight	58.500	80	7Del Sco	2.3160	30000.	117	42713	No
11	GOM_TRA_1PNPDE20100502_004933_000000462089_00074_42713_8085.N1	02-MAY-2010 00:49:33	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	42713	No
12	GOM_TRA_1PNPDE20100502_005149_000000482089_00074_42713_8086.N1	02-MAY-2010 00:51:49	Bright	48.000	104	27Bet Lib	2.6140	13100.	96	42713	No
13	GOM_TRA_1PNPDE20100502_010013_000000392089_00074_42713_8087.N1	02-MAY-2010 01:00:13	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	42713	No
14	GOM_TRA_1PNPDE20100502_010351_000000442089_00074_42713_8088.N1	02-MAY-2010 01:03:51	Bright	43.500	83		2.3780	11000.	87	42713	No
15	GOM_TRA_1PNPDE20100502_010652_000000412089_00074_42713_8089.N1	02-MAY-2010 01:06:52	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42713	No
16	GOM_TRA_1PNPDE20100502_011625_000000462089_00074_42713_8090.N1	02-MAY-2010 01:16:25	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	42713	No
17	GOM_TRA_1PNPDE20100502_012646_000000432089_00074_42713_8091.N1	02-MAY-2010 01:26:46	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	42713	No
18	GOM_TRA_1PNPDE20100502_013812_000000432089_00074_42713_8092.N1	02-MAY-2010 01:38:12	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	42713	No
19	GOM_TRA_1PNPDE20100502_014240_000000452089_00074_42713_8093.N1	02-MAY-2010 01:42:40	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	42713	No
20	GOM_TRA_1PNPDE20100502_014704_000000652089_00074_42713_8094.N1	02-MAY-2010 01:47:04	Dark	65.000	61	8Eps Peg	2.1000	3900.0	130	42713	No
21	GOM_TRA_1PNPDE20100502_014930_000000542089_00074_42713_8102.N1	02-MAY-2010 01:49:30	Dark	53.500	162	34Alp Aqr	2.9440	5350.0	107	42713	No
22	GOM_TRA_1PNPDE20100502_015318_000000632089_00074_42713_8103.N1	02-MAY-2010 01:53:18	Dark	62.500	154	22Bet Aqr	2.8990	5700.0	125	42713	No
23	GOM_TRA_1PNPDE20100502_015948_000000432089_00074_42713_8104.N1	02-MAY-2010 01:59:48	Dark	43.000	172	Gam Gru	3.0030	13100.	86	42713	No
24	GOM_TRA_1PNPDE20100502_021422_000000412089_00075_42714_8105.N1	02-MAY-2010 02:14:22	Straylight	41.000	141	Bet Ara	2.8400	4600.0	82	42714	No
25	GOM_TRA_1PNPDE20100502_021617_000000592089_00075_42714_8106.N1	02-MAY-2010 02:16:17	Straylight	58.500	40	The Sco	1.8590	7100.0	117	42714	No
26	GOM_TRA_1PNPDE20100502_021803_000000582089_00075_42714_8107.N1	02-MAY-2010 02:18:03	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	42714	No
27	GOM_TRA_1PNPDE20100502_022107_000000622089_00075_42714_8108.N1	02-MAY-2010 02:21:07	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	42714	No
28	GOM_TRA_1PNPDE20100502_022450_000000682089_00075_42714_8109.N1	02-MAY-2010 02:24:50	Twilight	67.500	16	21Alp Sco	1.0200	3000.0	135	42714	No
29	GOM_TRA_1PNPDE20100502_022702_000000592089_00075_42714_8110.N1	02-MAY-2010 02:27:02	Twilight	58.500	80	7Del Sco	2.3160	30000.	117	42714	No
30	GOM_TRA_1PNPDE20100502_023009_000000462089_00075_42714_8111.N1	02-MAY-2010 02:30:09	Bright	45.500	122	9Alp2Lib	2.7470	9700.0	91	42714	No
31	GOM_TRA_1PNPDE20100502_023225_000000492089_00075_42714_8112.N1	02-MAY-2010 02:32:25	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	42714	No
32	GOM_TRA_1PNPDE20100502_024049_000000392089_00075_42714_8113.N1	02-MAY-2010 02:40:49	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	42714	No
33	GOM_TRA_1PNPDE20100502_024427_000000462089_00075_42714_8114.N1	02-MAY-2010 02:44:27	Bright	45.500	83		2.3780	11000.	91	42714	No
34	GOM_TRA_1PNPDE20100502_024628_000000292089_00075_42714_8115.N1	02-MAY-2010 02:46:28	Twilight	29.000	67	5Alp CrB	2.2210	11000.	58	42714	No
35	GOM_TRA_1PNPDE20100502_024728_000000412089_00075_42714_8116.N1	02-MAY-2010 02:47:28	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42714	No
36	GOM_TRA_1PNPDE20100502_025700_000000452089_00075_42714_8117.N1	02-MAY-2010 02:57:00	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42714	No
37	GOM_TRA_1PNPDE20100502_030722_000000432089_00075_42714_8127.N1	02-MAY-2010 03:07:22	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42714	No
38	GOM_TRA_1PNPDE20100502_031848_000000522089_00075_42714_8128.N1	02-MAY-2010 03:18:48	Bright	51.500	164	44Eta Peg	2.9480	5400.0	103	42714	No
39	GOM_TRA_1PNPDE20100502_032316_000000442089_00075_42714_8129.N1	02-MAY-2010 03:23:16	Twilight	44.000	90	54Alp Peg	2.4870	11000.	88	42714	No
40	GOM_TRA_1PNPDE20100502_032741_000000692089_00075_42714_8130.N1	02-MAY-2010 03:27:41	Dark	69.000	61	8Eps Peg	2.1000	3900.0	138	42714	No
41	GOM_TRA_1PNPDE20100502_033007_000000572089_00075_42714_8131.N1	02-MAY-2010 03:30:07	Dark	56.500	162	34Alp Aqr	2.9440	5350.0	113	42714	No
42	GOM_TRA_1PNPDE20100502_033356_000000612089_00075_42714_8132.N1	02-MAY-2010 03:33:56	Dark	61.000	154	22Bet Aqr	2.8990	5700.0	122	42714	No
43	GOM_TRA_1PNPDE20100502_035459_000000532089_00076_42715_8133.N1	02-MAY-2010 03:54:59	Straylight	53.000	141	Bet Ara	2.8400	4600.0	106	42715	No
44	GOM_TRA_1PNPDE20100502_035653_000000512089_00076_42715_8134.N1	02-MAY-2010 03:56:53	Straylight	51.000	40	The Sco	1.8590	7100.0	102	42715	No
45	GOM_TRA_1PNPDE20100502_035839_000000572089_00076_42715_8135.N1	02-MAY-2010 03:58:39	Straylight	57.000	25	35Lam Sco	1.6200	28000.	114	42715	No
46	GOM_TRA_1PNPDE20100502_040144_000000602089_00076_42715_8136.N1	02-MAY-2010 04:01:44	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	42715	No
47	GOM_TRA_1PNPDE20100502_040526_000000752089_00076_42715_8137.N1	02-MAY-2010 04:05:26	Twilight	75.000	16	21Alp Sco	1.0200	3000.0	150	42715	No
48	GOM_TRA_1PNPDE20100502_040738_000000622089_00076_42715_8138.N1	02-MAY-2010 04:07:38	Twilight	61.500	80	7Del Sco	2.3160	30000.	123	42715	No
49	GOM_TRA_1PNPDE20100502_041045_000000442089_00076_42715_8139.N1	02-MAY-2010 04:10:45	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	42715	No
50	GOM_TRA_1PNPDE20100502_041301_000000462089_00076_42715_8140.N1	02-MAY-2010 04:13:01	Bright	46.000	104	27Bet Lib	2.6140	13100.	92	42715	No
51	GOM_TRA_1PNPDE20100502_042124_000000392089_00076_42715_8141.N1	02-MAY-2010 04:21:24	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	42715	No
52	GOM_TRA_1PNPDE20100502_042502_000000462089_00076_42715_8142.N1	02-MAY-2010 04:25:02	Bright	46.000	83		2.3780	11000.	92	42715	No
53	GOM_TRA_1PNPDE20100502_042703_000000292089_00076_42715_8143.N1	02-MAY-2010 04:27:03	Twilight	29.000	67	5Alp CrB	2.2210	11000.	58	42715	No
54	GOM_TRA_1PNPDE20100502_042803_000000512089_00076_42715_8144.N1	02-MAY-2010 04:28:03	Bright	51.000	180	27Gam Boo	3.0400	8000.0	102	42715	No
55	GOM_TRA_1PNPDE20100502_043735_000000452089_00076_42715_8145.N1	02-MAY-2010 04:37:35	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	42715	No
56	GOM_TRA_1PNPDE20100502_044758_000000402089_00076_42715_8151.N1	02-MAY-2010 04:47:58	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42715	No
57	GOM_TRA_1PNPDE20100502_045924_000000502089_00076_42715_8152.N1	02-MAY-2010 04:59:24	Bright	49.500	164	44Eta Peg	2.9480	5400.0	99	42715	No
58	GOM_TRA_1PNPDE20100502_050352_000000462089_00076_42715_8153.N1	02-MAY-2010 05:03:52	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	42715	No
59	GOM_TRA_1PNPDE20100502_050818_000000772089_00076_42715_8154.N1	02-MAY-2010 05:08:18	Dark	77.000	61	8Eps Peg	2.1000	3900.0	154	42715	No
60	GOM_TRA_1PNPDE20100502_051043_000000582089_00076_42715_8155.N1	02-MAY-2010 05:10:43	Dark	58.000	162	34Alp Aqr	2.9440	5350.0	116	42715	No
61	GOM_TRA_1PNPDE20100502_051433_000000642089_00076_42715_8156.N1	02-MAY-2010 05:14:33	Dark	63.500	154	22Bet Aqr	2.8990	5700.0	127	42715	No
62	GOM_TRA_1PNPDE20100502_052102_000000422089_00076_42715_8157.N1	02-MAY-2010 05:21:02	Dark	41.500	172	Gam Gru	3.0030	13100.	83	42715	No
63	GOM_TRA_1PNPDE20100502_053535_000000432089_00077_42716_8158.N1	02-MAY-2010 05:35:35	Straylight	43.000	141	Bet Ara	2.8400	4600.0	86	42716	No
64	GOM_TRA_1PNPDE20100502_053730_000000492089_00077_42716_8159.N1	02-MAY-2010 05:37:30	Straylight	49.000	40	The Sco	1.8590	7100.0	98	42716	No
65	GOM_TRA_1PNPDE20100502_053917_000000652089_00077_42716_8160.N1	02-MAY-2010 05:39:17	Straylight	65.000	25	35Lam Sco	1.6200	28000.	130	42716	No
66	GOM_TRA_1PNPDE20100502_054220_000000592089_00077_42716_8161.N1	02-MAY-2010 05:42:20	Straylight	59.000	75	26Eps Sco	2.2910	4250.0	118	42716	No
67	GOM_TRA_1PNPDE20100502_054602_000000772089_00077_42716_8162.N1	02-MAY-2010 05:46:02	Twilight	76.500	16	21Alp Sco	1.0200	3000.0	153	42716	No
68	GOM_TRA_1PNPDE20100502_054815_000000622089_00077_42716_8163.N1	02-MAY-2010 05:48:15	Twilight	61.500	80	7Del Sco	2.3160	30000.	123	42716	No

69	GOM_TRA_1PNPDE20100502_055122_000000462089_00077_42716_8164.N1	02-MAY-2010 05:51:22	Bright	45.500	122	9Alp2Lib	2.7470	9700.0	91	42716	No
70	GOM_TRA_1PNPDE20100502_055337_000000492089_00077_42716_8165.N1	02-MAY-2010 05:53:37	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	42716	No
71	GOM_TRA_1PNPDE20100502_060201_000000562089_00077_42716_8166.N1	02-MAY-2010 06:02:01	Bright	56.000	111	8Eta Boo	2.6800	6000.0	112	42716	No
72	GOM_TRA_1PNPDE20100502_060538_000000462089_00077_42716_8167.N1	02-MAY-2010 06:05:38	Bright	45.500	83		2.3780	11000.	91	42716	No
73	GOM_TRA_1PNPDE20100502_060839_000000422089_00077_42716_8168.N1	02-MAY-2010 06:08:39	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	42716	No
74	GOM_TRA_1PNPDE20100502_061811_000000452089_00077_42716_8169.N1	02-MAY-2010 06:18:11	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42716	No
75	GOM_TRA_1PNPDE20100502_204448_000000612089_00086_42725_8269.N1	02-MAY-2010 20:44:48	Straylight	60.500	25	35Lam Sco	1.6200	28000.	121	42725	No
76	GOM_TRA_1PNPDE20100502_204750_000000602089_00086_42725_8270.N1	02-MAY-2010 20:47:50	Straylight	60.000	75	26Eps Sco	2.2910	4250.0	120	42725	No
77	GOM_TRA_1PNPDE20100502_205130_000000702089_00086_42725_8271.N1	02-MAY-2010 20:51:30	Twilight	70.000	16	21Alp Sco	1.0200	3000.0	140	42725	No
78	GOM_TRA_1PNPDE20100502_205341_000000602089_00086_42725_8272.N1	02-MAY-2010 20:53:41	Twilight	60.000	80	7Del Sco	2.3160	30000.	120	42725	No
79	GOM_TRA_1PNPDE20100502_205646_000000482089_00086_42725_8273.N1	02-MAY-2010 20:56:46	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	42725	No
80	GOM_TRA_1PNPDE20100502_205900_000000482089_00086_42725_8274.N1	02-MAY-2010 20:59:00	Bright	48.000	104	27Bet Lib	2.6140	13100.	96	42725	No
81	GOM_TRA_1PNPDE20100502_210722_000000382089_00086_42725_8275.N1	02-MAY-2010 21:07:22	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	42725	No
82	GOM_TRA_1PNPDE20100502_211057_000000432089_00086_42725_8276.N1	02-MAY-2010 21:10:57	Bright	43.000	83		2.3780	11000.	86	42725	No
83	GOM_TRA_1PNPDE20100502_211359_000000412089_00086_42725_8277.N1	02-MAY-2010 21:13:59	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42725	No
84	GOM_TRA_1PNPDE20100502_212328_000000472089_00086_42725_8278.N1	02-MAY-2010 21:23:28	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	42725	No
85	GOM_TRA_1PNPDE20100502_213354_000000442089_00086_42725_8279.N1	02-MAY-2010 21:33:54	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42725	No
86	GOM_TRA_1PNPDE20100502_214525_000000492089_00086_42725_8280.N1	02-MAY-2010 21:45:25	Bright	48.500	164	44Eta Peg	2.9480	5400.0	97	42725	No
87	GOM_TRA_1PNPDE20100502_214955_000000452089_00086_42725_8281.N1	02-MAY-2010 21:49:55	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	42725	No
88	GOM_TRA_1PNPDE20100502_215427_000000712089_00086_42725_8282.N1	02-MAY-2010 21:54:27	Dark	70.500	61	8Eps Peg	2.1000	3900.0	141	42725	No
89	GOM_TRA_1PNPDE20100502_215651_000000592089_00086_42725_8292.N1	02-MAY-2010 21:56:51	Dark	59.000	162	34Alp Aqr	2.9440	5350.0	118	42725	Yes
90	GOM_TRA_1PNPDE20100502_220045_000000632089_00086_42725_8293.N1	02-MAY-2010 22:00:45	Dark	63.000	154	22Bet Aqr	2.8990	5700.0	126	42725	No
91	GOM_TRA_1PNPDE20100502_220708_000000412089_00086_42725_8294.N1	02-MAY-2010 22:07:08	Dark	40.500	172	Gam Gru	3.0030	13100.	81	42725	No
92	GOM_TRA_1PNPDE20100502_222141_000000432089_00087_42726_8295.N1	02-MAY-2010 22:21:41	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	42726	No
93	GOM_TRA_1PNPDE20100502_222338_000000552089_00087_42726_8296.N1	02-MAY-2010 22:23:38	Straylight	55.000	40	The Sco	1.8590	7100.0	110	42726	No
94	GOM_TRA_1PNPDE20100502_222525_000000602089_00087_42726_8297.N1	02-MAY-2010 22:25:25	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	42726	No
95	GOM_TRA_1PNPDE20100502_222827_000000592089_00087_42726_8298.N1	02-MAY-2010 22:28:27	Straylight	59.000	75	26Eps Sco	2.2910	4250.0	118	42726	No
96	GOM_TRA_1PNPDE20100502_223207_000000712089_00087_42726_8299.N1	02-MAY-2010 22:32:07	Twilight	70.500	16	21Alp Sco	1.0200	3000.0	141	42726	No
97	GOM_TRA_1PNPDE20100502_223417_000000632089_00087_42726_8300.N1	02-MAY-2010 22:34:17	Twilight	62.500	80	7Del Sco	2.3160	30000.	125	42726	No
98	GOM_TRA_1PNPDE20100502_223722_000000452089_00087_42726_8301.N1	02-MAY-2010 22:37:22	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	42726	No
99	GOM_TRA_1PNPDE20100502_223936_000000482089_00087_42726_8302.N1	02-MAY-2010 22:39:36	Bright	47.500	104	27Bet Lib	2.6140	13100.	95	42726	No
100	GOM_TRA_1PNPDE20100502_224759_000000382089_00087_42726_8303.N1	02-MAY-2010 22:47:59	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	42726	No
101	GOM_TRA_1PNPDE20100502_225132_000000452089_00087_42726_8304.N1	02-MAY-2010 22:51:32	Bright	45.000	83		2.3780	11000.	90	42726	No
102	GOM_TRA_1PNPDE20100502_225434_000000422089_00087_42726_8305.N1	02-MAY-2010 22:54:34	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	42726	No
103	GOM_TRA_1PNPDE20100502_230404_000000432089_00087_42726_8306.N1	02-MAY-2010 23:04:04	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42726	No
104	GOM_TRA_1PNPDE20100502_231429_000000442089_00087_42726_8307.N1	02-MAY-2010 23:14:29	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42726	No
105	GOM_TRA_1PNPDE20100502_232601_000000482089_00087_42726_8308.N1	02-MAY-2010 23:26:01	Bright	47.500	164	44Eta Peg	2.9480	5400.0	95	42726	No
106	GOM_TRA_1PNPDE20100502_233031_000000472089_00087_42726_8309.N1	02-MAY-2010 23:30:31	Twilight	46.500	90	54Alp Peg	2.4870	11000.	93	42726	No
107	GOM_TRA_1PNPDE20100502_233503_000000672089_00087_42726_8310.N1	02-MAY-2010 23:35:03	Dark	66.500	61	8Eps Peg	2.1000	3900.0	133	42726	No
108	GOM_TRA_1PNPDE20100502_233728_000000572089_00087_42726_8311.N1	02-MAY-2010 23:37:28	Dark	56.500	162	34Alp Aqr	2.9440	5350.0	113	42726	No
109	GOM_TRA_1PNPDE20100502_234122_000000642089_00087_42726_8311.N1	02-MAY-2010 23:41:22	Dark	63.500	154	22Bet Aqr	2.8990	5700.0	127	42726	No
110	GOM_TRA_1PNPDE20100502_234745_000000432089_00087_42726_8312.N1	02-MAY-2010 23:47:45	Dark	43.000	172	Gam Gru	3.0030	13100.	86	42726	No

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





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

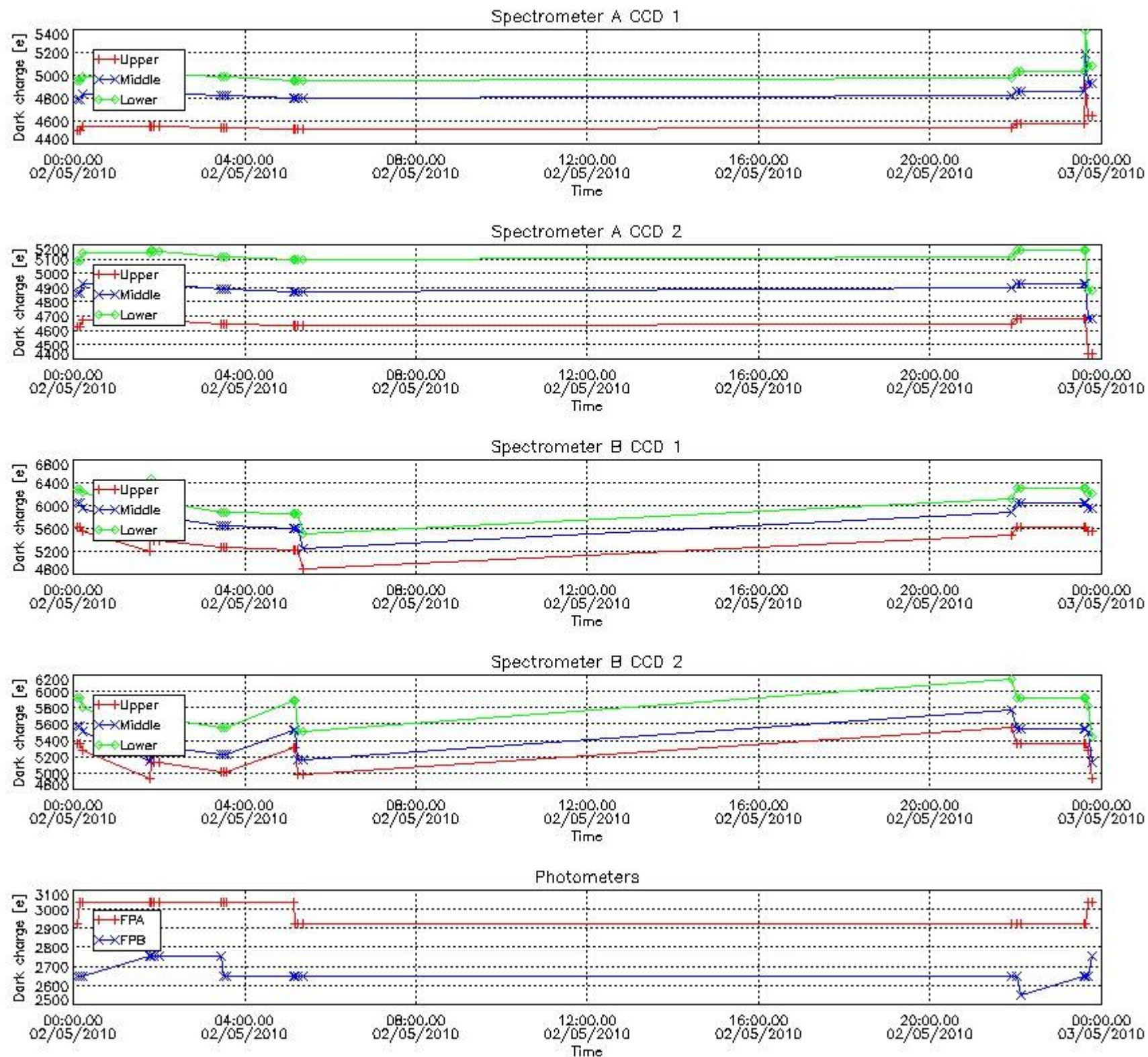
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100502_204448_000000612089_00086_42725_8269.N1	DC map used
GOM_TRA_1PNPDE20100502_204750_000000602089_00086_42725_8270.N1	DC map used
GOM_TRA_1PNPDE20100502_205130_000000702089_00086_42725_8271.N1	DC map used
GOM_TRA_1PNPDE20100502_205341_000000602089_00086_42725_8272.N1	DC map used
GOM_TRA_1PNPDE20100502_205646_000000482089_00086_42725_8273.N1	DC map used
GOM_TRA_1PNPDE20100502_205900_000000482089_00086_42725_8274.N1	DC map used
GOM_TRA_1PNPDE20100502_210722_000000382089_00086_42725_8275.N1	DC map used
GOM_TRA_1PNPDE20100502_211057_000000432089_00086_42725_8276.N1	DC map used
GOM_TRA_1PNPDE20100502_211359_000000412089_00086_42725_8277.N1	DC map used
GOM_TRA_1PNPDE20100502_212328_000000472089_00086_42725_8278.N1	DC map used
GOM_TRA_1PNPDE20100502_213354_000000442089_00086_42725_8279.N1	DC map used
GOM_TRA_1PNPDE20100502_214525_000000492089_00086_42725_8280.N1	DC map used
GOM_TRA_1PNPDE20100502_214955_000000452089_00086_42725_8281.N1	DC map used
GOM_TRA_1PNPDE20100502_215427_000000712089_00086_42725_8282.N1	DC map used

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



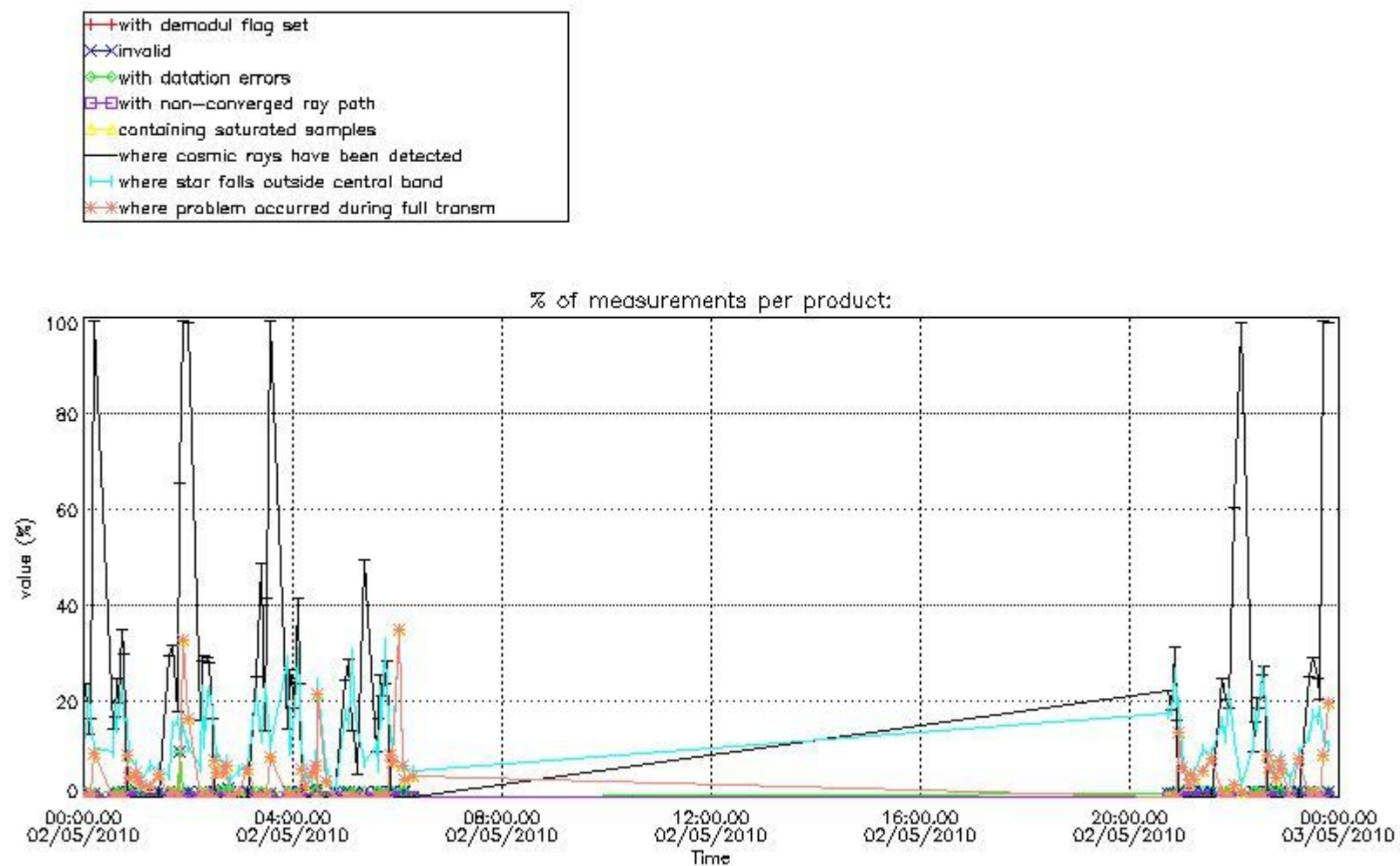
5. Demodulation flag and quality information monitoring

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:

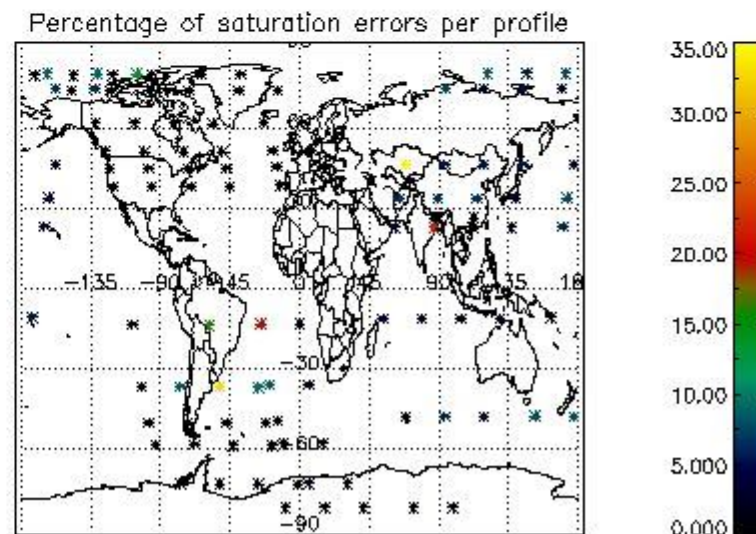
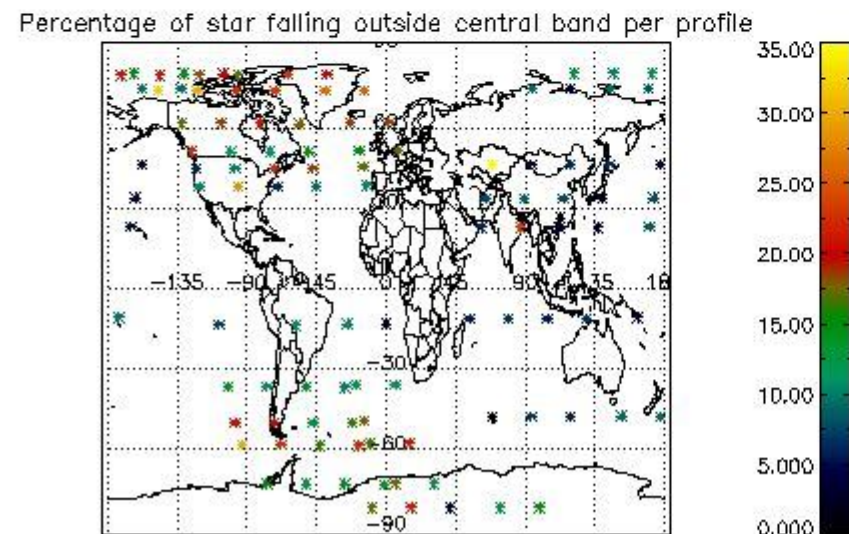
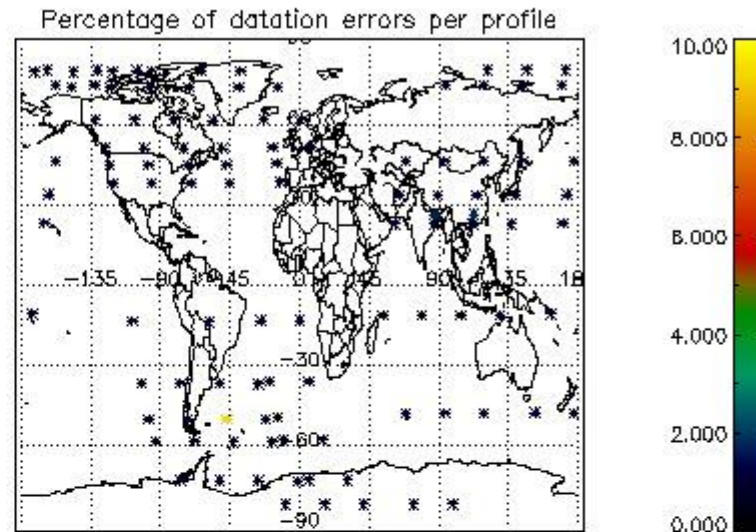
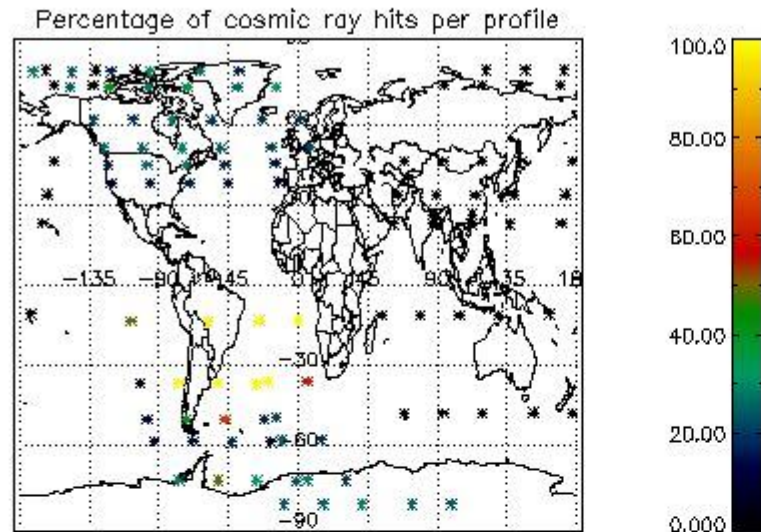
At least one measurement with demodulation flag set:	52.2936 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





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

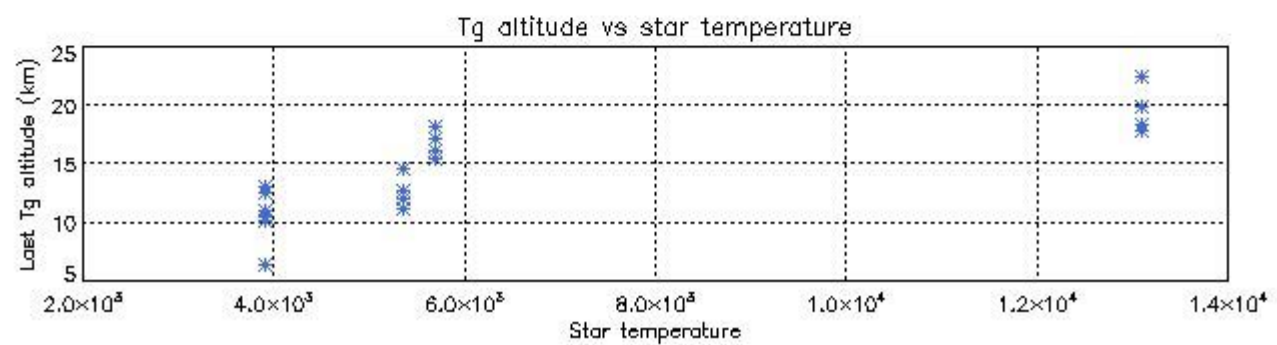
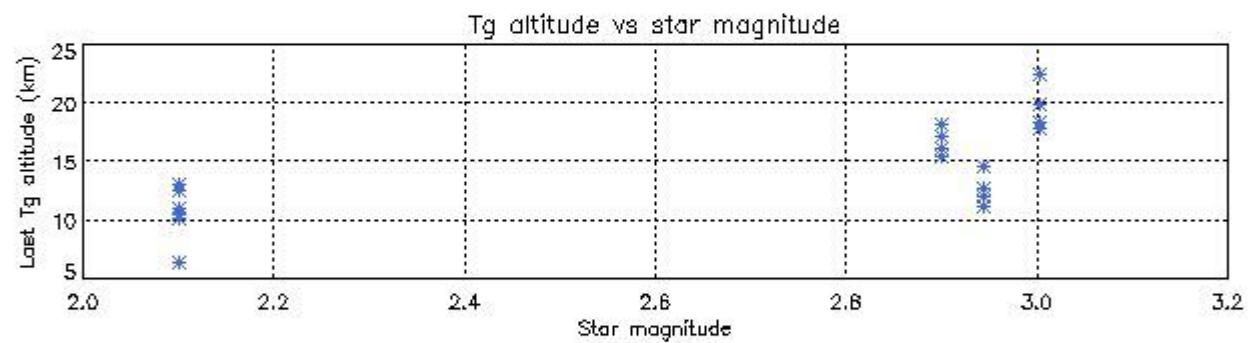
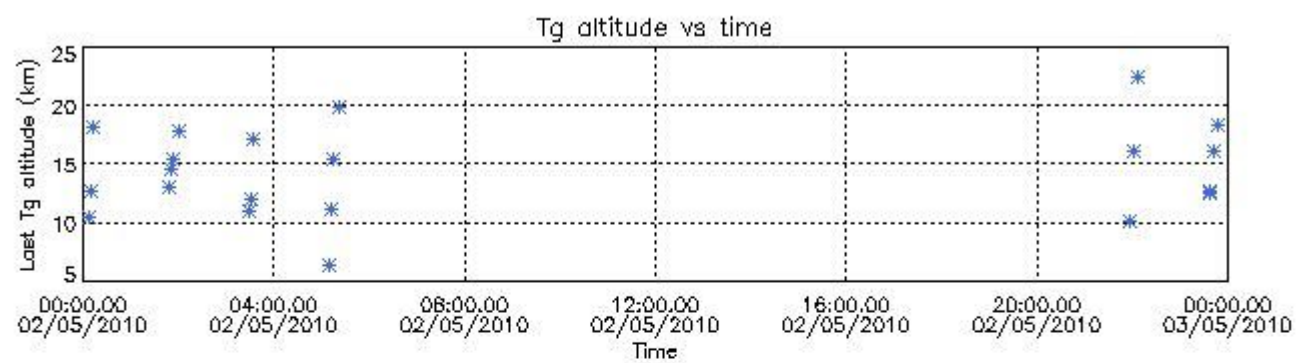
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.454	18.868	13.876
St. deviation:	3.7958	4.1423	0.89261
Maximum:	22.446	25.492	14.645
Minimum:	6.3906	4.1721	12.279
Number of data:	21.000	46.000	6.0000

### 6.2 Plot for DARK limb products

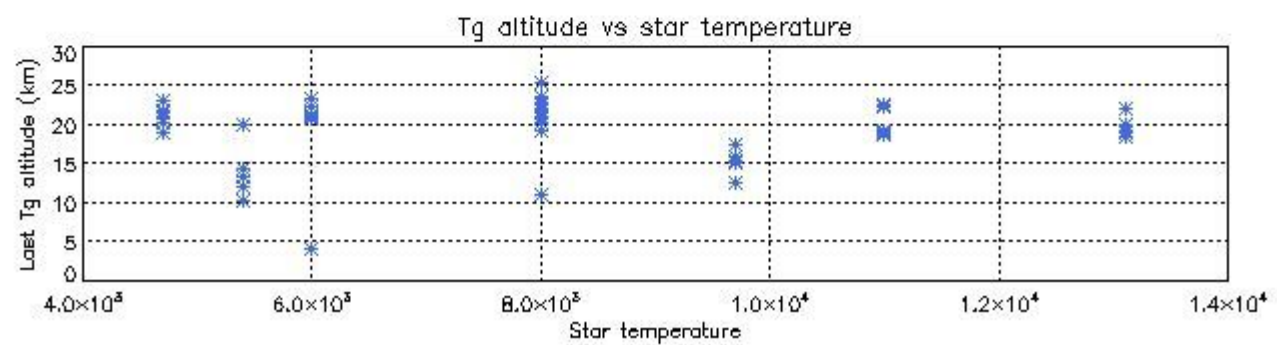
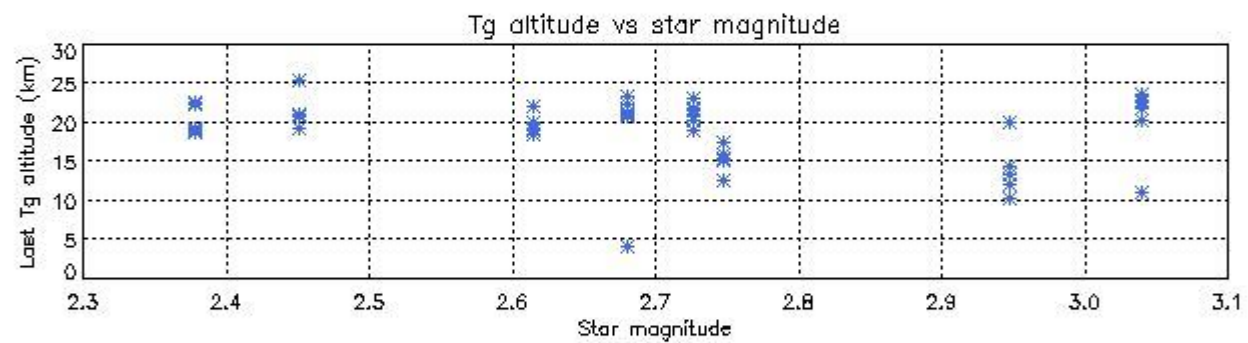
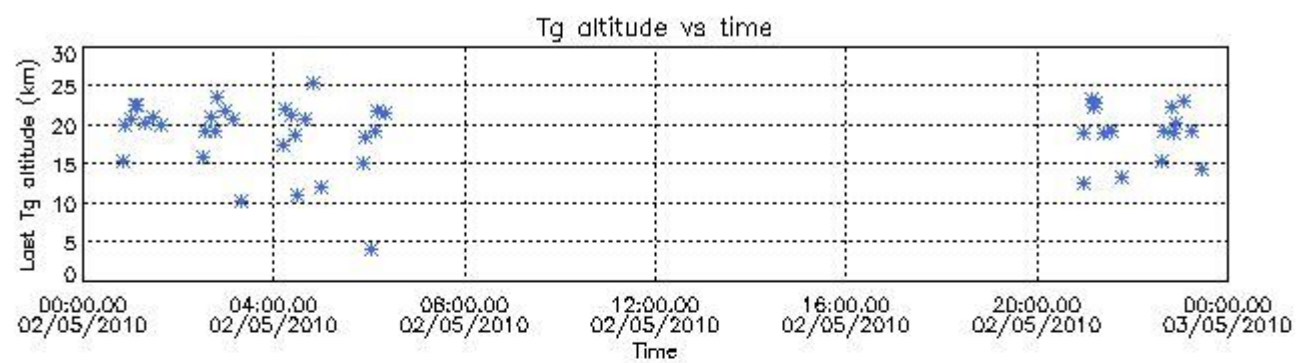


Tangent altitude at which the star is lost



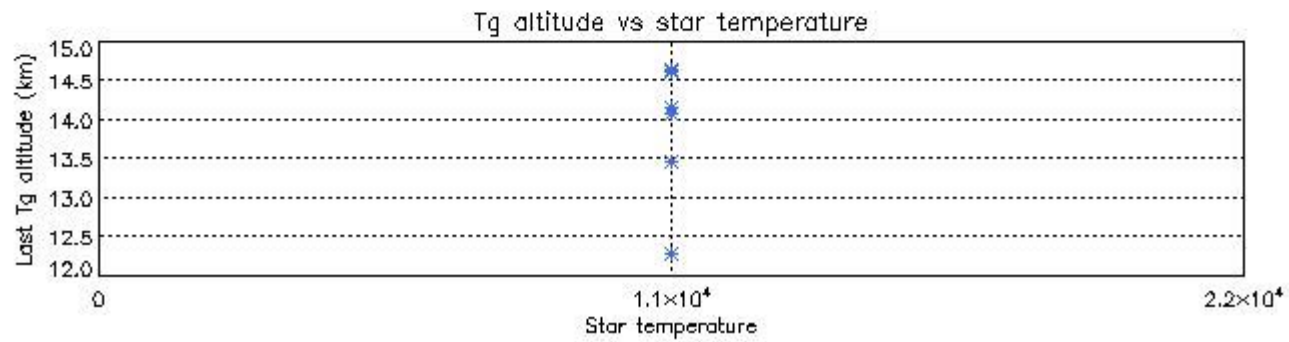
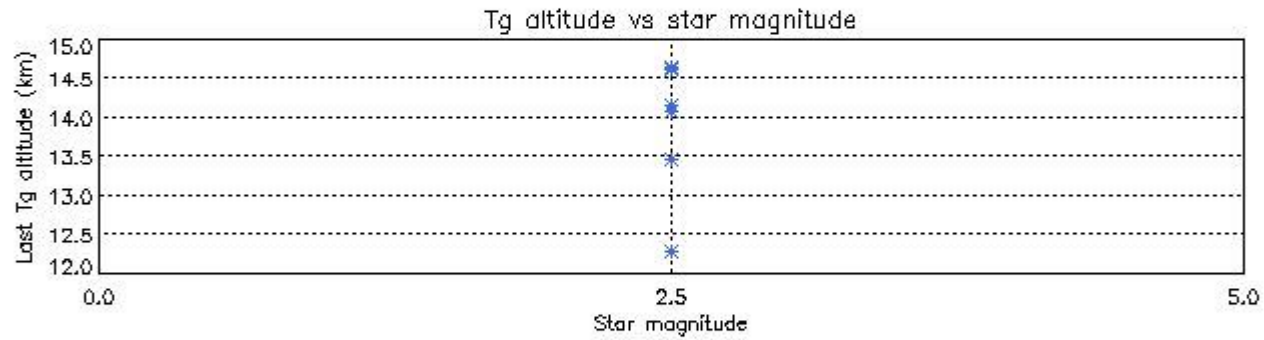
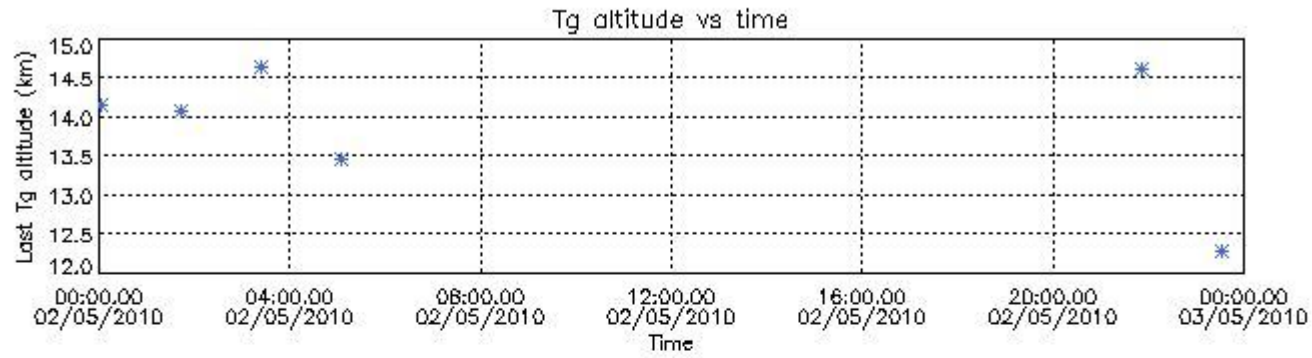
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost



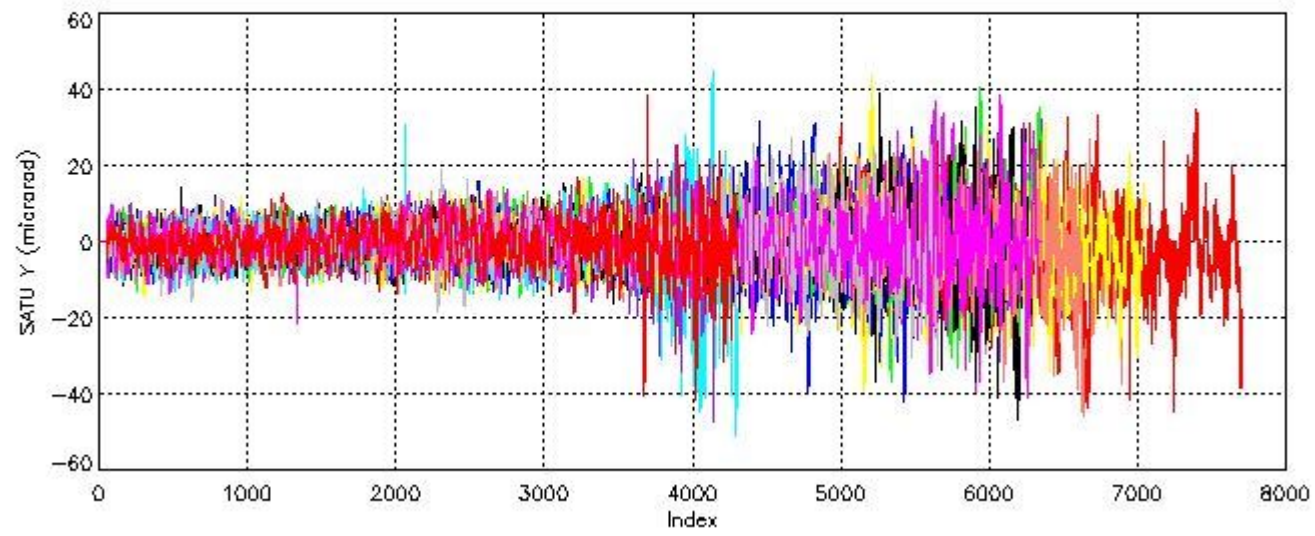
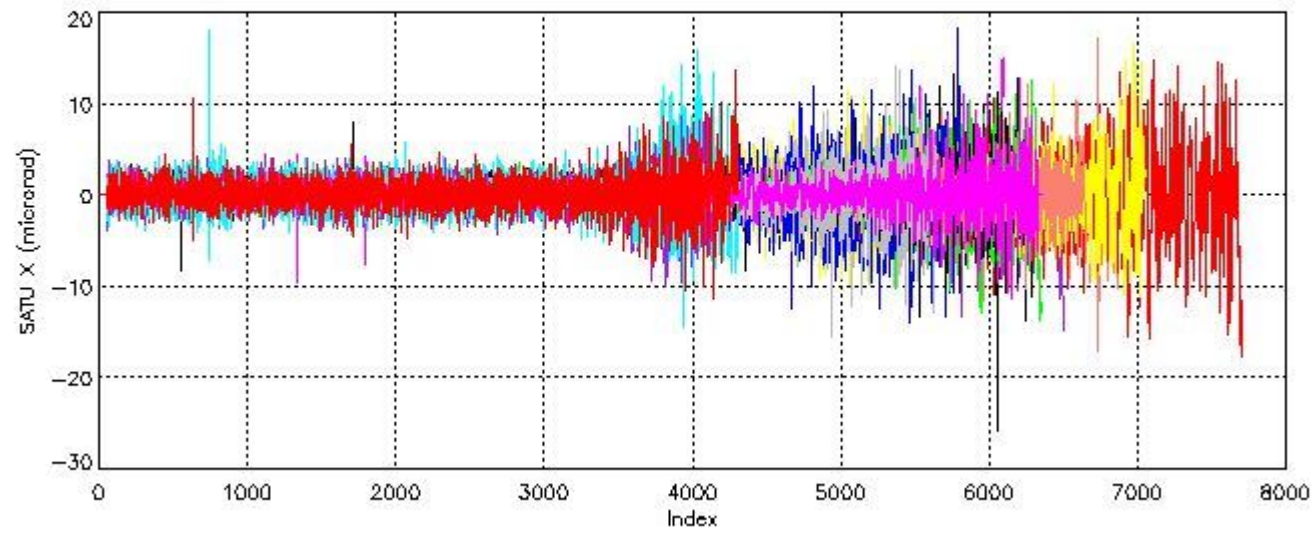
## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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





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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.24123	-0.57229	0.25965	-0.75461
St. deviation:	0.78373	3.5686	0.96158	3.5909
Maximum:	18.000	14.300	6.1000	15.600
Minimum:	-9.5000	-21.500	-5.4000	-15.600

Number of data:	26500.	26500.	47400.	47400.
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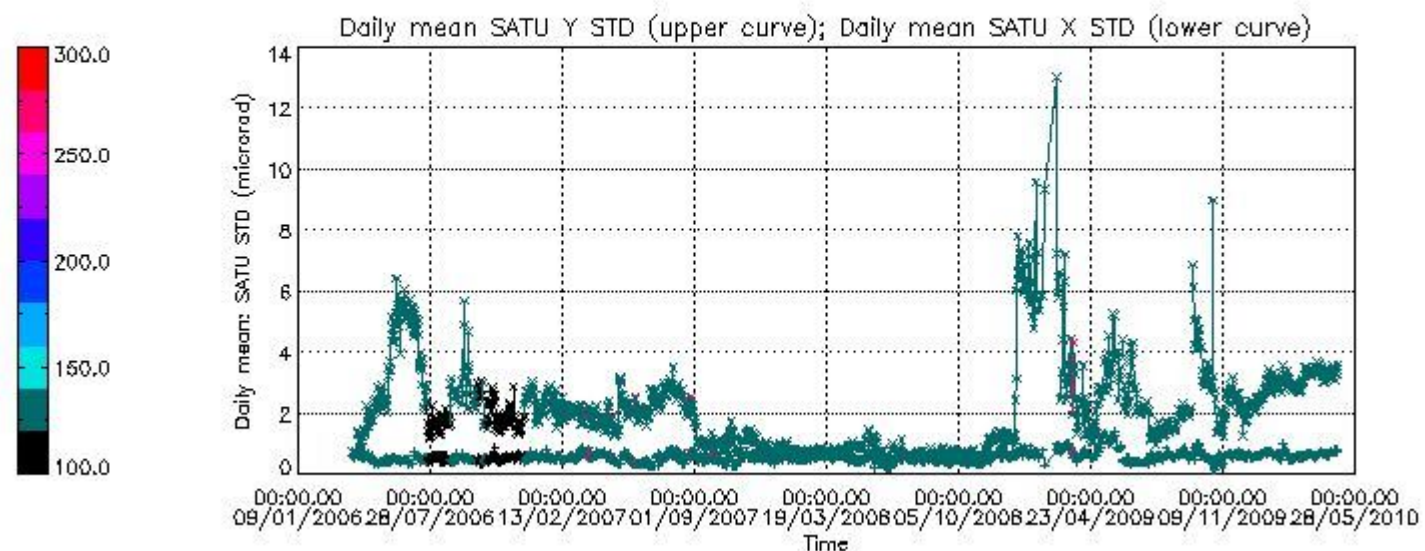
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

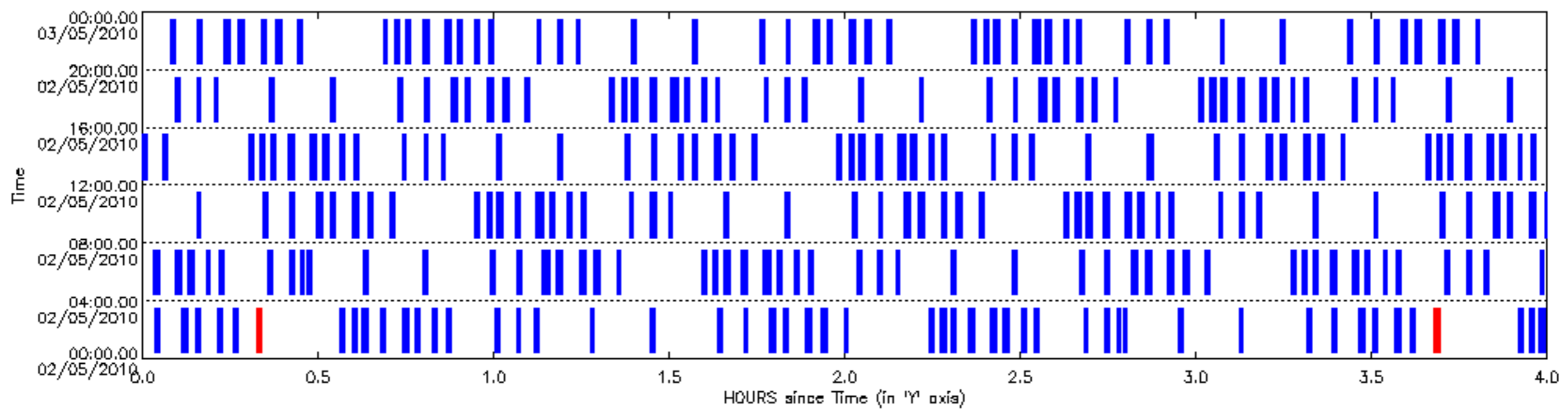
Lower curve: STD of SATU X axis



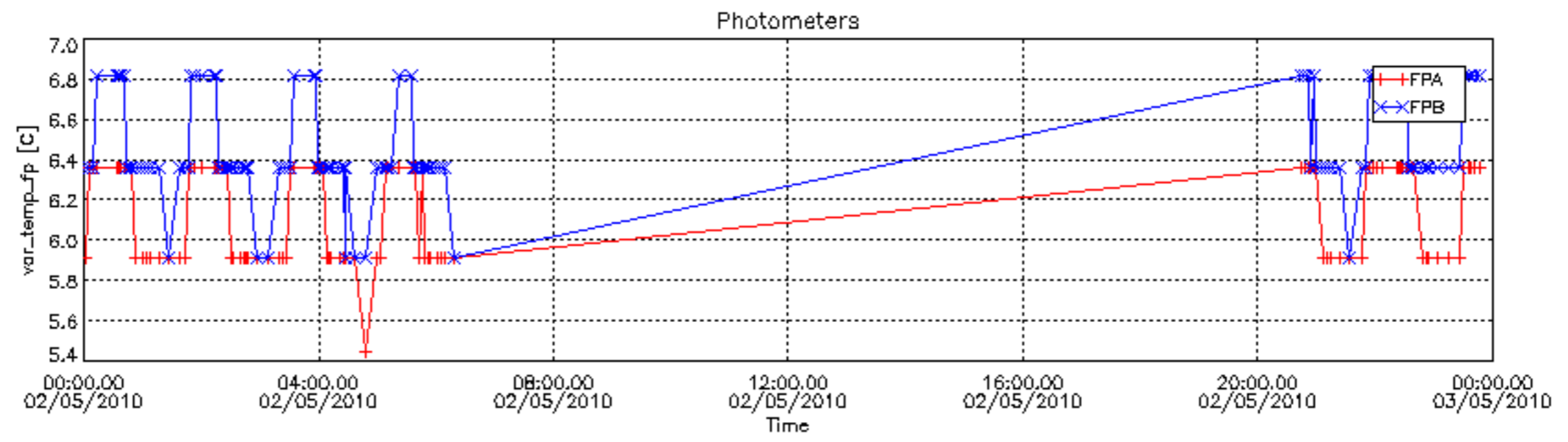
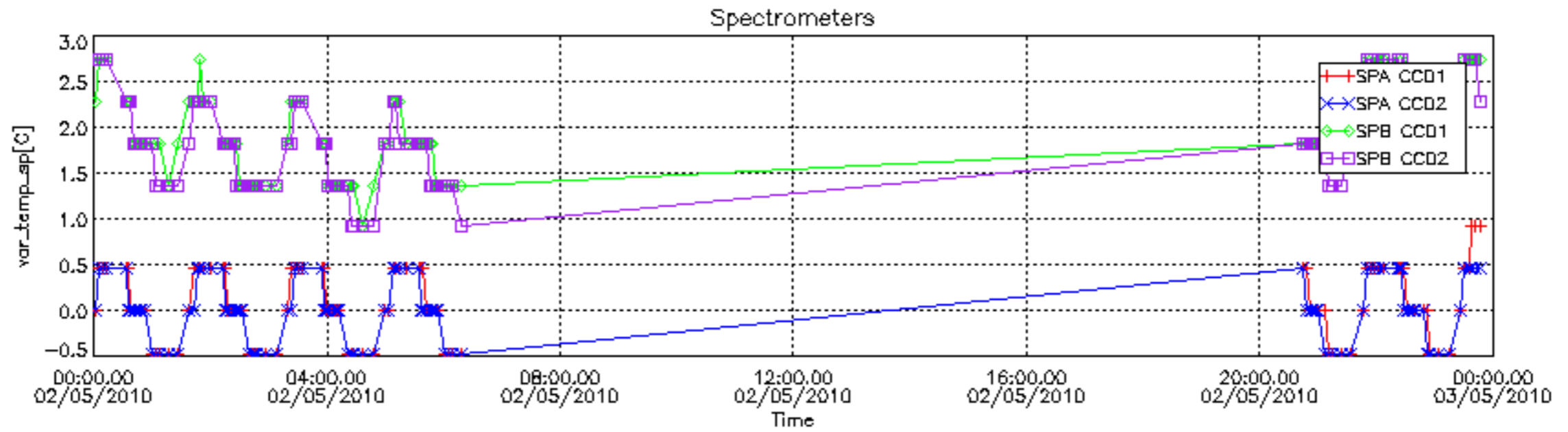
### 8. Auxiliary Data Files used for the production reported in section 2.4

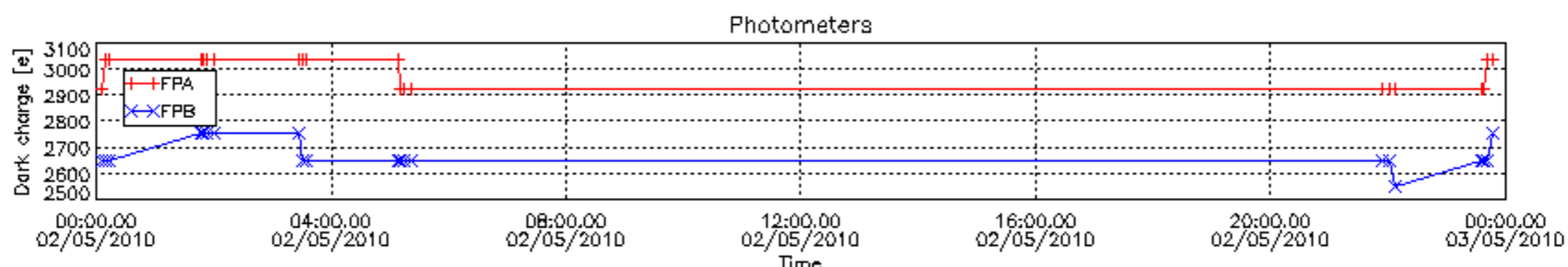
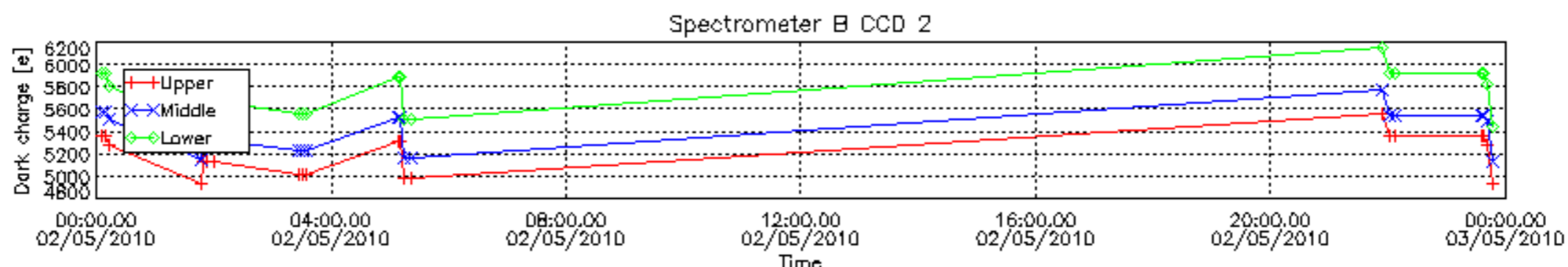
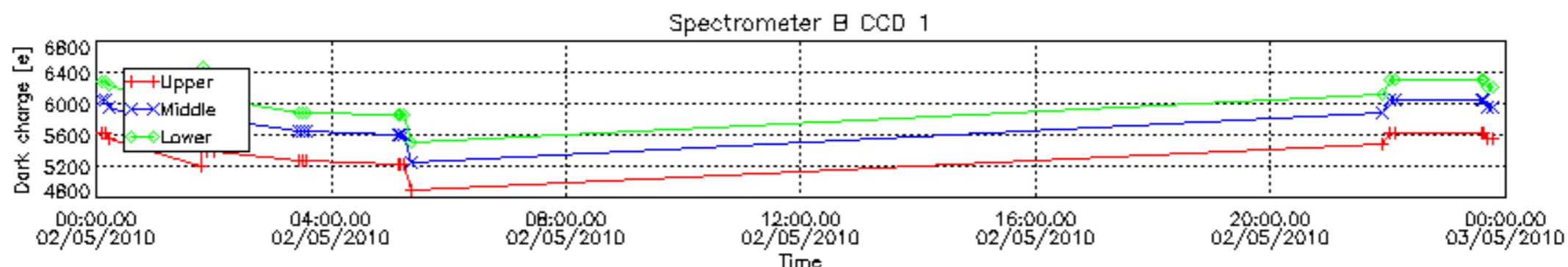
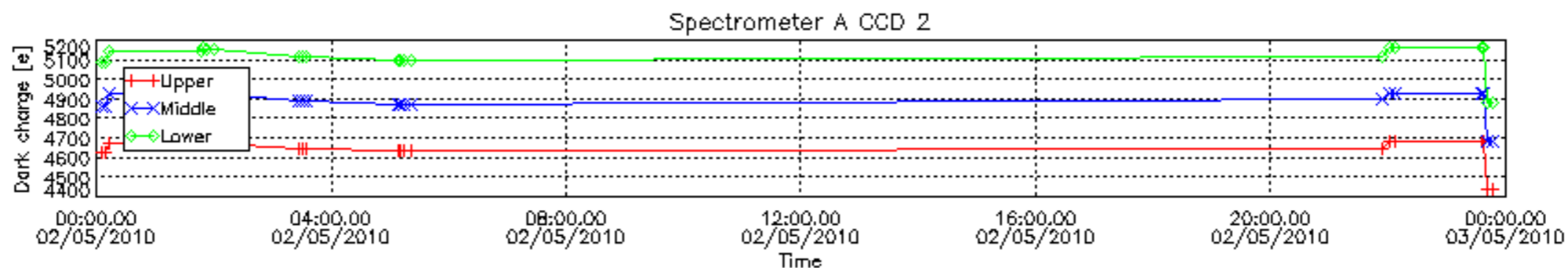
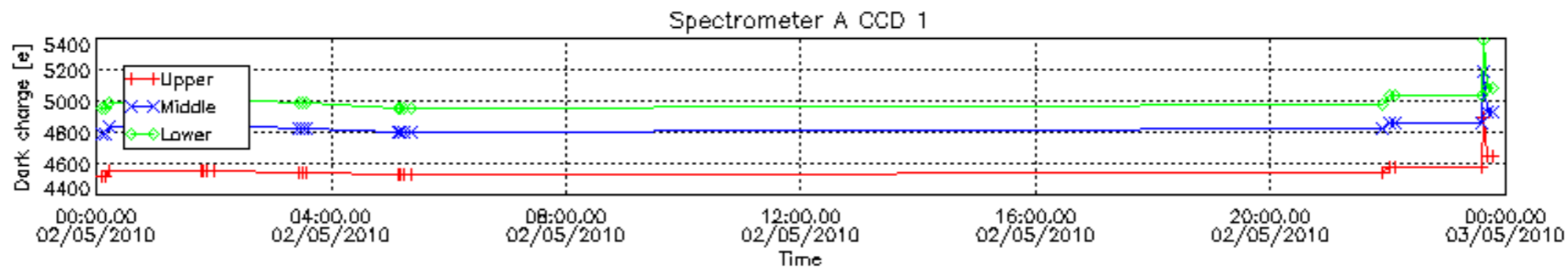
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

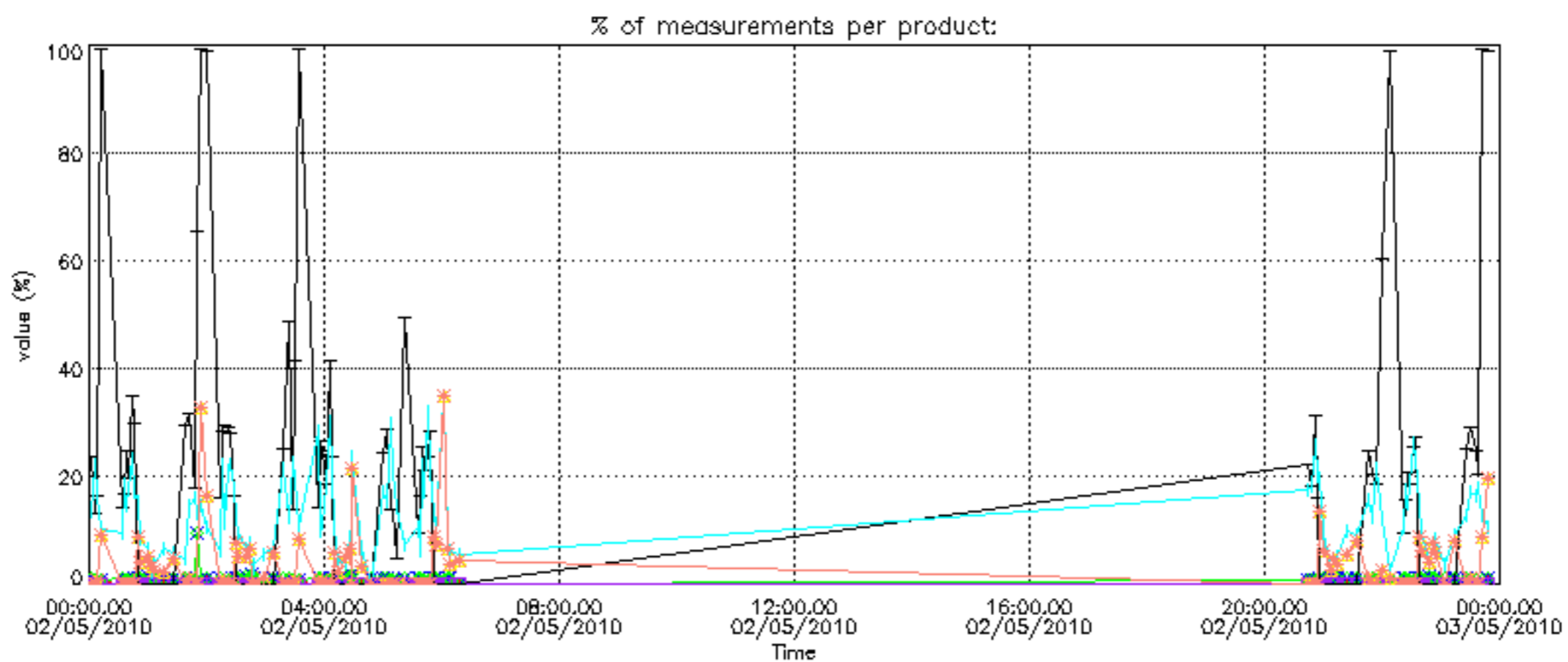
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-MAY-2010 00:02:03
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100428_080918_20100427_000000_20500101_000000	1	02-MAY-2010 00:02:03
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	02-MAY-2010 00:02:03
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-MAY-2010 00:02:03
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	02-MAY-2010 00:02:03
ECMWF_FILE	AUX_ECF_AXNECM20100501_054116_20100501_210000_20100502_090000	1	02-MAY-2010 00:02:03
ECMWF_FILE	AUX_ECF_AXNECM20100501_172059_20100502_030000_20100502_150000	37	02-MAY-2010 03:07:22
ECMWF_FILE	AUX_ECA_AXNECM20100502_052118_20100501_210000_20100502_090000	56	02-MAY-2010 04:47:58
ECMWF_FILE	AUX_ECF_AXNECM20100502_052118_20100502_150000_20100503_030000	75	02-MAY-2010 20:44:48
ECMWF_FILE	AUX_ECF_AXNECM20100502_054117_20100502_210000_20100503_090000	89	02-MAY-2010 21:56:51
OPTIONAL_ECMWF_FILE	MISSING	1	02-MAY-2010 00:02:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100501_222546_000060572089_00072_42711_0265.N1	1	02-MAY-2010 00:02:03
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100501_100116_20100430_195251_20100510_211905	4	02-MAY-2010 00:12:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100502_014740_000041442089_00074_42713_0267.N1	21	02-MAY-2010 01:49:30
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100501_100116_20100430_195251_20100510_211905	37	02-MAY-2010 03:07:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100502_044300_000057382089_00076_42715_0269.N1	56	02-MAY-2010 04:47:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100502_203922_000041442089_00086_42725_0270.N1	75	02-MAY-2010 20:44:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100502_215345_000057382089_00086_42725_0271.N1	89	02-MAY-2010 21:56:51
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100502_233442_000057382089_00087_42726_0272.N1	109	02-MAY-2010 23:41:22





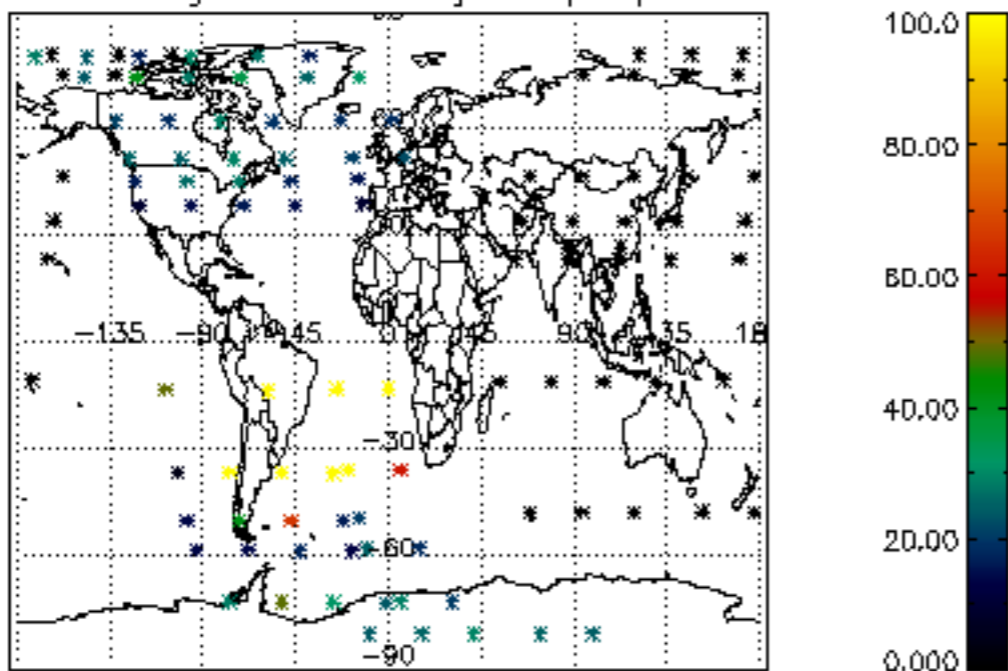




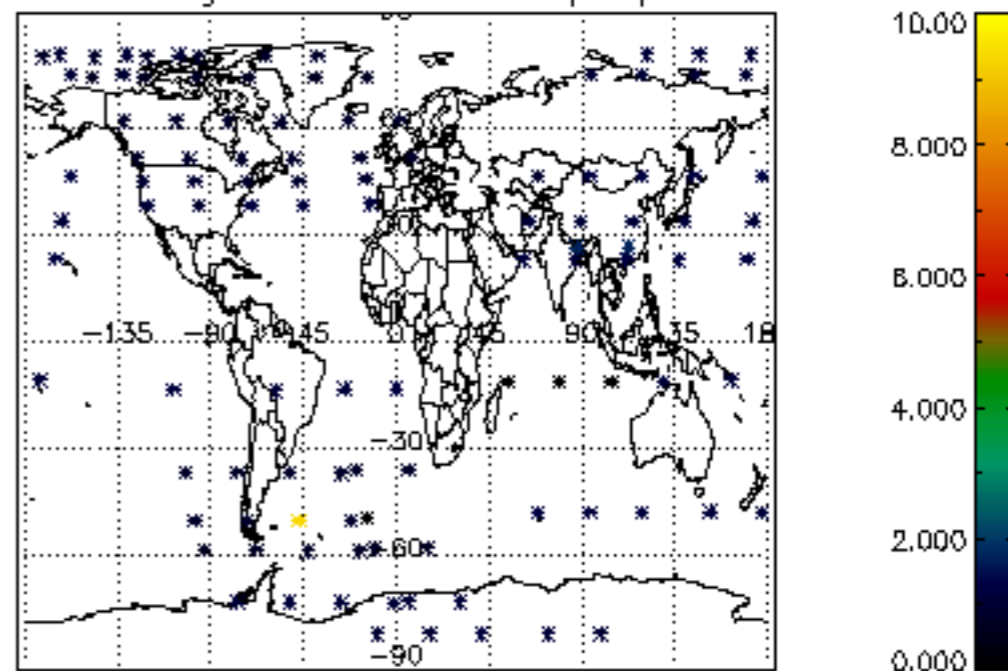




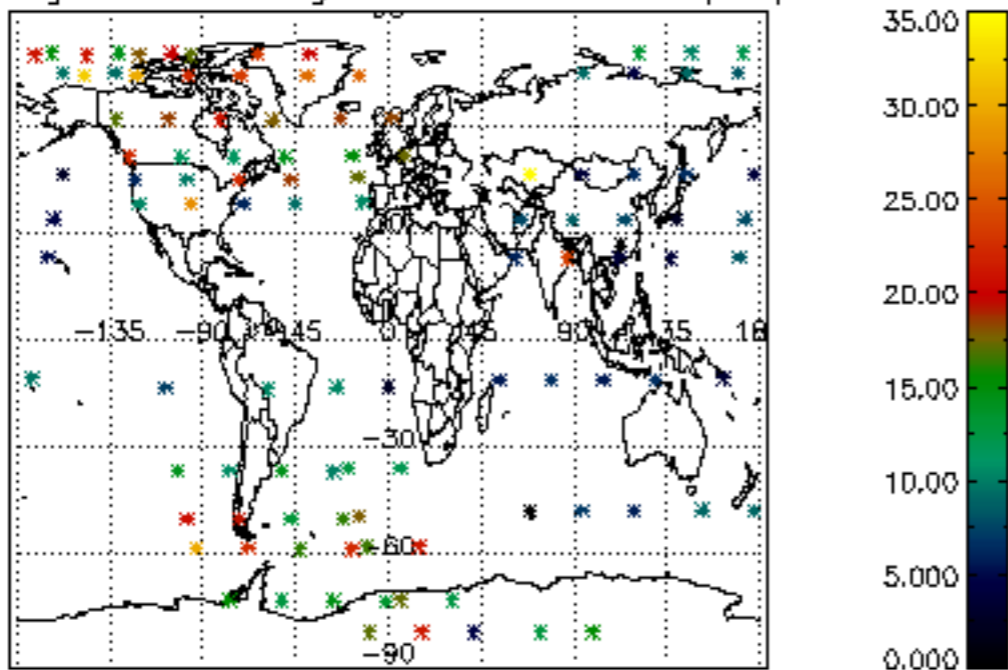
Percentage of cosmic ray hits per profile



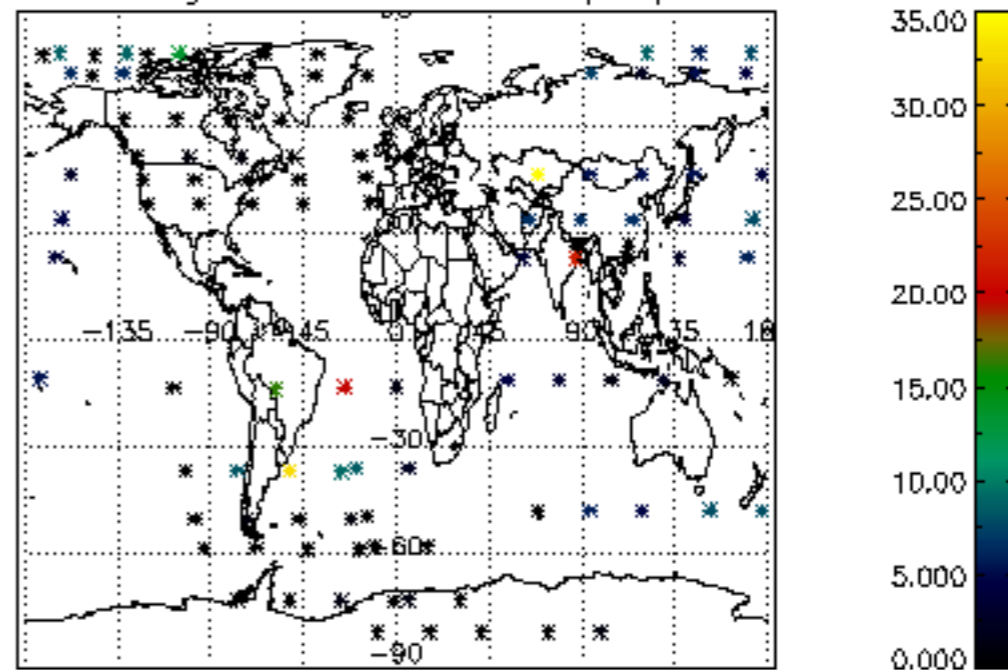
Percentage of datation errors per profile



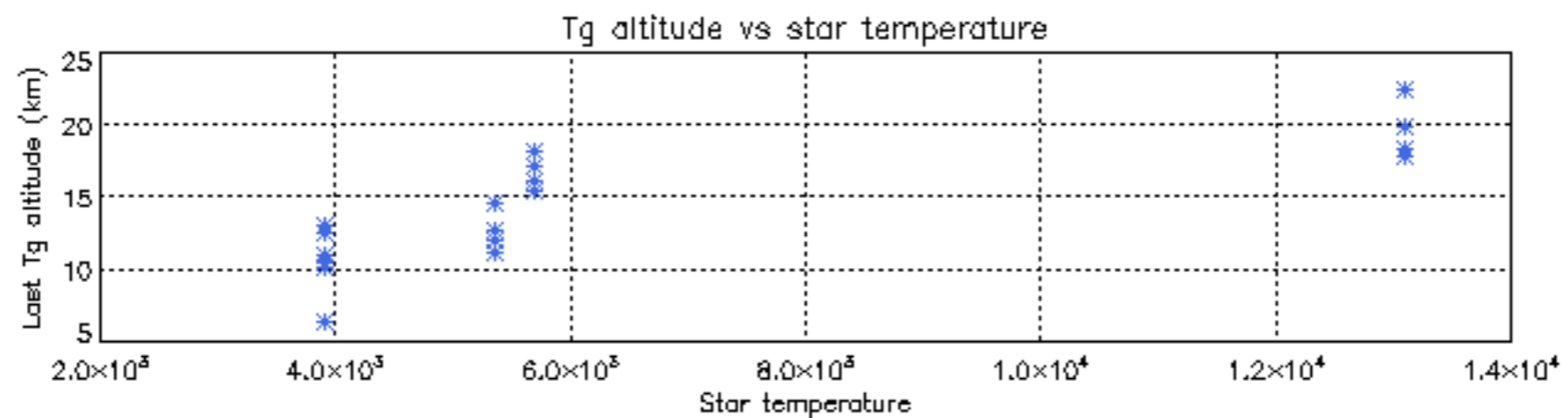
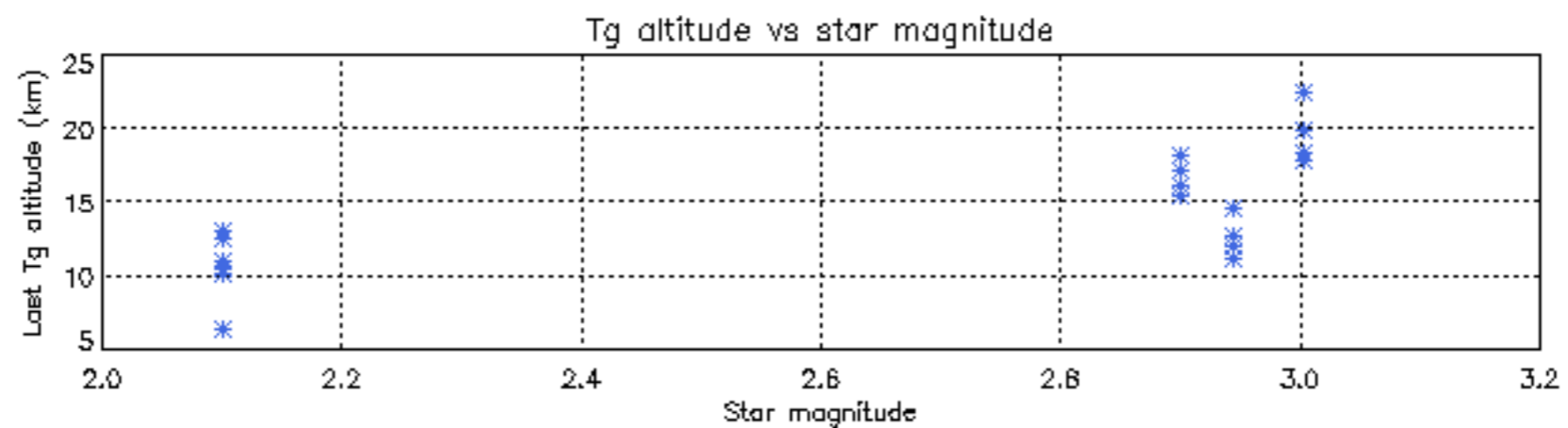
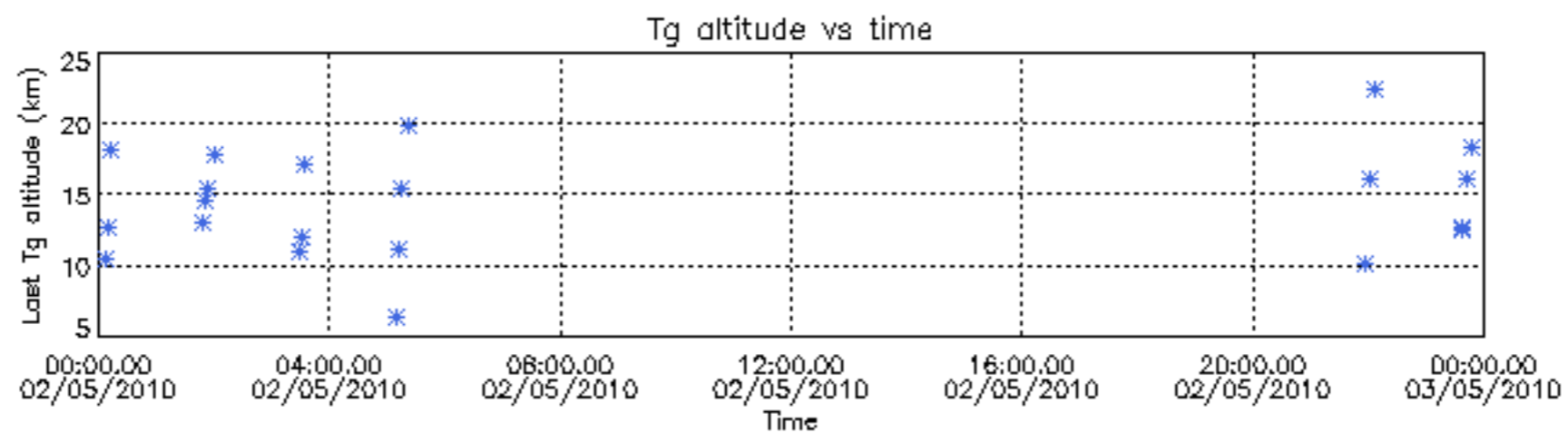
Percentage of star falling outside central band per profile



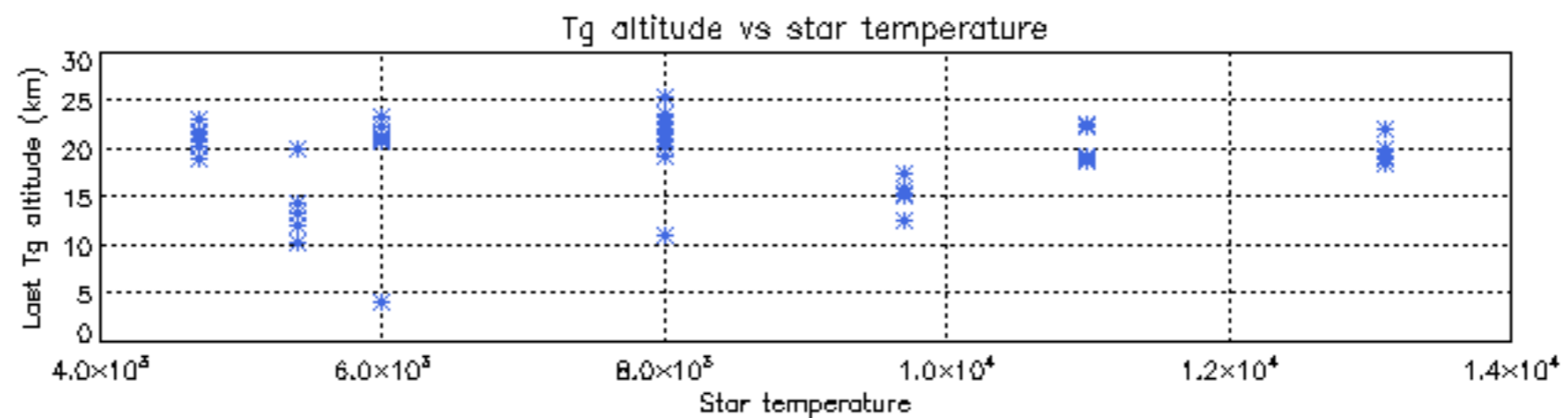
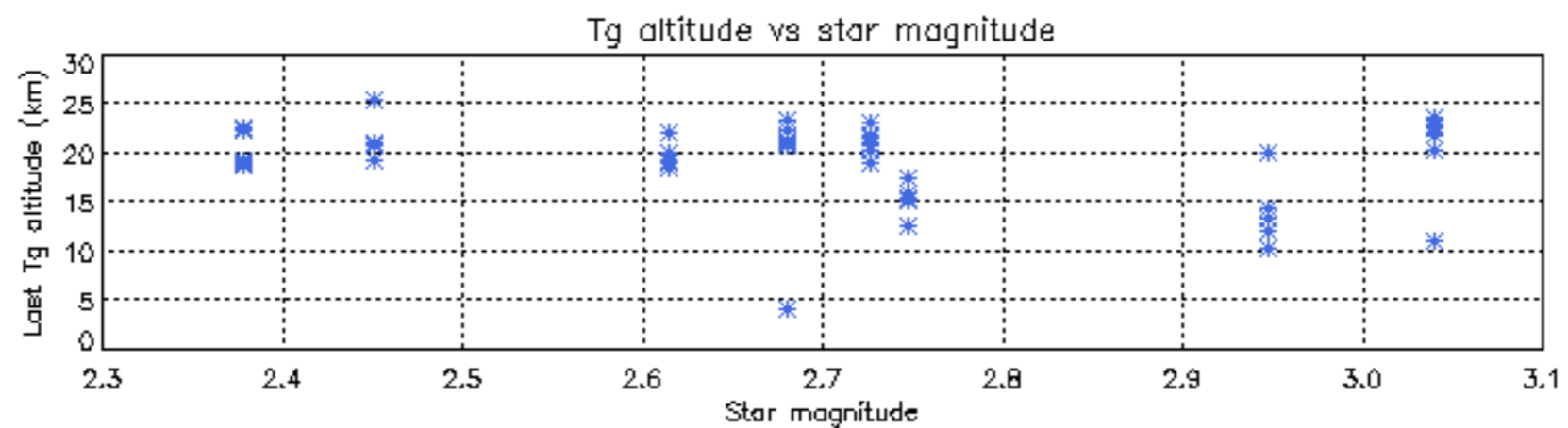
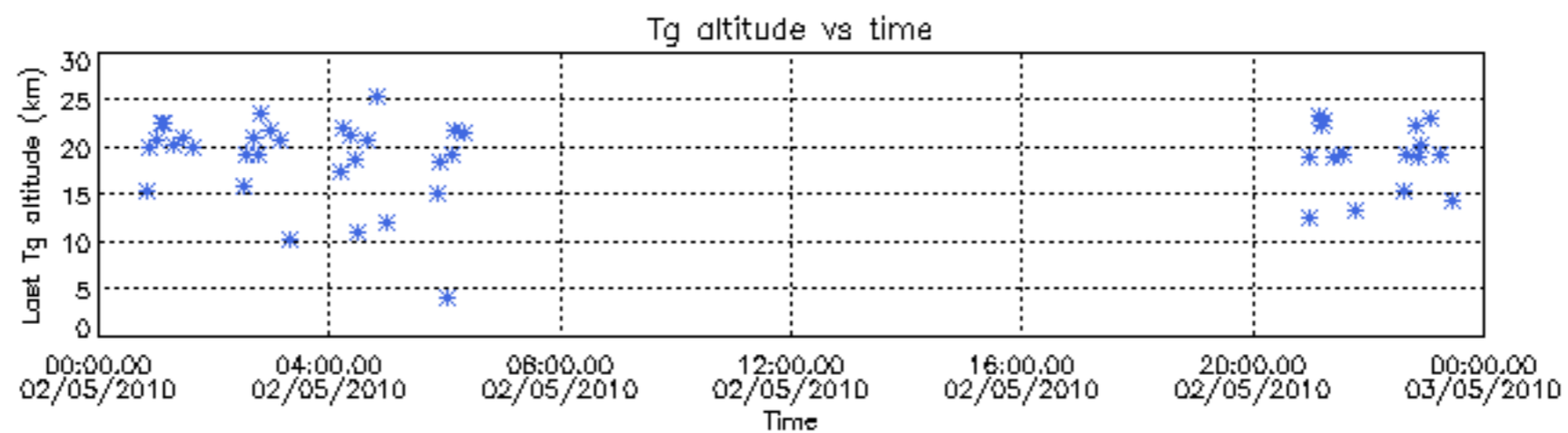
Percentage of saturation errors per profile



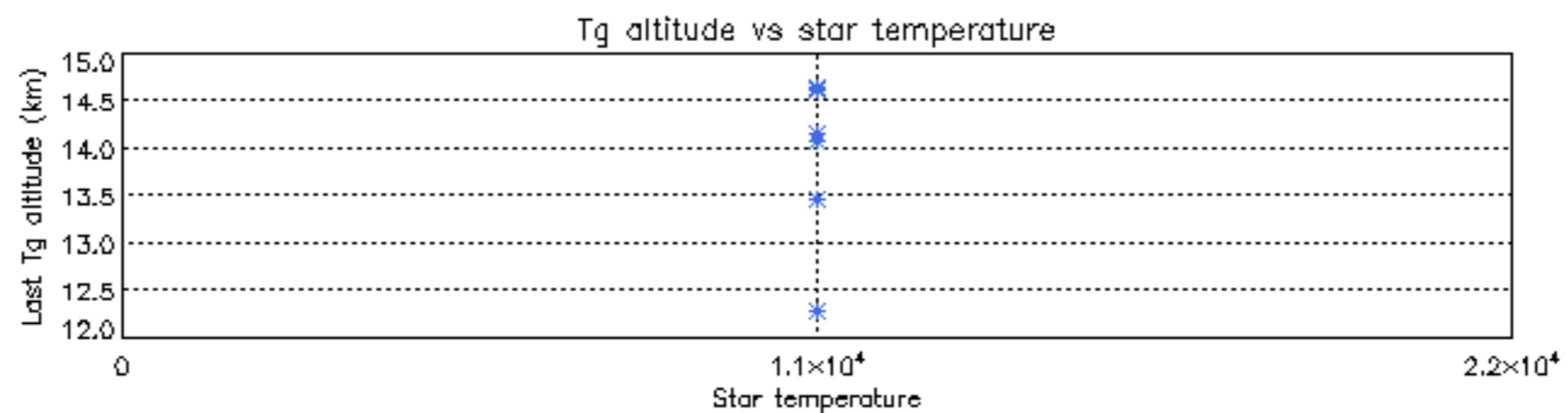
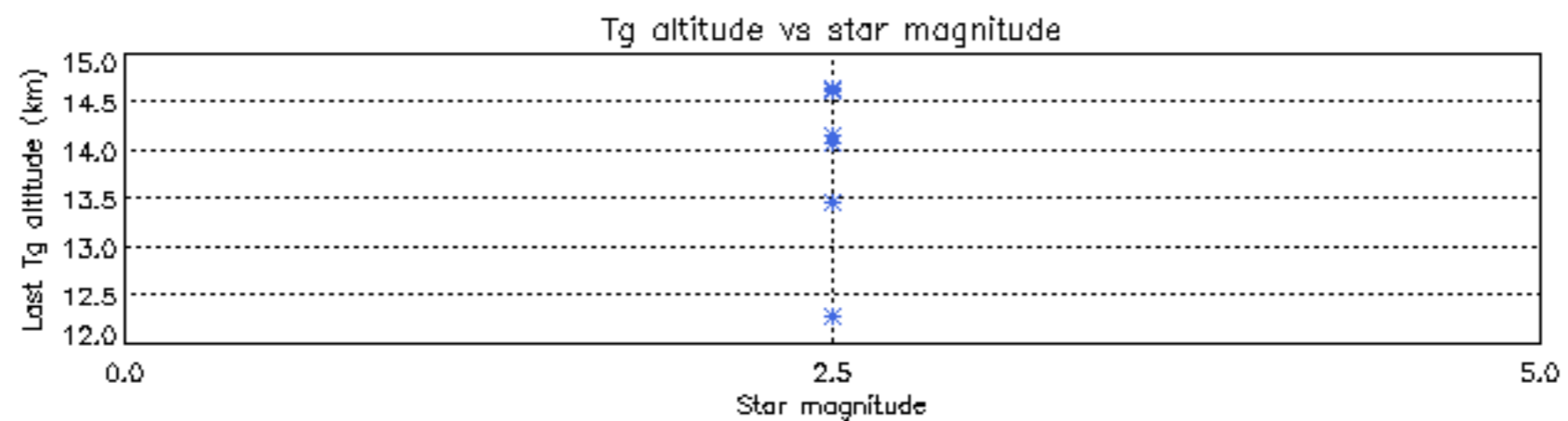
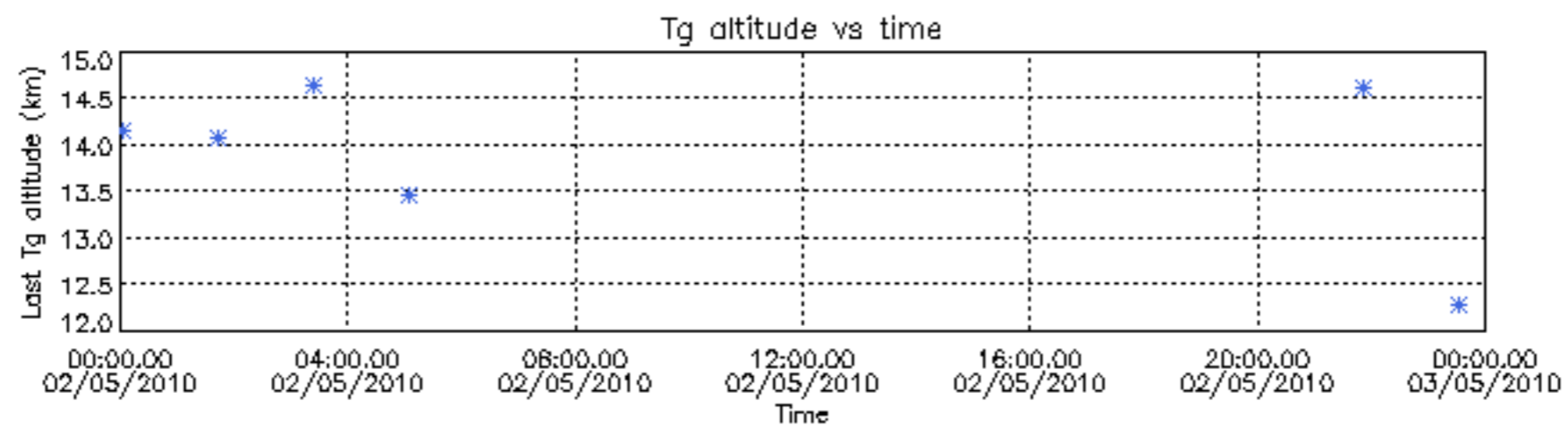
Tangent altitude at which the star is lost



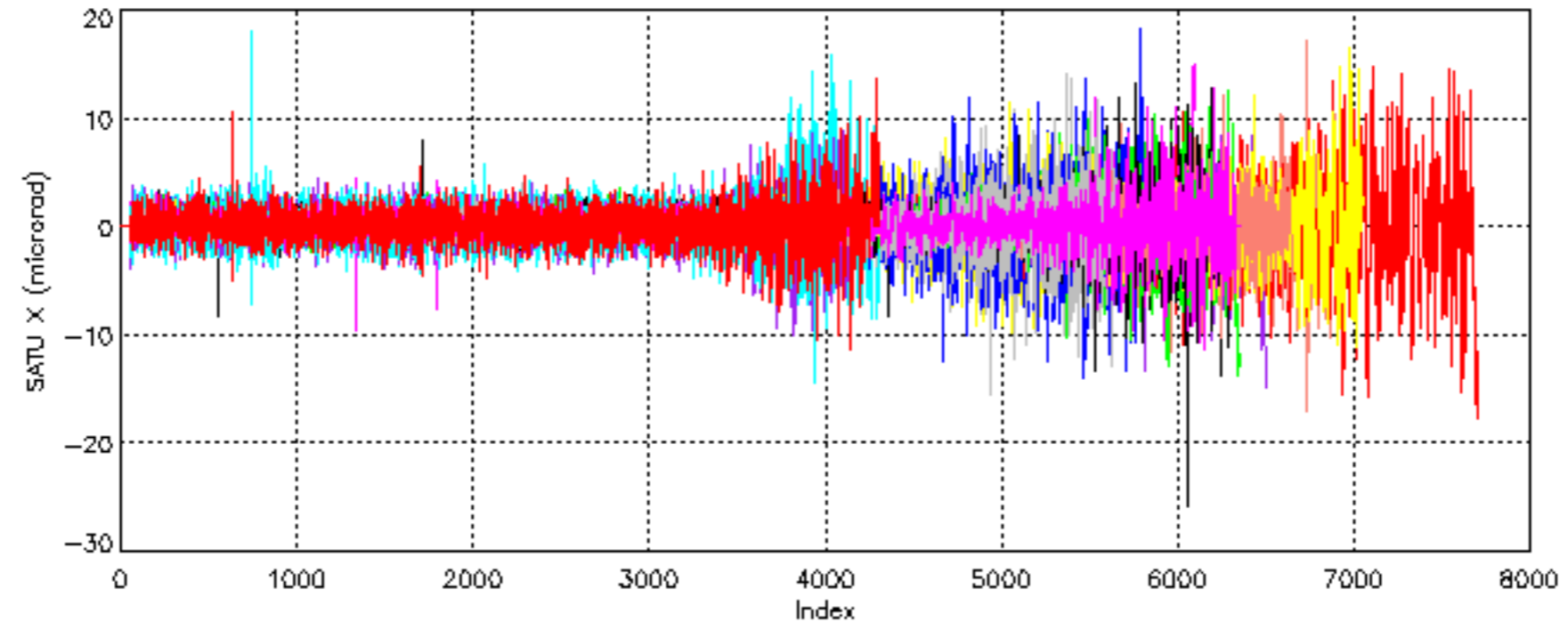
Tangent altitude at which the star is lost

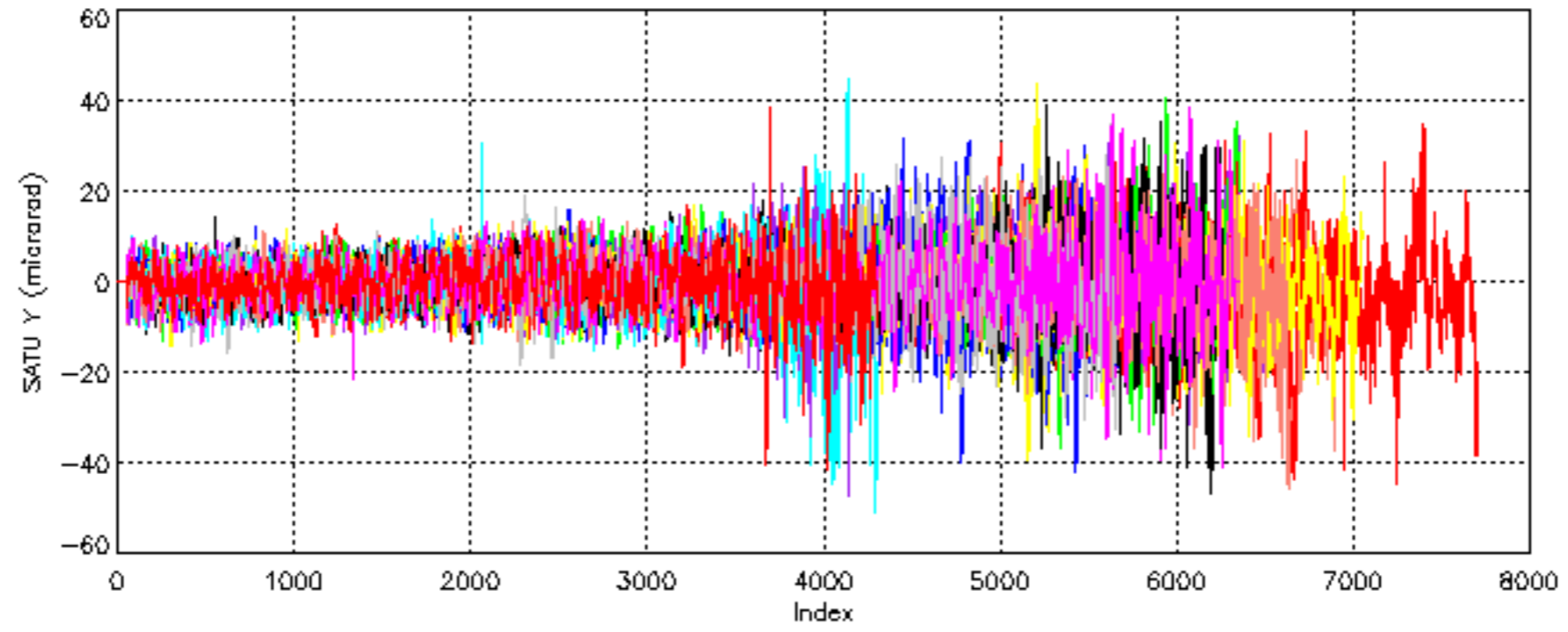


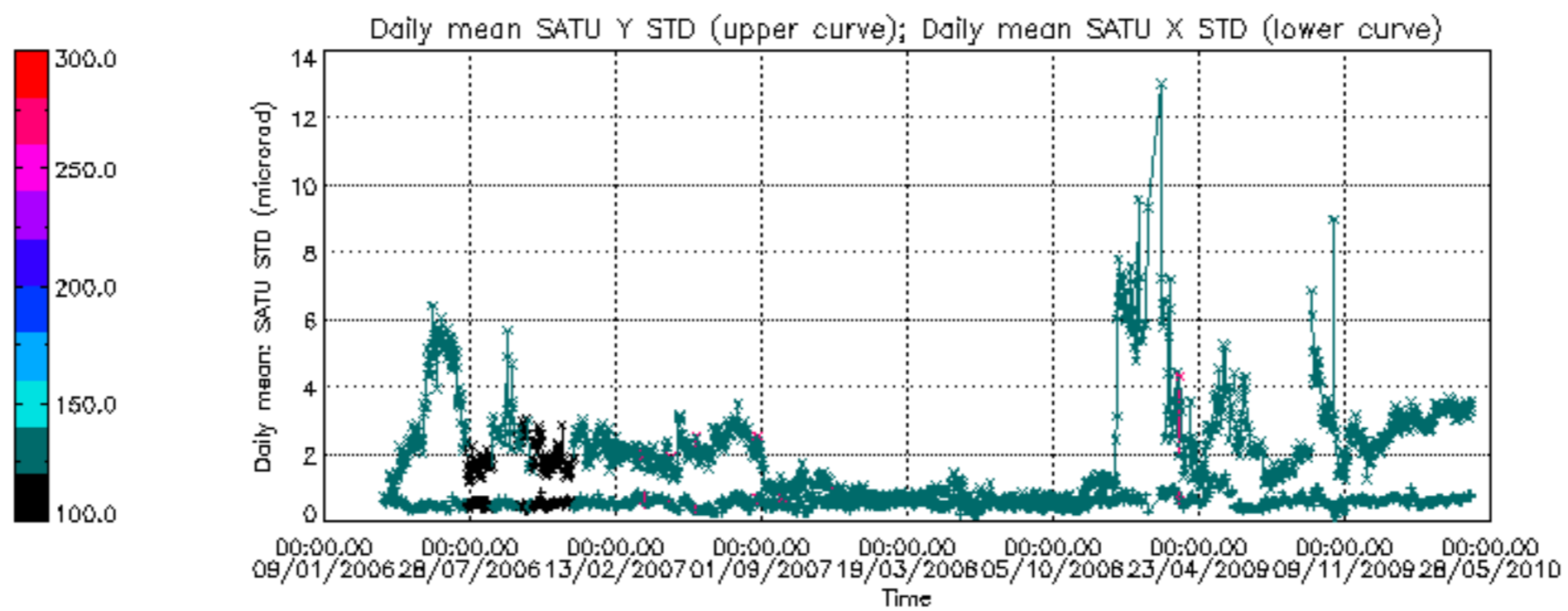
Tangent altitude at which the star is lost











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1; -637.9; 01-MAY-2010 00:44:01; Dark ; 61.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 123; 0;42698  
 2; -480.7; 01-MAY-2010 00:46:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42698  
 3; 634.8; 01-MAY-2010 01:05:14; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42699  
 4; 745.6; 01-MAY-2010 01:07:04; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42699  
 5; 850.6; 01-MAY-2010 01:08:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42699  
 6; 1038.5; 01-MAY-2010 01:11:57; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42699  
 7; 1264.4; 01-MAY-2010 01:15:43; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42699  
 8; 1399.6; 01-MAY-2010 01:17:58; Dark ; 58.5; 80; 7Del Sco ; 2.32; 30000;occ; 117; 0;42699  
 9; 1590.0; 01-MAY-2010 01:21:09; Bright; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;42699  
 10; 1728.2; 01-MAY-2010 01:23:27; Bright; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;42699  
 11; 2233.6; 01-MAY-2010 01:31:52; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42699  
 12; 2456.5; 01-MAY-2010 01:35:35; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42699  
 13; 2637.1; 01-MAY-2010 01:38:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42699  
 14; 2770.6; 01-MAY-2010 01:40:49; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;42699  
 15; 3211.4; 01-MAY-2010 01:48:10; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42699  
 16; 3829.0; 01-MAY-2010 01:58:28; Bright; 50.5; 89; 5Alp Cep ; 2.45; 8000;occ; 101; 0;42699  
 17; 4140.5; 01-MAY-2010 02:03:39; Bright; 32.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 64; 0;42699  
 18; 4508.1; 01-MAY-2010 02:09:47; Dark ; 51.5; 164; 44Eta Peg ; 2.95; 5400;occ; 103; 0;42699  
 19; 4773.4; 01-MAY-2010 02:14:12; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42699  
 20; 5030.5; 01-MAY-2010 02:18:29; Dark ; 54.5; 61; 8Eps Peg ; 2.10; 3900;occ; 109; 0;42699

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 3; -636.8; 01-MAY-2010 02:24:38; Dark ; 62.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 124; 0;42699  
 4; -479.6; 01-MAY-2010 02:27:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42699  
 5; 635.3; 01-MAY-2010 02:45:50; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42700  
 6; 746.6; 01-MAY-2010 02:47:41; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42700  
 7; 851.7; 01-MAY-2010 02:49:26; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42700  
 8; 1039.1; 01-MAY-2010 02:52:34; Dark ; 64.5; 75; 26Eps Sco ; 2.29; 4250;occ; 129; 0;42700  
 9; 1264.8; 01-MAY-2010 02:56:19; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42700  
 10; 1400.2; 01-MAY-2010 02:58:35; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42700  
 11; 1590.1; 01-MAY-2010 03:01:45; Bright; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;42700  
 12; 1728.1; 01-MAY-2010 03:04:03; Bright; 50.5; 104; 27Bet Lib ; 2.61; 13100;occ; 101; 0;42700  
 13; 2233.6; 01-MAY-2010 03:12:28; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42700  
 14; 2456.1; 01-MAY-2010 03:16:11; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;42700  
 15; 2636.6; 01-MAY-2010 03:19:11; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42700  
 16; 2770.8; 01-MAY-2010 03:21:25; Bright; 40.0; 39; 85Eta UMA ; 1.85; 24000;occ; 80; 0;42700  
 17; 3210.9; 01-MAY-2010 03:28:46; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42700

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1; -2207.4; 01-MAY-2010 03:39:03; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42700  
 2; -1895.8; 01-MAY-2010 03:44:15; Bright; 27.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 54; 0;42700  
 3; -1527.6; 01-MAY-2010 03:50:23; Dark ; 50.5; 164; 44Eta Peg ; 2.95; 5400;occ; 101; 0;42700  
 4; -1262.2; 01-MAY-2010 03:54:48; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42700  
 5; -1004.5; 01-MAY-2010 03:59:06; Dark ; 66.5; 61; 8Eps Peg ; 2.10; 3900;occ; 133; 0;42700  
 6; -858.3; 01-MAY-2010 04:01:32; Dark ; 54.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 108; 0;42700  
 7; -635.9; 01-MAY-2010 04:05:15; Dark ; 59.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 118; 0;42700  
 8; -478.4; 01-MAY-2010 04:07:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42700  
 9; -239.1; 01-MAY-2010 04:11:52; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42700  
 10; 635.9; 01-MAY-2010 04:26:27; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42701  
 11; 747.2; 01-MAY-2010 04:28:18; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42701  
 12; 852.4; 01-MAY-2010 04:30:03; Dark ; 55.5; 25; 35Lam Sco ; 1.62; 28000;occ; 111; 0;42701  
 13; 1039.9; 01-MAY-2010 04:33:11; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42701  
 14; 1265.2; 01-MAY-2010 04:36:56; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42701  
 15; 1400.2; 01-MAY-2010 04:39:11; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42701  
 16; 1590.1; 01-MAY-2010 04:42:21; Bright; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;42701  
 17; 1728.1; 01-MAY-2010 04:44:39; Bright; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;42701  
 18; 2233.3; 01-MAY-2010 04:53:04; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;42701  
 19; 2455.6; 01-MAY-2010 04:56:46; Bright; 47.5; 83; ; 2.38; 11000;occ; 95; 0;42701  
 20; 2635.9; 01-MAY-2010 04:59:47; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;42701  
 21; 2770.2; 01-MAY-2010 05:02:01; Bright; 37.5; 39; 85Eta UMA ; 1.85; 24000;occ; 75; 0;42701  
 22; 3210.0; 01-MAY-2010 05:09:21; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42701

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 2; -1896.2; 01-MAY-2010 05:24:50; Bright; 27.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 54; 0;42701  
 3; -1527.4; 01-MAY-2010 05:30:59; Dark ; 51.0; 164; 44Eta Peg ; 2.95; 5400;occ; 102; 0;42701  
 4; -1262.2; 01-MAY-2010 05:35:24; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42701  
 5; -1003.5; 01-MAY-2010 05:39:43; Dark ; 62.5; 61; 8Eps Peg ; 2.10; 3900;occ; 125; 0;42701



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7; -634.5; 01-MAY-2010 05:45:52; Dark ; 61.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 122; 0;42701
8; -477.2; 01-MAY-2010 05:48:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42701
9; -238.3; 01-MAY-2010 05:52:28; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;42701
10; 636.8; 01-MAY-2010 06:07:03; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42702
11; 748.3; 01-MAY-2010 06:08:55; Dark ; 59.0; 40; The Sco ; 1.86; 7100;occ; 118; 0;42702
12; 853.3; 01-MAY-2010 06:10:40; Dark ; 61.5; 25; 35Lam Sco ; 1.62; 28000;occ; 123; 0;42702
13; 1040.7; 01-MAY-2010 06:13:47; Dark ; 61.5; 75; 26Eps Sco ; 2.29; 4250;occ; 123; 0;42702
14; 1266.1; 01-MAY-2010 06:17:33; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42702
15; 1400.5; 01-MAY-2010 06:19:47; Dark ; 61.0; 80; 7Del Sco ; 2.32; 30000;occ; 122; 0;42702
16; 1590.3; 01-MAY-2010 06:22:57; Bright; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;42702
17; 1728.2; 01-MAY-2010 06:25:15; Bright; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;42702
18; 2233.1; 01-MAY-2010 06:33:40; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42702
19; 2455.2; 01-MAY-2010 06:37:22; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42702
20; 2635.6; 01-MAY-2010 06:40:22; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;42702
21; 2770.3; 01-MAY-2010 06:42:37; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42702
22; 3209.5; 01-MAY-2010 06:49:56; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;42702
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3; 1269.7; 01-MAY-2010 19:42:24; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42710
4; 1403.0; 01-MAY-2010 19:44:37; Dark ; 57.5; 80; 7Del Sco ; 2.32; 30000;occ; 115; 0;42710
5; 1591.3; 01-MAY-2010 19:47:46; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42710
6; 1727.9; 01-MAY-2010 19:50:02; Bright; 48.0; 104; 27Bet Lib ; 2.61; 13100;occ; 96; 0;42710
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8; 2450.9; 01-MAY-2010 20:02:05; Bright; 46.5; 83; ; 2.38; 11000;occ; 93; 0;42710
9; 2632.0; 01-MAY-2010 20:05:06; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42710
10; 2768.3; 01-MAY-2010 20:07:23; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;42710
11; 3204.3; 01-MAY-2010 20:14:39; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42710
12; 3825.4; 01-MAY-2010 20:25:00; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;42710
13; 4509.7; 01-MAY-2010 20:36:24; Dark ; 49.5; 164; 44Eta Peg ; 2.95; 5400;occ; 99; 0;42710
14; 4776.8; 01-MAY-2010 20:40:51; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42710
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3; -623.1; 01-MAY-2010 20:51:27; Dark ; 62.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 125; 0;42710
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5; -232.0; 01-MAY-2010 20:57:58; Dark ; 43.5; 172; Gam Gru ; 3.00; 13100;occ; 87; 0;42710
6; 642.3; 01-MAY-2010 21:12:32; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42711
7; 756.0; 01-MAY-2010 21:14:26; Dark ; 60.5; 40; The Sco ; 1.86; 7100;occ; 121; 0;42711
8; 862.2; 01-MAY-2010 21:16:12; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;42711
9; 1046.9; 01-MAY-2010 21:19:17; Dark ; 63.5; 75; 26Eps Sco ; 2.29; 4250;occ; 127; 0;42711
10; 1270.3; 01-MAY-2010 21:23:00; Dark ; 68.5; 16; 21Alp Sco ; 1.02; 3000;occ; 137; 0;42711
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13; 1727.6; 01-MAY-2010 21:30:38; Bright; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;42711
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15; 2450.2; 01-MAY-2010 21:42:40; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42711
16; 2631.5; 01-MAY-2010 21:45:42; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42711
17; 2769.3; 01-MAY-2010 21:47:59; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42711
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19; 3825.1; 01-MAY-2010 22:05:35; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42711
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3; 642.7; 01-MAY-2010 22:53:09; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42712
4; 757.1; 01-MAY-2010 22:55:03; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42712
5; 862.9; 01-MAY-2010 22:56:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42712
6; 1047.6; 01-MAY-2010 22:59:54; Dark ; 60.5; 75; 26Eps Sco ; 2.29; 4250;occ; 121; 0;42712
7; 1270.7; 01-MAY-2010 23:03:37; Dark ; 80.0; 16; 21Alp Sco ; 1.02; 3000;occ; 160; 0;42712
8; 1403.6; 01-MAY-2010 23:05:50; Dark ; 60.5; 80; 7Del Sco ; 2.32; 30000;occ; 121; 0;42712
9; 1591.3; 01-MAY-2010 23:08:57; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;42712
10; 1727.4; 01-MAY-2010 23:11:13; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;42712

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12; 2449.8; 01-MAY-2010 23:23:16; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42712
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18; 2617.2; 04-MAY-2010 06:45:49; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42745
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 13; 1413.2; 04-MAY-2010 08:06:21; Dark ; 56.5; 80; 7Del Sco ; 2.32; 30000;occ; 113; 0;42746  
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 4; 2617.0; 04-MAY-2010 08:26:25; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42746  
 5; 3182.7; 04-MAY-2010 08:35:51; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42746  
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 6; 3813.7; 04-MAY-2010 10:26:57; Bright; 62.0; 89; 5Alp Cep ; 2.45; 8000;occ; 124; 0;42747  
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 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  
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 8; 4545.0; 04-MAY-2010 12:19:45; Dark ; 51.0; 93; 53Bet Peg ; 2.52; 3100;occ; 102; 0;42748  
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 2; -1486.2; 06-MAY-2010 06:14:48; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42773  
 3; -1237.2; 06-MAY-2010 06:18:57; Dark ; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;42773  
 4; -793.7; 06-MAY-2010 06:26:20; Dark ; 59.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 119; 0;42773  
 5; -386.7; 06-MAY-2010 06:33:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42773  
 6; -181.7; 06-MAY-2010 06:36:32; Dark ; 43.5; 172; Gam Gru ; 3.00; 13100;occ; 87; 0;42773  
 7; 781.8; 06-MAY-2010 06:52:36; Dark ; 71.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 142; 0;42774  
 8; 918.4; 06-MAY-2010 06:54:52; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42774  
 9; 1088.5; 06-MAY-2010 06:57:42; Dark ; 57.5; 75; 26Eps Sco ; 2.29; 4250;occ; 115; 0;42774  
 10; 1298.9; 06-MAY-2010 07:01:13; Dark ; 67.0; 16; 21Alp Sco ; 1.02; 3000;occ; 134; 0;42774  
 11; 1420.8; 06-MAY-2010 07:03:15; Dark ; 56.5; 80; 7Del Sco ; 2.32; 30000;occ; 113; 0;42774  
 12; 1598.4; 06-MAY-2010 07:06:12; Bright; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;42774  
 13; 1725.3; 06-MAY-2010 07:08:19; Bright; 31.5; 104; 27Bet Lib ; 2.61; 13100;occ; 63; 0;42774

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1; 1725.3; 06-MAY-2010 07:08:19; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42774  
 2; 2105.0; 06-MAY-2010 07:14:39; Bright; 56.5; 102; 24Alp Ser ; 2.60; 4250;occ; 113; 0;42774  
 3; 2248.0; 06-MAY-2010 07:17:02; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;42774  
 4; 2422.5; 06-MAY-2010 07:19:56; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42774  
 5; 2517.9; 06-MAY-2010 07:21:32; Bright; 48.5; 67; 5Alp CrB ; 2.22; 11000;occ; 97; 0;42774  
 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774  
 7; 3804.7; 06-MAY-2010 07:42:59; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42774  
 8; 4550.1; 06-MAY-2010 07:55:24; Dark ; 53.0; 93; 53Bet Peg ; 2.52; 3100;occ; 106; 0;42774  
 9; 4799.0; 06-MAY-2010 07:59:33; Dark ; 48.0; 90; 54Alp Peg ; 2.49; 11000;occ; 96; 0;42774  
 10; 5243.4; 06-MAY-2010 08:06:57; Dark ; 59.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 119; 0;42774  
 11; 5650.6; 06-MAY-2010 08:13:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42774  
 12; 5855.2; 06-MAY-2010 08:17:09; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42774  
 13; 6818.6; 06-MAY-2010 08:33:12; Dark ; 65.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 131; 0;42775  
 14; 6955.2; 06-MAY-2010 08:35:29; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42775  
 15; 7125.2; 06-MAY-2010 08:38:19; Dark ; 57.0; 75; 26Eps Sco ; 2.29; 4250;occ; 114; 0;42775  
 16; 7335.5; 06-MAY-2010 08:41:49; Dark ; 66.5; 16; 21Alp Sco ; 1.02; 3000;occ; 133; 0;42775  
 17; 7457.3; 06-MAY-2010 08:43:51; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42775  
 18; 7634.5; 06-MAY-2010 08:46:48; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42775  
 19; 7761.2; 06-MAY-2010 08:48:55; Bright; 43.0; 104; 27Bet Lib ; 2.61; 13100;occ; 86; 0;42775

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 2; 2104.6; 06-MAY-2010 08:55:14; Bright; 52.5; 102; 24Alp Ser ; 2.60; 4250;occ; 105; 0;42775  
 3; 2247.9; 06-MAY-2010 08:57:38; Bright; 43.0; 3; 16Alp Boo ; -0.05; 4250;occ; 86; 0;42775  
 4; 2422.0; 06-MAY-2010 09:00:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42775  
 5; 2517.2; 06-MAY-2010 09:02:07; Bright; 50.5; 67; 5Alp CrB ; 2.22; 11000;occ; 101; 0;42775  
 6; 3165.8; 06-MAY-2010 09:12:56; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42775  
 7; 3804.4; 06-MAY-2010 09:23:34; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42775  
 8; 4550.2; 06-MAY-2010 09:36:00; Dark ; 51.0; 93; 53Bet Peg ; 2.52; 3100;occ; 102; 0;42775  
 9; 4799.3; 06-MAY-2010 09:40:09; Dark ; 50.0; 90; 54Alp Peg ; 2.49; 11000;occ; 100; 0;42775  
 10; 5244.3; 06-MAY-2010 09:47:34; Dark ; 62.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 125; 0;42775  
 11; 5652.0; 06-MAY-2010 09:54:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42775  
 12; 5855.9; 06-MAY-2010 09:57:46; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42775  
 13; 6820.1; 06-MAY-2010 10:13:50; Dark ; 67.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 134; 0;42776  
 14; 6955.7; 06-MAY-2010 10:16:06; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42776  
 15; 7125.7; 06-MAY-2010 10:18:56; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42776  
 16; 7335.6; 06-MAY-2010 10:22:25; Dark ; 73.0; 16; 21Alp Sco ; 1.02; 3000;occ; 146; 0;42776  
 17; 7457.4; 06-MAY-2010 10:24:27; Dark ; 55.5; 80; 7Del Sco ; 2.32; 30000;occ; 111; 0;42776  
 18; 7634.7; 06-MAY-2010 10:27:25; Bright; 42.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 85; 0;42776

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 2; 1725.3; 06-MAY-2010 10:29:31; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42776  
 3; 2103.9; 06-MAY-2010 10:35:50; Bright; 52.5; 102; 24Alp Ser ; 2.60; 4250;occ; 105; 0;42776  
 4; 2247.6; 06-MAY-2010 10:38:13; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42776  
 5; 2421.8; 06-MAY-2010 10:41:07; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42776  
 6; 2516.5; 06-MAY-2010 10:42:42; Bright; 49.5; 67; 5Alp CrB ; 2.22; 11000;occ; 99; 0;42776  
 7; 3165.3; 06-MAY-2010 10:53:31; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42776  
 8; 3803.7; 06-MAY-2010 11:04:09; Bright; 63.0; 89; 5Alp Cep ; 2.45; 8000;occ; 126; 0;42776  
 9; 4550.5; 06-MAY-2010 11:16:36; Dark ; 61.0; 93; 53Bet Peg ; 2.52; 3100;occ; 122; 0;42776  
 10; 4799.8; 06-MAY-2010 11:20:45; Dark ; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;42776  
 11; 5245.5; 06-MAY-2010 11:28:11; Dark ; 61.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 122; 0;42776  
 12; 5653.3; 06-MAY-2010 11:34:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42776  
 13; 5856.9; 06-MAY-2010 11:38:23; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42776  
 14; 6821.2; 06-MAY-2010 11:54:27; Dark ; 66.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 133; 0;42777



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15; 6956.6; 06-MAY-2010 11:56:42; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42777
16; 7126.1; 06-MAY-2010 11:59:32; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42777
17; 7336.0; 06-MAY-2010 12:03:02; Dark ; 69.5; 16; 21Alp Sco ; 1.02; 3000;occ; 139; 0;42777
18; 7457.4; 06-MAY-2010 12:05:03; Dark ; 54.5; 80; 7Del Sco ; 2.32; 30000;occ; 109; 0;42777
19; 7635.0; 06-MAY-2010 12:08:01; Bright; 40.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 81; 0;42777
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 2; 1725.1; 06-MAY-2010 12:10:07; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42777
 3; 2103.5; 06-MAY-2010 12:16:25; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;42777
 4; 2247.6; 06-MAY-2010 12:18:49; Bright; 37.5; 3; 16Alp Boo ; -0.05; 4250;occ; 75; 0;42777
 5; 2421.1; 06-MAY-2010 12:21:43; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42777
 6; 2516.0; 06-MAY-2010 12:23:18; Bright; 52.0; 67; 5Alp CrB ; 2.22; 11000;occ; 104; 0;42777
 7; 3164.7; 06-MAY-2010 12:34:06; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42777
 8; 3803.6; 06-MAY-2010 12:44:45; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42777
 9; 4550.4; 06-MAY-2010 12:57:12; Dark ; 53.5; 93; 53Bet Peg ; 2.52; 3100;occ; 107; 0;42777
10; 4800.1; 06-MAY-2010 13:01:22; Dark ; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;42777
11; 5246.6; 06-MAY-2010 13:08:48; Dark ; 60.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 121; 0;42777
12; 5654.7; 06-MAY-2010 13:15:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42777
13; 5857.3; 06-MAY-2010 13:18:59; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;42777
14; 6822.2; 06-MAY-2010 13:35:04; Dark ; 68.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 137; 0;42778
15; 6957.8; 06-MAY-2010 13:37:19; Dark ; 57.0; 25; 35Lam Sco ; 1.62; 28000;occ; 114; 0;42778
16; 7127.2; 06-MAY-2010 13:40:09; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42778
17; 7336.6; 06-MAY-2010 13:43:38; Dark ; 70.5; 16; 21Alp Sco ; 1.02; 3000;occ; 141; 0;42778
18; 7457.9; 06-MAY-2010 13:45:39; Dark ; 57.5; 80; 7Del Sco ; 2.32; 30000;occ; 115; 0;42778
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 2; 1598.6; 06-MAY-2010 13:48:36; Bright; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;42778
 3; 1725.1; 06-MAY-2010 13:50:43; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;42778
 4; 2102.8; 06-MAY-2010 13:57:00; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;42778
 5; 2247.0; 06-MAY-2010 13:59:24; Bright; 39.5; 3; 16Alp Boo ; -0.05; 4250;occ; 79; 0;42778
 6; 2420.9; 06-MAY-2010 14:02:18; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42778
 7; 2514.8; 06-MAY-2010 14:03:52; Bright; 51.0; 67; 5Alp CrB ; 2.22; 11000;occ; 102; 0;42778
 8; 3164.1; 06-MAY-2010 14:14:42; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42778
 9; 3803.4; 06-MAY-2010 14:25:21; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42778
10; 4550.8; 06-MAY-2010 14:37:48; Dark ; 54.0; 93; 53Bet Peg ; 2.52; 3100;occ; 108; 0;42778
11; 4800.8; 06-MAY-2010 14:41:58; Dark ; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;42778
12; 5247.5; 06-MAY-2010 14:49:25; Dark ; 57.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 114; 0;42778
13; 5656.2; 06-MAY-2010 14:56:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42778
14; 5858.7; 06-MAY-2010 14:59:36; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;42778
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 1; 232.8; 06-MAY-2010 16:47:02; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42780
 2; 683.9; 06-MAY-2010 16:54:33; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42780
 3; 813.8; 06-MAY-2010 16:56:43; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42780
 4; 928.7; 06-MAY-2010 16:58:38; Dark ; 34.0; 115; 34Ups Sco ; 2.70; 26000;occ; 68; 0;42780
 5; 1092.4; 06-MAY-2010 17:01:22; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;42780
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 2; -312.9; 06-MAY-2010 23:20:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42783
 3; -99.0; 06-MAY-2010 23:23:54; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42783
 4; 235.4; 06-MAY-2010 23:29:29; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42784
 5; 686.1; 06-MAY-2010 23:36:59; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42784
 6; 816.8; 06-MAY-2010 23:39:10; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42784
 7; 932.0; 06-MAY-2010 23:41:05; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42784
 8; 1094.6; 06-MAY-2010 23:43:48; Dark ; 59.5; 75; 26Eps Sco ; 2.29; 4250;occ; 119; 0;42784
 9; 1333.9; 06-MAY-2010 23:47:47; Dark ; 25.0; 156; 20Sig Sco ; 2.90; 28000;occ; 50; 0;42784
10; 1423.3; 06-MAY-2010 23:49:16; Dark ; 52.5; 80; 7Del Sco ; 2.32; 30000;occ; 105; 0;42784
11; 1599.4; 06-MAY-2010 23:52:13; Bright; 41.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 82; 0;42784
12; 1725.1; 06-MAY-2010 23:54:18; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;42784
13; 2223.4; 07-MAY-2010 00:02:37; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42784
14; 2418.7; 07-MAY-2010 00:05:52; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42784
15; 2603.2; 07-MAY-2010 00:08:56; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42784
16; 2754.9; 07-MAY-2010 00:11:28; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42784
17; 2842.0; 07-MAY-2010 00:12:55; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42784
18; 3160.7; 07-MAY-2010 00:18:14; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42784
19; 3801.2; 07-MAY-2010 00:28:54; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42784
20; 3965.2; 07-MAY-2010 00:31:38; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;42784
21; 4551.9; 07-MAY-2010 00:41:25; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42784
22; 4802.8; 07-MAY-2010 00:45:36; Dark ; 46.5; 90; 54Alp Peg ; 2.49; 11000;occ; 93; 0;42784

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 5; 2223.4; 06-MAY-2010 17:20:13; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42780  
 6; 2420.2; 06-MAY-2010 17:23:30; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42780  
 7; 2604.4; 06-MAY-2010 17:26:34; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42780  
 8; 2755.5; 06-MAY-2010 17:29:05; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42780  
 9; 2842.1; 06-MAY-2010 17:30:32; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;42780  
 10; 3203.3; 06-MAY-2010 17:36:33; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;42780  
 11; 3802.4; 06-MAY-2010 17:46:32; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42780  
 12; 3965.7; 06-MAY-2010 17:49:15; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;42780  
 13; 4551.2; 06-MAY-2010 17:59:01; Dark ; 50.5; 93; 53Bet Peg ; 2.52; 3100;occ; 101; 0;42780  
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 15; 5585.7; 06-MAY-2010 18:16:15; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;42780  
 16; 5721.0; 06-MAY-2010 18:18:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42780  
 17; 5935.1; 06-MAY-2010 18:22:05; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;42780  
 18; 6269.2; 06-MAY-2010 18:27:39; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;42781  
 19; 6720.6; 06-MAY-2010 18:35:10; Dark ; 52.0; 141; Bet Ara ; 2.84; 4600;occ; 104; 0;42781  
 20; 6850.6; 06-MAY-2010 18:37:20; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42781  
 21; 6965.5; 06-MAY-2010 18:39:15; Dark ; 33.5; 115; 34Ups Sco ; 2.70; 26000;occ; 67; 0;42781

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 3; 1599.4; 06-MAY-2010 18:50:25; Bright; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;42781  
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 5; 2223.5; 06-MAY-2010 19:00:49; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42781  
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 11; 1599.7; 07-MAY-2010 01:32:49; Bright; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;42785  
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29; 6969.4; 07-MAY-2010 03:02:18; Dark ; 41.0; 115; 34Ups Sco ; 2.70; 26000;occ; 82; 0;42786
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33; 7635.9; 07-MAY-2010 03:13:25; Bright; 42.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 85; 0;42786
34; 7760.8; 07-MAY-2010 03:15:30; Bright; 43.5; 104; 27Bet Lib ; 2.61; 13100;occ; 87; 0;42786
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5; 4552.4; 07-MAY-2010 04:02:37; Dark ; 50.5; 93; 53Bet Peg ; 2.52; 3100;occ; 101; 0;42786
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21; 8638.2; 07-MAY-2010 05:10:43; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42787
22; 8790.4; 07-MAY-2010 05:13:15; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42787
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3;-1483.7; 07-MAY-2010 05:43:13; Dark ; 52.0; 93; 53Bet Peg ; 2.52; 3100;occ; 104; 0;42787
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19; 2601.6; 07-MAY-2010 06:51:19; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42788
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3; 1338.4; 07-MAY-2010 19:55:03; Dark ; 53.0; 156; 20Sig Sco ; 2.90; 28000;occ; 106; 0;42796
4; 1426.3; 07-MAY-2010 19:56:31; Dark ; 57.0; 80; 7Del Sco ; 2.32; 30000;occ; 114; 0;42796

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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  
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 7; 3799.0; 07-MAY-2010 10:32:28; Bright; 55.5; 89; 5Alp Cep ; 2.45; 8000;occ; 111; 0;42790
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 17; 5731.6; 07-MAY-2010 19:27:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42795  
 18; 5944.7; 07-MAY-2010 19:31:13; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;42795  
 19; 6279.9; 07-MAY-2010 19:36:48; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;42796  
 20; 6729.2; 07-MAY-2010 19:44:18; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42796  
 21; 6862.2; 07-MAY-2010 19:46:31; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42796  
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 18; 3152.1; 08-MAY-2010 01:27:04; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42799  
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 6; 829.4; 08-MAY-2010 02:28:57; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;42800  
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 8; 1104.1; 08-MAY-2010 02:33:32; Dark ; 56.0; 75; 26Eps Sco ; 2.29; 4250;occ; 112; 0;42800  
 9; 1259.9; 08-MAY-2010 02:36:08; Dark ; 29.0; 136; 23Tau Sco ; 2.82; 30000;occ; 58; 0;42800  
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 13; 1724.9; 08-MAY-2010 02:43:53; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42800  
 14; 2222.3; 08-MAY-2010 02:52:10; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;42800  
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 17; 2752.6; 08-MAY-2010 03:01:01; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42800  
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8; 246.9; 08-MAY-2010 03:59:51; Dark ; 46.0; 45; Alp Pav ; 1.94; 26000;occ; 92; 0;42801
9; 696.3; 08-MAY-2010 04:07:20; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42801
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19; 2412.2; 08-MAY-2010 06:16:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42802
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13; 3791.6; 08-MAY-2010 21:44:55; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42811
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8; 3132.1; 10-MAY-2010 15:28:54; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42836
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5; 1606.2; 10-MAY-2010 16:44:04; Bright; 38.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 77; 0;42837
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7; 2400.5; 10-MAY-2010 18:37:54; Bright; 58.0; 83; ; 2.38; 11000;occ; 116; 0;42838
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 7; 3771.7; 12-MAY-2010 09:34:32; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42861
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17; 6765.9; 12-MAY-2010 10:24:26; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42862
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 21; 5993.8; 12-MAY-2010 20:15:09; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;42867  
 22; 6329.2; 12-MAY-2010 20:20:45; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42868  
 23; 6769.2; 12-MAY-2010 20:28:05; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42868  
 24; 6915.6; 12-MAY-2010 20:30:31; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;42868  
 25; 7027.3; 12-MAY-2010 20:32:23; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42868

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 8; 2236.1; 12-MAY-2010 20:53:08; Bright; 38.5; 3; 16Alp Boo ; -0.05; 4250;occ; 77; 0;42868  
 9; 2392.6; 12-MAY-2010 20:55:44; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42868  
 10; 2579.8; 12-MAY-2010 20:58:51; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42868  
 11; 2746.7; 12-MAY-2010 21:01:38; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42868  
 12; 3115.4; 12-MAY-2010 21:07:47; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42868  
 13; 3769.1; 12-MAY-2010 21:18:41; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42868  
 14; 3963.7; 12-MAY-2010 21:21:55; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42868  
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 16; 4750.4; 12-MAY-2010 21:35:02; Dark ; 40.0; 140; 88Gam Peg ; 2.83; 26000;occ; 80; 0;42868  
 17; 4838.1; 12-MAY-2010 21:36:30; Dark ; 51.5; 90; 54Alp Peg ; 2.49; 11000;occ; 103; 0;42868

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 5; 294.2; 12-MAY-2010 22:01:22; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42869  
 6; 733.8; 12-MAY-2010 22:08:41; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;42869  
 7; 880.2; 12-MAY-2010 22:11:08; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42869  
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 11; 1443.8; 12-MAY-2010 22:20:31; Dark ; 63.0; 80; 7Del Sco ; 2.32; 30000;occ; 126; 0;42869  
 12; 1609.8; 12-MAY-2010 22:23:17; Bright; 39.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 78; 0;42869

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15; 2236.3; 12-MAY-2010 22:33:44; Bright; 37.0; 3; 16Alp Boo ;-0.05; 4250;occ; 74; 0;42869
16; 2392.5; 12-MAY-2010 22:36:20; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42869
17; 2579.7; 12-MAY-2010 22:39:27; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42869
18; 2747.0; 12-MAY-2010 22:42:14; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;42869
19; 3114.8; 12-MAY-2010 22:48:22; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42869
20; 3768.7; 12-MAY-2010 22:59:16; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42869
21; 3964.0; 12-MAY-2010 23:02:31; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42869
22; 4568.9; 12-MAY-2010 23:12:36; Dark ; 66.0; 93; 53Bet Peg ; 2.52; 3100;occ; 132; 0;42869
23; 4750.6; 12-MAY-2010 23:15:38; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42869
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5; 294.9; 12-MAY-2010 23:41:58; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42870
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7; 881.3; 12-MAY-2010 23:51:44; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42870
8; 992.9; 12-MAY-2010 23:53:36; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42870
9; 1142.2; 12-MAY-2010 23:56:05; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42870
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12; 1609.8; 13-MAY-2010 00:03:53; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42870
13; 1725.5; 13-MAY-2010 00:05:49; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;42870
14; 2061.4; 13-MAY-2010 00:11:25; Bright; 46.0; 102; 24Alp Ser ; 2.60; 4250;occ; 92; 0;42870
15; 2235.9; 13-MAY-2010 00:14:19; Bright; 39.5; 3; 16Alp Boo ;-0.05; 4250;occ; 79; 0;42870
16; 2392.3; 13-MAY-2010 00:16:55; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42870
17; 2579.7; 13-MAY-2010 00:20:03; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42870
18; 2746.2; 13-MAY-2010 00:22:49; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42870
19; 3114.2; 13-MAY-2010 00:28:57; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42870
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21; 3963.9; 13-MAY-2010 00:43:07; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42870
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23; 4750.7; 13-MAY-2010 00:56:14; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42870
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3; -39.8; 13-MAY-2010 01:16:59; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;42870
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5; 734.8; 13-MAY-2010 01:29:54; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42871
6; 881.8; 13-MAY-2010 01:32:21; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42871
7; 993.5; 13-MAY-2010 01:34:13; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42871
8; 1142.9; 13-MAY-2010 01:36:42; Dark ; 54.0; 75; 26Eps Sco ; 2.29; 4250;occ; 108; 0;42871
9; 1335.8; 13-MAY-2010 01:39:55; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42871
10; 1444.3; 13-MAY-2010 01:41:43; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42871
11; 1609.8; 13-MAY-2010 01:44:29; Bright; 39.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 79; 0;42871
12; 1725.4; 13-MAY-2010 01:46:24; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42871
13; 2061.4; 13-MAY-2010 01:52:00; Bright; 46.0; 102; 24Alp Ser ; 2.60; 4250;occ; 92; 0;42871
14; 2235.7; 13-MAY-2010 01:54:55; Bright; 40.0; 3; 16Alp Boo ;-0.05; 4250;occ; 80; 0;42871
15; 2391.9; 13-MAY-2010 01:57:31; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42871
16; 2579.3; 13-MAY-2010 02:00:38; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42871
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22; 4751.2; 13-MAY-2010 02:36:50; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;42871
23; 4839.7; 13-MAY-2010 02:38:19; Dark ; 52.0; 90; 54Alp Peg ; 2.49; 11000;occ; 104; 0;42871
24; 5645.7; 13-MAY-2010 02:51:45; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42871
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29; 6771.6; 13-MAY-2010 03:10:31; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;42872
30; 6918.1; 13-MAY-2010 03:12:57; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42872

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 37; 8097.0; 13-MAY-2010 03:32:36; Bright; 46.5; 102; 24Alp Ser ; 2.60; 4250;occ; 93; 0;42872  
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 12; 2746.5; 13-MAY-2010 02:03:26; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;42871  
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6; 2049.0; 15-MAY-2010 17:34:33; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42909
7; 2383.9; 15-MAY-2010 17:40:08; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42909
8; 2571.9; 15-MAY-2010 17:43:16; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42909
9; 3095.2; 15-MAY-2010 17:52:00; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42909
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11; 3961.5; 15-MAY-2010 18:06:26; Bright; 36.5; 74; 11Bet Cas ; 2.27; 6600;occ; 73; 0;42909
12; 4577.6; 15-MAY-2010 18:16:42; Dark ; 61.0; 93; 53Bet Peg ; 2.52; 3100;occ; 122; 0;42909
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14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42909
15; 5674.7; 15-MAY-2010 18:34:59; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;42909
16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
17; 6024.7; 15-MAY-2010 18:40:49; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;42909
18; 6358.8; 15-MAY-2010 18:46:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42910
19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
5; 1506.1; 15-MAY-2010 19:06:07; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42910

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8; 2048.6; 15-MAY-2010 19:15:09; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42910  
9; 2383.4; 15-MAY-2010 19:20:44; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42910  
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11; 3094.9; 15-MAY-2010 19:32:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42910  
12; 3751.2; 15-MAY-2010 19:43:32; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42910  
13; 3961.8; 15-MAY-2010 19:47:02; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42910  
14; 4513.2; 15-MAY-2010 19:56:14; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42910  
15; 4762.3; 15-MAY-2010 20:00:23; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42910  
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21; 6791.7; 15-MAY-2010 20:34:12; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42911  
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23; 7056.7; 15-MAY-2010 20:38:37; Dark ; 17.0; 25; 35Lam Sco ; 1.62; 28000;occ; 34; 0;42911

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3; 1162.2; 15-MAY-2010 20:40:59; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42911  
4; 1349.0; 15-MAY-2010 20:44:05; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42911  
5; 1506.3; 15-MAY-2010 20:46:43; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42911  
6; 1726.9; 15-MAY-2010 20:50:23; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42911  
7; 1857.7; 15-MAY-2010 20:52:34; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42911  
8; 2048.5; 15-MAY-2010 20:55:45; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42911  
9; 2383.4; 15-MAY-2010 21:01:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42911  
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11; 3094.2; 15-MAY-2010 21:13:11; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42911  
12; 3750.7; 15-MAY-2010 21:24:07; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42911  
13; 3961.6; 15-MAY-2010 21:27:38; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42911  
14; 4513.5; 15-MAY-2010 21:36:50; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42911  
15; 4762.1; 15-MAY-2010 21:40:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;42911  
16; 4860.0; 15-MAY-2010 21:42:36; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42911

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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  
7; 1021.3; 15-MAY-2010 22:19:14; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42912  
8; 1162.9; 15-MAY-2010 22:21:35; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42912  
9; 1348.9; 15-MAY-2010 22:24:41; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;42912  
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11; 1727.0; 15-MAY-2010 22:30:59; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42912  
12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912  
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14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912  
15; 2571.3; 15-MAY-2010 22:45:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42912  
16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912  
17; 3750.1; 15-MAY-2010 23:04:42; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42912  
18; 3961.8; 15-MAY-2010 23:08:14; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42912  
19; 4513.6; 15-MAY-2010 23:17:26; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42912  
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4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913  
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913  
6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913  
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8; 1163.1; 16-MAY-2010 00:02:11; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42913  
9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913  
10; 1506.5; 16-MAY-2010 00:07:55; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;42913

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 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913  
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 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913  
 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913  
 17; 3749.7; 16-MAY-2010 00:45:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42913  
 18; 3961.8; 16-MAY-2010 00:48:50; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;42913  
 19; 4514.0; 16-MAY-2010 00:58:02; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42913  
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 14; 2382.8; 16-MAY-2010 02:03:07; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;42914  
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 26; 6794.1; 16-MAY-2010 03:16:38; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42915  
 27; 6969.1; 16-MAY-2010 03:19:33; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42915  
 28; 7059.2; 16-MAY-2010 03:21:03; Dark ; 56.0; 25; 35Lam Sco ; 1.62; 28000;occ; 112; 0;42915  
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17; 6803.2; 17-MAY-2010 11:08:10; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;42934

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 17; 6804.0; 17-MAY-2010 12:48:47; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;42935  
 18; 6987.5; 17-MAY-2010 12:51:50; Dark ; 53.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 106; 0;42935  
 19; 7072.0; 17-MAY-2010 12:53:15; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;42935  
 20; 7209.0; 17-MAY-2010 12:55:32; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42935  
 21; 7392.1; 17-MAY-2010 12:58:35; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42935  
 22; 7546.1; 17-MAY-2010 13:01:09; Bright; 44.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 88; 0;42935

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 4; 2379.3; 17-MAY-2010 13:15:38; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;42935  
 5; 2568.0; 17-MAY-2010 13:18:46; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;42935  
 6; 3083.0; 17-MAY-2010 13:27:21; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;42935  
 7; 3740.0; 17-MAY-2010 13:38:18; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42935  
 8; 3960.1; 17-MAY-2010 13:41:59; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42935  
 9; 4517.4; 17-MAY-2010 13:51:16; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;42935  
 10; 4769.7; 17-MAY-2010 13:55:28; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42935  
 11; 4873.0; 17-MAY-2010 13:57:11; Dark ; 53.5; 90; 54Alp Peg ; 2.49; 11000;occ; 107; 0;42935  
 12; 5696.0; 17-MAY-2010 14:10:54; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;42935  
 13; 5846.3; 17-MAY-2010 14:13:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42935  
 14; 5953.5; 17-MAY-2010 14:15:12; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42935  
 15; 6044.6; 17-MAY-2010 14:16:43; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42935  
 16; 6376.6; 17-MAY-2010 14:22:15; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42936  
 17; 6804.3; 17-MAY-2010 14:29:23; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42936  
 18; 6988.8; 17-MAY-2010 14:32:27; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42936  
 19; 7072.5; 17-MAY-2010 14:33:51; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;42936  
 20; 7209.4; 17-MAY-2010 14:36:08; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;42936  
 21; 7392.6; 17-MAY-2010 14:39:11; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;42936

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 3; 1852.5; 17-MAY-2010 14:47:27; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42936  
 4; 2041.8; 17-MAY-2010 14:50:36; Bright; 43.0; 102; 24Alp Ser ; 2.60; 4250;occ; 86; 0;42936  
 5; 2379.1; 17-MAY-2010 14:56:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;42936  
 6; 2567.7; 17-MAY-2010 14:59:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42936  
 7; 3082.8; 17-MAY-2010 15:07:57; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;42936  
 8; 3739.3; 17-MAY-2010 15:18:54; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;42936  
 9; 3960.5; 17-MAY-2010 15:22:35; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42936  
 10; 4517.7; 17-MAY-2010 15:31:52; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;42936  
 11; 4770.0; 17-MAY-2010 15:36:04; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42936  
 12; 4873.5; 17-MAY-2010 15:37:48; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42936  
 13; 5696.9; 17-MAY-2010 15:51:31; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;42936  
 14; 5847.3; 17-MAY-2010 15:54:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42936  
 15; 5954.4; 17-MAY-2010 15:55:49; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;42936  
 16; 6045.5; 17-MAY-2010 15:57:20; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;42937  
 17; 6377.6; 17-MAY-2010 16:02:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42937  
 18; 6805.2; 17-MAY-2010 16:10:00; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42937  
 19; 6989.7; 17-MAY-2010 16:13:04; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42937  
 20; 7073.4; 17-MAY-2010 16:14:28; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;42937  
 21; 7210.1; 17-MAY-2010 16:16:44; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;42937

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 3; 1728.4; 17-MAY-2010 16:25:59; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;42937  
 4; 1852.4; 17-MAY-2010 16:28:03; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42937  
 5; 2041.6; 17-MAY-2010 16:31:12; Bright; 43.5; 102; 24Alp Ser ; 2.60; 4250;occ; 87; 0;42937  
 6; 2378.8; 17-MAY-2010 16:36:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42937  
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 8; 3082.2; 17-MAY-2010 16:48:33; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42937  
 9; 3738.9; 17-MAY-2010 16:59:29; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42937  
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 11; 4518.1; 17-MAY-2010 17:12:28; Dark ; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;42937  
 12; 4770.2; 17-MAY-2010 17:16:41; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42937  
 13; 4874.1; 17-MAY-2010 17:18:24; Dark ; 57.5; 90; 54Alp Peg ; 2.49; 11000;occ; 115; 0;42937  
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 15; 5848.2; 17-MAY-2010 17:34:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42937  
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 17; 6046.3; 17-MAY-2010 17:37:57; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42938  
 18; 6378.5; 17-MAY-2010 17:43:29; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42938  
 19; 6805.5; 17-MAY-2010 17:50:36; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42938  
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 8; 2378.9; 17-MAY-2010 18:17:25; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42938  
 9; 2567.5; 17-MAY-2010 18:20:34; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42938  
 10; 3081.5; 17-MAY-2010 18:29:08; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42938  
 11; 3738.1; 17-MAY-2010 18:40:04; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42938  
 12; 3959.9; 17-MAY-2010 18:43:46; Bright; 35.5; 74; 11Bet Cas ; 2.27; 6600;occ; 71; 0;42938  
 13; 4518.1; 17-MAY-2010 18:53:04; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42938  
 14; 4770.3; 17-MAY-2010 18:57:17; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;42938  
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 17; 5849.1; 17-MAY-2010 19:15:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42938  
 18; 5955.7; 17-MAY-2010 19:17:02; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42938  
 19; 6047.2; 17-MAY-2010 19:18:34; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;42939  
 20; 6378.9; 17-MAY-2010 19:24:05; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42939  
 21; 6805.9; 17-MAY-2010 19:31:12; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42939  
 22; 6991.0; 17-MAY-2010 19:34:17; Dark ; 16.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 33; 0;42939

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 4; 13.3; 18-MAY-2010 00:20:23; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;42942  
 5; 344.9; 18-MAY-2010 00:25:55; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42942  
 6; 771.3; 18-MAY-2010 00:33:01; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42942  
 7; 928.4; 18-MAY-2010 00:35:38; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;42942  
 8; 1040.4; 18-MAY-2010 00:37:30; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;42942  
 9; 1176.1; 18-MAY-2010 00:39:46; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;42942  
 10; 1358.5; 18-MAY-2010 00:42:48; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42942  
 11; 1511.3; 18-MAY-2010 00:45:21; Bright; 46.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 93; 0;42942  
 12; 1728.4; 18-MAY-2010 00:48:58; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42942  
 13; 1851.5; 18-MAY-2010 00:51:01; Bright; 48.0; 120; 1Del Oph ; 2.73; 3200;occ; 96; 0;42942  
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 15; 2378.2; 18-MAY-2010 00:59:48; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42942  
 16; 2566.7; 18-MAY-2010 01:02:57; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;42942  
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3; -77.8; 18-MAY-2010 01:59:28; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;42942
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5; 346.0; 18-MAY-2010 02:06:32; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42943
6; 774.6; 18-MAY-2010 02:13:40; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42943
7; 928.9; 18-MAY-2010 02:16:15; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42943
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13; 1851.3; 18-MAY-2010 02:31:37; Bright; 48.0; 120; 1Del Oph ; 2.73; 3200;occ; 96; 0;42943
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9; 15.1; 18-MAY-2010 03:41:37; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;42944
10; 346.8; 18-MAY-2010 03:47:09; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42944
11; 836.7; 18-MAY-2010 03:55:19; Dark ; 43.5; 147; Alp Ara ; 2.88; 26000;occ; 87; 0;42944
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9; 377.3; 21-MAY-2010 03:53:24; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42987
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 4; 2372.5; 21-MAY-2010 12:49:39; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;42992  
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17; 3055.8; 21-MAY-2010 23:04:38; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;42998

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13; 1843.0; 22-MAY-2010 00:25:01; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;42999
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15; 2371.3; 22-MAY-2010 00:33:49; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;42999
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12; 1374.9; 22-MAY-2010 03:38:24; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;43001
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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
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 17; 2371.5; 22-MAY-2010 05:35:37; Bright; 53.0; 83; ; 2.38; 11000;occ; 106; 0;43002  
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 19; 3054.1; 22-MAY-2010 05:47:00; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43002  
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 4; 2371.1; 22-MAY-2010 08:56:49; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43004  
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 6; 3053.6; 22-MAY-2010 09:08:11; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43004  
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 15; 6085.9; 22-MAY-2010 09:58:43; Dark ; 48.0; 172; Gam Gru ; 3.00; 13100;occ; 96; 0;43005  
 16; 6425.8; 22-MAY-2010 10:04:23; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43005  
 17; 6837.3; 22-MAY-2010 10:11:15; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43005  
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 3; 2027.4; 22-MAY-2010 10:31:41; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43005  
 4; 2371.1; 22-MAY-2010 10:37:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43005  
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 6; 3053.1; 22-MAY-2010 10:48:46; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43005  
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 9; 4009.9; 22-MAY-2010 11:04:43; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43005  
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 11; 4792.9; 22-MAY-2010 11:17:46; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;43005  
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 13; 5913.8; 22-MAY-2010 11:36:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43005  
 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  
 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006  
 17; 6837.5; 22-MAY-2010 11:51:51; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43006  
 18; 7002.4; 22-MAY-2010 11:54:36; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43006  
 19; 7113.4; 22-MAY-2010 11:56:27; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;43006  
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 3; 2027.3; 22-MAY-2010 12:12:16; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43006  
 4; 2371.0; 22-MAY-2010 12:18:00; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;43006  
 5; 2560.8; 22-MAY-2010 12:21:10; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43006  
 6; 3052.7; 22-MAY-2010 12:29:22; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43006  
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 9; 4009.4; 22-MAY-2010 12:45:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43006  
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13; 5914.8; 22-MAY-2010 13:17:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43006
14; 6003.3; 22-MAY-2010 13:18:32; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;43006
15; 6088.2; 22-MAY-2010 13:19:57; Dark ; 49.0; 172; Gam Gru ; 3.00; 13100;occ; 98; 0;43007
16; 6426.9; 22-MAY-2010 13:25:36; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43007
17; 6838.3; 22-MAY-2010 13:32:27; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43007
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19; 7113.8; 22-MAY-2010 13:37:03; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;43007
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 3; 1842.1; 22-MAY-2010 13:49:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43007
 4; 2027.3; 22-MAY-2010 13:52:52; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43007
 5; 2371.2; 22-MAY-2010 13:58:36; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43007
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 9; 3937.1; 22-MAY-2010 14:24:42; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43007
10; 4009.5; 22-MAY-2010 14:25:55; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;43007
11; 4529.9; 22-MAY-2010 14:34:35; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43007
12; 4793.8; 22-MAY-2010 14:38:59; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43007
13; 5761.5; 22-MAY-2010 14:55:07; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;43007
14; 5915.9; 22-MAY-2010 14:57:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43007
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18; 6838.5; 22-MAY-2010 15:13:04; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43008
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 3; 1733.0; 22-MAY-2010 15:28:34; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43008
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 9; 3173.7; 22-MAY-2010 15:52:35; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43008
10; 3937.2; 22-MAY-2010 16:05:18; Bright; 52.0; 76; 27Gam Cas ; 2.30; 30000;occ; 104; 0;43008
11; 4009.6; 22-MAY-2010 16:06:31; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;43008
12; 4530.2; 22-MAY-2010 16:15:11; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;43008
13; 4794.0; 22-MAY-2010 16:19:35; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43008
14; 5762.2; 22-MAY-2010 16:35:43; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;43008
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8;	2371.2;	22-MAY-2010	19:00:24;	Bright;	38.0;	83;		; 2.38;	11000;occ;	76;	0;43010
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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 4; 1840.3; 23-MAY-2010 16:39:20; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43023
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17; 6108.1; 23-MAY-2010 17:50:28; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43024
18; 6439.2; 23-MAY-2010 17:55:59; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43024
19; 6846.0; 23-MAY-2010 18:02:46; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43024
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 4; 404.7; 23-MAY-2010 21:17:13; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43026
 5; 810.6; 23-MAY-2010 21:23:58; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43026
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13; 2369.8; 23-MAY-2010 21:49:58; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;43026
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16; 3936.5; 23-MAY-2010 22:16:04; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43026
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18; 4381.1; 23-MAY-2010 22:23:29; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43026
19; 4533.1; 23-MAY-2010 22:26:01; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43026
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 17; 3936.3; 23-MAY-2010 23:56:40; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43027  
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 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  
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 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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6; 817.2; 24-MAY-2010 22:33:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43041
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 16; 6851.0; 24-MAY-2010 14:10:02; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43036  
 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036  
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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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 17; 6449.0; 24-MAY-2010 17:24:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43038  
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 19; 7019.9; 24-MAY-2010 17:34:03; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43038

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21; 6450.0; 24-MAY-2010 19:05:09; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43039
22; 6852.5; 24-MAY-2010 19:11:51; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;43039
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 9; 2369.6; 24-MAY-2010 19:37:44; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43039
10; 3039.7; 24-MAY-2010 19:48:55; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43039
11; 3171.2; 24-MAY-2010 19:51:06; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43039
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13; 4007.8; 24-MAY-2010 20:05:03; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;43039
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15; 4535.6; 24-MAY-2010 20:13:50; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43039
16; 4805.2; 24-MAY-2010 20:18:20; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43039
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3; 2021.6; 25-MAY-2010 10:37:20; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43048
4; 2368.7; 25-MAY-2010 10:43:07; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43048
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 16; 5868.0; 25-MAY-2010 18:23:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43052  
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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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13; 4007.0; 25-MAY-2010 19:33:25; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43053
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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
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10; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
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13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
14; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
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16; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
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22; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
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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
29; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
30; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058
31; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
32; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
33; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
34; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
35; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
36; 8419.9; 26-MAY-2010 03:29:21; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43058

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8; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
9; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
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11; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
12; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057
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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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 18; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057  
 19; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057  
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 21; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058  
 22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058  
 23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058  
 24; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058  
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 13; 825.3; 26-MAY-2010 04:43:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;43059  
 14; 994.9; 26-MAY-2010 04:46:48; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43059  
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 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060  
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15; 6466.5; 26-MAY-2010 11:19:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43063
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5; 3169.1; 26-MAY-2010 12:05:26; Bright; 53.0; 60; 7Bet UMi ; 2.08; 3950;occ; 106; 0;43063
6; 3935.0; 26-MAY-2010 12:18:12; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43063
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8; 4385.7; 26-MAY-2010 12:25:43; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43063
9; 4540.3; 26-MAY-2010 12:28:17; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43063
10; 4815.9; 26-MAY-2010 12:32:53; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43063

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 16; 6863.6; 26-MAY-2010 13:07:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43064  
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 18; 7143.7; 26-MAY-2010 13:11:41; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;43064  
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 5; 2383.8; 26-MAY-2010 13:32:57; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;43064  
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 7; 3170.3; 26-MAY-2010 13:46:03; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;43064  
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 11; 4541.2; 26-MAY-2010 14:08:54; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43064  
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 13; 5348.2; 26-MAY-2010 14:22:21; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43064  
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 17; 6468.7; 26-MAY-2010 14:41:01; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43065  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100531\_214641\_000012862089\_00501\_43140\_1537.N1  
1; -758.9; 31-MAY-2010 21:46:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43140  
2; -646.8; 31-MAY-2010 21:48:33; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43140  
3; -128.1; 31-MAY-2010 21:57:11; Dark ; 60.5; 18; 24Alp PsA ; 1.17; 9700;occ; 121; 0;43140  
4; 72.8; 31-MAY-2010 22:00:32; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;43141  
5; 185.0; 31-MAY-2010 22:02:25; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43141  
6; 484.7; 31-MAY-2010 22:07:24; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43141