

# GOMOS Daily Report 25-DEC-2010

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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	28DEC2010 05:01:56
Data source version	GOMOS/5.01
Start time of products	25DEC2010 00:14:02
Stop time of products	25DEC2010 23:55:18
Store outputs in DB	Yes
Nb of level 1b prods	155
Nb of prods with errors	0

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

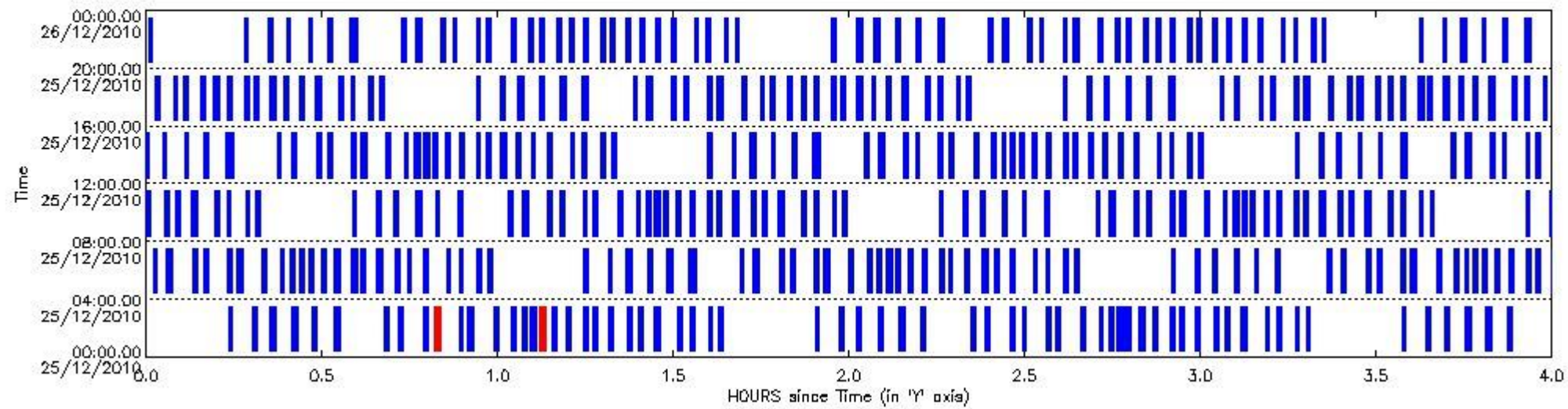
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
25-DEC-2010 00:49:15	lotCen	123	46108
25-DEC-2010 01:07:05	Gam2Vel	34	46109

### 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_1PNPDE20101225_001402_000000383097_00404_46108_2098.N1	25-DEC-2010 00:14:02	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46108	No
2	GOM_TRA_1PNPDE20101225_001809_000000473097_00404_46108_2099.N1	25-DEC-2010 00:18:09	Bright	46.500	32	77Eps UMa	1.7630	11000.	93	46108	No
3	GOM_TRA_1PNPDE20101225_002106_000000623097_00404_46108_2100.N1	25-DEC-2010 00:21:06	Bright	62.000	39	85Eta UMa	1.8540	24000.	124	46108	No
4	GOM_TRA_1PNPDE20101225_002449_000000593097_00404_46108_2101.N1	25-DEC-2010 00:24:49	Bright	59.000	180	27Gam Boo	3.0400	8000.0	118	46108	No
5	GOM_TRA_1PNPDE20101225_002814_000000583097_00404_46108_2102.N1	25-DEC-2010 00:28:14	Bright	58.000	83		2.3780	11000.	116	46108	No
6	GOM_TRA_1PNPDE20101225_003156_000000683097_00404_46108_2103.N1	25-DEC-2010 00:31:56	Bright	68.000	111	8Eta Boo	2.6800	6000.0	136	46108	No
7	GOM_TRA_1PNPDE20101225_004039_000000393097_00404_46108_2104.N1	25-DEC-2010 00:40:39	Bright	39.000	122	9Alp2Lib	2.7470	9700.0	78	46108	No
8	GOM_TRA_1PNPDE20101225_004256_000000613097_00404_46108_9023.N1	25-DEC-2010 00:42:56	Straylight	60.500	15	67Alp Vir	0.97600	28000.	121	46108	No
9	GOM_TRA_1PNPDE20101225_004718_000000483097_00404_46108_9024.N1	25-DEC-2010 00:47:18	Dark	47.500	54	5The Cen	2.0550	4500.0	95	46108	No

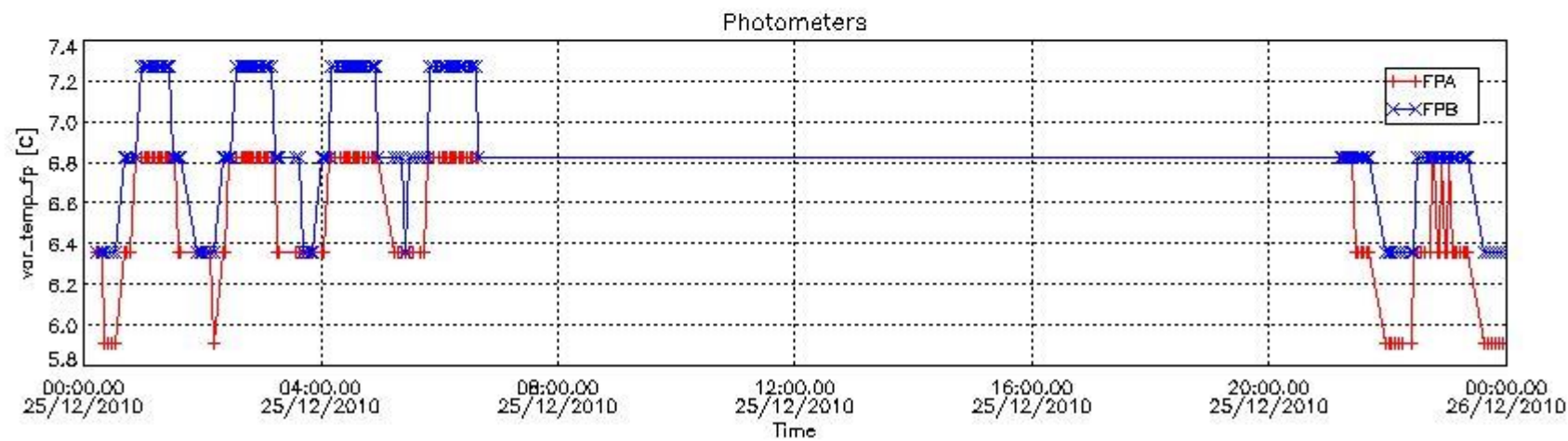
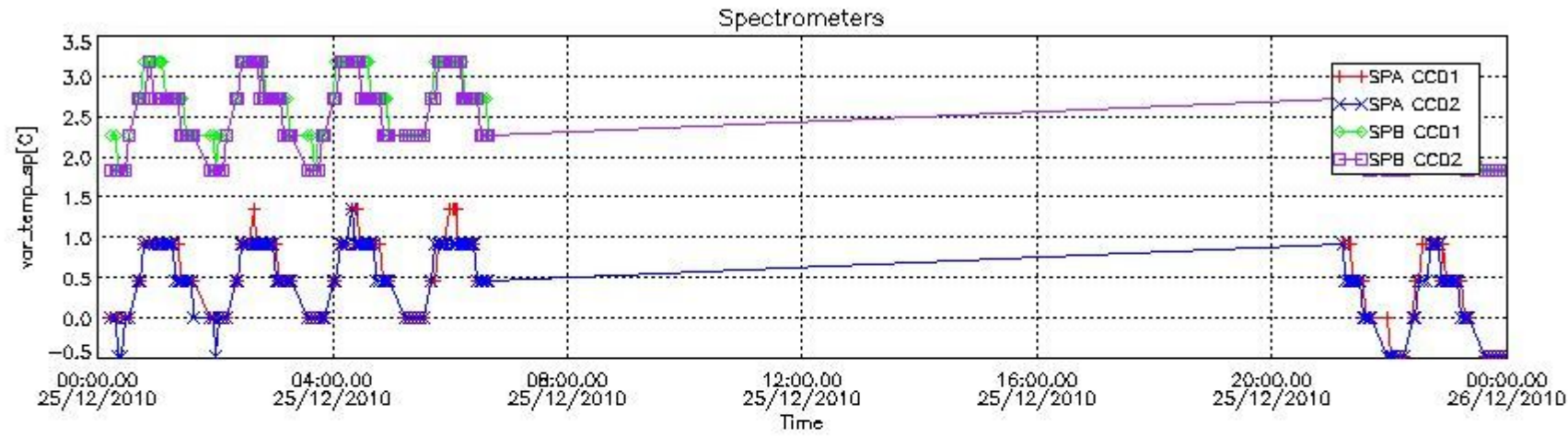
10	GOM_TRA_1PNPDE20101225_005320_000000423097_00405_46109_9025.N1	25-DEC-2010 00:53:20	Dark	42.000	64	Gam Cen	2.2000	10600.	84	46109	No
11	GOM_TRA_1PNPDE20101225_005916_000000473097_00405_46109_9026.N1	25-DEC-2010 00:59:16	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46109	No
12	GOM_TRA_1PNPDE20101225_010224_000000413097_00405_46109_9027.N1	25-DEC-2010 01:02:24	Dark	41.000	71	lot Car	2.2460	7700.0	82	46109	No
13	GOM_TRA_1PNPDE20101225_010408_000000553097_00405_46109_9028.N1	25-DEC-2010 01:04:08	Dark	55.000	41	Eps Car	1.8600	4100.0	110	46109	No
14	GOM_TRA_1PNPDE20101225_010534_000000593097_00405_46109_9029.N1	25-DEC-2010 01:05:34	Dark	58.500	65	Lam Vel	2.2040	4400.0	117	46109	No
15	GOM_TRA_1PNPDE20101225_010919_000000503097_00405_46109_9030.N1	25-DEC-2010 01:09:19	Dark	50.000	70	Zet Pup	2.2460	39000.	100	46109	No
16	GOM_TRA_1PNPDE20101225_011139_000000533097_00405_46109_9031.N1	25-DEC-2010 01:11:39	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	46109	No
17	GOM_TRA_1PNPDE20101225_011437_000000503097_00405_46109_9032.N1	25-DEC-2010 01:14:37	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	46109	No
18	GOM_TRA_1PNPDE20101225_011614_000000483097_00405_46109_9033.N1	25-DEC-2010 01:16:14	Straylight	48.000	179	24Omi2CMa	3.0320	24000.	96	46109	No
19	GOM_TRA_1PNPDE20101225_011854_000000553097_00405_46109_9034.N1	25-DEC-2010 01:18:54	Straylight	55.000	1	9Alp CMa	-1.4400	11000.	110	46109	No
20	GOM_TRA_1PNPDE20101225_012203_000000493097_00405_46109_9035.N1	25-DEC-2010 01:22:03	Straylight	48.500	7	19Bet Ori	0.10000	14000.	97	46109	No
21	GOM_TRA_1PNPDE20101225_012403_000000463097_00405_46109_9036.N1	25-DEC-2010 01:24:03	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	46109	No
22	GOM_TRA_1PNPDE20101225_012646_000000573097_00405_46109_9037.N1	25-DEC-2010 01:26:46	Tw_i_and_stray	56.500	14	58Alp Ori	0.87000	3000.0	113	46109	No
23	GOM_TRA_1PNPDE20101225_013048_000000413097_00405_46109_9038.N1	25-DEC-2010 01:30:48	Bright	41.000	176	23Zet Tau	3.0200	22000.	82	46109	No
24	GOM_TRA_1PNPDE20101225_013252_000000403097_00405_46109_9039.N1	25-DEC-2010 01:32:52	Bright	39.500	28	12Bet Tau	1.6500	15200.	79	46109	No
25	GOM_TRA_1PNPDE20101225_013600_000000393097_00405_46109_9040.N1	25-DEC-2010 01:36:00	Bright	39.000	107	37The Aur	2.6490	11000.	78	46109	No
26	GOM_TRA_1PNPDE20101225_013747_000000433097_00405_46109_9041.N1	25-DEC-2010 01:37:47	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	46109	No
27	GOM_TRA_1PNPDE20101225_015416_000000383097_00405_46109_9042.N1	25-DEC-2010 01:54:16	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46109	No
28	GOM_TRA_1PNPDE20101225_015823_000000473097_00405_46109_9043.N1	25-DEC-2010 01:58:23	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	46109	No
29	GOM_TRA_1PNPDE20101225_020120_000000433097_00405_46109_9044.N1	25-DEC-2010 02:01:20	Bright	43.000	39	85Eta UMa	1.8540	24000.	86	46109	No
30	GOM_TRA_1PNPDE20101225_020502_000000383097_00405_46109_9045.N1	25-DEC-2010 02:05:02	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	46109	No
31	GOM_TRA_1PNPDE20101225_020828_000000583097_00405_46109_9046.N1	25-DEC-2010 02:08:28	Bright	58.000	83		2.3780	11000.	116	46109	No
32	GOM_TRA_1PNPDE20101225_021210_000000473097_00405_46109_9047.N1	25-DEC-2010 02:12:10	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	46109	No
33	GOM_TRA_1PNPDE20101225_022054_000000413097_00405_46109_9083.N1	25-DEC-2010 02:20:54	Bright	41.000	122	9Alp2Lib	2.7470	9700.0	82	46109	No
34	GOM_TRA_1PNPDE20101225_022311_000000543097_00405_46109_9084.N1	25-DEC-2010 02:23:11	Straylight	53.500	15	67Alp Vir	0.97600	28000.	107	46109	No
35	GOM_TRA_1PNPDE20101225_022733_000000463097_00405_46109_9085.N1	25-DEC-2010 02:27:33	Dark	46.000	54	5The Cen	2.0550	4500.0	92	46109	No
36	GOM_TRA_1PNPDE20101225_022933_000000443097_00405_46109_9086.N1	25-DEC-2010 02:29:33	Dark	43.500	123	lot Cen	2.7500	10200.	87	46109	No
37	GOM_TRA_1PNPDE20101225_023335_000000463097_00406_46110_9087.N1	25-DEC-2010 02:33:35	Dark	45.500	64	Gam Cen	2.2000	10600.	91	46110	No
38	GOM_TRA_1PNPDE20101225_023931_000000473097_00406_46110_9088.N1	25-DEC-2010 02:39:31	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46110	No
39	GOM_TRA_1PNPDE20101225_024238_000000423097_00406_46110_9089.N1	25-DEC-2010 02:42:38	Dark	41.500	71	lot Car	2.2460	7700.0	83	46110	No
40	GOM_TRA_1PNPDE20101225_024422_000000463097_00406_46110_9090.N1	25-DEC-2010 02:44:22	Dark	45.500	41	Eps Car	1.8600	4100.0	91	46110	No
41	GOM_TRA_1PNPDE20101225_024549_000000683097_00406_46110_9091.N1	25-DEC-2010 02:45:49	Dark	67.500	65	Lam Vel	2.2040	4400.0	135	46110	No
42	GOM_TRA_1PNPDE20101225_024723_000000453097_00406_46110_9092.N1	25-DEC-2010 02:47:23	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	46110	No
43	GOM_TRA_1PNPDE20101225_024934_000000523097_00406_46110_9093.N1	25-DEC-2010 02:49:34	Dark	51.500	70	Zet Pup	2.2460	39000.	103	46110	No
44	GOM_TRA_1PNPDE20101225_025153_000000533097_00406_46110_9094.N1	25-DEC-2010 02:51:53	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	46110	No
45	GOM_TRA_1PNPDE20101225_025451_000000483097_00406_46110_9095.N1	25-DEC-2010 02:54:51	Straylight	47.500	23	21Eps CMa	1.5020	26000.	95	46110	No
46	GOM_TRA_1PNPDE20101225_025629_000000493097_00406_46110_9096.N1	25-DEC-2010 02:56:29	Straylight	49.000	179	24Omi2CMa	3.0320	24000.	98	46110	No
47	GOM_TRA_1PNPDE20101225_025908_000000523097_00406_46110_9097.N1	25-DEC-2010 02:59:08	Straylight	52.000	1	9Alp CMa	-1.4400	11000.	104	46110	No
48	GOM_TRA_1PNPDE20101225_030217_000000493097_00406_46110_9098.N1	25-DEC-2010 03:02:17	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	46110	No
49	GOM_TRA_1PNPDE20101225_030416_000000463097_00406_46110_9099.N1	25-DEC-2010 03:04:16	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	46110	No
50	GOM_TRA_1PNPDE20101225_030700_000000593097_00406_46110_9100.N1	25-DEC-2010 03:07:00	Tw_i_and_stray	59.000	14	58Alp Ori	0.87000	3000.0	118	46110	No
51	GOM_TRA_1PNPDE20101225_031101_000000423097_00406_46110_9101.N1	25-DEC-2010 03:11:01	Bright	41.500	176	23Zet Tau	3.0200	22000.	83	46110	No
52	GOM_TRA_1PNPDE20101225_031306_000000413097_00406_46110_9102.N1	25-DEC-2010 03:13:06	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	46110	No
53	GOM_TRA_1PNPDE20101225_031613_000000413097_00406_46110_9103.N1	25-DEC-2010 03:16:13	Bright	41.000	107	37The Aur	2.6490	11000.	82	46110	No
54	GOM_TRA_1PNPDE20101225_031801_000000423097_00406_46110_9104.N1	25-DEC-2010 03:18:01	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	46110	No
55	GOM_TRA_1PNPDE20101225_033430_000000383097_00406_46110_9118.N1	25-DEC-2010 03:34:30	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46110	No
56	GOM_TRA_1PNPDE20101225_033836_000000453097_00406_46110_9119.N1	25-DEC-2010 03:38:36	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	46110	No
57	GOM_TRA_1PNPDE20101225_034134_000000623097_00406_46110_9120.N1	25-DEC-2010 03:41:34	Bright	62.000	39	85Eta UMa	1.8540	24000.	124	46110	No
58	GOM_TRA_1PNPDE20101225_034517_000000593097_00406_46110_9121.N1	25-DEC-2010 03:45:17	Bright	59.000	180	27Gam Boo	3.0400	8000.0	118	46110	No
59	GOM_TRA_1PNPDE20101225_034843_000000583097_00406_46110_9122.N1	25-DEC-2010 03:48:43	Bright	58.000	83		2.3780	11000.	116	46110	No
60	GOM_TRA_1PNPDE20101225_035224_000000453097_00406_46110_9123.N1	25-DEC-2010 03:52:24	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	46110	No
61	GOM_TRA_1PNPDE20101225_040108_000000403097_00406_46110_9124.N1	25-DEC-2010 04:01:08	Bright	40.000	122	9Alp2Lib	2.7470	9700.0	80	46110	No
62	GOM_TRA_1PNPDE20101225_040326_000000563097_00406_46110_9125.N1	25-DEC-2010 04:03:26	Straylight	55.500	15	67Alp Vir	0.97600	28000.	111	46110	No
63	GOM_TRA_1PNPDE20101225_040747_000000523097_00406_46110_9126.N1	25-DEC-2010 04:07:47	Dark	51.500	54	5The Cen	2.0550	4500.0	103	46110	No
64	GOM_TRA_1PNPDE20101225_040948_000000433097_00406_46110_9127.N1	25-DEC-2010 04:09:48	Dark	43.000	123	lot Cen	2.7500	10200.	86	46110	No
65	GOM_TRA_1PNPDE20101225_041349_000000423097_00407_46111_9128.N1	25-DEC-2010 04:13:49	Dark	42.000	64	Gam Cen	2.2000	10600.	84	46111	No
66	GOM_TRA_1PNPDE20101225_041946_000000483097_00407_46111_9129.N1	25-DEC-2010 04:19:46	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46111	No
67	GOM_TRA_1PNPDE20101225_042253_000000433097_00407_46111_9130.N1	25-DEC-2010 04:22:53	Dark	42.500	71	lot Car	2.2460	7700.0	85	46111	No
68	GOM_TRA_1PNPDE20101225_042437_000000463097_00407_46111_9131.N1	25-DEC-2010 04:24:37	Dark	46.000	41	Eps Car	1.8600	4100.0	92	46111	No



69	GOM_TRA_1PNPDE20101225_042603_000000603097_00407_46111_9132.N1	25-DEC-2010 04:26:03	Dark	59.500	65	Lam Vel	2.2040	4400.0	119	46111	No
70	GOM_TRA_1PNPDE20101225_042738_000000483097_00407_46111_9133.N1	25-DEC-2010 04:27:38	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	46111	No
71	GOM_TRA_1PNPDE20101225_042949_000000513097_00407_46111_9134.N1	25-DEC-2010 04:29:49	Dark	50.500	70	Zet Pup	2.2460	39000.	101	46111	No
72	GOM_TRA_1PNPDE20101225_043208_000000533097_00407_46111_9135.N1	25-DEC-2010 04:32:08	Dark	53.000	117	Pi Pup	2.7060	3800.0	106	46111	No
73	GOM_TRA_1PNPDE20101225_043506_000000503097_00407_46111_9136.N1	25-DEC-2010 04:35:06	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	46111	No
74	GOM_TRA_1PNPDE20101225_043643_000000483097_00407_46111_9137.N1	25-DEC-2010 04:36:43	Straylight	48.000	179	24Omi2CMa	3.0320	24000.	96	46111	No
75	GOM_TRA_1PNPDE20101225_043922_000000583097_00407_46111_9138.N1	25-DEC-2010 04:39:22	Straylight	58.000	1	9Alp CMa	-1.4400	11000.	116	46111	No
76	GOM_TRA_1PNPDE20101225_044231_000000543097_00407_46111_9139.N1	25-DEC-2010 04:42:31	Straylight	54.000	7	19Bet Ori	0.10000	14000.	108	46111	No
77	GOM_TRA_1PNPDE20101225_044430_000000463097_00407_46111_9140.N1	25-DEC-2010 04:44:30	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	46111	No
78	GOM_TRA_1PNPDE20101225_044714_000000573097_00407_46111_9141.N1	25-DEC-2010 04:47:14	Tw_i_and_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	46111	No
79	GOM_TRA_1PNPDE20101225_045115_000000403097_00407_46111_9142.N1	25-DEC-2010 04:51:15	Bright	40.000	176	23Zet Tau	3.0200	22000.	80	46111	No
80	GOM_TRA_1PNPDE20101225_045320_000000413097_00407_46111_9143.N1	25-DEC-2010 04:53:20	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	46111	No
81	GOM_TRA_1PNPDE20101225_045627_000000423097_00407_46111_9144.N1	25-DEC-2010 04:56:27	Bright	41.500	107	37The Aur	2.6490	11000.	83	46111	No
82	GOM_TRA_1PNPDE20101225_045815_000000443097_00407_46111_9145.N1	25-DEC-2010 04:58:15	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	46111	No
83	GOM_TRA_1PNPDE20101225_051444_000000403097_00407_46111_9164.N1	25-DEC-2010 05:14:44	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46111	No
84	GOM_TRA_1PNPDE20101225_051850_000000423097_00407_46111_9165.N1	25-DEC-2010 05:18:50	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	46111	No
85	GOM_TRA_1PNPDE20101225_052148_000000623097_00407_46111_9166.N1	25-DEC-2010 05:21:48	Bright	62.000	39	85Eta UMa	1.8540	24000.	124	46111	No
86	GOM_TRA_1PNPDE20101225_052531_000000593097_00407_46111_9167.N1	25-DEC-2010 05:25:31	Bright	59.000	180	27Gam Boo	3.0400	8000.0	118	46111	No
87	GOM_TRA_1PNPDE20101225_052857_000000503097_00407_46111_9168.N1	25-DEC-2010 05:28:57	Bright	50.000	83		2.3780	11000.	100	46111	No
88	GOM_TRA_1PNPDE20101225_053239_000000693097_00407_46111_9169.N1	25-DEC-2010 05:32:39	Bright	69.000	111	8Eta Boo	2.6800	6000.0	138	46111	No
89	GOM_TRA_1PNPDE20101225_054123_000000423097_00407_46111_9170.N1	25-DEC-2010 05:41:23	Bright	42.000	122	9Alp2Lib	2.7470	9700.0	84	46111	No
90	GOM_TRA_1PNPDE20101225_054341_000000583097_00407_46111_9171.N1	25-DEC-2010 05:43:41	Straylight	58.000	15	67Alp Vir	0.97600	28000.	116	46111	No
91	GOM_TRA_1PNPDE20101225_054802_000000523097_00407_46111_9172.N1	25-DEC-2010 05:48:02	Dark	52.000	54	5The Cen	2.0550	4500.0	104	46111	No
92	GOM_TRA_1PNPDE20101225_055003_000000453097_00407_46111_9173.N1	25-DEC-2010 05:50:03	Dark	45.000	123	1ot Cen	2.7500	10200.	90	46111	No
93	GOM_TRA_1PNPDE20101225_055404_000000433097_00408_46112_9174.N1	25-DEC-2010 05:54:04	Dark	43.000	64	Gam Cen	2.2000	10600.	86	46112	No
94	GOM_TRA_1PNPDE20101225_060001_000000473097_00408_46112_9175.N1	25-DEC-2010 06:00:01	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46112	No
95	GOM_TRA_1PNPDE20101225_060307_000000413097_00408_46112_9176.N1	25-DEC-2010 06:03:07	Dark	41.000	71	1ot Car	2.2460	7700.0	82	46112	No
96	GOM_TRA_1PNPDE20101225_060451_000000473097_00408_46112_9177.N1	25-DEC-2010 06:04:51	Dark	46.500	41	Eps Car	1.8600	4100.0	93	46112	No
97	GOM_TRA_1PNPDE20101225_060618_000000693097_00408_46112_9178.N1	25-DEC-2010 06:06:18	Dark	69.000	65	Lam Vel	2.2040	4400.0	138	46112	No
98	GOM_TRA_1PNPDE20101225_060752_000000463097_00408_46112_9179.N1	25-DEC-2010 06:07:52	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	46112	No
99	GOM_TRA_1PNPDE20101225_061003_000000483097_00408_46112_9180.N1	25-DEC-2010 06:10:03	Dark	47.500	70	Zet Pup	2.2460	39000.	95	46112	No
100	GOM_TRA_1PNPDE20101225_061222_000000493097_00408_46112_9181.N1	25-DEC-2010 06:12:22	Dark	49.000	117	Pi Pup	2.7060	3800.0	98	46112	No
101	GOM_TRA_1PNPDE20101225_061520_000000493097_00408_46112_9182.N1	25-DEC-2010 06:15:20	Straylight	48.500	23	21Eps CMa	1.5020	26000.	97	46112	No
102	GOM_TRA_1PNPDE20101225_061657_000000463097_00408_46112_9183.N1	25-DEC-2010 06:16:57	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	46112	No
103	GOM_TRA_1PNPDE20101225_061937_000000553097_00408_46112_9184.N1	25-DEC-2010 06:19:37	Straylight	55.000	1	9Alp CMa	-1.4400	11000.	110	46112	No
104	GOM_TRA_1PNPDE20101225_062245_000000533097_00408_46112_9185.N1	25-DEC-2010 06:22:45	Straylight	52.500	7	19Bet Ori	0.10000	14000.	105	46112	No
105	GOM_TRA_1PNPDE20101225_062445_000000463097_00408_46112_9186.N1	25-DEC-2010 06:24:45	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	46112	No
106	GOM_TRA_1PNPDE20101225_062728_000000523097_00408_46112_9187.N1	25-DEC-2010 06:27:28	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	46112	No
107	GOM_TRA_1PNPDE20101225_063129_000000403097_00408_46112_9188.N1	25-DEC-2010 06:31:29	Bright	39.500	176	23Zet Tau	3.0200	22000.	79	46112	No
108	GOM_TRA_1PNPDE20101225_063334_000000423097_00408_46112_9189.N1	25-DEC-2010 06:33:34	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	46112	No
109	GOM_TRA_1PNPDE20101225_063641_000000413097_00408_46112_9190.N1	25-DEC-2010 06:36:41	Bright	40.500	107	37The Aur	2.6490	11000.	81	46112	No
110	GOM_TRA_1PNPDE20101225_063829_000000443097_00408_46112_9191.N1	25-DEC-2010 06:38:29	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	46112	No
111	GOM_TRA_1PNPDE20101225_211215_000000503097_00417_46121_9301.N1	25-DEC-2010 21:12:15	Dark	49.500	70	Zet Pup	2.2460	39000.	99	46121	No
112	GOM_TRA_1PNPDE20101225_211433_000000523097_00417_46121_9302.N1	25-DEC-2010 21:14:33	Dark	52.000	117	Pi Pup	2.7060	3800.0	104	46121	No
113	GOM_TRA_1PNPDE20101225_211729_000000503097_00417_46121_9303.N1	25-DEC-2010 21:17:29	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	46121	No
114	GOM_TRA_1PNPDE20101225_211906_000000483097_00417_46121_9304.N1	25-DEC-2010 21:19:06	Straylight	47.500	179	24Omi2CMa	3.0320	24000.	95	46121	No
115	GOM_TRA_1PNPDE20101225_212144_000000583097_00417_46121_9305.N1	25-DEC-2010 21:21:44	Straylight	57.500	1	9Alp CMa	-1.4400	11000.	115	46121	No
116	GOM_TRA_1PNPDE20101225_212417_000000443097_00417_46121_9306.N1	25-DEC-2010 21:24:17	Straylight	44.000	56	53Kap Ori	2.0650	30000.	88	46121	No
117	GOM_TRA_1PNPDE20101225_212651_000000483097_00417_46121_9307.N1	25-DEC-2010 21:26:51	Straylight	48.000	30	46Eps Ori	1.6940	30000.	96	46121	No
118	GOM_TRA_1PNPDE20101225_212933_000000593097_00417_46121_9308.N1	25-DEC-2010 21:29:33	Tw_i_and_stray	59.000	14	58Alp Ori	0.87000	3000.0	118	46121	No
119	GOM_TRA_1PNPDE20101225_213334_000000403097_00417_46121_9309.N1	25-DEC-2010 21:33:34	Bright	40.000	176	23Zet Tau	3.0200	22000.	80	46121	No
120	GOM_TRA_1PNPDE20101225_213539_000000403097_00417_46121_9310.N1	25-DEC-2010 21:35:39	Bright	40.000	28	12Bet Tau	1.6500	15200.	80	46121	No
121	GOM_TRA_1PNPDE20101225_213844_000000403097_00417_46121_9311.N1	25-DEC-2010 21:38:44	Bright	39.500	107	37The Aur	2.6490	11000.	79	46121	No
122	GOM_TRA_1PNPDE20101225_214033_000000443097_00417_46121_9312.N1	25-DEC-2010 21:40:33	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	46121	No
123	GOM_TRA_1PNPDE20101225_215704_000000383097_00417_46121_9313.N1	25-DEC-2010 21:57:04	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46121	No
124	GOM_TRA_1PNPDE20101225_220107_000000663097_00417_46121_9314.N1	25-DEC-2010 22:01:07	Bright	66.000	32	77Eps UMa	1.7630	11000.	132	46121	No
125	GOM_TRA_1PNPDE20101225_220407_000000633097_00417_46121_9315.N1	25-DEC-2010 22:04:07	Bright	63.000	39	85Eta UMa	1.8540	24000.	126	46121	No
126	GOM_TRA_1PNPDE20101225_220752_000000593097_00417_46121_9316.N1	25-DEC-2010 22:07:52	Bright	59.000	180	27Gam Boo	3.0400	8000.0	118	46121	No
127	GOM_TRA_1PNPDE20101225_221119_000000583097_00417_46121_9317.N1	25-DEC-2010 22:11:19	Bright	58.000	83		2.3780	11000.	116	46121	No

128	GOM_TRA_1PNPDE20101225_221503_000000693097_00417_46121_9318.N1	25-DEC-2010 22:15:03	Bright	69.000	111	8Eta Boo	2.6800	6000.0	138	46121	No
129	GOM_TRA_1PNPDE20101225_222348_000000443097_00417_46121_9321.N1	25-DEC-2010 22:23:48	Bright	43.500	122	9Alp2Lib	2.7470	9700.0	87	46121	No
130	GOM_TRA_1PNPDE20101225_222612_000000603097_00417_46121_9322.N1	25-DEC-2010 22:26:12	Straylight	59.500	15	67Alp Vir	0.97600	28000.	119	46121	No
131	GOM_TRA_1PNPDE20101225_223028_000000473097_00417_46121_9323.N1	25-DEC-2010 22:30:28	Dark	46.500	54	5The Cen	2.0550	4500.0	93	46121	No
132	GOM_TRA_1PNPDE20101225_223231_000000443097_00417_46121_9324.N1	25-DEC-2010 22:32:31	Dark	44.000	123	1ot Cen	2.7500	10200.	88	46121	No
133	GOM_TRA_1PNPDE20101225_223632_000000433097_00418_46122_9325.N1	25-DEC-2010 22:36:32	Dark	42.500	64	Gam Cen	2.2000	10600.	85	46122	No
134	GOM_TRA_1PNPDE20101225_224230_000000483097_00418_46122_9326.N1	25-DEC-2010 22:42:30	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46122	No
135	GOM_TRA_1PNPDE20101225_224533_000000413097_00418_46122_9327.N1	25-DEC-2010 22:45:33	Dark	41.000	71	1ot Car	2.2460	7700.0	82	46122	No
136	GOM_TRA_1PNPDE20101225_224716_000000553097_00418_46122_9328.N1	25-DEC-2010 22:47:16	Dark	54.500	41	Eps Car	1.8600	4100.0	109	46122	No
137	GOM_TRA_1PNPDE20101225_225019_000000473097_00418_46122_9329.N1	25-DEC-2010 22:50:19	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	46122	No
138	GOM_TRA_1PNPDE20101225_225229_000000473097_00418_46122_9330.N1	25-DEC-2010 22:52:29	Dark	47.000	70	Zet Pup	2.2460	39000.	94	46122	No
139	GOM_TRA_1PNPDE20101225_225447_000000563097_00418_46122_9331.N1	25-DEC-2010 22:54:47	Dark	56.000	117	Pi Pup	2.7060	3800.0	112	46122	No
140	GOM_TRA_1PNPDE20101225_225743_000000513097_00418_46122_9332.N1	25-DEC-2010 22:57:43	Straylight	50.500	23	21Eps CMa	1.5020	26000.	101	46122	No
141	GOM_TRA_1PNPDE20101225_225920_000000493097_00418_46122_9333.N1	25-DEC-2010 22:59:20	Straylight	48.500	179	24Omi2CMa	3.0320	24000.	97	46122	No
142	GOM_TRA_1PNPDE20101225_230158_000000553097_00418_46122_9334.N1	25-DEC-2010 23:01:58	Straylight	54.500	1	9Alp CMa	-1.4400	11000.	109	46122	No
143	GOM_TRA_1PNPDE20101225_230431_000000413097_00418_46122_9335.N1	25-DEC-2010 23:04:31	Straylight	41.000	56	53Kap Ori	2.0650	30000.	82	46122	No
144	GOM_TRA_1PNPDE20101225_230705_000000473097_00418_46122_9336.N1	25-DEC-2010 23:07:05	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	46122	No
145	GOM_TRA_1PNPDE20101225_230946_000000593097_00418_46122_9337.N1	25-DEC-2010 23:09:46	Tw_i_and_stray	58.500	14	58Alp Ori	0.87000	3000.0	117	46122	No
146	GOM_TRA_1PNPDE20101225_231347_000000393097_00418_46122_9338.N1	25-DEC-2010 23:13:47	Bright	39.000	176	23Zet Tau	3.0200	22000.	78	46122	No
147	GOM_TRA_1PNPDE20101225_231552_000000403097_00418_46122_9339.N1	25-DEC-2010 23:15:52	Bright	39.500	28	12Bet Tau	1.6500	15200.	79	46122	No
148	GOM_TRA_1PNPDE20101225_231857_000000423097_00418_46122_9340.N1	25-DEC-2010 23:18:57	Bright	41.500	107	37The Aur	2.6490	11000.	83	46122	No
149	GOM_TRA_1PNPDE20101225_232047_000000393097_00418_46122_9341.N1	25-DEC-2010 23:20:47	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	46122	No
150	GOM_TRA_1PNPDE20101225_233718_000000353097_00418_46122_9342.N1	25-DEC-2010 23:37:18	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	46122	No
151	GOM_TRA_1PNPDE20101225_234121_000000453097_00418_46122_9343.N1	25-DEC-2010 23:41:21	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	46122	No
152	GOM_TRA_1PNPDE20101225_234421_000000633097_00418_46122_9344.N1	25-DEC-2010 23:44:21	Bright	63.000	39	85Eta UMa	1.8540	24000.	126	46122	No
153	GOM_TRA_1PNPDE20101225_234806_000000393097_00418_46122_9345.N1	25-DEC-2010 23:48:06	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	46122	No
154	GOM_TRA_1PNPDE20101225_235133_000000583097_00418_46122_9346.N1	25-DEC-2010 23:51:33	Bright	58.000	83		2.3780	11000.	116	46122	No
155	GOM_TRA_1PNPDE20101225_235518_000000703097_00418_46122_9347.N1	25-DEC-2010 23:55:18	Bright	70.000	111	8Eta Boo	2.6800	6000.0	140	46122	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.

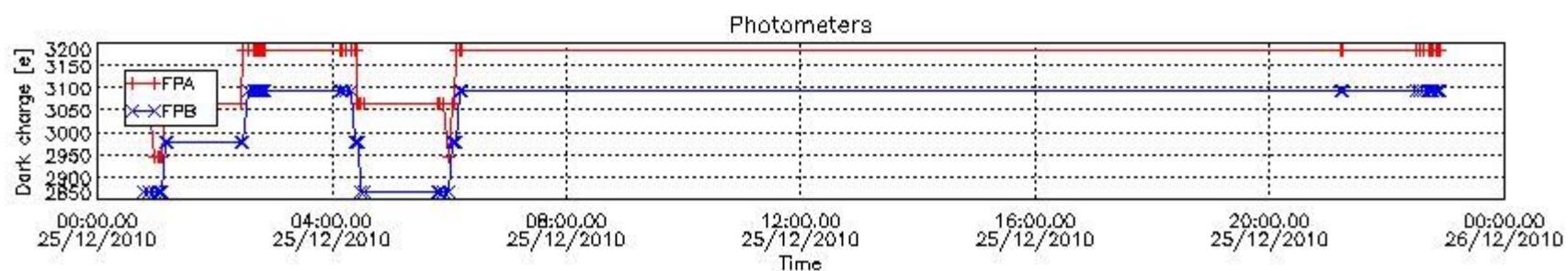
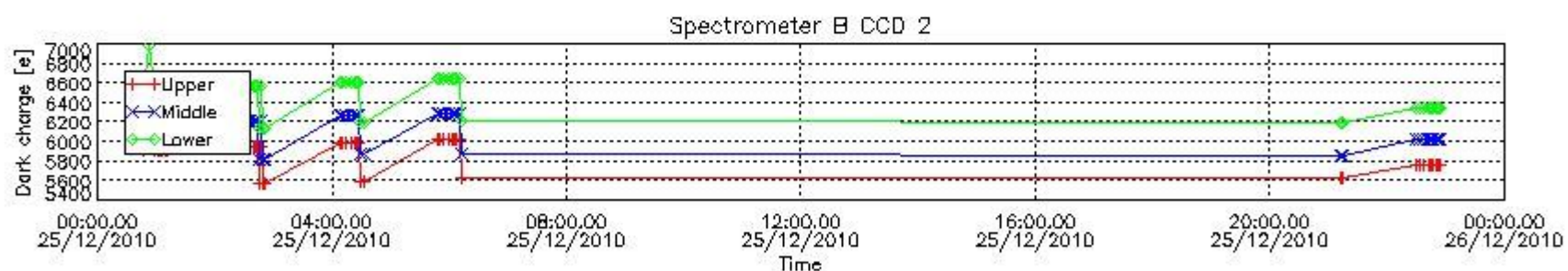
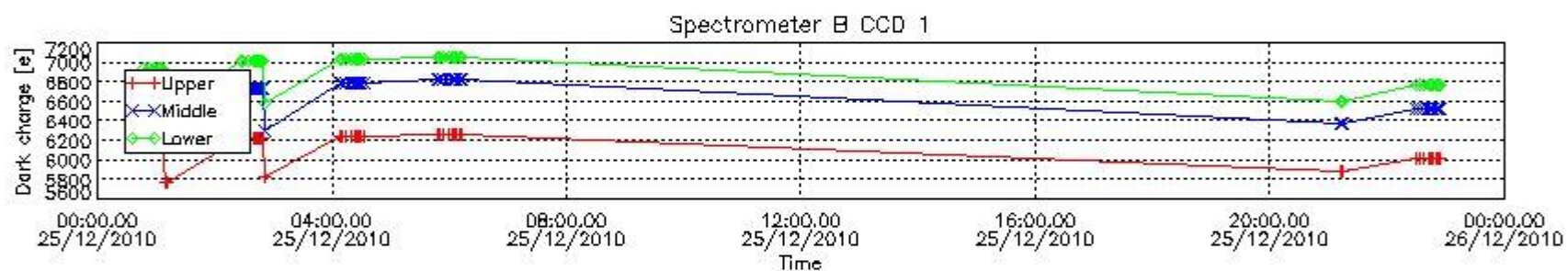
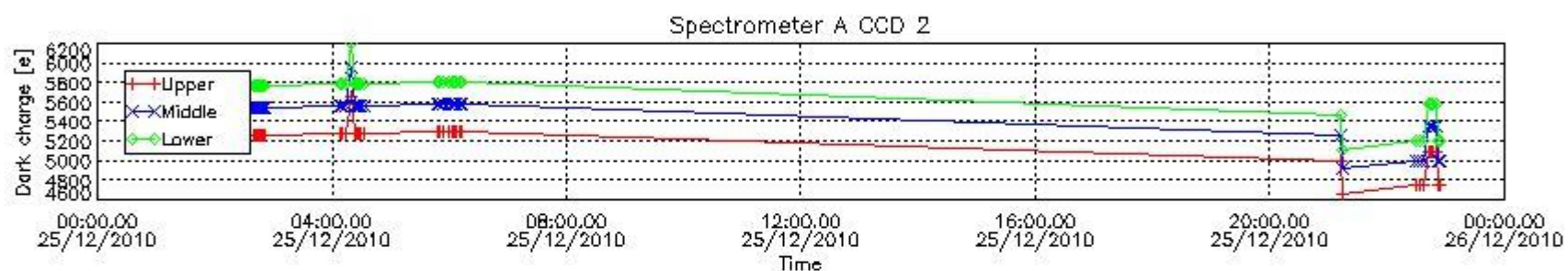
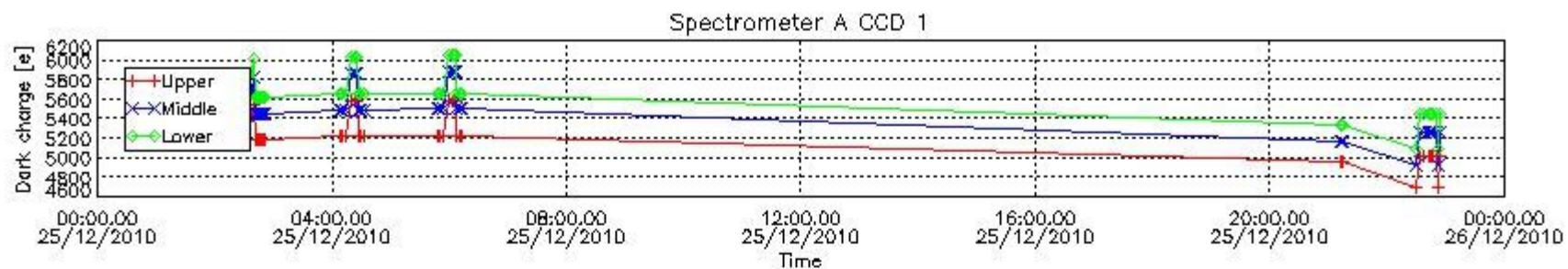
##### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20101225_211215_000000503097_00417_46121_9301.N1	DC map used
GOM_TRA_1PNPDE20101225_211433_000000523097_00417_46121_9302.N1	DC map used
GOM_TRA_1PNPDE20101225_211729_000000503097_00417_46121_9303.N1	DC map used
GOM_TRA_1PNPDE20101225_211906_000000483097_00417_46121_9304.N1	DC map used
GOM_TRA_1PNPDE20101225_212144_000000583097_00417_46121_9305.N1	DC map used
GOM_TRA_1PNPDE20101225_212417_000000443097_00417_46121_9306.N1	DC map used
GOM_TRA_1PNPDE20101225_212651_000000483097_00417_46121_9307.N1	DC map used
GOM_TRA_1PNPDE20101225_212933_000000593097_00417_46121_9308.N1	DC map used
GOM_TRA_1PNPDE20101225_213334_000000403097_00417_46121_9309.N1	DC map used
GOM_TRA_1PNPDE20101225_213539_000000403097_00417_46121_9310.N1	DC map used
GOM_TRA_1PNPDE20101225_213844_000000403097_00417_46121_9311.N1	DC map used
GOM_TRA_1PNPDE20101225_214033_000000443097_00417_46121_9312.N1	DC map used
GOM_TRA_1PNPDE20101225_215704_000000383097_00417_46121_9313.N1	DC map used
GOM_TRA_1PNPDE20101225_220107_000000663097_00417_46121_9314.N1	DC map used



GOM_TRA_1PNPDE20101225_220407_000000633097_00417_46121_9315.N1	DC map used
GOM_TRA_1PNPDE20101225_220752_000000593097_00417_46121_9316.N1	DC map used
GOM_TRA_1PNPDE20101225_221119_000000583097_00417_46121_9317.N1	DC map used
GOM_TRA_1PNPDE20101225_221503_000000693097_00417_46121_9318.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

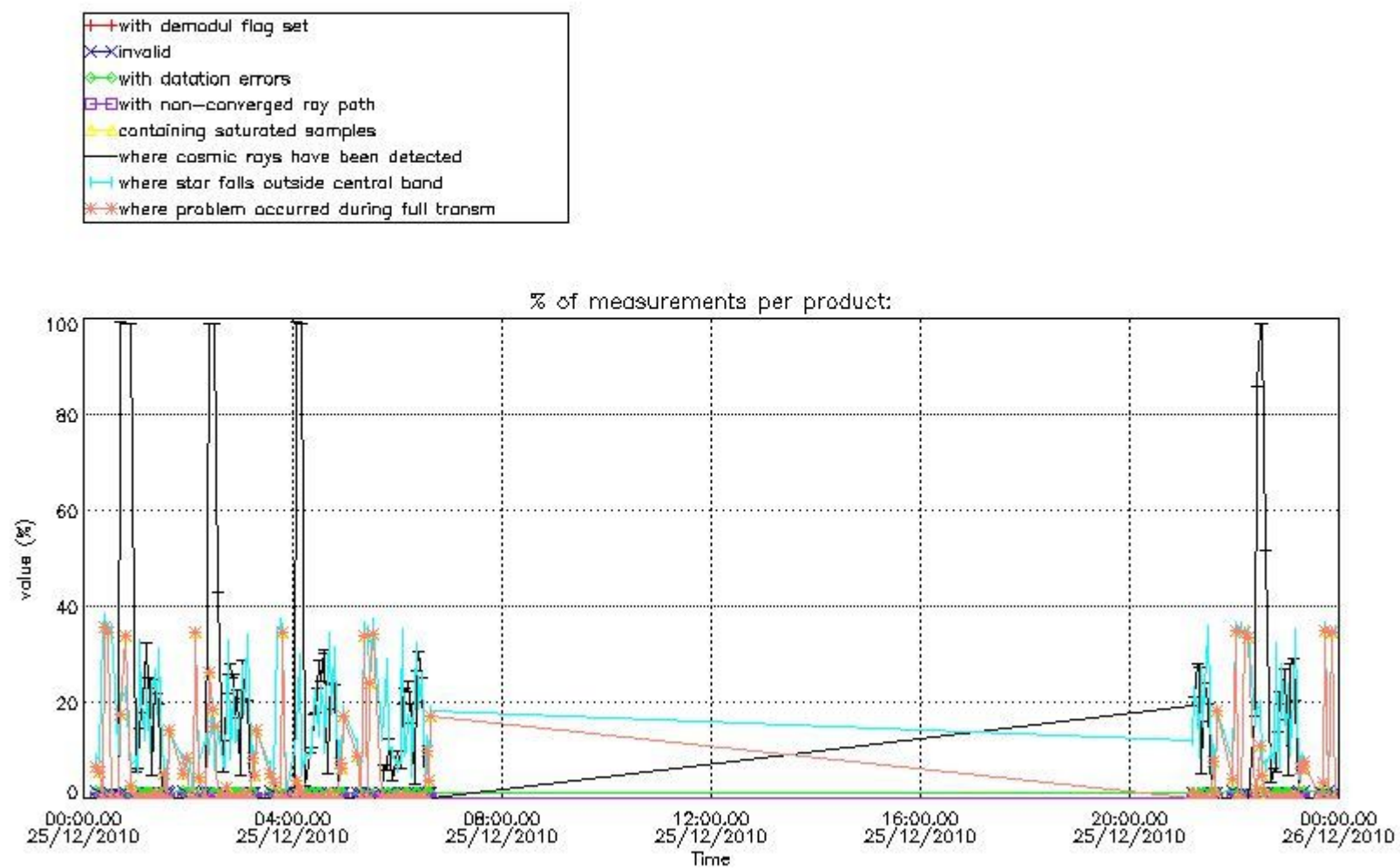
In this section it is presented the modulation information extracted from the pcd (product confidence data)

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:

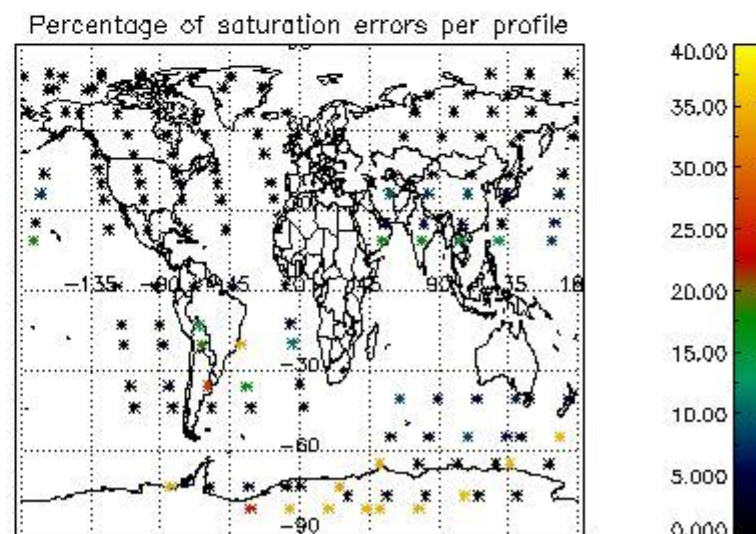
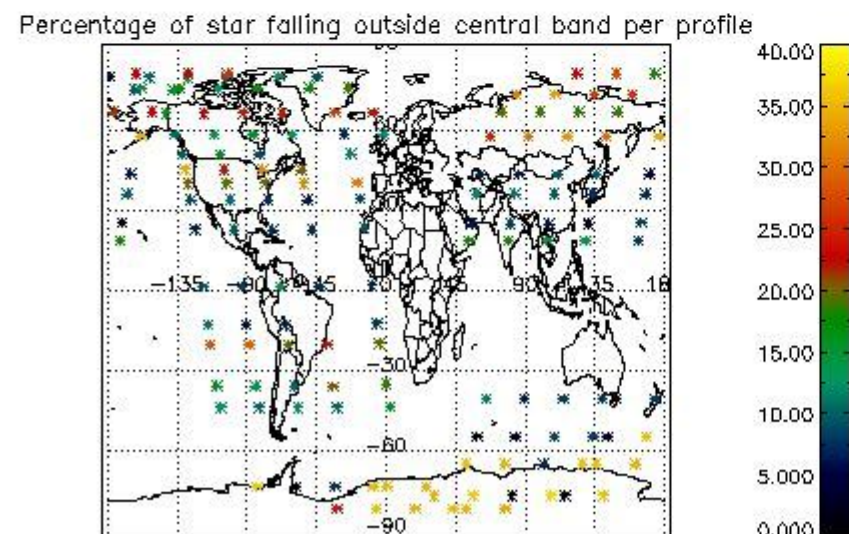
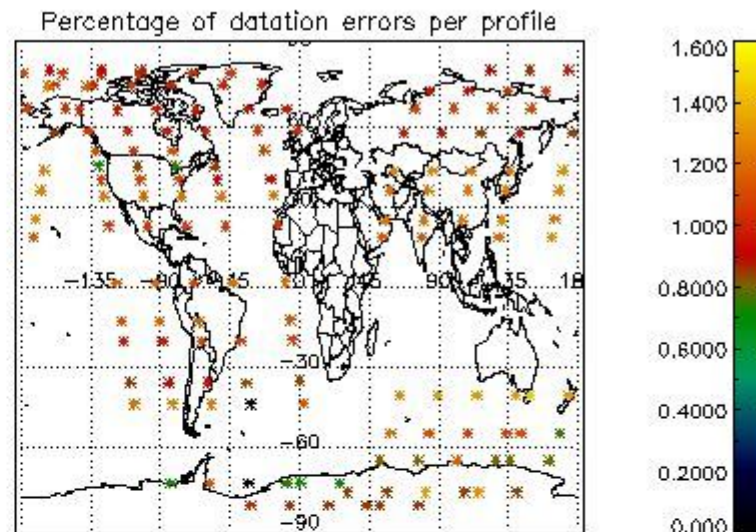
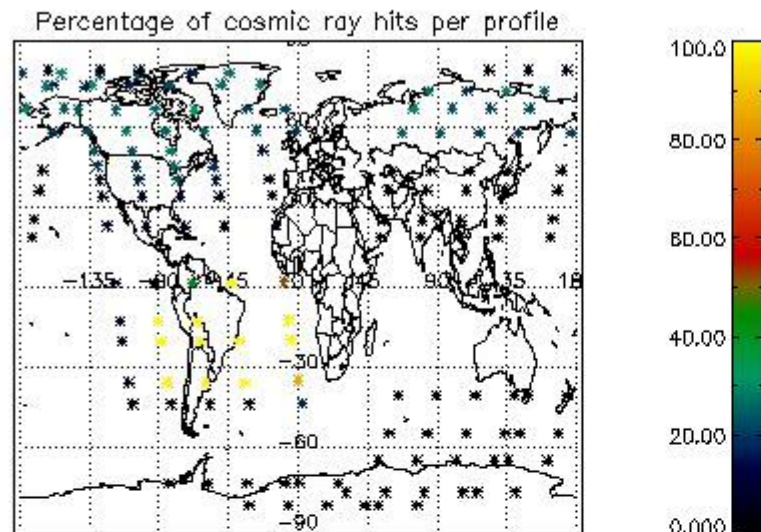
At least one measurement with demodulation flag set:	54.1936 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





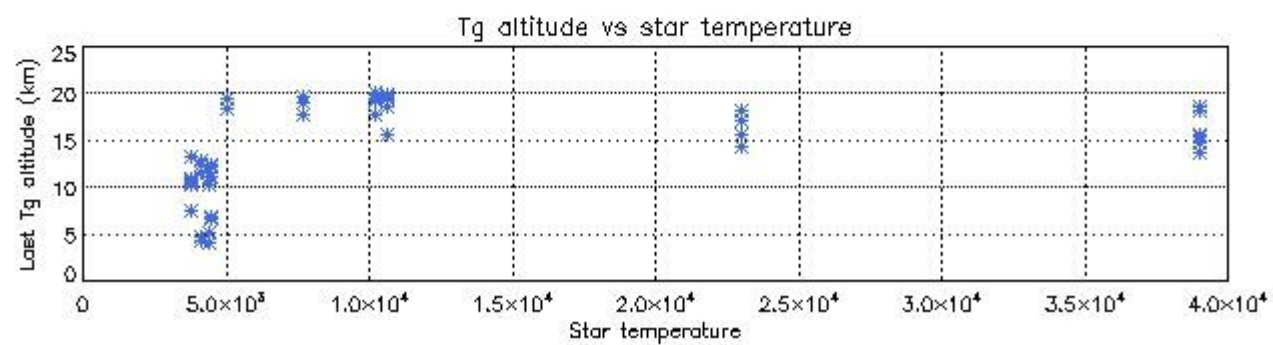
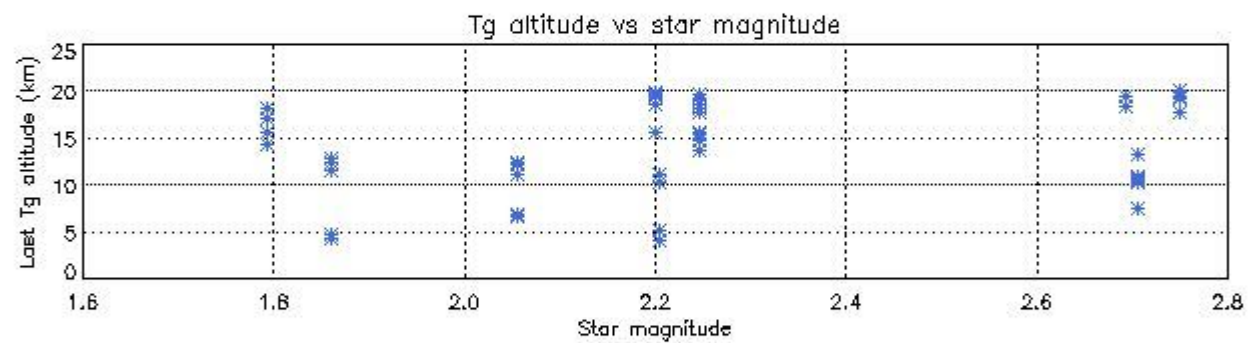
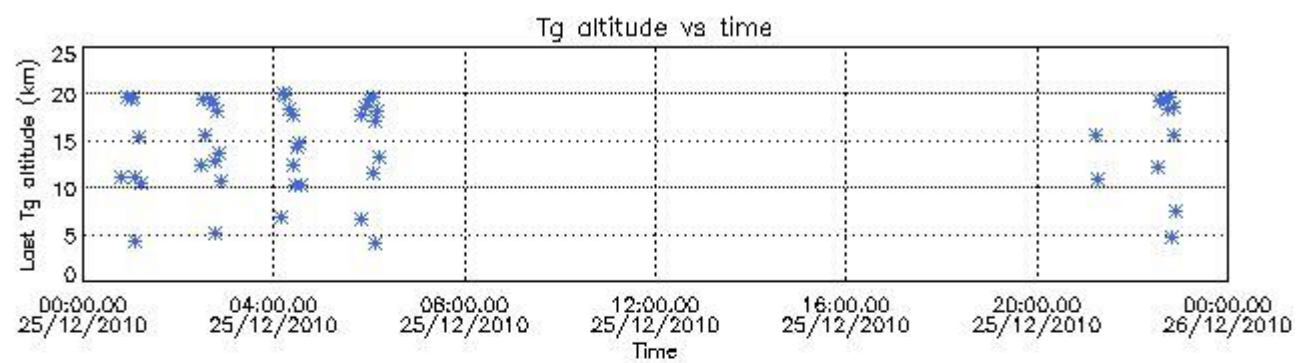
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.491	14.765	NaN
St. deviation:	4.9146	7.6050	NaN
Maximum:	20.023	27.411	NaN
Minimum:	3.9875	3.6733	NaN
Number of data:	49.000	65.000	NaN

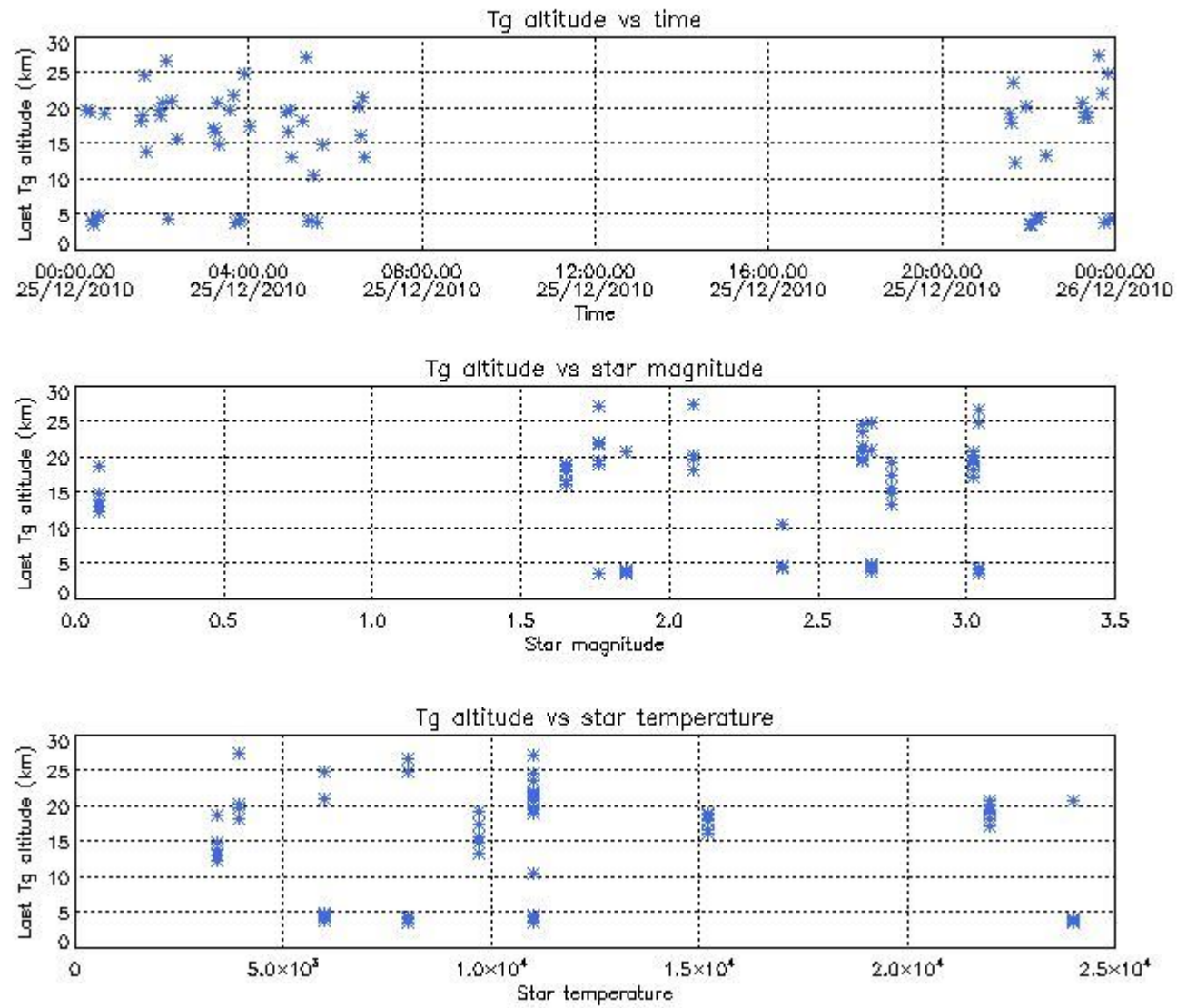
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



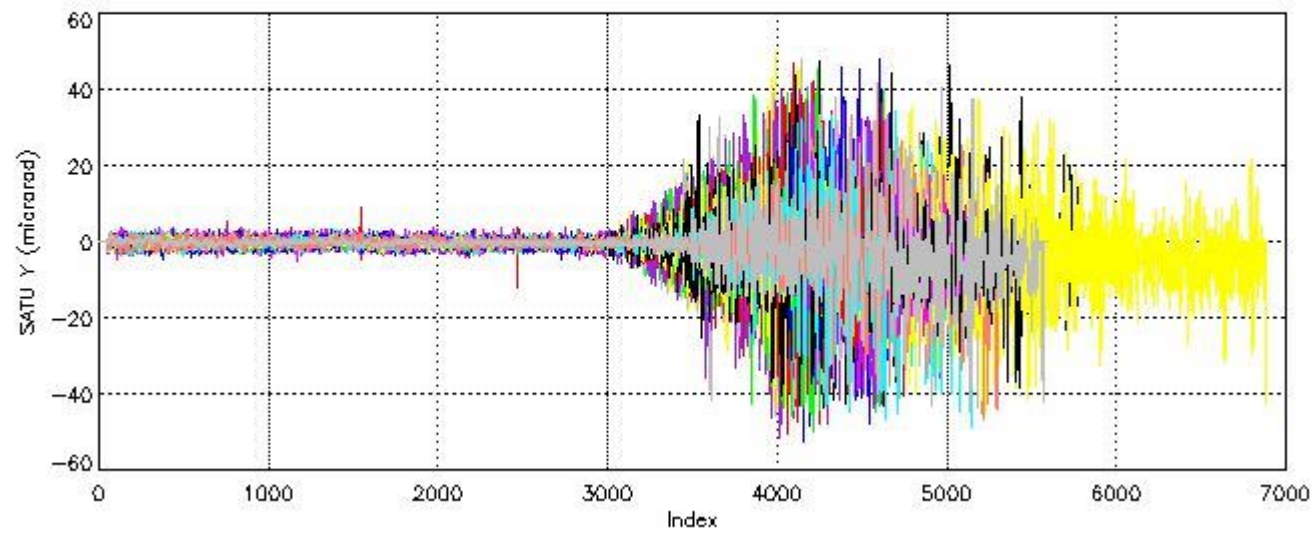
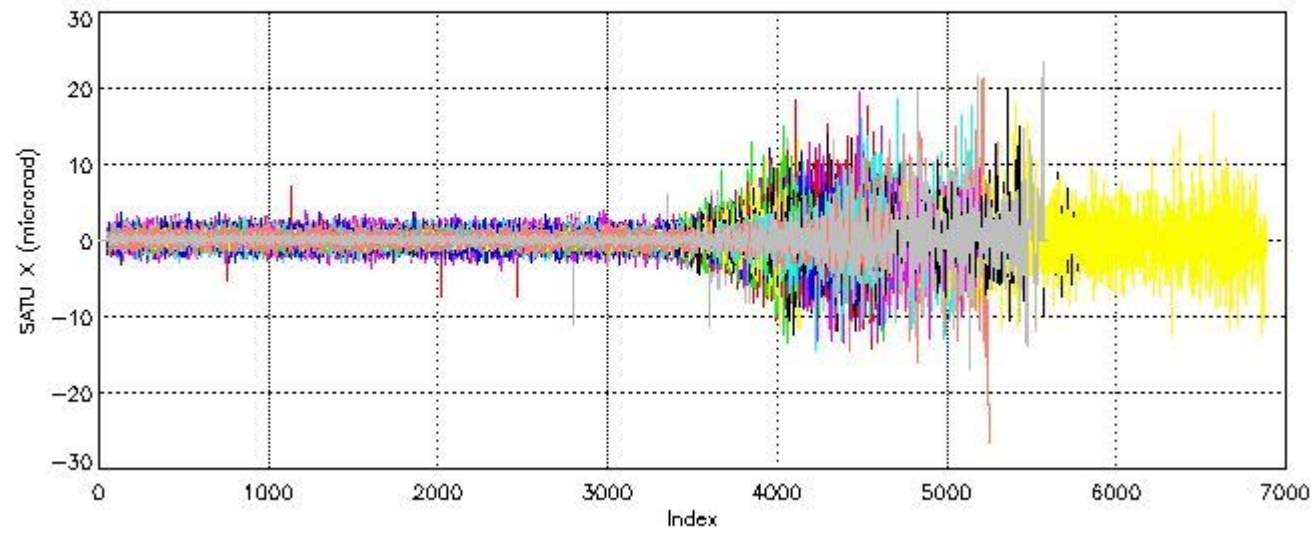
## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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





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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.22364	-0.30383	0.15398	-0.26212
St. deviation:	0.51930	0.75406	0.84399	1.0126
Maximum:	3.8000	5.3000	6.1000	7.3000
Minimum:	-5.3000	-4.6000	-5.6000	-6.5000

Number of data:	51700.	51700.	62600.	62600.
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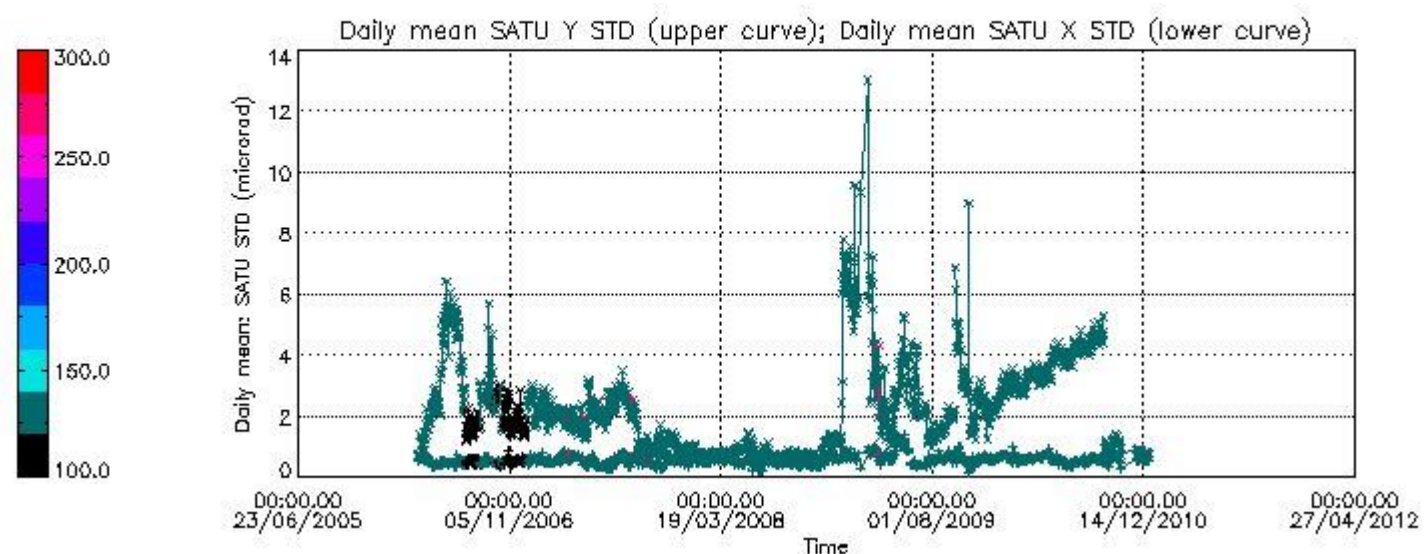
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

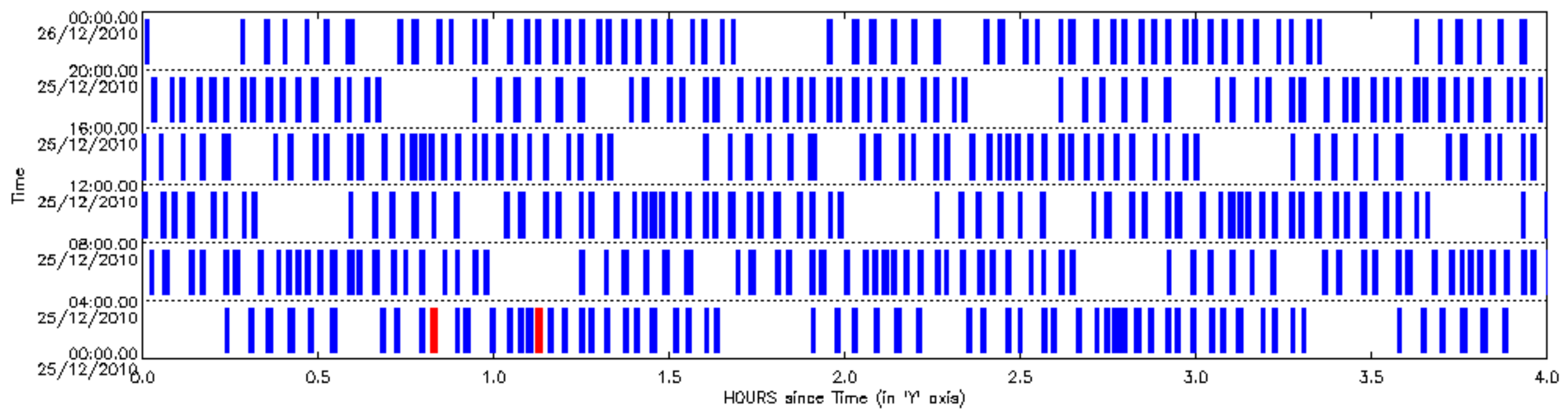
Lower curve: STD of SATU X axis



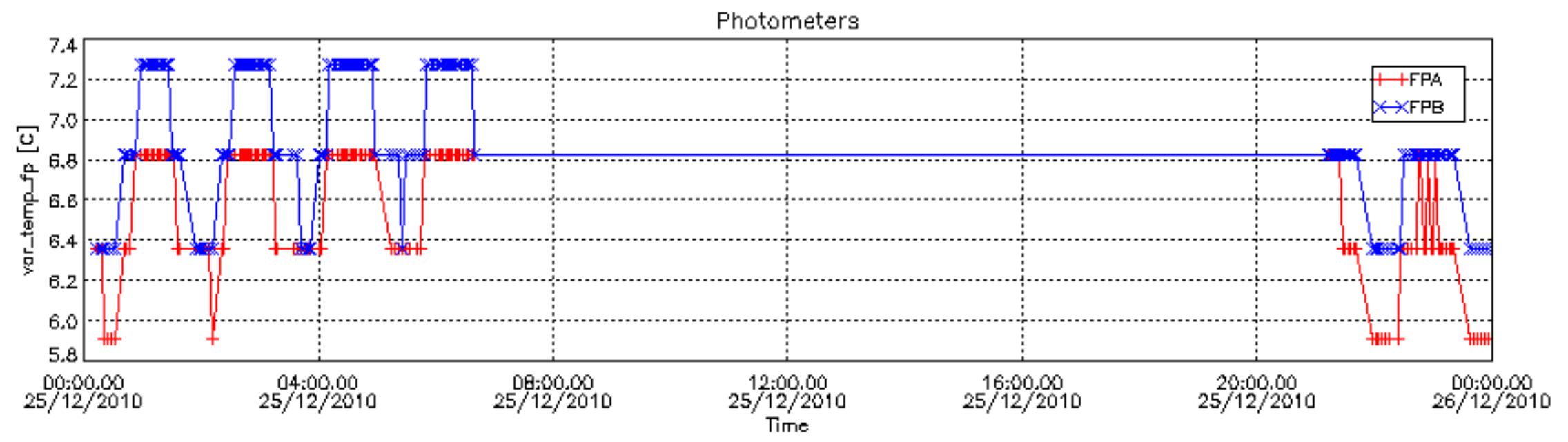
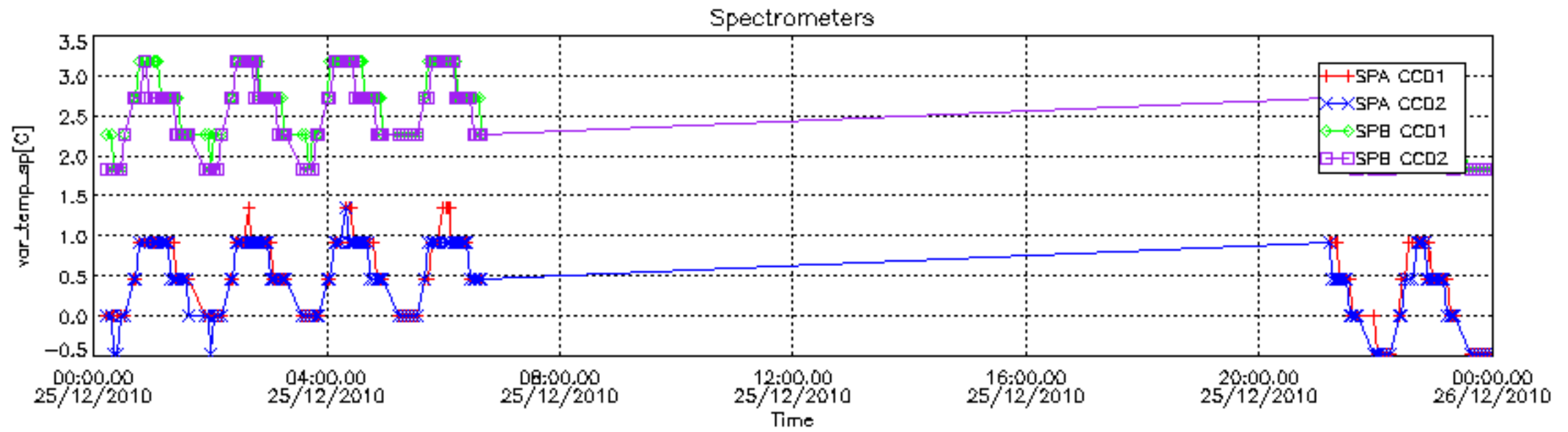
### 8. Auxiliary Data Files used for the production reported in section 2.4

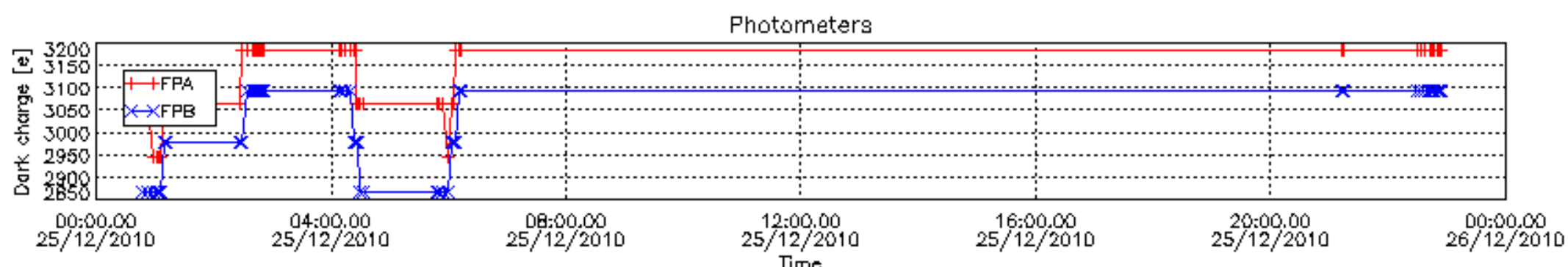
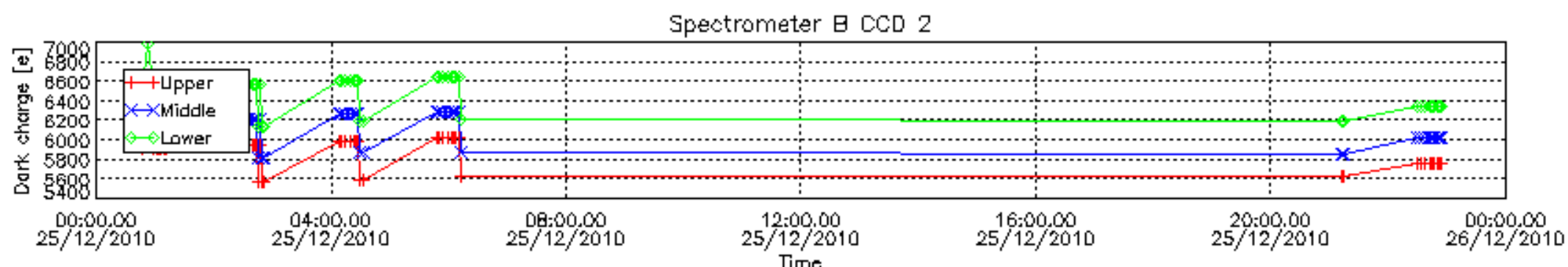
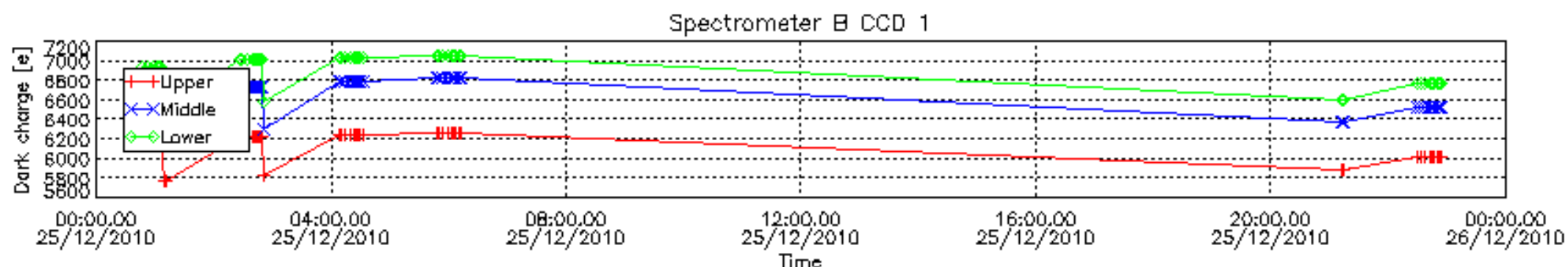
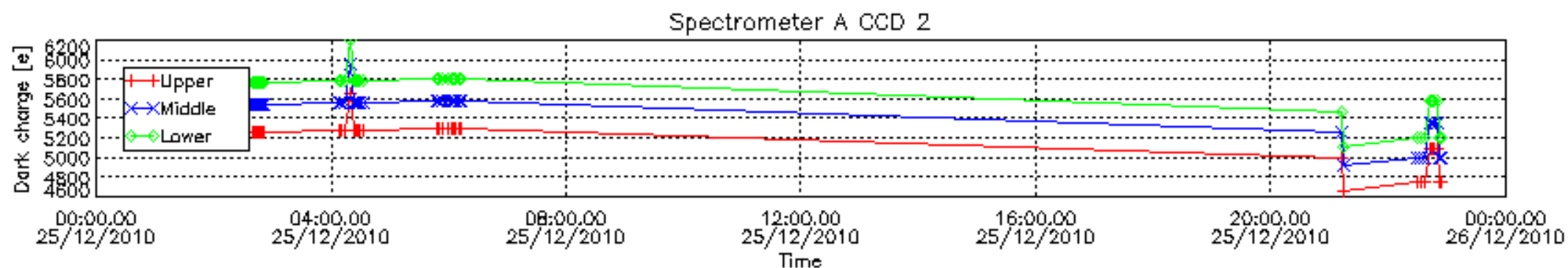
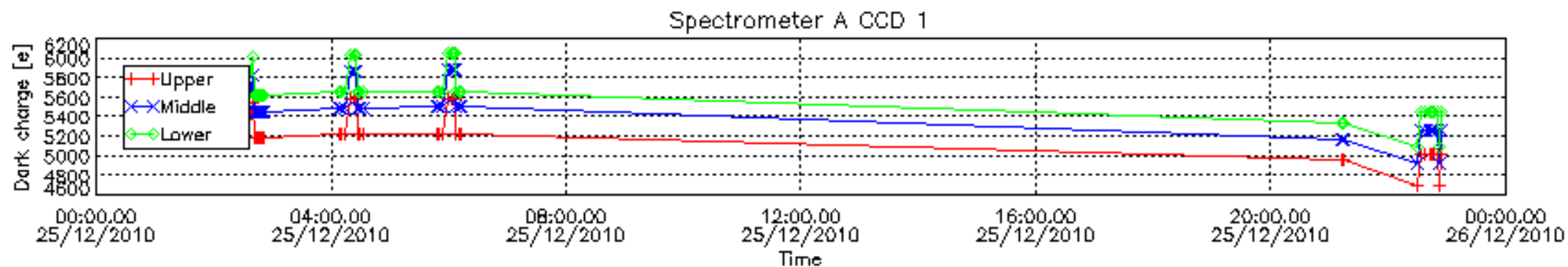
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

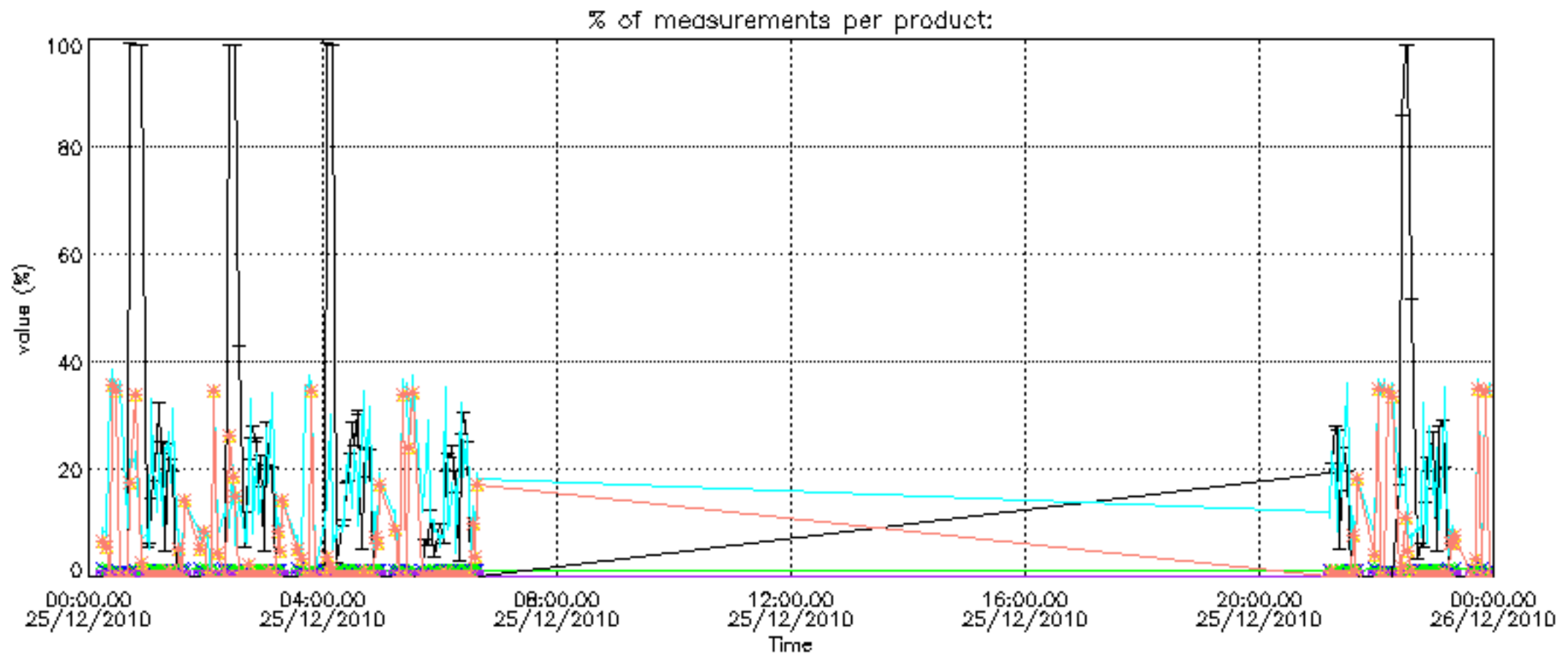
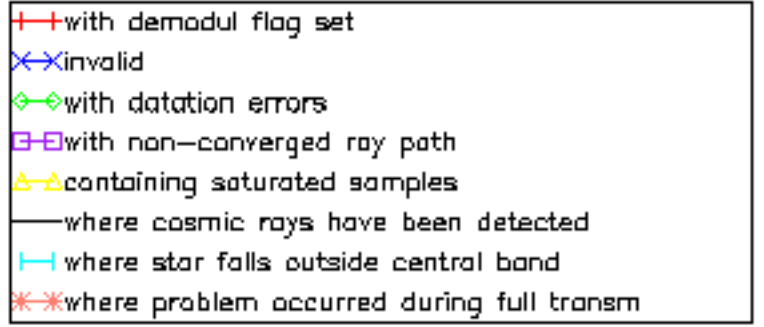
Type	Auxiliary Filename	Used since product	Used since product date
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101220_121136_20101219_000000_20500101_000000	1	25-DEC-2010 00:14:02
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	25-DEC-2010 00:14:02
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	25-DEC-2010 00:14:02
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	25-DEC-2010 00:14:02
ECMWF_FILE	AUX_ECA_AXNECM20101225_052115_20101224_210000_20101225_090000	1	25-DEC-2010 00:14:02
ECMWF_FILE	AUX_ECF_AXNECM20101224_054116_20101224_210000_20101225_090000	8	25-DEC-2010 00:42:56
ECMWF_FILE	AUX_ECF_AXNECM20101224_172116_20101225_030000_20101225_150000	55	25-DEC-2010 03:34:30
ECMWF_FILE	AUX_ECA_AXNECM20101225_052115_20101224_210000_20101225_090000	83	25-DEC-2010 05:14:44
ECMWF_FILE	AUX_ECF_AXNECM20101225_054115_20101225_210000_20101226_090000	111	25-DEC-2010 21:12:15
OPTIONAL_ECMWF_FILE	MISSING	1	25-DEC-2010 00:14:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101224_225744_000057383097_00403_46107_2196.N1	1	25-DEC-2010 00:14:02
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101225_032842_000057383097_00406_46110_2199.N1	55	25-DEC-2010 03:34:30
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20101224_222117_20101224_195214_20110103_202553	83	25-DEC-2010 05:14:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101225_211120_000038253097_00417_46121_2201.N1	111	25-DEC-2010 21:12:15
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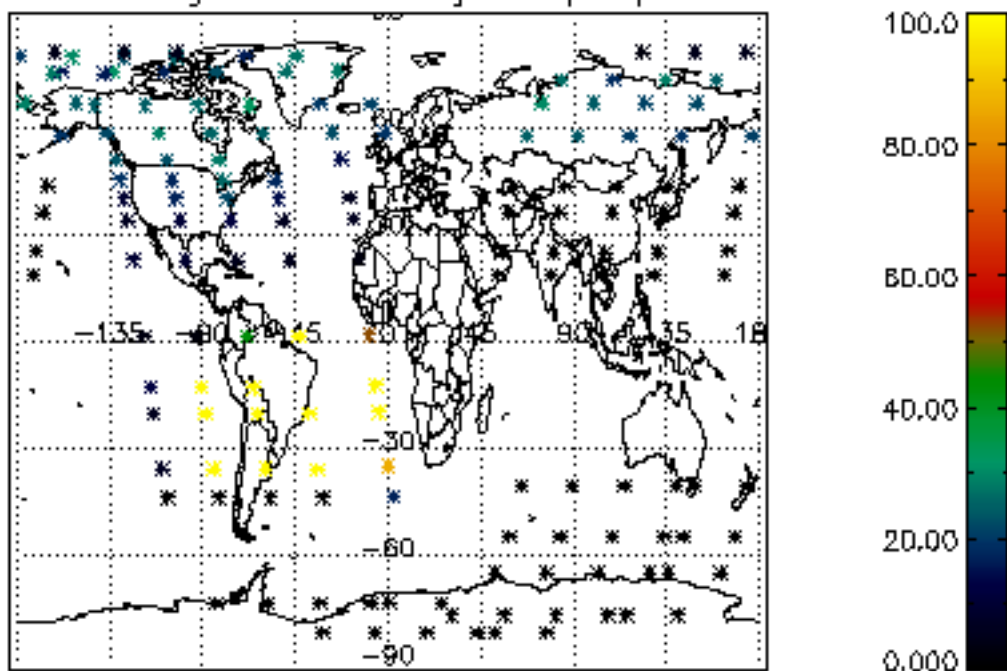




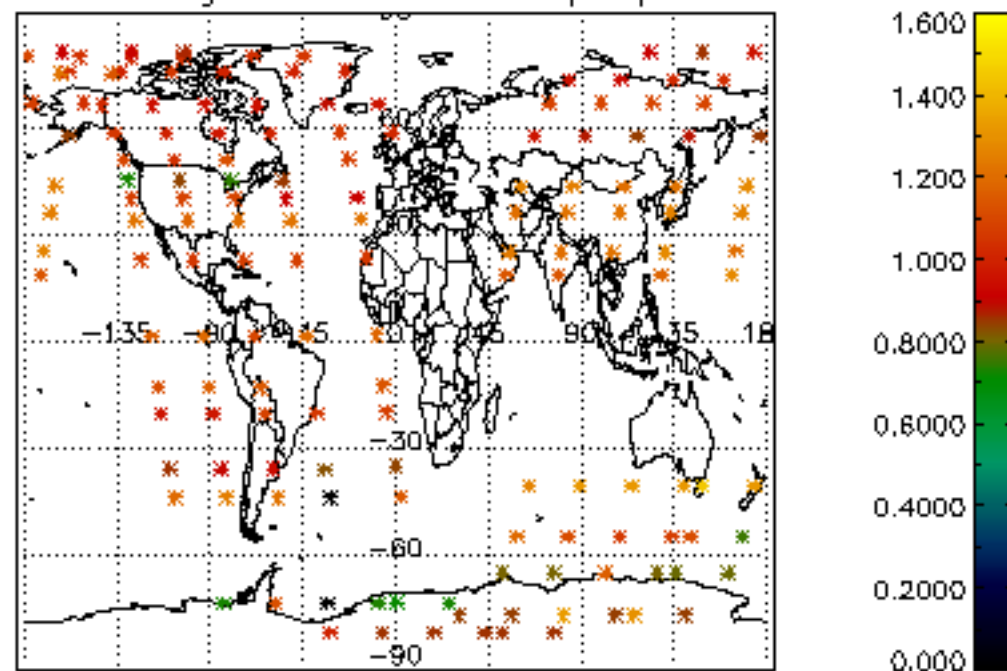




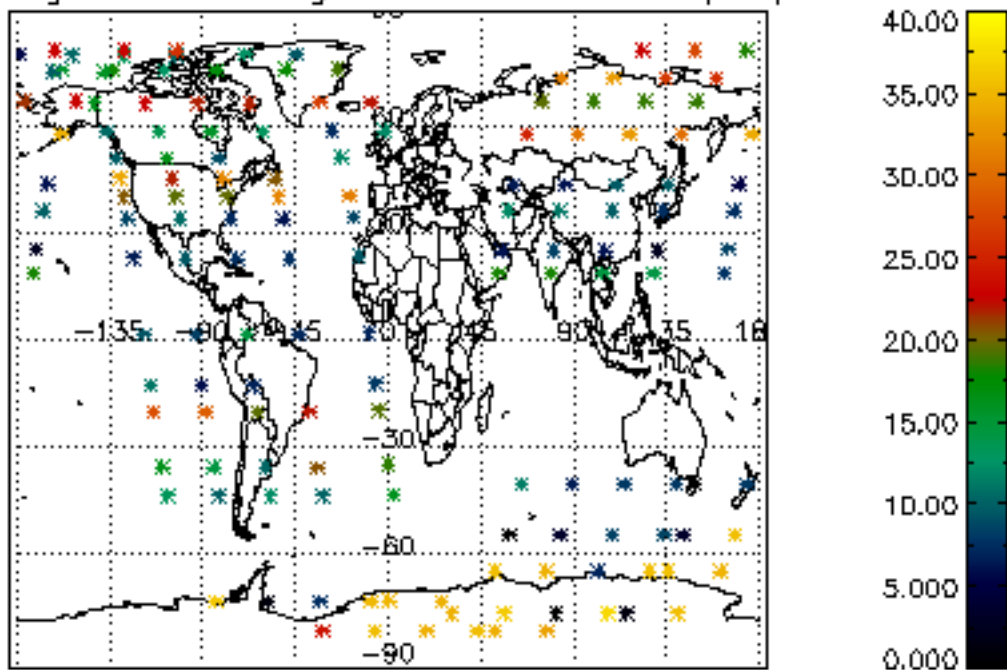
Percentage of cosmic ray hits per profile



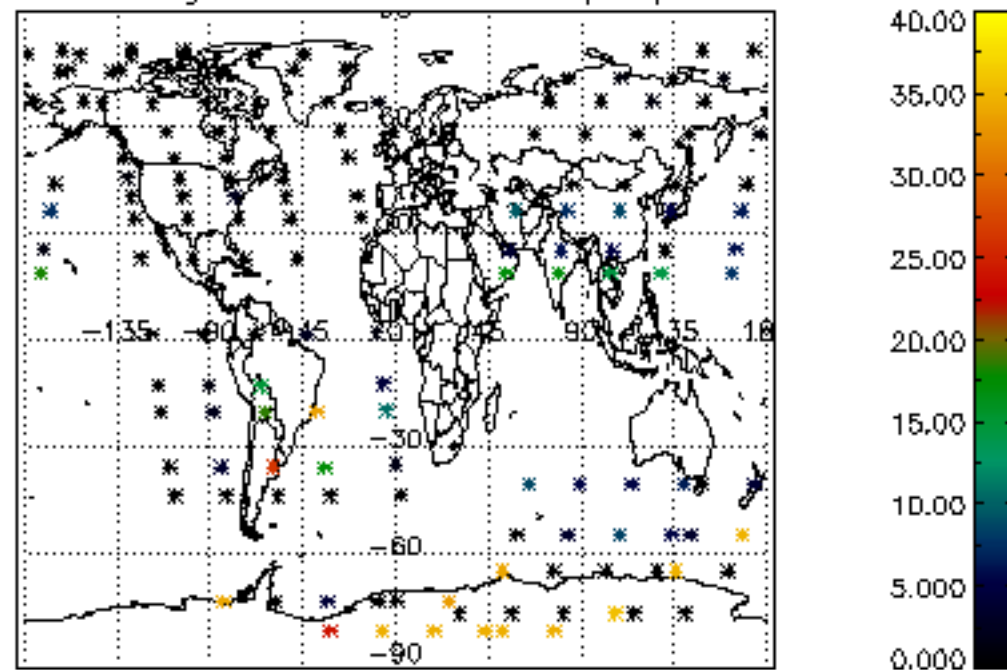
Percentage of datation errors per profile



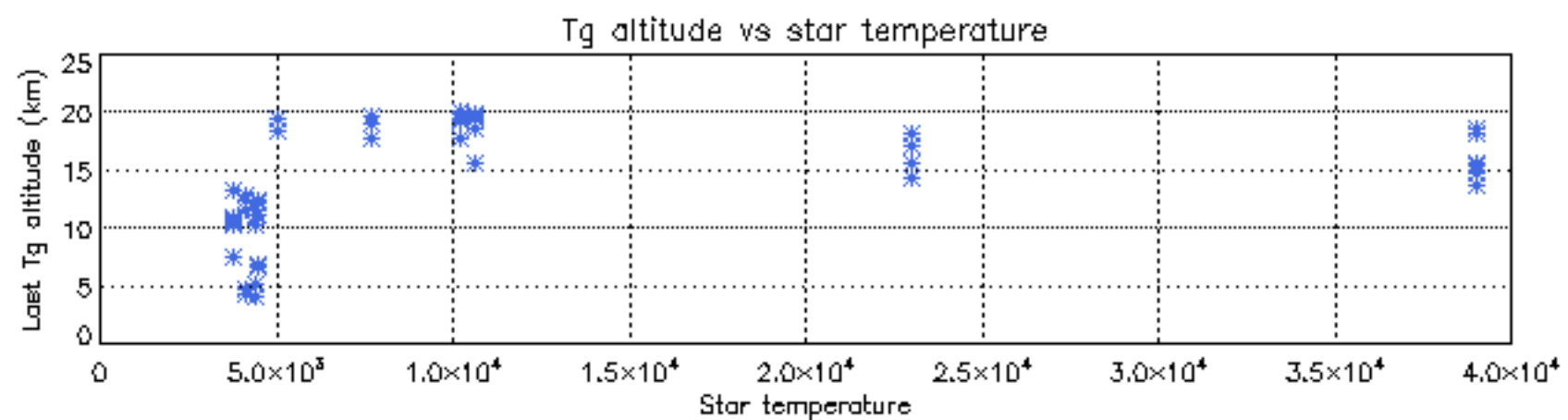
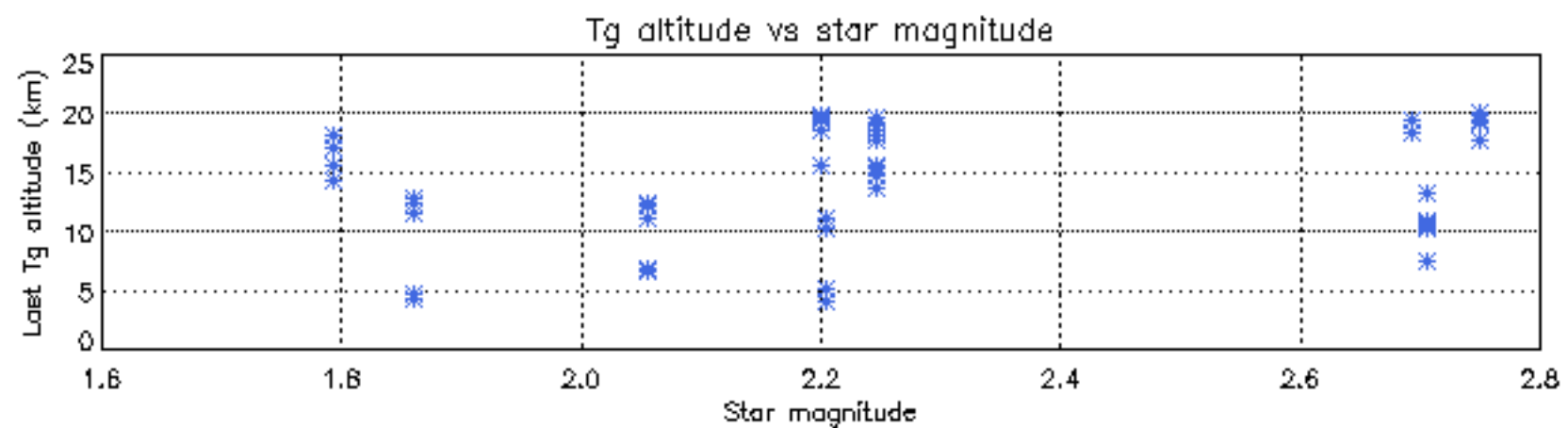
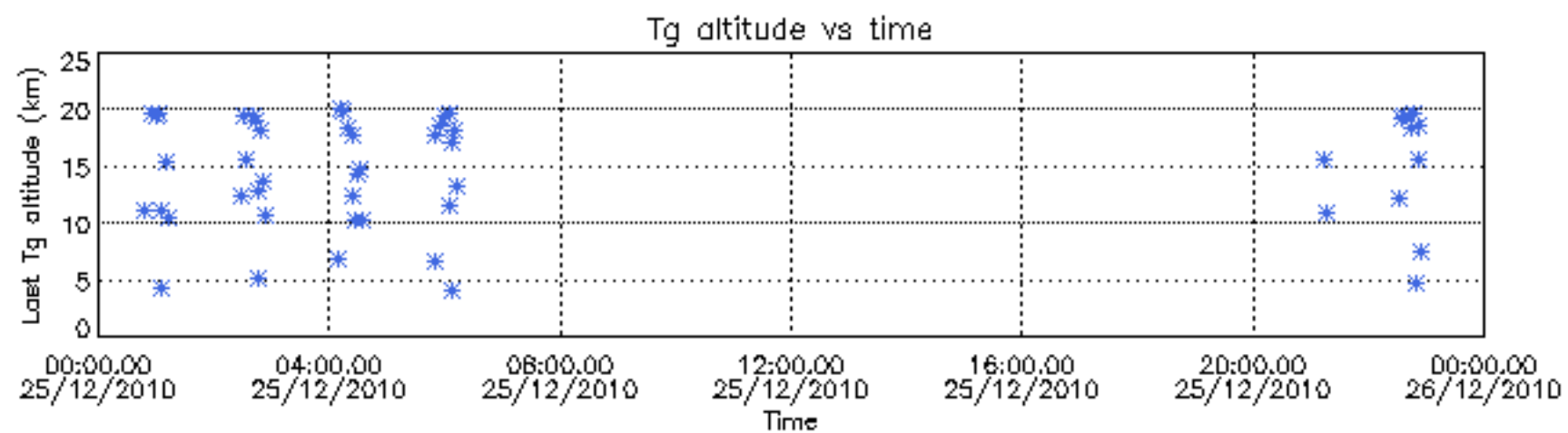
Percentage of star falling outside central band per profile



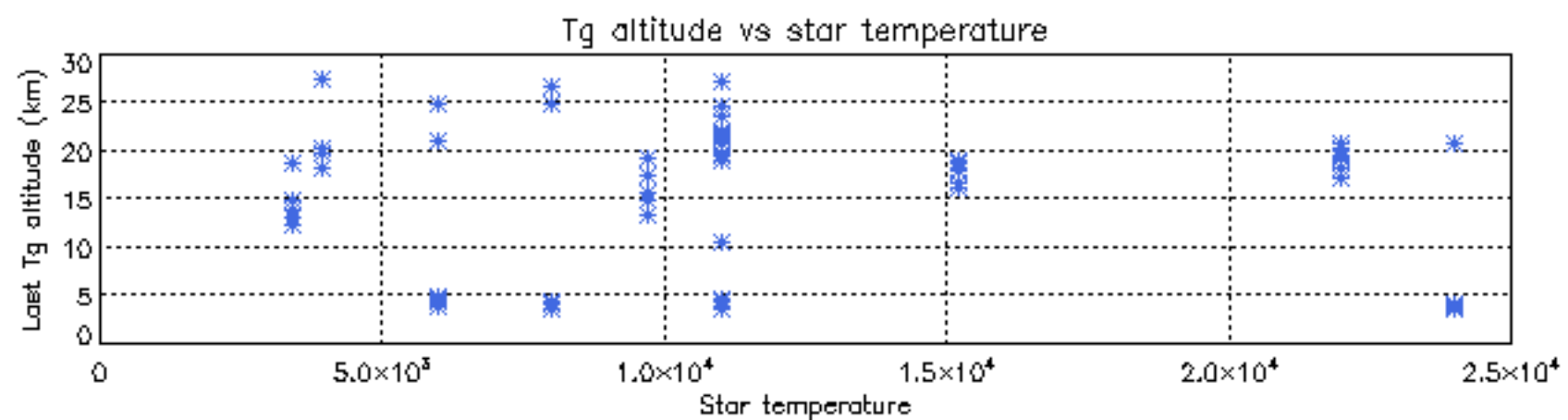
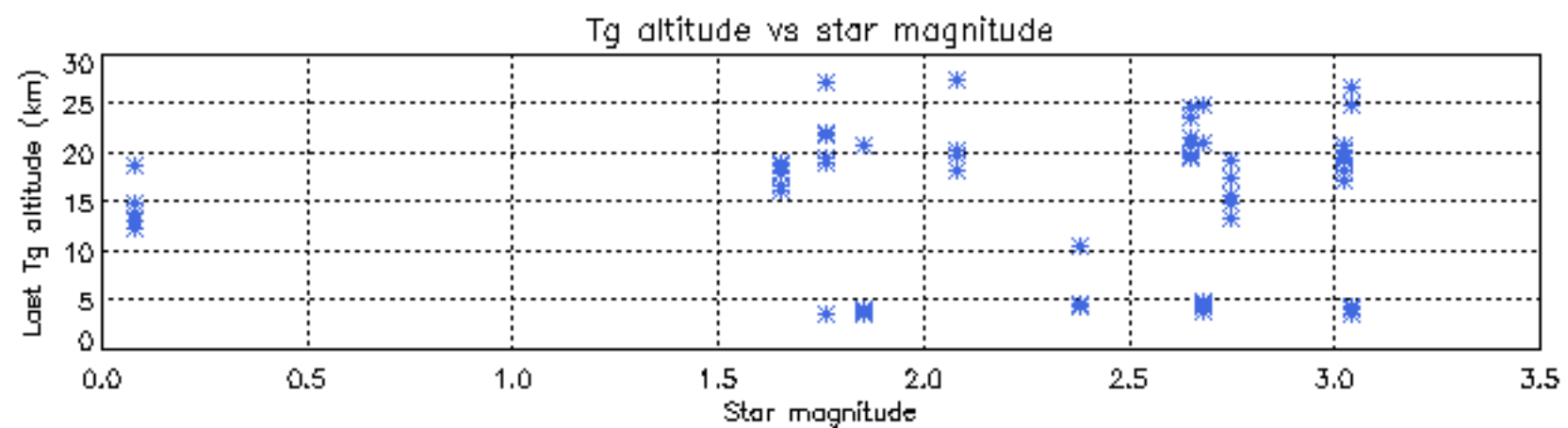
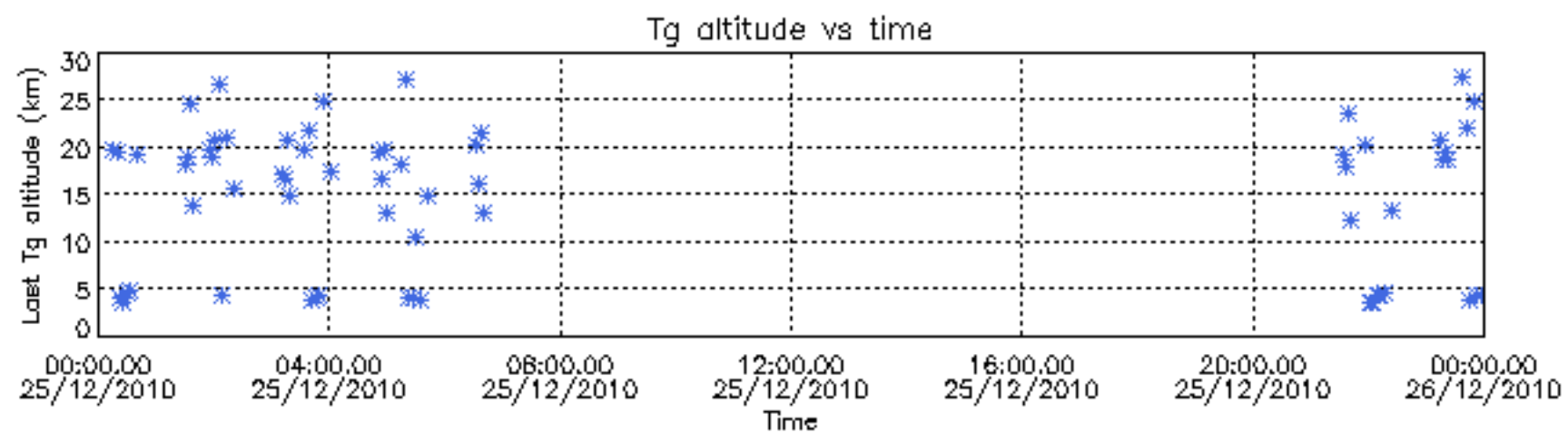
Percentage of saturation errors per profile



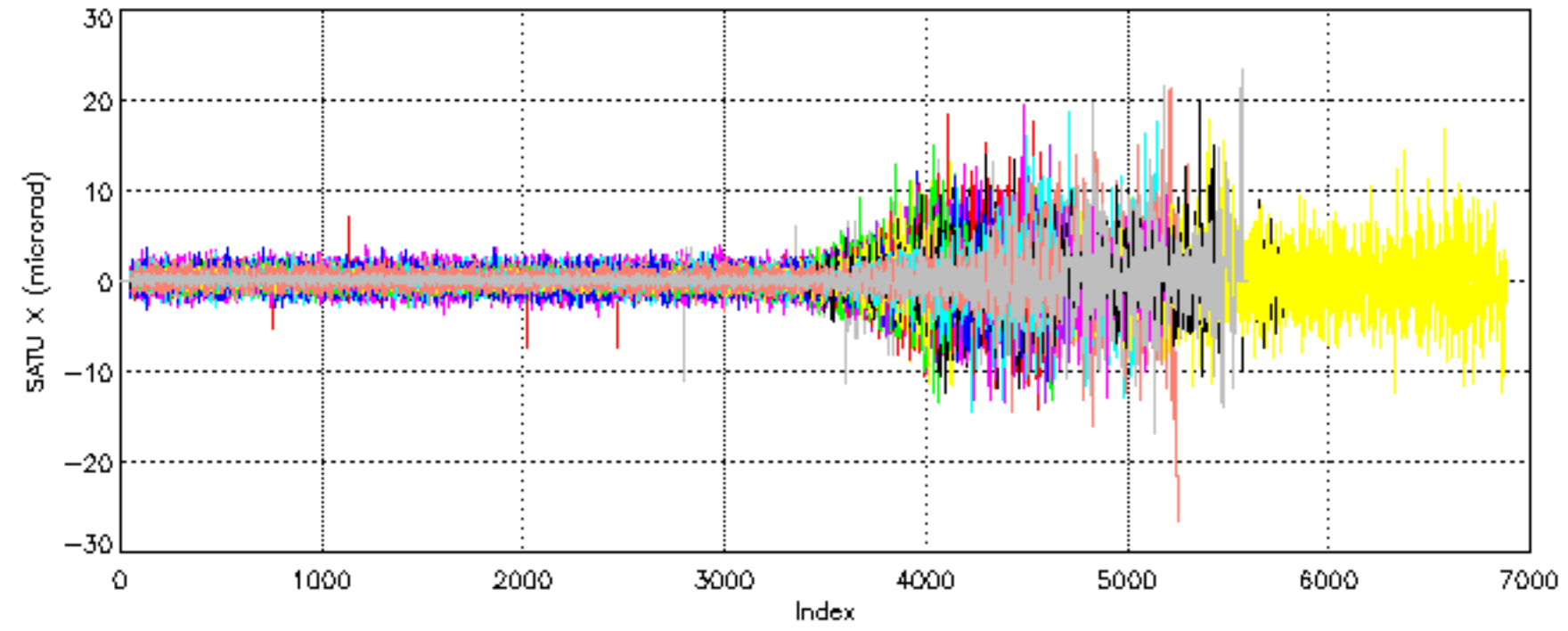
Tangent altitude at which the star is lost

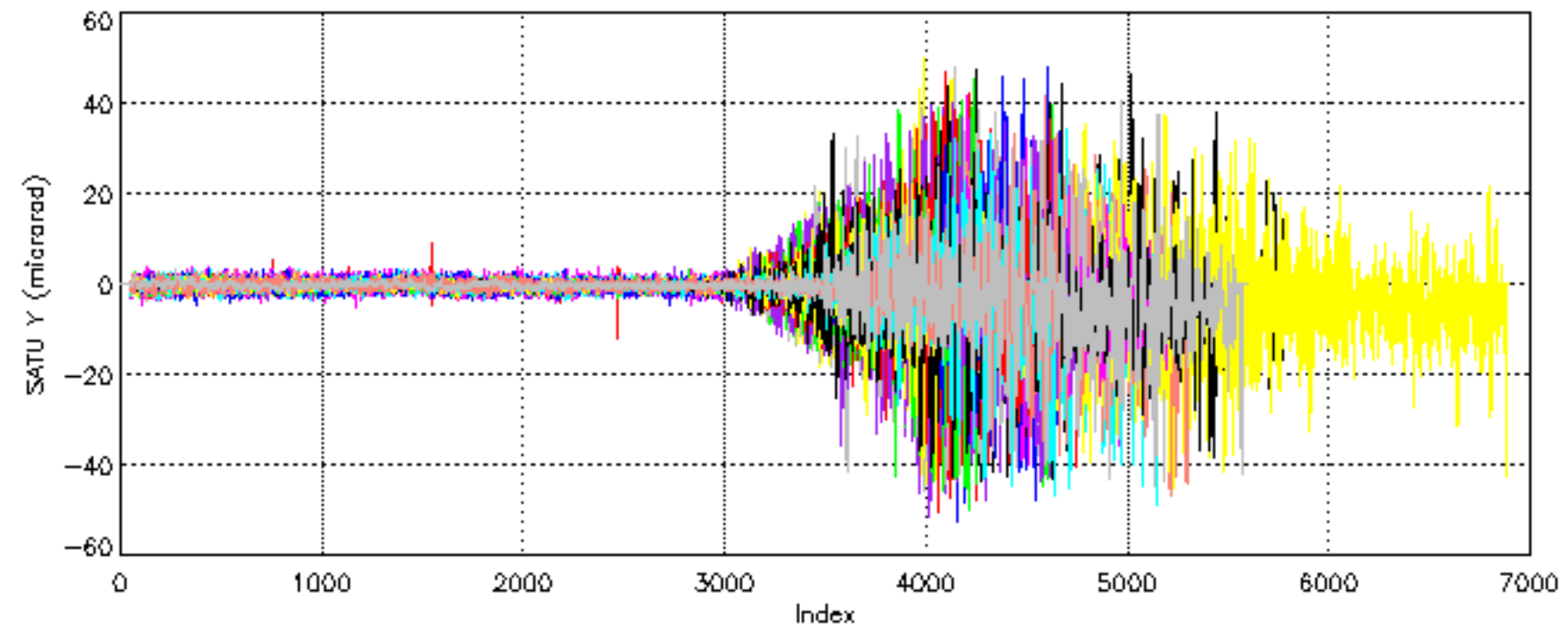


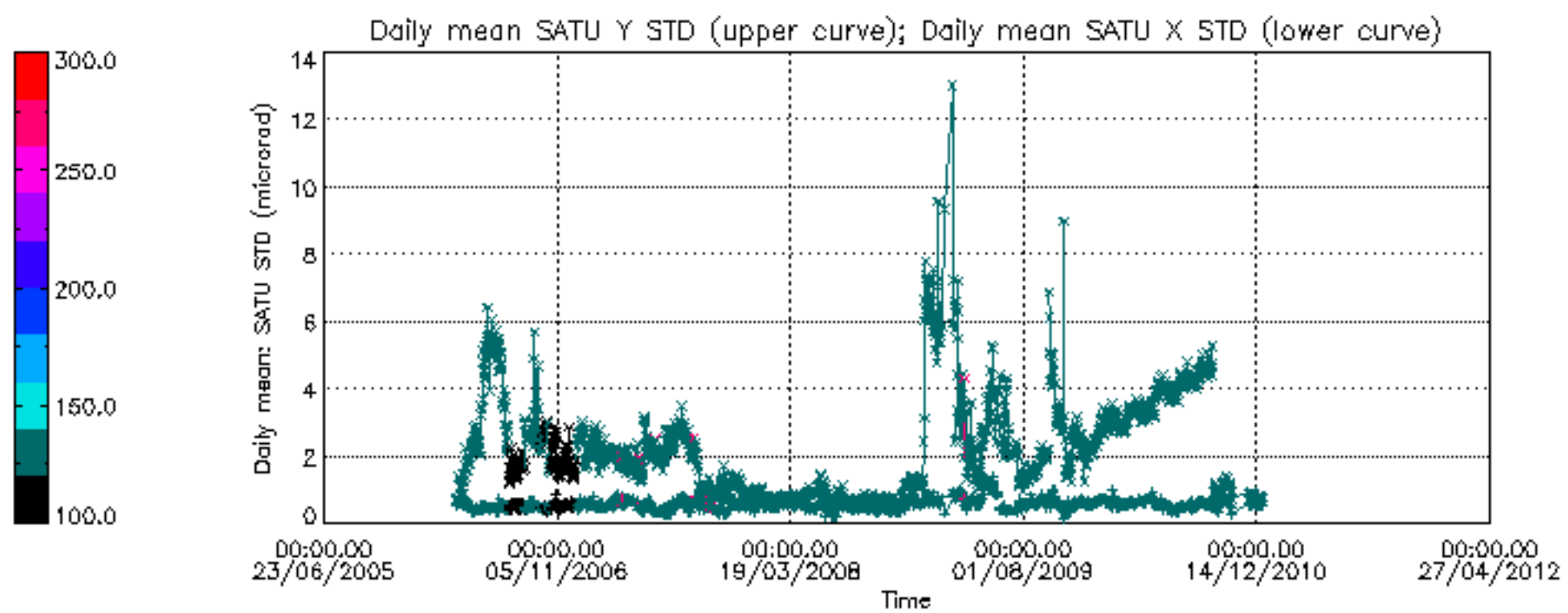
Tangent altitude at which the star is lost











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 16; 2442.1; 06-DEC-2010 23:12:51; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;45849  
 17; 2525.7; 06-DEC-2010 23:14:15; Bright; 44.0; 114; 3Iot Aur ; 2.69; 4600;occ; 88; 0;45849  
 18; 2709.9; 06-DEC-2010 23:17:19; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;45849  
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 22; 3984.9; 06-DEC-2010 23:38:34; Bright; 37.5; 32; 77Eps UMa ; 1.76; 11000;occ; 75; 0;45849  
 23; 4120.1; 06-DEC-2010 23:40:49; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;45849  
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 25; 4671.5; 06-DEC-2010 23:50:01; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;45849  
 26; 4871.5; 06-DEC-2010 23:53:21; Bright; 44.0; 138; 47Eps Vir ; 2.83; 4700;occ; 88; 0;45849  
 27; 5150.4; 06-DEC-2010 23:58:00; Dark ; 53.5; 121; 29Gam Vir ; 2.74; 7200;occ; 107; 0;45849

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 6; -1345.0; 06-DEC-2010 07:07:38; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;45839  
 7; -1146.9; 06-DEC-2010 07:10:56; Bright; 45.0; 138; 47Eps Vir ; 2.83; 4700;occ; 90; 0;45839  
 8; -870.5; 06-DEC-2010 07:15:33; Dark ; 55.0; 121; 29Gam Vir ; 2.74; 7200;occ; 110; 0;45839  
 9; -514.6; 06-DEC-2010 07:21:28; Dark ; 50.0; 100; 4Gam Crv ; 2.58; 13100;occ; 100; 0;45839  
 10; -418.3; 06-DEC-2010 07:23:05; Dark ; 51.0; 171; 2Eps Crv ; 3.00; 4250;occ; 102; 0;45839  
 11; 142.2; 06-DEC-2010 07:32:25; Dark ; 54.0; 113; Mu Vel ; 2.69; 5000;occ; 108; 0;45840  
 12; 467.8; 06-DEC-2010 07:37:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45840  
 13; 661.0; 06-DEC-2010 07:41:04; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;45840  
 14; 836.1; 06-DEC-2010 07:43:59; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;45840  
 15; 967.9; 06-DEC-2010 07:46:11; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;45840  
 16; 1211.5; 06-DEC-2010 07:50:15; Dark ; 45.0; 108; Alp Col ; 2.65; 15200;occ; 90; 0;45840  
 17; 1534.6; 06-DEC-2010 07:55:38; Dark ; 48.0; 101; 11Alp Lep ; 2.58; 7000;occ; 96; 0;45840

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 5; 2306.6; 06-DEC-2010 08:08:30; Bright; 39.0; 146; 25Eta Tau ; 2.87; 15200;occ; 78; 0;45840  
 6; 2443.4; 06-DEC-2010 08:10:46; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;45840  
 7; 2529.7; 06-DEC-2010 08:12:13; Bright; 44.0; 114; 3Iot Aur ; 2.69; 4600;occ; 88; 0;45840  
 8; 2711.1; 06-DEC-2010 08:15:14; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45840  
 9; 2873.9; 06-DEC-2010 08:17:57; Bright; 32.0; 42; 34Bet Aur ; 1.90; 10200;occ; 64; 0;45840



10; 3772.8; 06-DEC-2010 08:32:56; Bright; 46.5; 36; 50Alp UMA ; 1.80; 6300;occ; 93; 0;45840  
 11; 3865.6; 06-DEC-2010 08:34:29; Bright; 47.0; 82; 48Bet UMA ; 2.37; 10600;occ; 94; 0;45840  
 12; 3986.2; 06-DEC-2010 08:36:29; Bright; 41.0; 32; 77Eps UMA ; 1.76; 11000;occ; 82; 0;45840  
 13; 4120.3; 06-DEC-2010 08:38:43; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;45840  
 14; 4330.0; 06-DEC-2010 08:42:13; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;45840  
 15; 4669.4; 06-DEC-2010 08:47:52; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;45840  
 16; 4867.7; 06-DEC-2010 08:51:11; Bright; 45.0; 138; 47Eps Vir ; 2.83; 4700;occ; 90; 0;45840  
 17; 5144.0; 06-DEC-2010 08:55:47; Dark ; 52.0; 121; 29Gam Vir ; 2.74; 7200;occ; 104; 0;45840  
 18; 5500.3; 06-DEC-2010 09:01:43; Dark ; 51.0; 100; 4Gam Crv ; 2.58; 13100;occ; 102; 0;45840  
 19; 5596.7; 06-DEC-2010 09:03:20; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;45840  
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 22; 6675.5; 06-DEC-2010 09:21:19; Dark ; 51.0; 34; Gam2Vel ; 1.79; 23000;occ; 102; 0;45841  
 23; 6850.5; 06-DEC-2010 09:24:14; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;45841  
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 25; 7225.8; 06-DEC-2010 09:30:29; Dark ; 42.0; 108; Alp Col ; 2.65; 15200;occ; 84; 0;45841  
 26; 7548.7; 06-DEC-2010 09:35:52; Dark ; 49.5; 101; 11Alp Lep ; 2.58; 7000;occ; 99; 0;45841

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 8; 2710.8; 06-DEC-2010 09:55:28; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;45841  
 9; 2873.0; 06-DEC-2010 09:58:10; Bright; 32.0; 42; 34Bet Aur ; 1.90; 10200;occ; 64; 0;45841  
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 13; 4120.3; 06-DEC-2010 10:18:57; Bright; 37.0; 39; 85Eta UMA ; 1.85; 24000;occ; 74; 0;45841  
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 17; 5144.8; 06-DEC-2010 10:36:02; Dark ; 51.0; 121; 29Gam Vir ; 2.74; 7200;occ; 102; 0;45841  
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 19; 5597.6; 06-DEC-2010 10:43:35; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;45841  
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 24; 6983.4; 06-DEC-2010 11:06:41; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;45842  
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 17; 5145.5; 06-DEC-2010 12:16:17; Dark ; 50.5; 121; 29Gam Vir ; 2.74; 7200;occ; 101; 0;45842  
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 22; 6677.4; 06-DEC-2010 12:41:49; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;45843  
 23; 6851.4; 06-DEC-2010 12:44:42; Dark ; 51.0; 2; Alp Car ; -0.74; 7000;occ; 102; 0;45843

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 23; 5616.4; 07-DEC-2010 18:28:20; Dark ; 53.5; 171; 2Eps Crv ; 3.00; 4250;occ; 107; 0;45860  
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17; 2065.7; 14-DEC-2010 23:13:28; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;45964
18; 2178.1; 14-DEC-2010 23:15:20; Dark ; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;45964
19; 2316.6; 14-DEC-2010 23:17:39; Bright; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;45964
20; 2439.1; 14-DEC-2010 23:19:41; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;45964
21; 2658.1; 14-DEC-2010 23:23:20; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45964
22; 2787.1; 14-DEC-2010 23:25:29; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;45964
23; 3686.2; 14-DEC-2010 23:40:29; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;45964

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24; 3965.2; 14-DEC-2010 23:45:07; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45964  
 25; 4117.4; 14-DEC-2010 23:47:40; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;45964  
 26; 4315.4; 14-DEC-2010 23:50:58; Bright; 44.5; 180; 27Gam Boo ; 3.04; 8000;occ; 89; 0;45964  
 27; 4506.5; 14-DEC-2010 23:54:09; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;45964  
 28; 4702.8; 14-DEC-2010 23:57:25; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;45964  
 29; 4933.9; 15-DEC-2010 00:01:16; Bright; 51.0; 138; 47Eps Vir ; 2.83; 4700;occ; 102; 0;45964  
 30; 5290.8; 15-DEC-2010 00:07:13; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;45964

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 13; 16.4; 14-DEC-2010 07:37:13; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;45955  
 14; 241.0; 14-DEC-2010 07:40:57; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;45955  
 15; 474.6; 14-DEC-2010 07:44:51; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;45955  
 16; 558.8; 14-DEC-2010 07:46:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45955  
 17; 750.4; 14-DEC-2010 07:49:27; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;45955  
 18; 886.3; 14-DEC-2010 07:51:42; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;45955  
 19; 1044.1; 14-DEC-2010 07:54:20; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;45955  
 20; 1242.0; 14-DEC-2010 07:57:38; Dark ; 56.5; 23; 21Eps CMa ; 1.50; 26000;occ; 113; 0;45955  
 21; 1521.8; 14-DEC-2010 08:02:18; Dark ; 55.0; 47; 2Bet CMa ; 1.98; 28000;occ; 110; 0;45955

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 5; 2320.6; 14-DEC-2010 08:15:37; Bright; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;45955  
 6; 2442.9; 14-DEC-2010 08:17:39; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;45955  
 7; 2664.2; 14-DEC-2010 08:21:20; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45955  
 8; 2792.8; 14-DEC-2010 08:23:29; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45955  
 9; 3721.4; 14-DEC-2010 08:38:58; Bright; 47.5; 36; 50Alp UMa ; 1.80; 6300;occ; 95; 0;45955  
 10; 3966.9; 14-DEC-2010 08:43:03; Bright; 43.5; 32; 77Eps UMa ; 1.76; 11000;occ; 87; 0;45955  
 11; 4118.0; 14-DEC-2010 08:45:34; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;45955  
 12; 4314.6; 14-DEC-2010 08:48:51; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;45955  
 13; 4504.7; 14-DEC-2010 08:52:01; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;45955  
 14; 4700.1; 14-DEC-2010 08:55:16; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;45955  
 15; 4928.3; 14-DEC-2010 08:59:04; Bright; 49.0; 138; 47Eps Vir ; 2.83; 4700;occ; 98; 0;45955  
 16; 5284.7; 14-DEC-2010 09:05:01; Dark ; 49.0; 15; 67Alp Vir ; 0.98; 28000;occ; 98; 0;45955  
 17; 5493.7; 14-DEC-2010 09:08:30; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;45955  
 18; 5628.5; 14-DEC-2010 09:10:45; Dark ; 49.0; 100; 4Gam Crv ; 2.58; 13100;occ; 98; 0;45955  
 19; 5723.8; 14-DEC-2010 09:12:20; Dark ; 57.0; 171; 2Eps Crv ; 3.00; 4250;occ; 114; 0;45955  
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 21; 6031.1; 14-DEC-2010 09:17:27; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;45956  
 22; 6255.8; 14-DEC-2010 09:21:12; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45956  
 23; 6489.1; 14-DEC-2010 09:25:05; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;45956  
 24; 6573.5; 14-DEC-2010 09:26:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45956  
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 26; 6900.6; 14-DEC-2010 09:31:57; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;45956  
 27; 7058.7; 14-DEC-2010 09:34:35; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;45956  
 28; 7256.3; 14-DEC-2010 09:37:52; Dark ; 58.5; 23; 21Eps CMa ; 1.50; 26000;occ; 117; 0;45956  
 29; 7536.0; 14-DEC-2010 09:42:32; Dark ; 53.0; 47; 2Bet CMa ; 1.98; 28000;occ; 106; 0;45956

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 3; 1874.9; 14-DEC-2010 09:48:25; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;45956  
 4; 2068.8; 14-DEC-2010 09:51:39; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;45956  
 5; 2178.8; 14-DEC-2010 09:53:29; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;45956  
 6; 2320.2; 14-DEC-2010 09:55:50; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;45956  
 7; 2442.5; 14-DEC-2010 09:57:53; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;45956  
 8; 2663.2; 14-DEC-2010 10:01:33; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;45956

9; 2791.9; 14-DEC-2010 10:03:42; Bright; 45.5; 42; 34Bet Aur ; 1.90; 10200;occ; 91; 0;45956  
 10; 3720.9; 14-DEC-2010 10:19:11; Bright; 47.5; 36; 50Alp UMa ; 1.80; 6300;occ; 95; 0;45956  
 11; 3966.7; 14-DEC-2010 10:23:17; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;45956  
 12; 4117.9; 14-DEC-2010 10:25:48; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;45956  
 13; 4314.8; 14-DEC-2010 10:29:05; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45956  
 14; 4504.9; 14-DEC-2010 10:32:15; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;45956  
 15; 4700.4; 14-DEC-2010 10:35:31; Bright; 41.5; 111; 8Eta Boo ; 2.68; 6000;occ; 83; 0;45956  
 16; 4928.9; 14-DEC-2010 10:39:19; Bright; 72.0; 138; 47Eps Vir ; 2.83; 4700;occ; 144; 0;45956  
 17; 5285.4; 14-DEC-2010 10:45:16; Dark ; 49.5; 15; 67Alp Vir ; 0.98; 28000;occ; 99; 0;45956  
 18; 5494.3; 14-DEC-2010 10:48:44; Dark ; 42.0; 169; 46Gam Hya ; 2.99; 4700;occ; 84; 0;45956  
 19; 5629.6; 14-DEC-2010 10:51:00; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;45956  
 20; 5724.9; 14-DEC-2010 10:52:35; Dark ; 55.0; 171; 2Eps Crv ; 3.00; 4250;occ; 110; 0;45956  
 21; 5935.8; 14-DEC-2010 10:56:06; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;45956  
 22; 6031.8; 14-DEC-2010 10:57:42; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45957  
 23; 6256.8; 14-DEC-2010 11:01:27; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45957  
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 25; 6574.3; 14-DEC-2010 11:06:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45957  
 26; 6765.9; 14-DEC-2010 11:09:56; Dark ; 52.5; 34; Gam2Vel ; 1.79; 23000;occ; 105; 0;45957  
 27; 6901.0; 14-DEC-2010 11:12:11; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;45957  
 28; 7059.2; 14-DEC-2010 11:14:49; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45957  
 29; 7256.6; 14-DEC-2010 11:18:07; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;45957  
 30; 7536.1; 14-DEC-2010 11:22:46; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45957

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 5; 2178.7; 14-DEC-2010 11:33:43; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;45957  
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 9; 2791.2; 14-DEC-2010 11:43:55; Bright; 44.5; 42; 34Bet Aur ; 1.90; 10200;occ; 89; 0;45957  
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 15; 4700.6; 14-DEC-2010 12:15:45; Bright; 48.0; 111; 8Eta Boo ; 2.68; 6000;occ; 96; 0;45957  
 16; 4929.5; 14-DEC-2010 12:19:34; Bright; 72.0; 138; 47Eps Vir ; 2.83; 4700;occ; 144; 0;45957  
 17; 5286.0; 14-DEC-2010 12:25:30; Dark ; 58.5; 15; 67Alp Vir ; 0.98; 28000;occ; 117; 0;45957  
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 19; 5631.1; 14-DEC-2010 12:31:15; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;45957  
 20; 5726.3; 14-DEC-2010 12:32:50; Dark ; 57.5; 171; 2Eps Crv ; 3.00; 4250;occ; 115; 0;45957  
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 22; 6032.3; 14-DEC-2010 12:37:56; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;45958  
 23; 6257.6; 14-DEC-2010 12:41:42; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45958  
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 25; 6575.0; 14-DEC-2010 12:46:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45958  
 26; 6766.6; 14-DEC-2010 12:50:11; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;45958  
 27; 6901.5; 14-DEC-2010 12:52:26; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;45958  
 28; 7059.8; 14-DEC-2010 12:55:04; Dark ; 58.0; 117; Pi Pup ; 2.71; 3800;occ; 116; 0;45958  
 29; 7257.2; 14-DEC-2010 12:58:21; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;45958  
 30; 7536.2; 14-DEC-2010 13:03:00; Dark ; 54.0; 47; 2Bet CMa ; 1.98; 28000;occ; 108; 0;45958

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 10; 3966.4; 14-DEC-2010 13:43:44; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;45958  
 11; 4117.8; 14-DEC-2010 13:46:16; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;45958  
 12; 4315.0; 14-DEC-2010 13:49:33; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45958  
 13; 4505.4; 14-DEC-2010 13:52:43; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;45958  
 14; 4701.1; 14-DEC-2010 13:55:59; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;45958



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 16; 5286.7; 14-DEC-2010 14:05:45; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;45958  
 17; 5495.8; 14-DEC-2010 14:09:14; Dark ; 49.0; 169; 46Gam Hya ; 2.99; 4700;occ; 98; 0;45958  
 18; 5632.2; 14-DEC-2010 14:11:30; Dark ; 36.0; 100; 4Gam Crv ; 2.58; 13100;occ; 72; 0;45958  
 19; 5727.5; 14-DEC-2010 14:13:06; Dark ; 59.5; 171; 2Eps Crv ; 3.00; 4250;occ; 119; 0;45958  
 20; 5937.1; 14-DEC-2010 14:16:35; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;45958  
 21; 6033.1; 14-DEC-2010 14:18:11; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;45959  
 22; 6258.7; 14-DEC-2010 14:21:57; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45959  
 23; 6491.1; 14-DEC-2010 14:25:49; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;45959  
 24; 6575.9; 14-DEC-2010 14:27:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45959  
 25; 6767.4; 14-DEC-2010 14:30:25; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;45959  
 26; 6901.9; 14-DEC-2010 14:32:40; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;45959  
 27; 7060.3; 14-DEC-2010 14:35:18; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45959  
 28; 7257.7; 14-DEC-2010 14:38:36; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;45959

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13; 1252.3; 16-DEC-2010 00:03:25; Dark ; 52.5; 23; 21Eps CMa ; 1.50; 26000;occ; 105; 0;45979
14; 1525.3; 16-DEC-2010 00:07:58; Dark ; 50.5; 47; 2Bet CMa ; 1.98; 28000;occ; 101; 0;45979
15; 1737.9; 16-DEC-2010 00:11:30; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;45979
16; 1872.4; 16-DEC-2010 00:13:45; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;45979
17; 2060.7; 16-DEC-2010 00:16:53; Dark ; 67.0; 14; 58Alp Ori ; 0.87; 3000;occ; 134; 0;45979
18; 2176.9; 16-DEC-2010 00:18:50; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;45979
19; 2310.4; 16-DEC-2010 00:21:03; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45979
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21; 2648.6; 16-DEC-2010 00:26:41; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45979
22; 2778.4; 16-DEC-2010 00:28:51; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;45979
23; 3685.9; 16-DEC-2010 00:43:59; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;45979
24; 3939.8; 16-DEC-2010 00:48:12; Bright; 30.0; 87; 64Gam UMa ; 2.43; 11000;occ; 60; 0;45979
25; 4001.4; 16-DEC-2010 00:49:14; Bright; 59.0; 55; 79Zet UMa ; 2.06; 10200;occ; 118; 0;45979

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 27; 4316.8; 16-DEC-2010 00:54:29; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;45979  
 28; 4508.9; 16-DEC-2010 00:57:42; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;45979  
 29; 4707.3; 16-DEC-2010 01:01:00; Bright; 60.0; 111; 8Eta Boo ; 2.68; 6000;occ; 120; 0;45979  
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 31; 5301.6; 16-DEC-2010 01:10:54; Dark ; 30.0; 15; 67Alp Vir ; 0.98; 28000;occ; 60; 0;45979

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 15; 483.2; 15-DEC-2010 07:08:16; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;45969  
 16; 569.4; 15-DEC-2010 07:09:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45969  
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 19; 1052.2; 15-DEC-2010 07:17:45; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45969  
 20; 1248.1; 15-DEC-2010 07:21:01; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;45969  
 21; 1524.0; 15-DEC-2010 07:25:36; Dark ; 55.0; 47; 2Bet CMA ; 1.98; 28000;occ; 110; 0;45969

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 6; 2314.7; 15-DEC-2010 07:38:47; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;45969  
 7; 2437.3; 15-DEC-2010 07:40:50; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;45969  
 8; 2655.0; 15-DEC-2010 07:44:27; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;45969  
 9; 2784.4; 15-DEC-2010 07:46:37; Bright; 44.5; 42; 34Bet Aur ; 1.90; 10200;occ; 89; 0;45969  
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 12; 4117.2; 15-DEC-2010 08:08:50; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;45969  
 13; 4316.0; 15-DEC-2010 08:12:09; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;45969  
 14; 4507.4; 15-DEC-2010 08:15:20; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45969  
 15; 4704.3; 15-DEC-2010 08:18:37; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;45969  
 16; 4937.4; 15-DEC-2010 08:22:30; Bright; 73.0; 138; 47Eps Vir ; 2.83; 4700;occ; 146; 0;45969  
 17; 5294.5; 15-DEC-2010 08:28:27; Dark ; 46.0; 15; 67Alp Vir ; 0.98; 28000;occ; 92; 0;45969  
 18; 5503.8; 15-DEC-2010 08:31:56; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;45969  
 19; 5649.1; 15-DEC-2010 08:34:22; Dark ; 53.0; 106; 9Bet Crv ; 2.65; 5600;occ; 106; 0;45969  
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 21; 5943.9; 15-DEC-2010 08:39:16; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45969  
 22; 6040.7; 15-DEC-2010 08:40:53; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;45970  
 23; 6268.5; 15-DEC-2010 08:44:41; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45970  
 24; 6498.0; 15-DEC-2010 08:48:30; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45970  
 25; 6584.1; 15-DEC-2010 08:49:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45970  
 26; 6775.4; 15-DEC-2010 08:53:08; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;45970  
 27; 6906.4; 15-DEC-2010 08:55:19; Dark ; 47.0; 2; Alp Car ;-0.74; 7000;occ; 94; 0;45970  
 28; 7066.8; 15-DEC-2010 08:57:59; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;45970  
 29; 7262.5; 15-DEC-2010 09:01:15; Dark ; 57.0; 23; 21Eps CMA ; 1.50; 26000;occ; 114; 0;45970  
 30; 7538.1; 15-DEC-2010 09:05:51; Dark ; 51.5; 47; 2Bet CMA ; 1.98; 28000;occ; 103; 0;45970

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 3; 2063.7; 15-DEC-2010 09:14:50; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;45970  
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 5; 2314.2; 15-DEC-2010 09:19:01; Bright; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;45970  
 6; 2436.9; 15-DEC-2010 09:21:03; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;45970  
 7; 2654.4; 15-DEC-2010 09:24:41; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45970  
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11; 4117.2; 15-DEC-2010 09:49:04; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;45970
12; 4316.2; 15-DEC-2010 09:52:23; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;45970
13; 4507.5; 15-DEC-2010 09:55:34; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45970
14; 4704.7; 15-DEC-2010 09:58:51; Bright; 60.0; 111; 8Eta Boo ; 2.68; 6000;occ; 120; 0;45970
15; 4938.0; 15-DEC-2010 10:02:45; Bright; 74.0; 138; 47Eps Vir ; 2.83; 4700;occ; 148; 0;45970
16; 5295.2; 15-DEC-2010 10:08:42; Dark ; 44.0; 15; 67Alp Vir ; 0.98; 28000;occ; 88; 0;45970
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19; 5742.9; 15-DEC-2010 10:16:09; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;45970
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23; 6584.8; 15-DEC-2010 10:30:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45971
24; 6776.1; 15-DEC-2010 10:33:23; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;45971
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27; 7262.9; 15-DEC-2010 10:41:29; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;45971
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13; 4316.3; 15-DEC-2010 11:32:37; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;45971
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19; 5651.3; 15-DEC-2010 11:54:52; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45971
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21; 6042.1; 15-DEC-2010 12:01:23; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;45972
22; 6270.1; 15-DEC-2010 12:05:11; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45972
23; 6499.1; 15-DEC-2010 12:09:00; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;45972
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3; 1873.2; 15-DEC-2010 12:32:08; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;45972
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6; 2313.3; 15-DEC-2010 12:39:28; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;45972
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9; 2782.5; 15-DEC-2010 12:47:17; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;45972
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13; 4316.4; 15-DEC-2010 13:12:51; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;45972
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15; 4705.3; 15-DEC-2010 13:19:20; Bright; 60.0; 111; 8Eta Boo ; 2.68; 6000;occ; 120; 0;45972
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17; 5296.6; 15-DEC-2010 13:29:11; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;45972

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23; 6271.0; 15-DEC-2010 13:45:25; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45973
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25; 6586.4; 15-DEC-2010 13:50:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45973
26; 6777.6; 15-DEC-2010 13:53:52; Dark ; 54.5; 34; Gam2Vel ; 1.79; 23000;occ; 109; 0;45973
27; 6907.5; 15-DEC-2010 13:56:02; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;45973
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53; 8661.6; 16-DEC-2010 03:47:08; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45981
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29; 4711.4; 16-DEC-2010 22:44:06; Bright; 61.0; 111; 8Eta Boo ; 2.68; 6000;occ; 122; 0;45992
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2; -339.9; 16-DEC-2010 23:00:09; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45992
3; -241.9; 16-DEC-2010 23:01:47; Dark ; 35.0; 171; 2Eps Crv ; 3.00; 4250;occ; 70; 0;45992
4; -56.0; 16-DEC-2010 23:04:53; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45992
5; 42.5; 16-DEC-2010 23:06:31; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45993
6; 274.6; 16-DEC-2010 23:10:24; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45993
7; 498.0; 16-DEC-2010 23:14:07; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45993
8; 587.3; 16-DEC-2010 23:15:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45993
9; 777.5; 16-DEC-2010 23:18:46; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;45993
10; 904.7; 16-DEC-2010 23:20:54; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;45993
11; 1065.4; 16-DEC-2010 23:23:34; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;45993
12; 1258.0; 16-DEC-2010 23:26:47; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;45993
13; 1363.9; 16-DEC-2010 23:28:33; Dark ; 34.0; 179; 240mi2CMA ; 3.03; 24000;occ; 68; 0;45993
14; 1527.2; 16-DEC-2010 23:31:16; Dark ; 50.5; 47; 2Bet CMA ; 1.98; 28000;occ; 101; 0;45993
15; 1738.4; 16-DEC-2010 23:34:47; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;45993
16; 1871.0; 16-DEC-2010 23:37:00; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;45993
17; 2056.0; 16-DEC-2010 23:40:05; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;45993
18; 2176.2; 16-DEC-2010 23:42:05; Dark ; 46.5; 13; 87Alp Tau ; 0.87; 3800;occ; 93; 0;45993

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 20; 2428.0; 16-DEC-2010 23:46:17; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45993  
 21; 2639.9; 16-DEC-2010 23:49:49; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45993  
 22; 2770.5; 16-DEC-2010 23:51:59; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;45993  
 23; 3685.5; 17-DEC-2010 00:07:14; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;45993  
 24; 3958.6; 17-DEC-2010 00:11:48; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45993  
 25; 4115.6; 17-DEC-2010 00:14:25; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;45993  
 26; 4318.0; 17-DEC-2010 00:17:47; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;45993  
 27; 4511.4; 17-DEC-2010 00:21:00; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;45993  
 28; 4711.7; 17-DEC-2010 00:24:21; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;45993  
 29; 5311.9; 17-DEC-2010 00:34:21; Dark ; 56.5; 15; 67Alp Vir ; 0.98; 28000;occ; 113; 0;45993

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 2;-1897.5; 16-DEC-2010 07:32:05; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;45983  
 3;-1696.8; 16-DEC-2010 07:35:26; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;45983  
 4;-1504.2; 16-DEC-2010 07:38:39; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;45983  
 5;-1305.3; 16-DEC-2010 07:41:57; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;45983  
 6;-1067.7; 16-DEC-2010 07:45:55; Bright; 59.0; 138; 47Eps Vir ; 2.83; 4700;occ; 118; 0;45983  
 7; -709.4; 16-DEC-2010 07:51:53; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;45983  
 8; -499.9; 16-DEC-2010 07:55:23; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;45983  
 9; -349.7; 16-DEC-2010 07:57:53; Dark ; 53.5; 106; 9Bet Crv ; 2.65; 5600;occ; 107; 0;45983  
 10; -253.9; 16-DEC-2010 07:59:29; Dark ; 61.5; 171; 2Eps Crv ; 3.00; 4250;occ; 123; 0;45983  
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 12; 36.4; 16-DEC-2010 08:04:19; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;45984  
 13; 266.9; 16-DEC-2010 08:08:10; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45984  
 14; 492.5; 16-DEC-2010 08:11:55; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;45984  
 15; 580.6; 16-DEC-2010 08:13:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45984  
 16; 771.4; 16-DEC-2010 08:16:34; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;45984  
 17; 898.2; 16-DEC-2010 08:18:41; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45984  
 18; 1060.8; 16-DEC-2010 08:21:24; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45984  
 19; 1204.1; 16-DEC-2010 08:23:47; Dark ; 34.0; 88; 31Eta CMa ; 2.45; 20000;occ; 68; 0;45984  
 20; 1295.6; 16-DEC-2010 08:25:18; Dark ; 53.0; 37; 25Del CMa ; 1.83; 5900;occ; 106; 0;45984  
 21; 1526.2; 16-DEC-2010 08:29:09; Dark ; 53.5; 47; 2Bet CMa ; 1.98; 28000;occ; 107; 0;45984

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 3; 2059.0; 16-DEC-2010 08:38:02; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;45984  
 4; 2176.9; 16-DEC-2010 08:40:00; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;45984  
 5; 2308.7; 16-DEC-2010 08:42:11; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45984  
 6; 2431.4; 16-DEC-2010 08:44:14; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;45984  
 7; 2645.6; 16-DEC-2010 08:47:48; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45984  
 8; 2775.7; 16-DEC-2010 08:49:59; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;45984  
 9; 3685.8; 16-DEC-2010 09:05:09; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;45984  
 10; 3960.7; 16-DEC-2010 09:09:44; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;45984  
 11; 4116.4; 16-DEC-2010 09:12:19; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;45984  
 12; 4317.2; 16-DEC-2010 09:15:40; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45984  
 13; 4510.0; 16-DEC-2010 09:18:53; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45984  
 14; 4709.0; 16-DEC-2010 09:22:12; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;45984  
 15; 4947.3; 16-DEC-2010 09:26:10; Bright; 51.0; 138; 47Eps Vir ; 2.83; 4700;occ; 102; 0;45984  
 16; 5305.3; 16-DEC-2010 09:32:08; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;45984  
 17; 5514.8; 16-DEC-2010 09:35:38; Dark ; 49.0; 169; 46Gam Hya ; 2.99; 4700;occ; 98; 0;45984  
 18; 5665.3; 16-DEC-2010 09:38:08; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45984  
 19; 5761.4; 16-DEC-2010 09:39:44; Dark ; 57.5; 171; 2Eps Crv ; 3.00; 4250;occ; 115; 0;45984  
 20; 5953.1; 16-DEC-2010 09:42:56; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;45984  
 21; 6051.0; 16-DEC-2010 09:44:34; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;45985  
 22; 6281.6; 16-DEC-2010 09:48:24; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45985  
 23; 6507.0; 16-DEC-2010 09:52:10; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45985  
 24; 6595.3; 16-DEC-2010 09:53:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45985  
 25; 6786.1; 16-DEC-2010 09:56:49; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45985  
 26; 6912.8; 16-DEC-2010 09:58:56; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45985  
 27; 7075.1; 16-DEC-2010 10:01:38; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;45985  
 28; 7218.6; 16-DEC-2010 10:04:01; Dark ; 34.0; 88; 31Eta CMa ; 2.45; 20000;occ; 68; 0;45985  
 29; 7310.0; 16-DEC-2010 10:05:33; Dark ; 53.0; 37; 25Del CMa ; 1.83; 5900;occ; 106; 0;45985  
 30; 7540.3; 16-DEC-2010 10:09:23; Dark ; 51.0; 47; 2Bet CMa ; 1.98; 28000;occ; 102; 0;45985

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 3; 1871.7; 16-DEC-2010 10:15:09; Dark ; 49.5; 30; 46Eps Ori ; 1.69; 30000;occ; 99; 0;45985



4; 2058.7; 16-DEC-2010 10:18:16; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;45985  
5; 2176.7; 16-DEC-2010 10:20:14; Dark ; 52.0; 13; 87Alp Tau ; 0.87; 3800;occ; 104; 0;45985  
6; 2308.0; 16-DEC-2010 10:22:25; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;45985  
7; 2431.1; 16-DEC-2010 10:24:28; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;45985  
8; 2645.2; 16-DEC-2010 10:28:02; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45985  
9; 2775.3; 16-DEC-2010 10:30:12; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;45985  
10; 3685.8; 16-DEC-2010 10:45:23; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;45985  
11; 3960.5; 16-DEC-2010 10:49:57; Bright; 43.5; 32; 77Eps UMa ; 1.76; 11000;occ; 87; 0;45985  
12; 4116.3; 16-DEC-2010 10:52:33; Bright; 51.0; 39; 85Eta UMa ; 1.85; 24000;occ; 102; 0;45985  
13; 4317.3; 16-DEC-2010 10:55:54; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45985  
14; 4510.2; 16-DEC-2010 10:59:07; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;45985  
15; 4709.3; 16-DEC-2010 11:02:26; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;45985  
16; 4947.8; 16-DEC-2010 11:06:25; Bright; 51.0; 138; 47Eps Vir ; 2.83; 4700;occ; 102; 0;45985  
17; 5306.0; 16-DEC-2010 11:12:23; Dark ; 59.0; 15; 67Alp Vir ; 0.98; 28000;occ; 118; 0;45985  
18; 5515.6; 16-DEC-2010 11:15:52; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;45985  
19; 5666.4; 16-DEC-2010 11:18:23; Dark ; 52.0; 106; 9Bet Crv ; 2.65; 5600;occ; 104; 0;45985  
20; 5762.7; 16-DEC-2010 11:20:00; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;45985  
21; 5953.8; 16-DEC-2010 11:23:11; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;45985  
22; 6051.7; 16-DEC-2010 11:24:49; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45986  
23; 6282.4; 16-DEC-2010 11:28:39; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45986  
24; 6507.7; 16-DEC-2010 11:32:24; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45986  
25; 6596.0; 16-DEC-2010 11:33:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45986  
26; 6786.7; 16-DEC-2010 11:37:04; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;45986  
27; 6913.6; 16-DEC-2010 11:39:10; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;45986  
28; 7075.6; 16-DEC-2010 11:41:52; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;45986  
29; 7219.1; 16-DEC-2010 11:44:16; Dark ; 38.0; 88; 31Eta CMA ; 2.45; 20000;occ; 76; 0;45986  
30; 7310.3; 16-DEC-2010 11:45:47; Dark ; 58.0; 37; 25Del CMA ; 1.83; 5900;occ; 116; 0;45986  
31; 7540.4; 16-DEC-2010 11:49:37; Dark ; 16.0; 47; 2Bet CMA ; 1.98; 28000;occ; 32; 0;45986

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3; 1871.7; 16-DEC-2010 11:55:23; Dark ; 49.0; 30; 46Eps Ori ; 1.69; 30000;occ; 98; 0;45986  
4; 2058.4; 16-DEC-2010 11:58:29; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;45986  
5; 2176.6; 16-DEC-2010 12:00:27; Dark ; 49.5; 13; 87Alp Tau ; 0.87; 3800;occ; 99; 0;45986  
6; 2307.7; 16-DEC-2010 12:02:39; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;45986  
7; 2430.6; 16-DEC-2010 12:04:41; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;45986  
8; 2644.5; 16-DEC-2010 12:08:15; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45986  
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10; 3685.8; 16-DEC-2010 12:25:37; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;45986  
11; 3960.4; 16-DEC-2010 12:30:11; Bright; 43.5; 32; 77Eps UMa ; 1.76; 11000;occ; 87; 0;45986  
12; 4116.2; 16-DEC-2010 12:32:47; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;45986  
13; 4317.3; 16-DEC-2010 12:36:08; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;45986  
14; 4510.3; 16-DEC-2010 12:39:21; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45986  
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16; 4948.4; 16-DEC-2010 12:46:39; Bright; 42.0; 138; 47Eps Vir ; 2.83; 4700;occ; 84; 0;45986  
17; 5306.7; 16-DEC-2010 12:52:37; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;45986  
18; 5516.3; 16-DEC-2010 12:56:07; Dark ; 44.0; 169; 46Gam Hya ; 2.99; 4700;occ; 88; 0;45986  
19; 5667.4; 16-DEC-2010 12:58:38; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45986  
20; 5764.1; 16-DEC-2010 13:00:15; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;45986  
21; 5954.4; 16-DEC-2010 13:03:25; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;45986  
22; 6052.3; 16-DEC-2010 13:05:03; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;45987  
23; 6283.4; 16-DEC-2010 13:08:54; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45987  
24; 6508.3; 16-DEC-2010 13:12:39; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45987  
25; 6596.8; 16-DEC-2010 13:14:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45987  
26; 6787.4; 16-DEC-2010 13:17:18; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;45987  
27; 6914.4; 16-DEC-2010 13:19:25; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;45987  
28; 7076.2; 16-DEC-2010 13:22:07; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;45987  
29; 7219.7; 16-DEC-2010 13:24:30; Dark ; 38.0; 88; 31Eta CMA ; 2.45; 20000;occ; 76; 0;45987  
30; 7310.8; 16-DEC-2010 13:26:02; Dark ; 58.0; 37; 25Del CMA ; 1.83; 5900;occ; 116; 0;45987  
31; 7540.6; 16-DEC-2010 13:29:51; Dark ; 31.0; 47; 2Bet CMA ; 1.98; 28000;occ; 62; 0;45987

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4; 2058.1; 16-DEC-2010 13:38:43; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;45987  
5; 2176.7; 16-DEC-2010 13:40:41; Dark ; 44.5; 13; 87Alp Tau ; 0.87; 3800;occ; 89; 0;45987  
6; 2307.4; 16-DEC-2010 13:42:52; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45987  
7; 2430.3; 16-DEC-2010 13:44:55; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45987

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8; 2643.7; 16-DEC-2010 13:48:28; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45987
9; 2773.9; 16-DEC-2010 13:50:39; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45987
10; 3685.9; 16-DEC-2010 14:05:51; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;45987
11; 3960.2; 16-DEC-2010 14:10:25; Bright; 42.0; 32; 77Eps UMa ; 1.76; 11000;occ; 84; 0;45987
12; 4116.3; 16-DEC-2010 14:13:01; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;45987
13; 4317.7; 16-DEC-2010 14:16:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45987
14; 4510.6; 16-DEC-2010 14:19:35; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45987
15; 4709.9; 16-DEC-2010 14:22:55; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;45987
16; 4949.2; 16-DEC-2010 14:26:54; Bright; 42.0; 138; 47Eps Vir ; 2.83; 4700;occ; 84; 0;45987
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18; 5517.2; 16-DEC-2010 14:36:22; Dark ; 50.0; 169; 46Gam Hya ; 2.99; 4700;occ; 100; 0;45987
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23; 6284.3; 16-DEC-2010 14:49:09; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45988
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27; 6915.4; 16-DEC-2010 14:59:40; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;45988
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23; 6285.4; 16-DEC-2010 16:29:24; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;45989
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25; 6598.5; 16-DEC-2010 16:34:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45989
26; 6789.0; 16-DEC-2010 16:37:48; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;45989
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28; 7077.6; 16-DEC-2010 16:42:36; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;45989
29; 7270.7; 16-DEC-2010 16:45:49; Dark ; 6.5; 23; 21Eps CMa ; 1.50; 26000;occ; 13; 0;45989
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13; 3959.8; 16-DEC-2010 17:30:53; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45989
14; 4116.0; 16-DEC-2010 17:33:29; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;45989

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 22; 5768.1; 16-DEC-2010 18:01:01; Dark ; 46.0; 171; 2Eps Crv ; 3.00; 4250;occ; 92; 0;45989  
 23; 5956.4; 16-DEC-2010 18:04:09; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;45989  
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 27; 6599.2; 16-DEC-2010 18:14:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45990  
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 9; 778.2; 17-DEC-2010 00:59:01; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;45994  
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 12; 1258.4; 17-DEC-2010 01:07:01; Dark ; 52.5; 23; 21Eps CMa ; 1.50; 26000;occ; 105; 0;45994  
 13; 1364.4; 17-DEC-2010 01:08:47; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;45994  
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 17; 2055.8; 17-DEC-2010 01:20:19; Dark ; 58.5; 14; 58Alp Ori ; 0.87; 3000;occ; 117; 0;45994  
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 21; 2639.5; 17-DEC-2010 01:30:02; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;45994  
 22; 2770.0; 17-DEC-2010 01:32:13; Bright; 45.0; 42; 34Bet Aur ; 1.90; 10200;occ; 90; 0;45994  
 23; 3685.4; 17-DEC-2010 01:47:28; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;45994  
 24; 3958.4; 17-DEC-2010 01:52:01; Bright; 43.5; 32; 77Eps UMa ; 1.76; 11000;occ; 87; 0;45994  
 25; 4115.5; 17-DEC-2010 01:54:38; Bright; 43.0; 39; 85Eta UMa ; 1.85; 24000;occ; 86; 0;45994  
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 27; 4511.5; 17-DEC-2010 02:01:14; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;45994  
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 13; 1527.6; 17-DEC-2010 02:51:44; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45995  
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 19; 2427.2; 17-DEC-2010 03:06:44; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;45995  
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13; 1369.0; 18-DEC-2010 00:32:08; Dark ; 51.0; 179; 240mi2CMA ; 3.03; 24000;occ; 102; 0;46008
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26; 7397.8; 21-DEC-2010 10:23:51; Dark ; 50.0; 179; 24Omi2CMa ; 3.03; 24000;occ; 100; 0;46057
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9; 2403.7; 22-DEC-2010 16:45:03; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;46075
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11; 2698.1; 22-DEC-2010 16:49:57; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;46075
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13; 3937.3; 22-DEC-2010 17:10:37; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;46075
14; 4108.4; 22-DEC-2010 17:13:28; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;46075
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16; 4526.0; 22-DEC-2010 17:20:25; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;46075
17; 4740.4; 22-DEC-2010 17:24:00; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;46075
18; 5381.2; 22-DEC-2010 17:34:40; Dark ; 57.0; 15; 67Alp Vir ; 0.98; 28000;occ; 114; 0;46075

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 22; 6105.3; 22-DEC-2010 17:46:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46076  
 23; 6363.9; 22-DEC-2010 17:51:03; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46076  
 24; 6562.3; 22-DEC-2010 17:54:21; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;46076  
 25; 6669.1; 22-DEC-2010 17:56:08; Dark ; 46.5; 41; Eps Car ; 1.86; 4100;occ; 93; 0;46076  
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 27; 6976.7; 22-DEC-2010 18:01:16; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;46076  
 28; 7122.1; 22-DEC-2010 18:03:41; Dark ; 14.0; 117; Pi Pup ; 2.71; 3800;occ; 28; 0;46076

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 12; 3682.0; 22-DEC-2010 18:46:35; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;46076  
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 14; 4108.3; 22-DEC-2010 18:53:42; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;46076  
 15; 4324.4; 22-DEC-2010 18:57:18; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;46076  
 16; 4526.2; 22-DEC-2010 19:00:39; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;46076  
 17; 4740.7; 22-DEC-2010 19:04:14; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;46076  
 18; 5382.0; 22-DEC-2010 19:14:55; Dark ; 57.0; 15; 67Alp Vir ; 0.98; 28000;occ; 114; 0;46076  
 19; 5658.0; 22-DEC-2010 19:19:31; Dark ; 47.0; 54; 5The Cen ; 2.06; 4500;occ; 94; 0;46076  
 20; 5776.4; 22-DEC-2010 19:21:30; Dark ; 59.5; 106; 9Bet Crv ; 2.65; 5600;occ; 119; 0;46076  
 21; 6014.9; 22-DEC-2010 19:25:28; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;46077  
 22; 6106.1; 22-DEC-2010 19:26:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46077  
 23; 6364.7; 22-DEC-2010 19:31:18; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46077  
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 9; 834.8; 23-DEC-2010 00:40:04; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;46080  
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 13; 1390.5; 23-DEC-2010 00:49:20; Dark ; 48.5; 179; 240mi2CMa ; 3.03; 24000;occ; 97; 0;46080  
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 16; 1866.4; 23-DEC-2010 00:57:16; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;46080  
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 21; 2696.9; 23-DEC-2010 01:11:06; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;46080  
 22; 3681.9; 23-DEC-2010 01:27:31; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46080  
 23; 3935.6; 23-DEC-2010 01:31:45; Bright; 65.0; 32; 77Eps UMa ; 1.76; 11000;occ; 130; 0;46080  
 24; 4107.8; 23-DEC-2010 01:34:37; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;46080  
 25; 4324.8; 23-DEC-2010 01:38:14; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;46080  
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 27; 4742.3; 23-DEC-2010 01:45:12; Bright; 47.0; 111; 8Eta Boo ; 2.68; 6000;occ; 94; 0;46080

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5; 95.5; 23-DEC-2010 02:07:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46081
6; 354.2; 23-DEC-2010 02:12:18; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46081
7; 551.1; 23-DEC-2010 02:15:34; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;46081
8; 657.3; 23-DEC-2010 02:17:21; Dark ; 41.0; 41; Eps Car ; 1.86; 4100;occ; 82; 0;46081
9; 835.5; 23-DEC-2010 02:20:19; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;46081
10; 965.6; 23-DEC-2010 02:22:29; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;46081
11; 1110.1; 23-DEC-2010 02:24:53; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;46081
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13; 1390.8; 23-DEC-2010 02:29:34; Dark ; 48.5; 179; 240mi2CMa ; 3.03; 24000;occ; 97; 0;46081
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15; 1744.3; 23-DEC-2010 02:35:28; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;46081
16; 1866.6; 23-DEC-2010 02:37:30; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;46081
17; 2034.6; 23-DEC-2010 02:40:18; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 0;46081
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19; 2402.1; 23-DEC-2010 02:46:25; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;46081
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9; -231.0; 23-DEC-2010 03:42:46; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;46081
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12; 355.3; 23-DEC-2010 03:52:33; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46082
13; 551.7; 23-DEC-2010 03:55:49; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;46082
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19; 1391.3; 23-DEC-2010 04:09:49; Dark ; 49.0; 179; 240mi2CMa ; 3.03; 24000;occ; 98; 0;46082
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3; -1906.5; 23-DEC-2010 04:55:05; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;46082
4; -1689.2; 23-DEC-2010 04:58:42; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;46082
5; -1486.6; 23-DEC-2010 05:02:05; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;46082
6; -1270.9; 23-DEC-2010 05:05:41; Bright; 44.0; 111; 8Eta Boo ; 2.68; 6000;occ; 88; 0;46082
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10; 5.0; 23-DEC-2010 05:26:56; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;46083
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12; 356.2; 23-DEC-2010 05:32:48; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46083
13; 552.3; 23-DEC-2010 05:36:04; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;46083
14; 658.5; 23-DEC-2010 05:37:50; Dark ; 47.5; 41; Eps Car ; 1.86; 4100;occ; 95; 0;46083
15; 836.8; 23-DEC-2010 05:40:48; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;46083
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 28; 3681.7; 23-DEC-2010 06:28:13; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;46083

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11;	2585.4;	24-DEC-2010	18:55:05;	Bright;	;	44.5;	107;	37The Aur	;	2.65;	11000;occ;	89;	0;	46105
12;	2691.8;	24-DEC-2010	18:56:52;	Bright;	;	43.0;	6;	13Alp Aur	;	0.08;	3400;occ;	86;	0;	46105
13;	3680.5;	24-DEC-2010	19:13:21;	Bright;	;	54.0;	60;	7Bet UMi	;	2.08;	3950;occ;	108;	0;	46105
14;	3928.2;	24-DEC-2010	19:17:28;	Bright;	;	46.5;	32;	77Eps UMa	;	1.76;	11000;occ;	93;	0;	46105
15;	4104.8;	24-DEC-2010	19:20:25;	Bright;	;	43.5;	39;	85Eta UMa	;	1.85;	24000;occ;	87;	0;	46105
16;	4326.5;	24-DEC-2010	19:24:07;	Bright;	;	39.5;	180;	27Gam Boo	;	3.04;	8000;occ;	79;	0;	46105
17;	4531.7;	24-DEC-2010	19:27:32;	Bright;	;	39.0;	83;		;	2.38;	11000;occ;	78;	0;	46105
18;	4752.3;	24-DEC-2010	19:31:12;	Bright;	;	68.0;	111;	8Eta Boo	;	2.68;	6000;occ;	136;	0;	46105
19;	5276.0;	24-DEC-2010	19:39:56;	Bright;	;	37.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	74;	0;	46105
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21;	5674.4;	24-DEC-2010	19:46:35;	Dark	;	44.5;	54;	5The Cen	;	2.06;	4500;occ;	89;	0;	46105
22;	5794.1;	24-DEC-2010	19:48:34;	Dark	;	44.0;	123;	Iot Cen	;	2.75;	10200;occ;	88;	0;	46105
23;	6035.7;	24-DEC-2010	19:52:36;	Dark	;	43.0;	64;	Gam Cen	;	2.20;	10600;occ;	86;	0;	46106
24;	6131.4;	24-DEC-2010	19:54:11;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	46106
25;	6391.1;	24-DEC-2010	19:58:31;	Dark	;	50.5;	113;	Mu Vel	;	2.69;	5000;occ;	101;	0;	46106
26;	6579.9;	24-DEC-2010	20:01:40;	Dark	;	42.5;	71;	Iot Car	;	2.25;	7700;occ;	85;	0;	46106
27;	6684.2;	24-DEC-2010	20:03:24;	Dark	;	56.5;	41;	Eps Car	;	1.86;	4100;occ;	113;	0;	46106
28;	6769.1;	24-DEC-2010	20:04:49;	Dark	;	58.5;	65;	Lam Vel	;	2.20;	4400;occ;	117;	0;	46106
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7;	671.5;	25-DEC-2010	01:04:08;	Dark	;	55.0;	41;	Eps Car	;	1.86;	4100;occ;	110;	0;	46109
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19;	2583.8;	25-DEC-2010	01:36:00;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;	46109
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26;	4754.1;	25-DEC-2010	02:12:10;	Bright;	;	46.5;	111;	8Eta Boo	;	2.68;	6000;occ;	93;	0;	46109
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27; 2395.8; 25-DEC-2010 06:33:34; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;46112
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37; 6884.1; 27-DEC-2010 03:14:27; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;46139
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39; 7149.6; 27-DEC-2010 03:18:52; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46139
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23; 1866.8; 27-DEC-2010 05:11:18; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;46140
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27; 2572.4; 27-DEC-2010 05:23:03; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;46140
28; 2685.6; 27-DEC-2010 05:24:56; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;46140
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21;	1713.9;	27-DEC-2010	06:48:59;	Dark	; 45.0;	56;	53Kap Ori	; 2.07;	30000;occ;	90;	0;	46141
22;	1866.8;	27-DEC-2010	06:51:32;	Dark	; 48.0;	30;	46Eps Ori	; 1.69;	30000;occ;	96;	0;	46141
23;	2025.9;	27-DEC-2010	06:54:11;	Dark	; 58.0;	14;	58Alp Ori	; 0.87;	3000;occ;	116;	0;	46141
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26;	2572.1;	27-DEC-2010	07:03:17;	Bright;	39.5;	107;	37The Aur	; 2.65;	11000;occ;	79;	0;	46141
27;	2685.5;	27-DEC-2010	07:05:10;	Bright;	41.5;	6;	13Alp Aur	; 0.08;	3400;occ;	83;	0;	46141
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15;	3912.9;	27-DEC-2010	20:47:30;	Bright;	67.0;	32;	77Eps UMa	; 1.76;	11000;occ;	134;	0;	46149
16;	4098.0;	27-DEC-2010	20:50:35;	Bright;	43.0;	39;	85Eta UMa	; 1.85;	24000;occ;	86;	0;	46149
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18;	4539.8;	27-DEC-2010	20:57:57;	Bright;	59.0;	83;		; 2.38;	11000;occ;	118;	0;	46149
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11;	1007.3;	27-DEC-2010	21:39:18;	Dark	; 51.5;	70;	Zet Pup	; 2.25;	39000;occ;	103;	0;	46150
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 22; 6112.9; 31-DEC-2010 18:57:15; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46206  
 23; 6221.9; 31-DEC-2010 18:59:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46206  
 24; 6481.2; 31-DEC-2010 19:03:24; Dark ; 52.0; 113; Mu Vel ; 2.69; 5000;occ; 104; 0;46206  
 25; 6636.0; 31-DEC-2010 19:05:58; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;46206  
 26; 6749.9; 31-DEC-2010 19:07:52; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;46206  
 27; 6920.5; 31-DEC-2010 19:10:43; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46206  
 28; 7051.4; 31-DEC-2010 19:12:54; Dark ; 22.5; 70; Zet Pup ; 2.25; 39000;occ; 45; 0;46206

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1;	1037.3;	31-DEC-2010	19:12:54;	Dark	;	49.0;	70;	Zet Pup	;	2.25;	39000;occ;	98;	0;	46206
2;	1162.1;	31-DEC-2010	19:14:59;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;occ;	94;	0;	46206
3;	1329.8;	31-DEC-2010	19:17:46;	Dark	;	44.0;	23;	21Eps CMa	;	1.50;	26000;occ;	88;	0;	46206
4;	1422.0;	31-DEC-2010	19:19:18;	Dark	;	42.5;	179;	24Omi2CMa	;	3.03;	24000;occ;	85;	0;	46206
5;	1569.9;	31-DEC-2010	19:21:46;	Dark	;	48.0;	1;	9Alp CMa	;	-1.44;	11000;occ;	96;	0;	46206
6;	1719.2;	31-DEC-2010	19:24:16;	Dark	;	42.0;	56;	53Kap Ori	;	2.07;	30000;occ;	84;	0;	46206
7;	1869.3;	31-DEC-2010	19:26:46;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;occ;	89;	0;	46206
8;	2020.2;	31-DEC-2010	19:29:17;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;occ;	110;	0;	46206
9;	2215.8;	31-DEC-2010	19:32:32;	Dark	;	57.0;	44;	24Gam Gem	;	1.93;	11000;occ;	114;	0;	46206
10;	2313.6;	31-DEC-2010	19:34:10;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;	46206
11;	2552.7;	31-DEC-2010	19:38:09;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;	46206
12;	2677.7;	31-DEC-2010	19:40:14;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;occ;	82;	0;	46206
13;	3672.2;	31-DEC-2010	19:56:49;	Bright;	;	35.0;	60;	7Bet UMi	;	2.08;	3950;occ;	70;	0;	46206
14;	3891.1;	31-DEC-2010	20:00:28;	Bright;	;	49.5;	32;	77Eps UMa	;	1.76;	11000;occ;	99;	0;	46206
15;	4087.7;	31-DEC-2010	20:03:44;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;occ;	132;	0;	46206
16;	4330.9;	31-DEC-2010	20:07:47;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;occ;	124;	0;	46206
17;	4551.4;	31-DEC-2010	20:11:28;	Bright;	;	62.0;	83;		;	2.38;	11000;occ;	124;	0;	46206
18;	4746.2;	31-DEC-2010	20:14:43;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	107;	0;	46206
19;	5169.6;	31-DEC-2010	20:21:46;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;	46206
20;	5327.7;	31-DEC-2010	20:24:24;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	91;	0;	46206
21;	5739.5;	31-DEC-2010	20:31:16;	Dark	;	48.5;	54;	5The Cen	;	2.06;	4500;occ;	97;	0;	46206
22;	5904.9;	31-DEC-2010	20:34:01;	Dark	;	42.0;	95;	Zet Cen	;	2.55;	26000;occ;	84;	0;	46206
23;	6113.8;	31-DEC-2010	20:37:30;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;	46207
24;	6222.7;	31-DEC-2010	20:39:19;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	46207
25;	6482.0;	31-DEC-2010	20:43:38;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;	46207
26;	6636.4;	31-DEC-2010	20:46:13;	Dark	;	45.0;	71;	Iot Car	;	2.25;	7700;occ;	90;	0;	46207
27;	6750.2;	31-DEC-2010	20:48:07;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;occ;	85;	0;	46207
28;	6921.0;	31-DEC-2010	20:50:57;	Dark	;	48.0;	34;	Gam2Vel	;	1.79;	23000;occ;	96;	0;	46207
29;	7051.8;	31-DEC-2010	20:53:08;	Dark	;	23.5;	70;	Zet Pup	;	2.25;	39000;occ;	47;	0;	46207