

# GOMOS Daily Report 01-FEB-2010

## Level 0 and Level 1 products

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

Item	Value
Time of report generation	04FEB2010 04:51:34
Data source version	GOMOS/5.00L04
Start time of products	01FEB2010 00:08:22
Stop time of products	01FEB2010 23:59:38
Store outputs in DB	Yes
Nb of level 1b prods	162
Nb of prods with errors	2

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

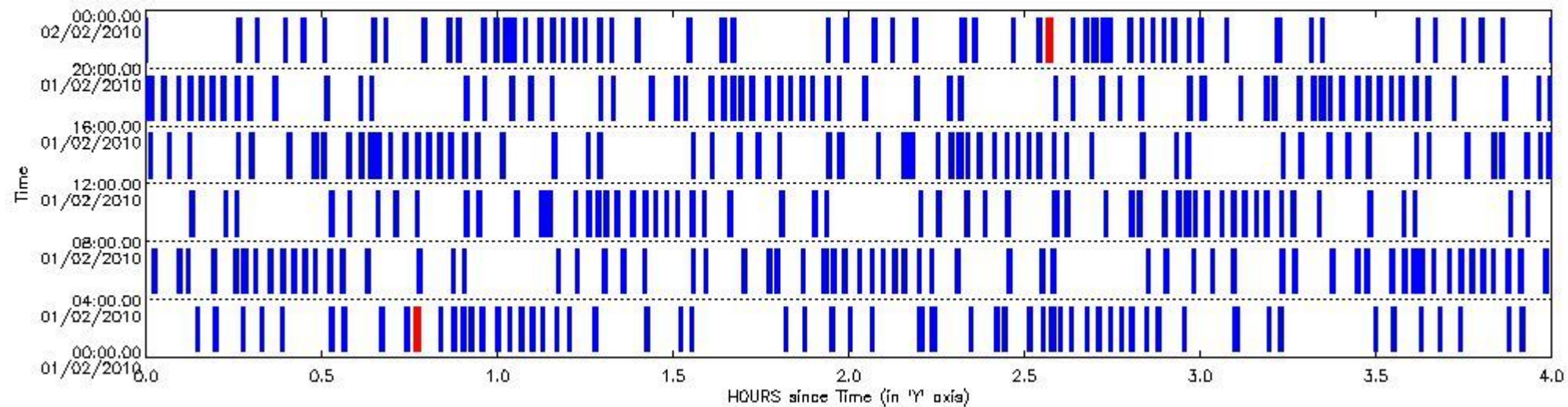
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
01-FEB-2010 00:45:36	6PiSco	158	41424
01-FEB-2010 22:33:35	6PiSco	158	41437

### 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_1PNPDE20100201_000822_000000332086_00288_41424_7976.N1	01-FEB-2010 00:08:22	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	41424	No
2	GOM_TRA_1PNPDE20100201_001128_000000412086_00288_41424_7977.N1	01-FEB-2010 00:11:28	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	41424	No
3	GOM_TRA_1PNPDE20100201_001610_000000382086_00288_41424_7978.N1	01-FEB-2010 00:16:10	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41424	No
4	GOM_TRA_1PNPDE20100201_001921_000000392086_00288_41424_7979.N1	01-FEB-2010 00:19:21	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	41424	No
5	GOM_TRA_1PNPDE20100201_002259_000000342086_00288_41424_7980.N1	01-FEB-2010 00:22:59	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	41424	No
6	GOM_TRA_1PNPDE20100201_003112_00000052086_00288_41424_7981.N1	01-FEB-2010 00:31:12	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	41424	No
7	GOM_TRA_1PNPDE20100201_003319_000000542086_00288_41424_7982.N1	01-FEB-2010 00:33:19	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	41424	No
8	GOM_TRA_1PNPDE20100201_003948_000000412086_00288_41424_7982.N1	01-FEB-2010 00:39:48	Tw_i_and_stray	41.000	86	35Eta Oph	2.4300	10200.	82	41424	No
9	GOM_TRA_1PNPDE20100201_004406_000000492086_00288_41424_7983.N1	01-FEB-2010 00:44:06	Dark	49.000	16	21Alp Sco	1.0200	3000.0	98	41424	No

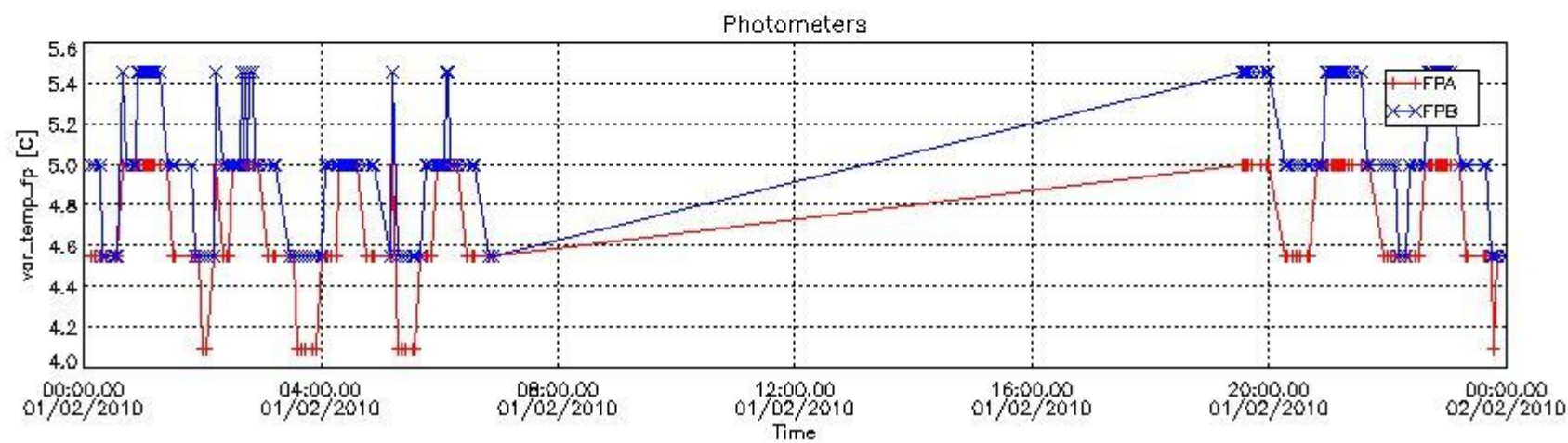
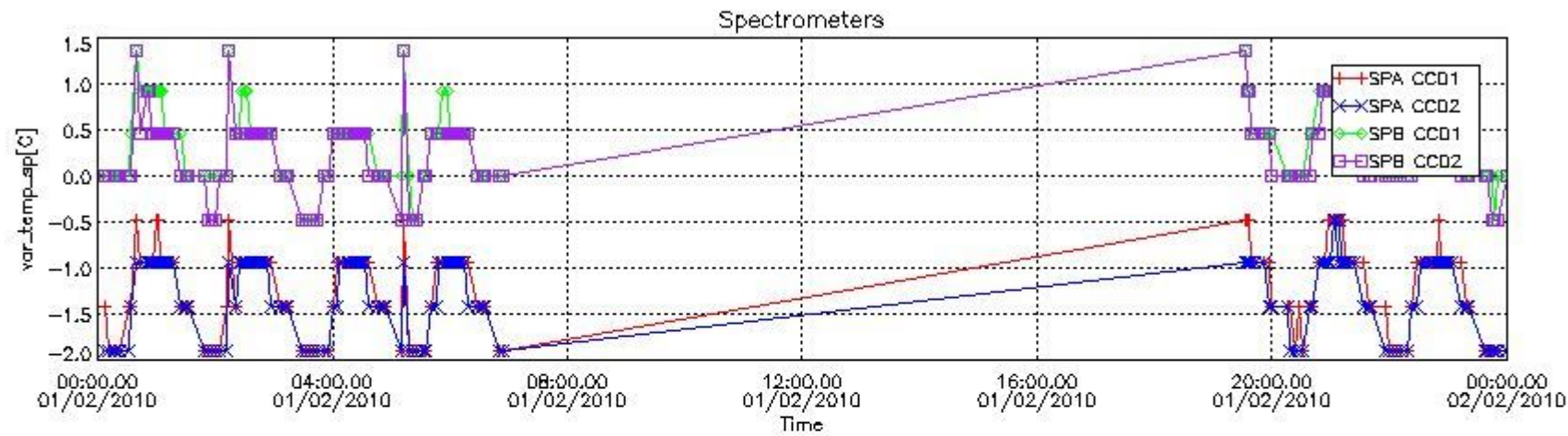
10	GOM_TRA_1PNPDE20100201_004954_000000422086_00288_41424_7984.N1	01-FEB-2010 00:49:54	Dark	42.000	131	Gam Lup	2.8000	26000.	84	41424	No
11	GOM_TRA_1PNPDE20100201_005207_000000452086_00289_41425_7985.N1	01-FEB-2010 00:52:07	Dark	45.000	109	Bet Lup	2.6770	26000.	90	41425	No
12	GOM_TRA_1PNPDE20100201_005504_000000492086_00289_41425_7986.N1	01-FEB-2010 00:55:04	Dark	49.000	4	Alp1Cen	-0.010000	5800.0	98	41425	No
13	GOM_TRA_1PNPDE20100201_005701_000000422086_00289_41425_7987.N1	01-FEB-2010 00:57:01	Dark	42.000	77	Eps Cen	2.3030	28000.	84	41425	No
14	GOM_TRA_1PNPDE20100201_005940_000000502086_00289_41425_7988.N1	01-FEB-2010 00:59:40	Dark	50.000	12	Alp1Cru	0.77500	30000.	100	41425	No
15	GOM_TRA_1PNPDE20100201_010141_000000452086_00289_41425_7989.N1	01-FEB-2010 01:01:41	Dark	45.000	99	Del Cen	2.5750	26000.	90	41425	No
16	GOM_TRA_1PNPDE20100201_010338_000000422086_00289_41425_7990.N1	01-FEB-2010 01:03:38	Dark	42.000	159	Ups Car	2.9200	7200.0	84	41425	No
17	GOM_TRA_1PNPDE20100201_010534_000000442086_00289_41425_7991.N1	01-FEB-2010 01:05:34	Dark	44.000	71	Iot Car	2.2460	7700.0	88	41425	No
18	GOM_TRA_1PNPDE20100201_010718_000000392086_00289_41425_7992.N1	01-FEB-2010 01:07:18	Dark	38.500	46	Del Vel	1.9540	10600.	77	41425	No
19	GOM_TRA_1PNPDE20100201_010950_000000392086_00289_41425_7993.N1	01-FEB-2010 01:09:50	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	41425	No
20	GOM_TRA_1PNPDE20100201_011155_000000392086_00289_41425_7994.N1	01-FEB-2010 01:11:55	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	41425	No
21	GOM_TRA_1PNPDE20100201_011617_000000432086_00289_41425_7995.N1	01-FEB-2010 01:16:17	Straylight	42.500	132	15Rho Pup	2.8030	6900.0	85	41425	No
22	GOM_TRA_1PNPDE20100201_012503_000000452086_00289_41425_7996.N1	01-FEB-2010 01:25:03	Tw_i_and_stray	45.000	8	10Alp CMi	0.40000	6500.0	90	41425	No
23	GOM_TRA_1PNPDE20100201_013051_000000382086_00289_41425_7997.N1	01-FEB-2010 01:30:51	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41425	No
24	GOM_TRA_1PNPDE20100201_013246_000000402086_00289_41425_7998.N1	01-FEB-2010 01:32:46	Bright	39.500	24	66Alp Gem	1.5800	10200.	79	41425	No
25	GOM_TRA_1PNPDE20100201_014858_000000332086_00289_41425_7999.N1	01-FEB-2010 01:48:58	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	41425	No
26	GOM_TRA_1PNPDE20100201_015203_000000412086_00289_41425_8000.N1	01-FEB-2010 01:52:03	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41425	No
27	GOM_TRA_1PNPDE20100201_015646_000000392086_00289_41425_8001.N1	01-FEB-2010 01:56:46	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	41425	No
28	GOM_TRA_1PNPDE20100201_015957_000000372086_00289_41425_8002.N1	01-FEB-2010 01:59:57	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	41425	No
29	GOM_TRA_1PNPDE20100201_020335_000000352086_00289_41425_8003.N1	01-FEB-2010 02:03:35	Bright	34.500	5	3Alp Lyr	0.033000	11000.	69	41425	No
30	GOM_TRA_1PNPDE20100201_021148_000000552086_00289_41425_8004.N1	01-FEB-2010 02:11:48	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	41425	No
31	GOM_TRA_1PNPDE20100201_021355_000000542086_00289_41425_8000.N1	01-FEB-2010 02:13:55	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	41425	Yes
32	GOM_TRA_1PNPDE20100201_022024_000000452086_00289_41425_8001.N1	01-FEB-2010 02:20:24	Tw_i_and_stray	44.500	86	35Eta Oph	2.4300	10200.	89	41425	No
33	GOM_TRA_1PNPDE20100201_022443_000000532086_00289_41425_8002.N1	01-FEB-2010 02:24:43	Dark	53.000	16	21Alp Sco	1.0200	3000.0	106	41425	No
34	GOM_TRA_1PNPDE20100201_022607_000000452086_00289_41425_8003.N1	01-FEB-2010 02:26:07	Dark	44.500	158	6Pi Sco	2.9060	28000.	89	41425	No
35	GOM_TRA_1PNPDE20100201_023030_000000432086_00289_41425_8004.N1	01-FEB-2010 02:30:30	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41425	No
36	GOM_TRA_1PNPDE20100201_023244_000000452086_00290_41426_8005.N1	01-FEB-2010 02:32:44	Dark	45.000	109	Bet Lup	2.6770	26000.	90	41426	No
37	GOM_TRA_1PNPDE20100201_023541_000000432086_00290_41426_8006.N1	01-FEB-2010 02:35:41	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	41426	No
38	GOM_TRA_1PNPDE20100201_023738_000000432086_00290_41426_8007.N1	01-FEB-2010 02:37:38	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41426	No
39	GOM_TRA_1PNPDE20100201_024017_000000442086_00290_41426_8008.N1	01-FEB-2010 02:40:17	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	41426	No
40	GOM_TRA_1PNPDE20100201_024218_000000442086_00290_41426_8009.N1	01-FEB-2010 02:42:18	Dark	44.000	99	Del Cen	2.5750	26000.	88	41426	No
41	GOM_TRA_1PNPDE20100201_024415_000000382086_00290_41426_8010.N1	01-FEB-2010 02:44:15	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41426	No
42	GOM_TRA_1PNPDE20100201_024610_000000412086_00290_41426_8011.N1	01-FEB-2010 02:46:10	Dark	41.000	71	Iot Car	2.2460	7700.0	82	41426	No
43	GOM_TRA_1PNPDE20100201_024755_000000432086_00290_41426_8012.N1	01-FEB-2010 02:47:55	Dark	42.500	46	Del Vel	1.9540	10600.	85	41426	No
44	GOM_TRA_1PNPDE20100201_025026_000000432086_00290_41426_8013.N1	01-FEB-2010 02:50:26	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41426	No
45	GOM_TRA_1PNPDE20100201_025231_000000422086_00290_41426_8014.N1	01-FEB-2010 02:52:31	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	41426	No
46	GOM_TRA_1PNPDE20100201_025653_000000432086_00290_41426_8015.N1	01-FEB-2010 02:56:53	Straylight	42.500	132	15Rho Pup	2.8030	6900.0	85	41426	No
47	GOM_TRA_1PNPDE20100201_030539_000000502086_00290_41426_8016.N1	01-FEB-2010 03:05:39	Tw_i_and_stray	50.000	8	10Alp CMi	0.40000	6500.0	100	41426	No
48	GOM_TRA_1PNPDE20100201_031127_000000382086_00290_41426_8017.N1	01-FEB-2010 03:11:27	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41426	No
49	GOM_TRA_1PNPDE20100201_031322_000000402086_00290_41426_8018.N1	01-FEB-2010 03:13:22	Bright	39.500	24	66Alp Gem	1.5800	10200.	79	41426	No
50	GOM_TRA_1PNPDE20100201_032934_000000382086_00290_41426_8019.N1	01-FEB-2010 03:29:34	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41426	No
51	GOM_TRA_1PNPDE20100201_033239_000000452086_00290_41426_8020.N1	01-FEB-2010 03:32:39	Bright	44.500	60	7Bet UMi	2.0810	3950.0	89	41426	No
52	GOM_TRA_1PNPDE20100201_033722_000000432086_00290_41426_8021.N1	01-FEB-2010 03:37:22	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	41426	No
53	GOM_TRA_1PNPDE20100201_034033_000000352086_00290_41426_8022.N1	01-FEB-2010 03:40:33	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	41426	No
54	GOM_TRA_1PNPDE20100201_034411_000000352086_00290_41426_8023.N1	01-FEB-2010 03:44:11	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	41426	No
55	GOM_TRA_1PNPDE20100201_035224_000000372086_00290_41426_8024.N1	01-FEB-2010 03:52:24	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	41426	No
56	GOM_TRA_1PNPDE20100201_035432_000000432086_00290_41426_8025.N1	01-FEB-2010 03:54:32	Bright	42.500	126	60Bet Oph	2.7700	4250.0	85	41426	No
57	GOM_TRA_1PNPDE20100201_040101_000000462086_00290_41426_8026.N1	01-FEB-2010 04:01:01	Tw_i_and_stray	45.500	86	35Eta Oph	2.4300	10200.	91	41426	No
58	GOM_TRA_1PNPDE20100201_040520_000000502086_00290_41426_8027.N1	01-FEB-2010 04:05:20	Dark	50.000	16	21Alp Sco	1.0200	3000.0	100	41426	No
59	GOM_TRA_1PNPDE20100201_040644_000000442086_00290_41426_8028.N1	01-FEB-2010 04:06:44	Dark	44.000	158	6Pi Sco	2.9060	28000.	88	41426	No
60	GOM_TRA_1PNPDE20100201_041107_000000432086_00290_41426_8029.N1	01-FEB-2010 04:11:07	Dark	42.500	131	Gam Lup	2.8000	26000.	85	41426	No
61	GOM_TRA_1PNPDE20100201_041618_000000552086_00291_41427_8030.N1	01-FEB-2010 04:16:18	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	41427	No
62	GOM_TRA_1PNPDE20100201_041814_000000432086_00291_41427_8031.N1	01-FEB-2010 04:18:14	Dark	43.000	77	Eps Cen	2.3030	28000.	86	41427	No
63	GOM_TRA_1PNPDE20100201_042053_000000482086_00291_41427_8032.N1	01-FEB-2010 04:20:53	Dark	48.000	12	Alp1Cru	0.77500	30000.	96	41427	No
64	GOM_TRA_1PNPDE20100201_042255_000000492086_00291_41427_8033.N1	01-FEB-2010 04:22:55	Dark	49.000	99	Del Cen	2.5750	26000.	98	41427	No
65	GOM_TRA_1PNPDE20100201_042451_000000392086_00291_41427_8034.N1	01-FEB-2010 04:24:51	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41427	No
66	GOM_TRA_1PNPDE20100201_042646_000000442086_00291_41427_8035.N1	01-FEB-2010 04:26:46	Dark	43.500	71	Iot Car	2.2460	7700.0	87	41427	No
67	GOM_TRA_1PNPDE20100201_042831_000000432086_00291_41427_8036.N1	01-FEB-2010 04:28:31	Dark	42.500	46	Del Vel	1.9540	10600.	85	41427	No
68	GOM_TRA_1PNPDE20100201_043102_000000432086_00291_41427_8037.N1	01-FEB-2010 04:31:02	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41427	No

69	GOM_TRA_1PNPDE20100201_043307_000000402086_00291_41427_8038.N1	01-FEB-2010 04:33:07	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41427	No
70	GOM_TRA_1PNPDE20100201_043729_000000422086_00291_41427_8039.N1	01-FEB-2010 04:37:29	Straylight	42.000	132	15Rho Pup	2.8030	6900.0	84	41427	No
71	GOM_TRA_1PNPDE20100201_044614_000000502086_00291_41427_8040.N1	01-FEB-2010 04:46:14	Tw_i_and_stray	50.000	8	10Alp CMi	0.40000	6500.0	100	41427	No
72	GOM_TRA_1PNPDE20100201_045203_000000362086_00291_41427_8041.N1	01-FEB-2010 04:52:03	Bright	36.000	170	27Eps Gem	3.0000	9700.0	72	41427	No
73	GOM_TRA_1PNPDE20100201_045357_000000392086_00291_41427_8042.N1	01-FEB-2010 04:53:57	Bright	38.500	24	66Alp Gem	1.5800	10200.	77	41427	No
74	GOM_TRA_1PNPDE20100201_051009_000000352086_00291_41427_8043.N1	01-FEB-2010 05:10:09	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	41427	No
75	GOM_TRA_1PNPDE20100201_051315_000000422086_00291_41427_8038.N1	01-FEB-2010 05:13:15	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41427	No
76	GOM_TRA_1PNPDE20100201_051758_000000432086_00291_41427_8039.N1	01-FEB-2010 05:17:58	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	41427	No
77	GOM_TRA_1PNPDE20100201_052109_000000372086_00291_41427_8040.N1	01-FEB-2010 05:21:09	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	41427	No
78	GOM_TRA_1PNPDE20100201_052447_000000372086_00291_41427_8041.N1	01-FEB-2010 05:24:47	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	41427	No
79	GOM_TRA_1PNPDE20100201_053300_000000382086_00291_41427_8042.N1	01-FEB-2010 05:33:00	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	41427	No
80	GOM_TRA_1PNPDE20100201_053508_000000372086_00291_41427_8043.N1	01-FEB-2010 05:35:08	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	41427	No
81	GOM_TRA_1PNPDE20100201_054137_000000462086_00291_41427_8044.N1	01-FEB-2010 05:41:37	Tw_i_and_stray	46.000	86	35Eta Oph	2.4300	10200.	92	41427	No
82	GOM_TRA_1PNPDE20100201_054556_000000502086_00291_41427_8045.N1	01-FEB-2010 05:45:56	Dark	50.000	16	21Alp Sco	1.0200	3000.0	100	41427	No
83	GOM_TRA_1PNPDE20100201_054720_000000462086_00291_41427_8046.N1	01-FEB-2010 05:47:20	Dark	45.500	158	6Pi Sco	2.9060	28000.	91	41427	No
84	GOM_TRA_1PNPDE20100201_055144_000000452086_00291_41427_8047.N1	01-FEB-2010 05:51:44	Dark	44.500	131	Gam Lup	2.8000	26000.	89	41427	No
85	GOM_TRA_1PNPDE20100201_055654_000000452086_00292_41428_8048.N1	01-FEB-2010 05:56:54	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	41428	No
86	GOM_TRA_1PNPDE20100201_055851_000000422086_00292_41428_8049.N1	01-FEB-2010 05:58:51	Dark	42.000	77	Eps Cen	2.3030	28000.	84	41428	No
87	GOM_TRA_1PNPDE20100201_060130_000000412086_00292_41428_8050.N1	01-FEB-2010 06:01:30	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	41428	No
88	GOM_TRA_1PNPDE20100201_060332_000000442086_00292_41428_8051.N1	01-FEB-2010 06:03:32	Dark	44.000	99	Del Cen	2.5750	26000.	88	41428	No
89	GOM_TRA_1PNPDE20100201_060527_000000382086_00292_41428_8052.N1	01-FEB-2010 06:05:27	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41428	No
90	GOM_TRA_1PNPDE20100201_060722_000000462086_00292_41428_8053.N1	01-FEB-2010 06:07:22	Dark	45.500	71	Iot Car	2.2460	7700.0	91	41428	No
91	GOM_TRA_1PNPDE20100201_060907_000000452086_00292_41428_8054.N1	01-FEB-2010 06:09:07	Dark	45.000	46	Del Vel	1.9540	10600.	90	41428	No
92	GOM_TRA_1PNPDE20100201_061138_000000422086_00292_41428_8055.N1	01-FEB-2010 06:11:38	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	41428	No
93	GOM_TRA_1PNPDE20100201_061344_000000422086_00292_41428_8056.N1	01-FEB-2010 06:13:44	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	41428	No
94	GOM_TRA_1PNPDE20100201_061806_000000432086_00292_41428_8057.N1	01-FEB-2010 06:18:06	Straylight	42.500	132	15Rho Pup	2.8030	6900.0	85	41428	No
95	GOM_TRA_1PNPDE20100201_062651_000000522086_00292_41428_8058.N1	01-FEB-2010 06:26:51	Tw_i_and_stray	52.000	8	10Alp CMi	0.40000	6500.0	104	41428	No
96	GOM_TRA_1PNPDE20100201_063239_000000372086_00292_41428_8059.N1	01-FEB-2010 06:32:39	Bright	36.500	170	27Eps Gem	3.0000	9700.0	73	41428	No
97	GOM_TRA_1PNPDE20100201_063433_000000392086_00292_41428_8060.N1	01-FEB-2010 06:34:33	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	41428	No
98	GOM_TRA_1PNPDE20100201_065045_000000362086_00292_41428_8061.N1	01-FEB-2010 06:50:45	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41428	No
99	GOM_TRA_1PNPDE20100201_065350_000000452086_00292_41428_8062.N1	01-FEB-2010 06:53:50	Bright	44.500	60	7Bet UMi	2.0810	3950.0	89	41428	No
100	GOM_TRA_1PNPDE20100201_193212_000000452086_00300_41436_8122.N1	01-FEB-2010 19:32:12	Dark	45.000	71	Iot Car	2.2460	7700.0	90	41436	Yes
101	GOM_TRA_1PNPDE20100201_193357_000000422086_00300_41436_8123.N1	01-FEB-2010 19:33:57	Dark	42.000	46	Del Vel	1.9540	10600.	84	41436	No
102	GOM_TRA_1PNPDE20100201_193628_000000422086_00300_41436_8124.N1	01-FEB-2010 19:36:28	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	41436	No
103	GOM_TRA_1PNPDE20100201_193833_000000412086_00300_41436_8125.N1	01-FEB-2010 19:38:33	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	41436	No
104	GOM_TRA_1PNPDE20100201_194254_000000422086_00300_41436_8126.N1	01-FEB-2010 19:42:54	Straylight	42.000	132	15Rho Pup	2.8030	6900.0	84	41436	No
105	GOM_TRA_1PNPDE20100201_195138_000000492086_00300_41436_8127.N1	01-FEB-2010 19:51:38	Tw_i_and_stray	49.000	8	10Alp CMi	0.40000	6500.0	98	41436	No
106	GOM_TRA_1PNPDE20100201_195728_000000392086_00300_41436_8128.N1	01-FEB-2010 19:57:28	Bright	38.500	170	27Eps Gem	3.0000	9700.0	77	41436	No
107	GOM_TRA_1PNPDE20100201_195920_000000542086_00300_41436_8129.N1	01-FEB-2010 19:59:20	Bright	54.000	24	66Alp Gem	1.5800	10200.	108	41436	No
108	GOM_TRA_1PNPDE20100201_201533_000000352086_00300_41436_8130.N1	01-FEB-2010 20:15:33	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	41436	No
109	GOM_TRA_1PNPDE20100201_201836_000000372086_00300_41436_8131.N1	01-FEB-2010 20:18:36	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	41436	No
110	GOM_TRA_1PNPDE20100201_202320_000000412086_00300_41436_8132.N1	01-FEB-2010 20:23:20	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41436	No
111	GOM_TRA_1PNPDE20100201_202632_000000412086_00300_41436_8133.N1	01-FEB-2010 20:26:32	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	41436	No
112	GOM_TRA_1PNPDE20100201_203012_000000362086_00300_41436_8134.N1	01-FEB-2010 20:30:12	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41436	No
113	GOM_TRA_1PNPDE20100201_203826_000000552086_00300_41436_8135.N1	01-FEB-2010 20:38:26	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	41436	No
114	GOM_TRA_1PNPDE20100201_204034_000000362086_00300_41436_8136.N1	01-FEB-2010 20:40:34	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	41436	No
115	GOM_TRA_1PNPDE20100201_204705_000000452086_00300_41436_8142.N1	01-FEB-2010 20:47:05	Tw_i_and_stray	45.000	86	35Eta Oph	2.4300	10200.	90	41436	No
116	GOM_TRA_1PNPDE20100201_205126_000000492086_00300_41436_8143.N1	01-FEB-2010 20:51:26	Dark	48.500	16	21Alp Sco	1.0200	3000.0	97	41436	No
117	GOM_TRA_1PNPDE20100201_205252_000000482086_00300_41436_8144.N1	01-FEB-2010 20:52:52	Dark	47.500	158	6Pi Sco	2.9060	28000.	95	41436	No
118	GOM_TRA_1PNPDE20100201_205715_000000422086_00300_41436_8145.N1	01-FEB-2010 20:57:15	Dark	42.000	131	Gam Lup	2.8000	26000.	84	41436	No
119	GOM_TRA_1PNPDE20100201_205929_000000452086_00301_41437_8146.N1	01-FEB-2010 20:59:29	Dark	45.000	109	Bet Lup	2.6770	26000.	90	41437	No
120	GOM_TRA_1PNPDE20100201_210222_000000422086_00301_41437_8147.N1	01-FEB-2010 21:02:22	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41437	No
121	GOM_TRA_1PNPDE20100201_210422_000000412086_00301_41437_8148.N1	01-FEB-2010 21:04:22	Dark	40.500	77	Eps Cen	2.3030	28000.	81	41437	No
122	GOM_TRA_1PNPDE20100201_210658_000000422086_00301_41437_8149.N1	01-FEB-2010 21:06:58	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	41437	No
123	GOM_TRA_1PNPDE20100201_210902_000000452086_00301_41437_8150.N1	01-FEB-2010 21:09:02	Dark	45.000	99	Del Cen	2.5750	26000.	90	41437	No
124	GOM_TRA_1PNPDE20100201_211053_000000402086_00301_41437_8151.N1	01-FEB-2010 21:10:53	Dark	39.500	159	Ups Car	2.9200	7200.0	79	41437	No
125	GOM_TRA_1PNPDE20100201_211249_000000392086_00301_41437_8152.N1	01-FEB-2010 21:12:49	Dark	38.500	71	Iot Car	2.2460	7700.0	77	41437	No
126	GOM_TRA_1PNPDE20100201_211433_000000412086_00301_41437_8153.N1	01-FEB-2010 21:14:33	Dark	41.000	46	Del Vel	1.9540	10600.	82	41437	No
127	GOM_TRA_1PNPDE20100201_211704_000000422086_00301_41437_8154.N1	01-FEB-2010 21:17:04	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41437	No



128	GOM_TRA_1PNPDE20100201_211909_000000422086_00301_41437_8155.N1	01-FEB-2010 21:19:09	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	41437	No
129	GOM_TRA_1PNPDE20100201_212331_000000432086_00301_41437_8156.N1	01-FEB-2010 21:23:31	Straylight	43.000	132	15Rho Pup	2.8030	6900.0	86	41437	No
130	GOM_TRA_1PNPDE20100201_213214_000000472086_00301_41437_8157.N1	01-FEB-2010 21:32:14	Twilight_stray	46.500	8	10Alp CMi	0.40000	6500.0	93	41437	No
131	GOM_TRA_1PNPDE20100201_213804_000000522086_00301_41437_8158.N1	01-FEB-2010 21:38:04	Bright	52.000	170	27Eps Gem	3.0000	9700.0	104	41437	No
132	GOM_TRA_1PNPDE20100201_213956_000000392086_00301_41437_8159.N1	01-FEB-2010 21:39:56	Bright	38.500	24	66Alp Gem	1.5800	10200.	77	41437	No
133	GOM_TRA_1PNPDE20100201_215609_000000352086_00301_41437_8160.N1	01-FEB-2010 21:56:09	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	41437	No
134	GOM_TRA_1PNPDE20100201_215912_000000402086_00301_41437_8161.N1	01-FEB-2010 21:59:12	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41437	No
135	GOM_TRA_1PNPDE20100201_220355_000000422086_00301_41437_8162.N1	01-FEB-2010 22:03:55	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41437	No
136	GOM_TRA_1PNPDE20100201_220708_000000392086_00301_41437_8163.N1	01-FEB-2010 22:07:08	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	41437	No
137	GOM_TRA_1PNPDE20100201_221048_000000522086_00301_41437_8164.N1	01-FEB-2010 22:10:48	Bright	52.000	5	3Alp Lyr	0.033000	11000.	104	41437	No
138	GOM_TRA_1PNPDE20100201_221902_000000552086_00301_41437_8165.N1	01-FEB-2010 22:19:02	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	41437	No
139	GOM_TRA_1PNPDE20100201_222110_000000362086_00301_41437_8166.N1	01-FEB-2010 22:21:10	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	41437	No
140	GOM_TRA_1PNPDE20100201_222742_000000442086_00301_41437_8162.N1	01-FEB-2010 22:27:42	Twilight_stray	43.500	86	35Eta Oph	2.4300	10200.	87	41437	No
141	GOM_TRA_1PNPDE20100201_223203_000000542086_00301_41437_8163.N1	01-FEB-2010 22:32:03	Dark	54.000	16	21Alp Sco	1.0200	3000.0	108	41437	No
142	GOM_TRA_1PNPDE20100201_223751_000000432086_00301_41437_8164.N1	01-FEB-2010 22:37:51	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41437	No
143	GOM_TRA_1PNPDE20100201_224006_000000472086_00302_41438_8165.N1	01-FEB-2010 22:40:06	Dark	46.500	109	Bet Lup	2.6770	26000.	93	41438	No
144	GOM_TRA_1PNPDE20100201_224259_000000542086_00302_41438_8166.N1	01-FEB-2010 22:42:59	Dark	53.500	4	Alp1Cen	-0.010000	5800.0	107	41438	No
145	GOM_TRA_1PNPDE20100201_224411_000000432086_00302_41438_8167.N1	01-FEB-2010 22:44:11	Dark	42.500	10	Bet Cen	0.61000	28000.	85	41438	No
146	GOM_TRA_1PNPDE20100201_224734_000000422086_00302_41438_8168.N1	01-FEB-2010 22:47:34	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41438	No
147	GOM_TRA_1PNPDE20100201_224938_000000442086_00302_41438_8169.N1	01-FEB-2010 22:49:38	Dark	44.000	99	Del Cen	2.5750	26000.	88	41438	No
148	GOM_TRA_1PNPDE20100201_225130_000000372086_00302_41438_8170.N1	01-FEB-2010 22:51:30	Dark	37.000	159	Ups Car	2.9200	7200.0	74	41438	No
149	GOM_TRA_1PNPDE20100201_225325_000000392086_00302_41438_8171.N1	01-FEB-2010 22:53:25	Dark	39.000	71	lot Car	2.2460	7700.0	78	41438	No
150	GOM_TRA_1PNPDE20100201_225509_000000422086_00302_41438_8172.N1	01-FEB-2010 22:55:09	Dark	42.000	46	Del Vel	1.9540	10600.	84	41438	No
151	GOM_TRA_1PNPDE20100201_225740_000000412086_00302_41438_8173.N1	01-FEB-2010 22:57:40	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	41438	No
152	GOM_TRA_1PNPDE20100201_225945_000000422086_00302_41438_8174.N1	01-FEB-2010 22:59:45	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	41438	No
153	GOM_TRA_1PNPDE20100201_230406_000000422086_00302_41438_8175.N1	01-FEB-2010 23:04:06	Straylight	42.000	132	15Rho Pup	2.8030	6900.0	84	41438	No
154	GOM_TRA_1PNPDE20100201_231250_000000532086_00302_41438_8176.N1	01-FEB-2010 23:12:50	Twilight_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	41438	No
155	GOM_TRA_1PNPDE20100201_231840_000000372086_00302_41438_8177.N1	01-FEB-2010 23:18:40	Bright	36.500	170	27Eps Gem	3.0000	9700.0	73	41438	No
156	GOM_TRA_1PNPDE20100201_232031_000000382086_00302_41438_8178.N1	01-FEB-2010 23:20:31	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	41438	No
157	GOM_TRA_1PNPDE20100201_233645_000000342086_00302_41438_8179.N1	01-FEB-2010 23:36:45	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	41438	No
158	GOM_TRA_1PNPDE20100201_233947_000000392086_00302_41438_8180.N1	01-FEB-2010 23:39:47	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	41438	No
159	GOM_TRA_1PNPDE20100201_234431_000000422086_00302_41438_8181.N1	01-FEB-2010 23:44:31	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	41438	No
160	GOM_TRA_1PNPDE20100201_234743_000000402086_00302_41438_8182.N1	01-FEB-2010 23:47:43	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	41438	No
161	GOM_TRA_1PNPDE20100201_235123_000000342086_00302_41438_8183.N1	01-FEB-2010 23:51:23	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	41438	No
162	GOM_TRA_1PNPDE20100201_235938_000000552086_00302_41438_8184.N1	01-FEB-2010 23:59:38	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	41438	No

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



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

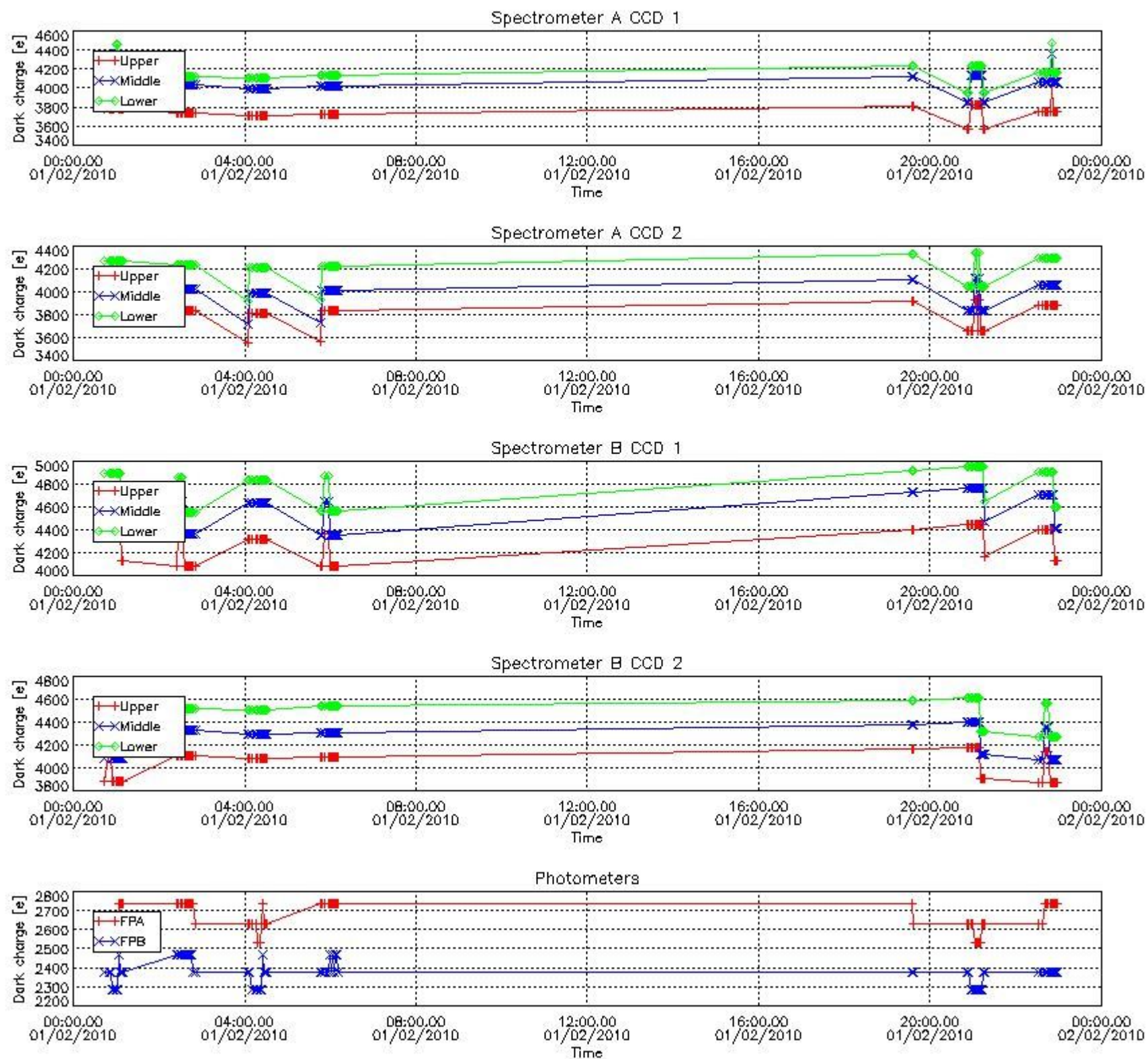
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100201_193212_000000452086_00300_41436_8122.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100201_193357_000000422086_00300_41436_8123.N1	DC map used
GOM_TRA_1PNPDE20100201_193628_000000422086_00300_41436_8124.N1	DC map used
GOM_TRA_1PNPDE20100201_193833_000000412086_00300_41436_8125.N1	DC map used
GOM_TRA_1PNPDE20100201_194254_000000422086_00300_41436_8126.N1	DC map used
GOM_TRA_1PNPDE20100201_195138_000000492086_00300_41436_8127.N1	DC map used
GOM_TRA_1PNPDE20100201_195728_000000392086_00300_41436_8128.N1	DC map used
GOM_TRA_1PNPDE20100201_195920_000000542086_00300_41436_8129.N1	DC map used
GOM_TRA_1PNPDE20100201_201533_000000352086_00300_41436_8130.N1	DC map used
GOM_TRA_1PNPDE20100201_201836_000000372086_00300_41436_8131.N1	DC map used
GOM_TRA_1PNPDE20100201_202320_000000412086_00300_41436_8132.N1	DC map used
GOM_TRA_1PNPDE20100201_202632_000000412086_00300_41436_8133.N1	DC map used
GOM_TRA_1PNPDE20100201_203012_000000362086_00300_41436_8134.N1	DC map used
GOM_TRA_1PNPDE20100201_203826_000000552086_00300_41436_8135.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

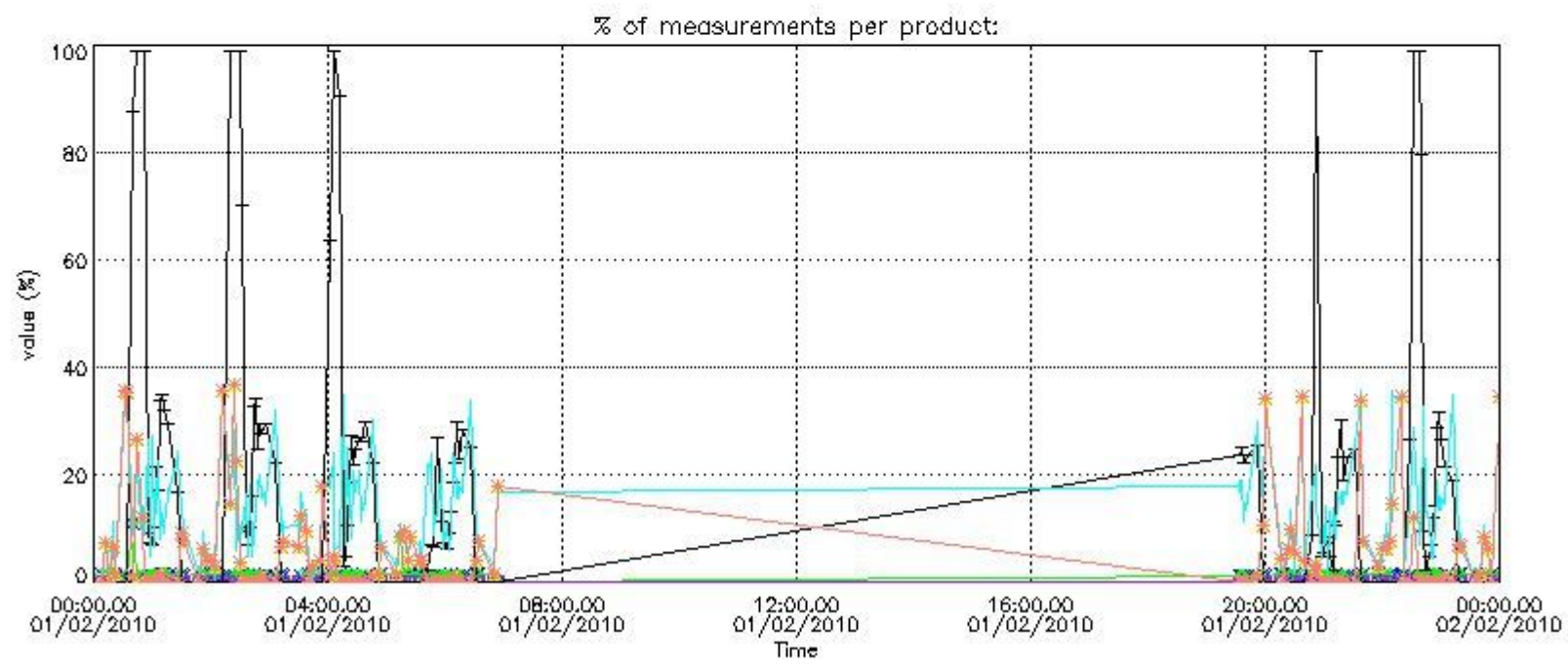
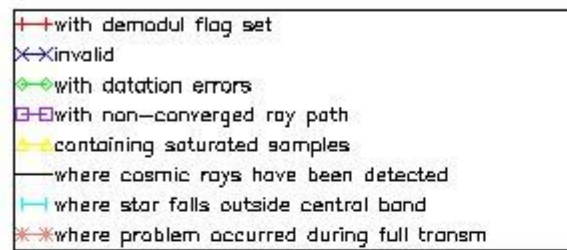
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.



5.1 Percentage of products during reporting period with:

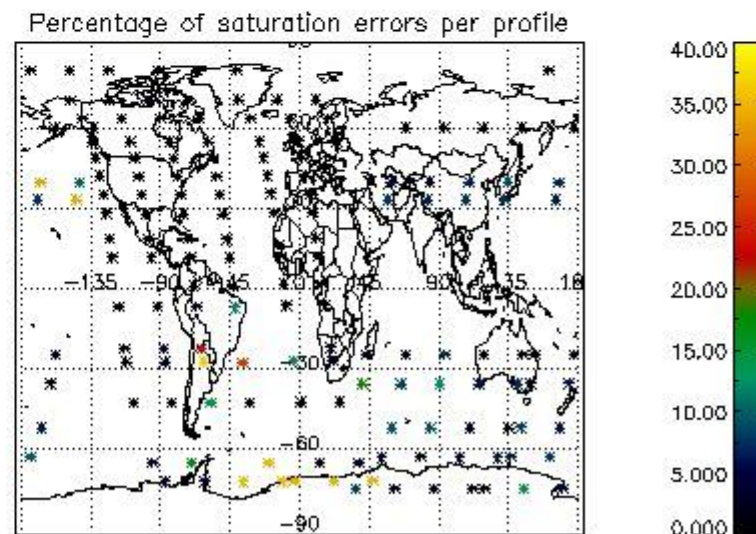
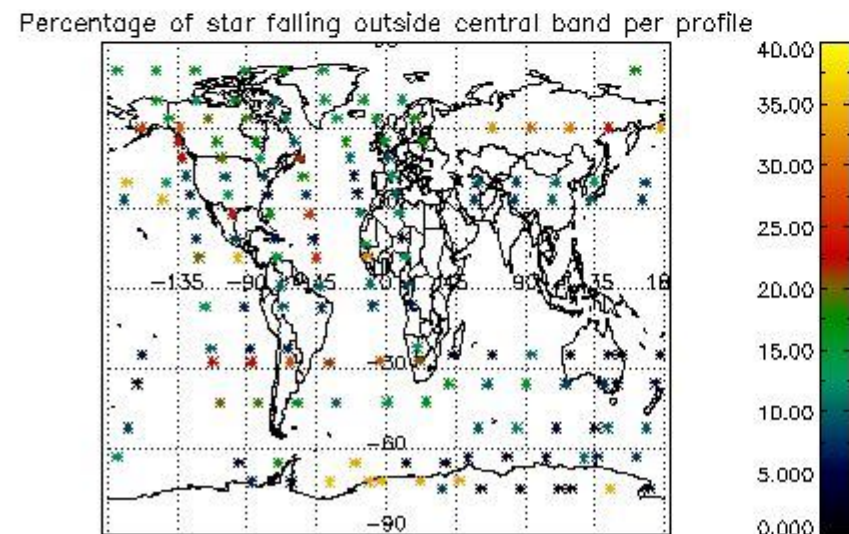
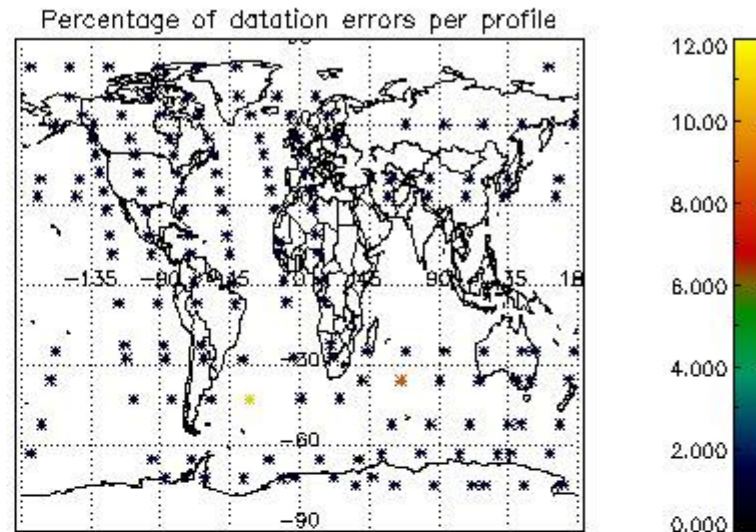
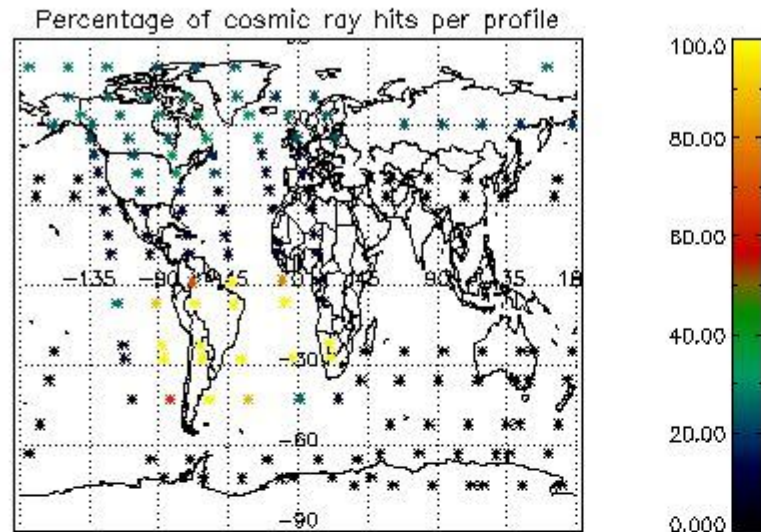
At least one measurement with demodulation flag set:	38.7500 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





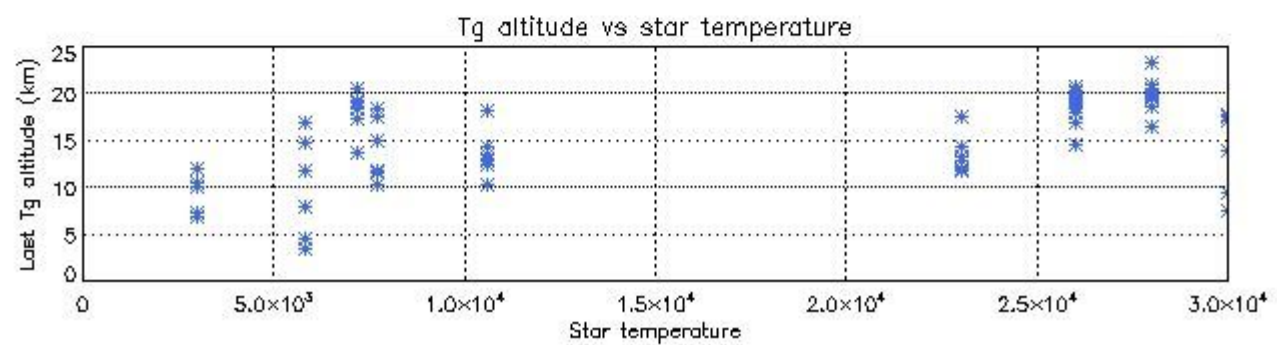
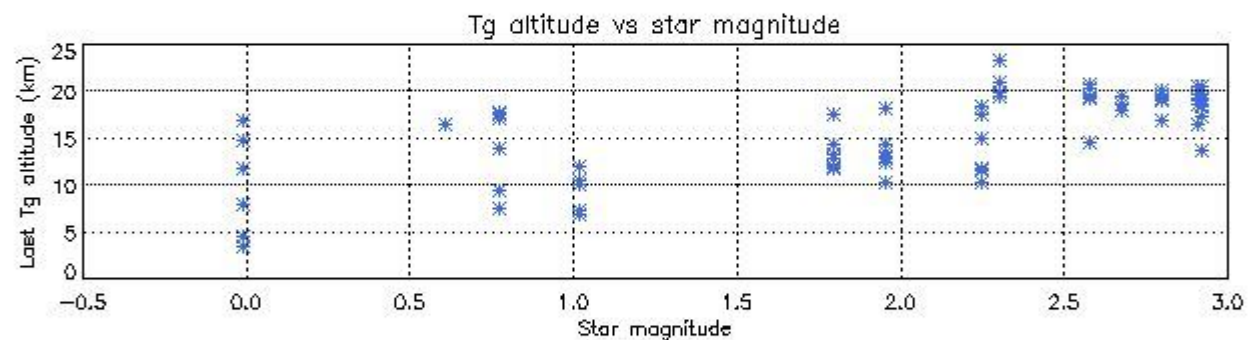
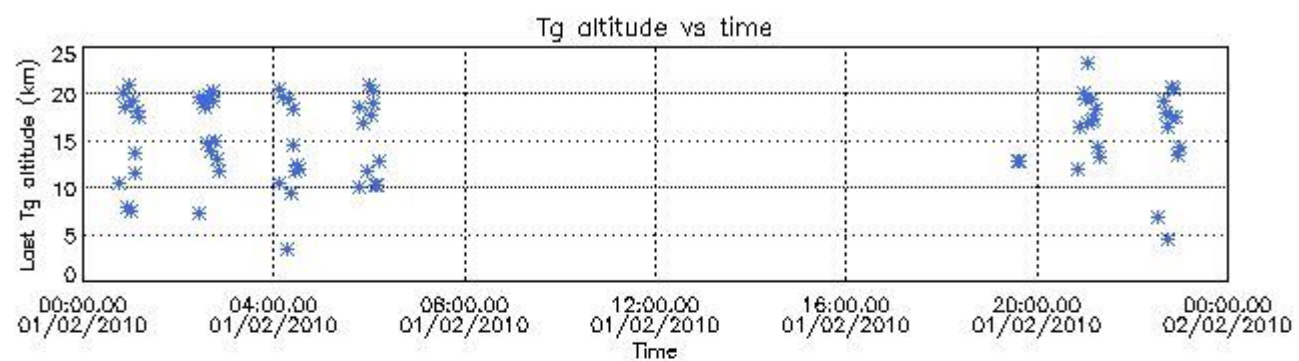
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.441	18.178	NaN
St. deviation:	4.4829	6.5885	NaN
Maximum:	23.366	29.048	NaN
Minimum:	3.4555	3.6974	NaN
Number of data:	70.000	63.000	NaN

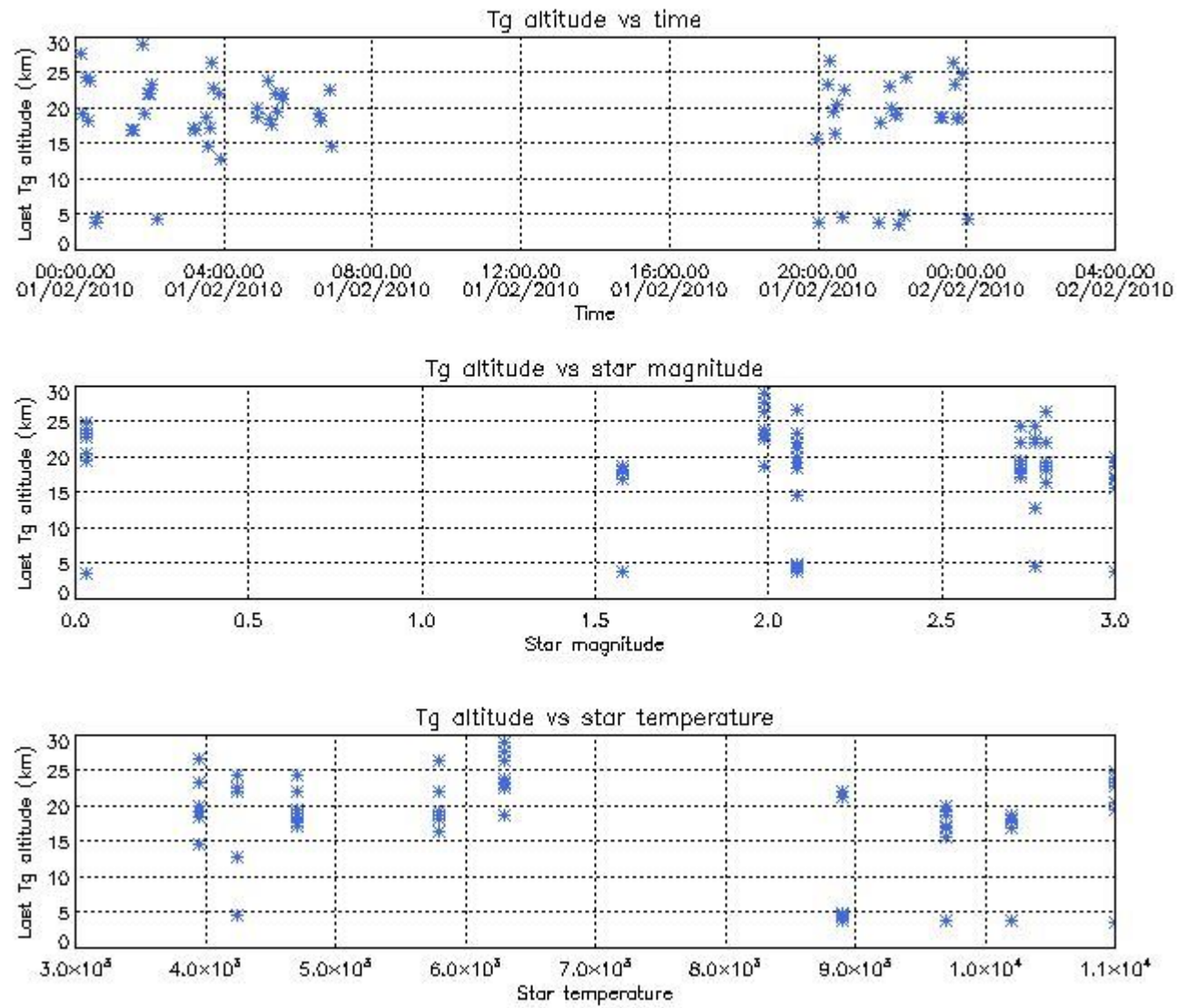
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



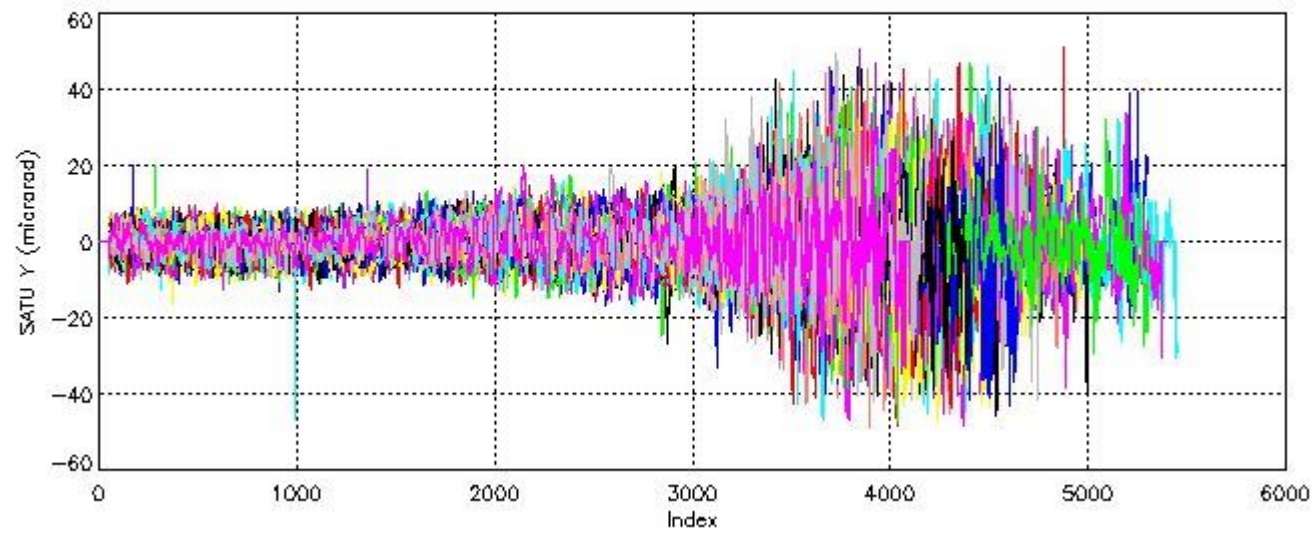
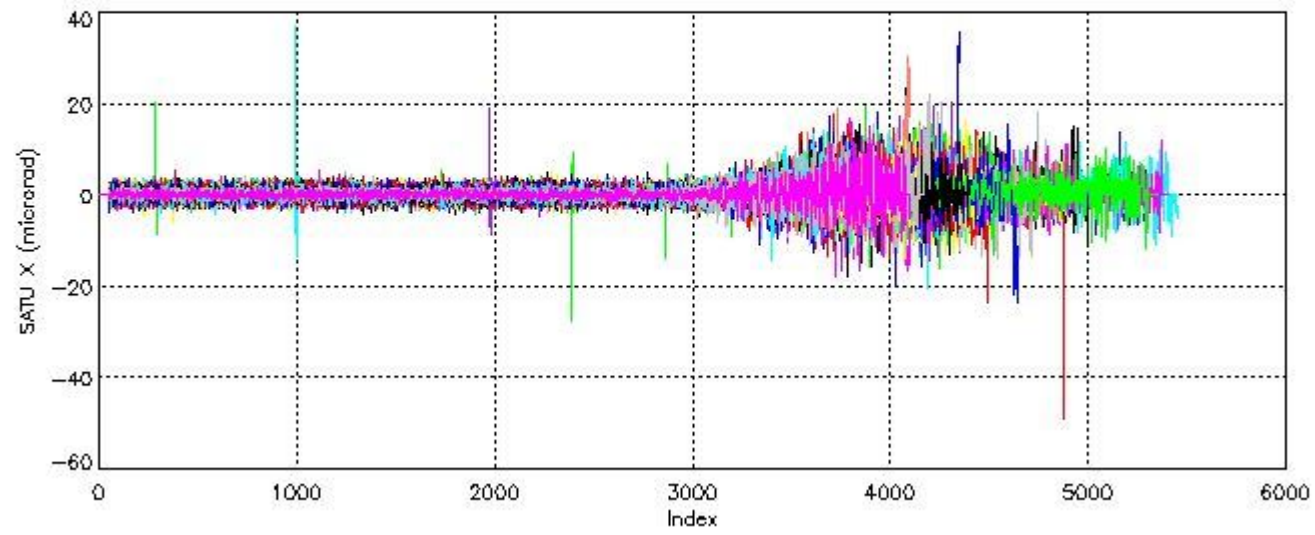
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.14571	-0.36477	0.075490	-0.39983
St. deviation:	0.67189	2.8054	0.54798	2.6281
Maximum:	37.100	20.200	2.9000	10.800
Minimum:	-13.500	-47.100	-2.9000	-12.800

Number of data:	66700.	66700.	55500.	55500.
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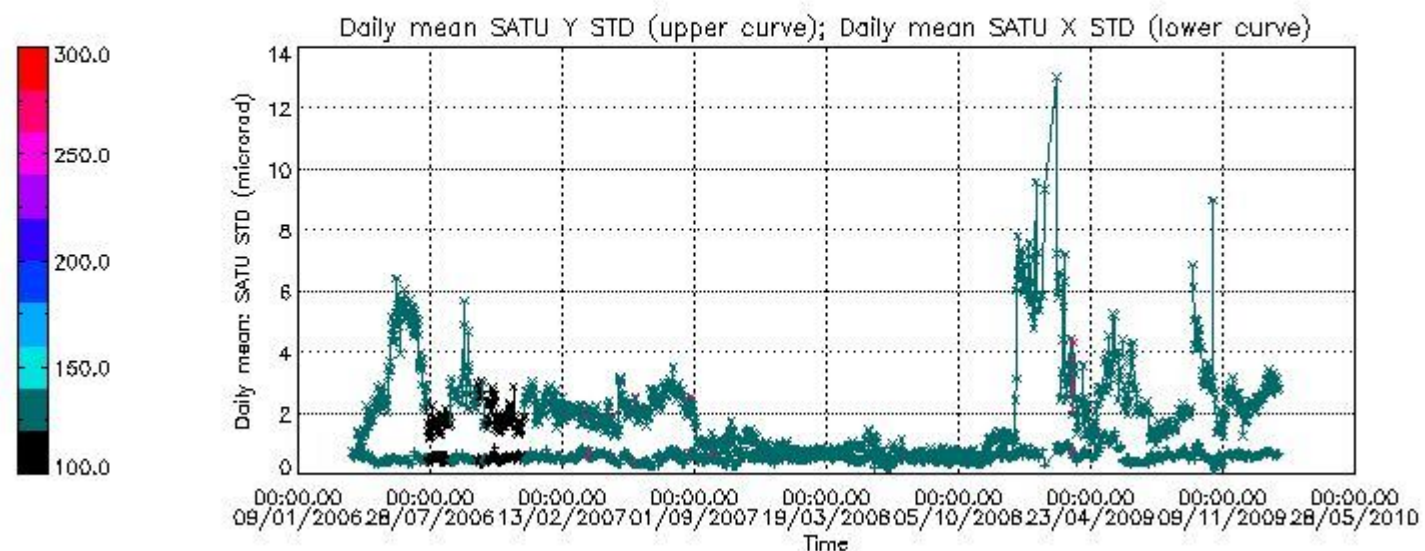
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

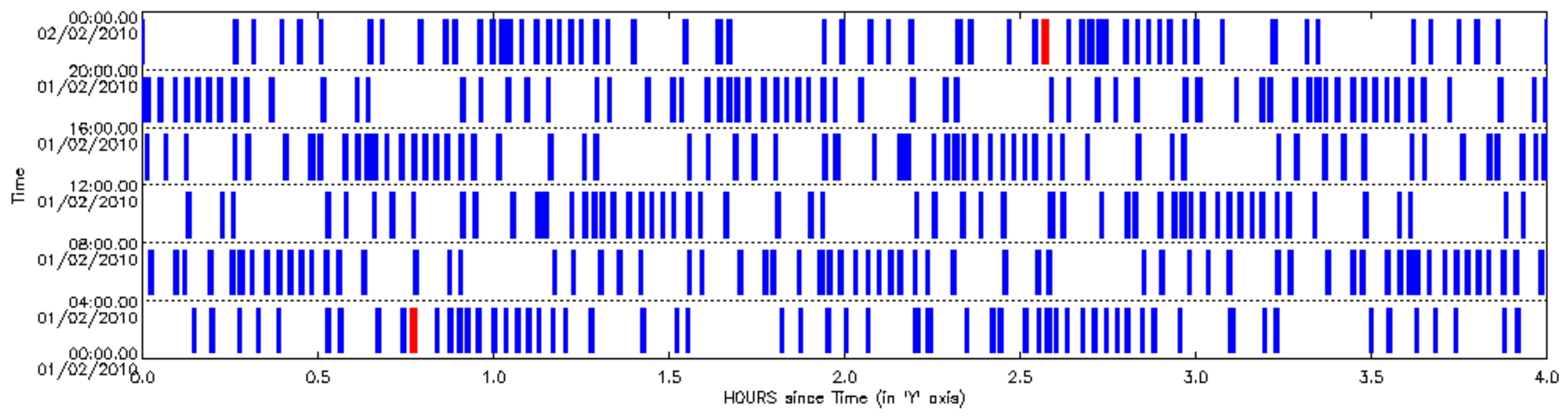
Lower curve: STD of SATU X axis



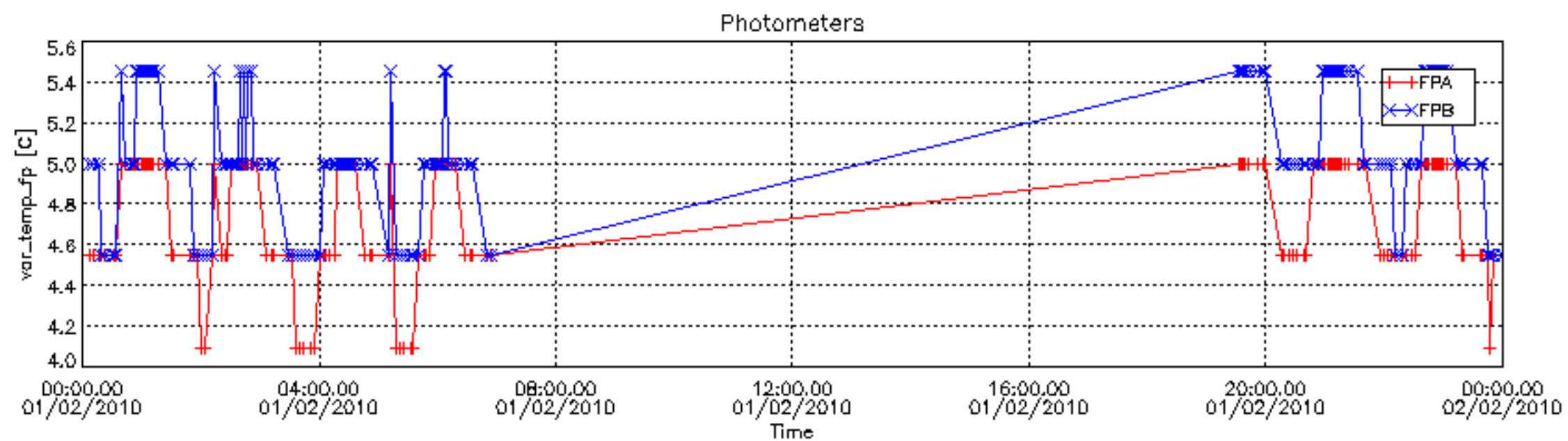
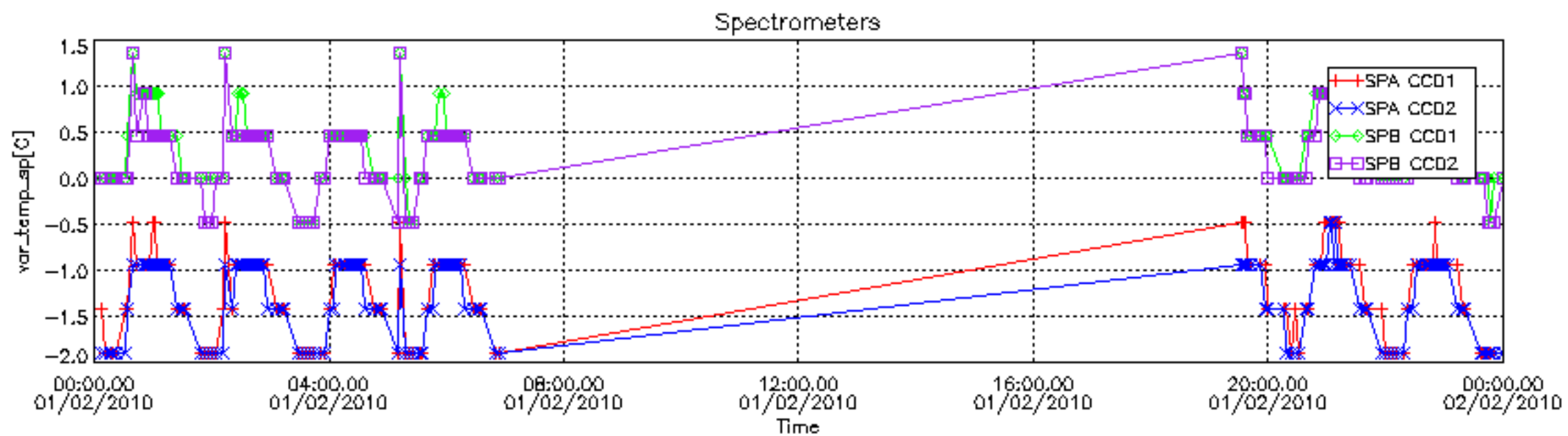
### 8. Auxiliary Data Files used for the production reported in section 2.4

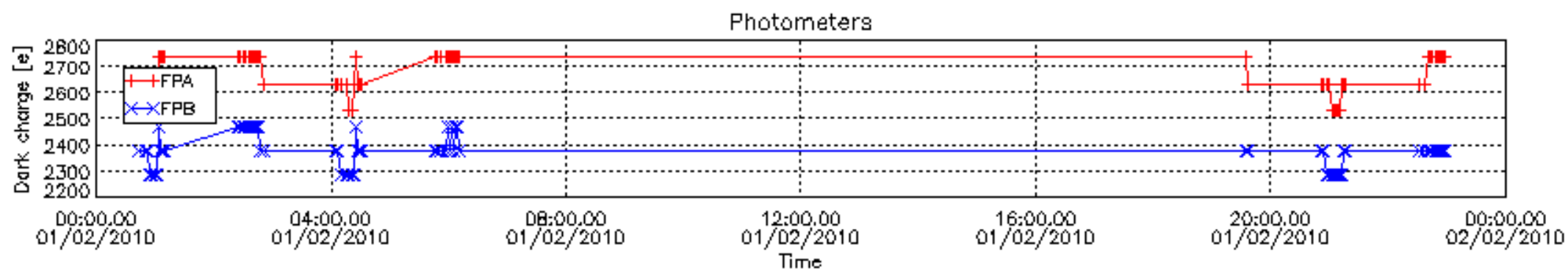
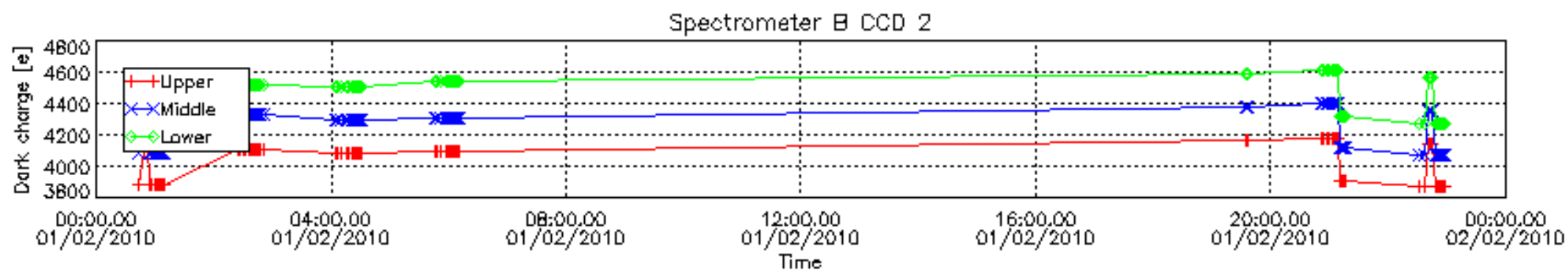
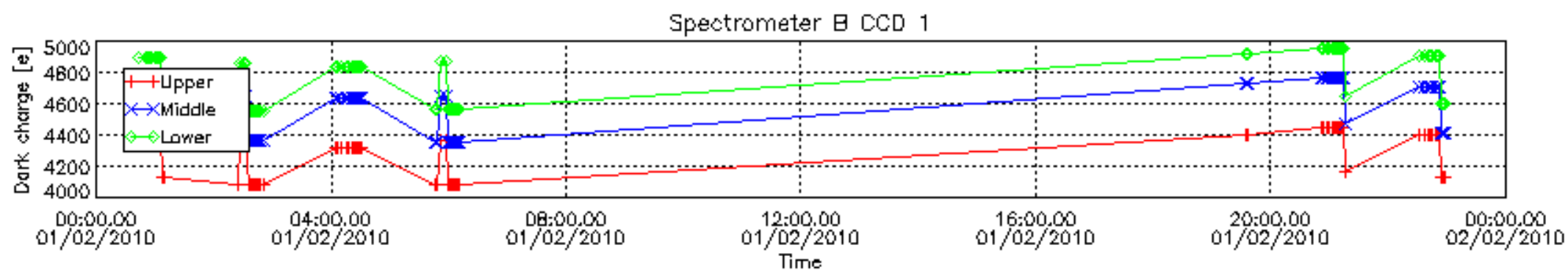
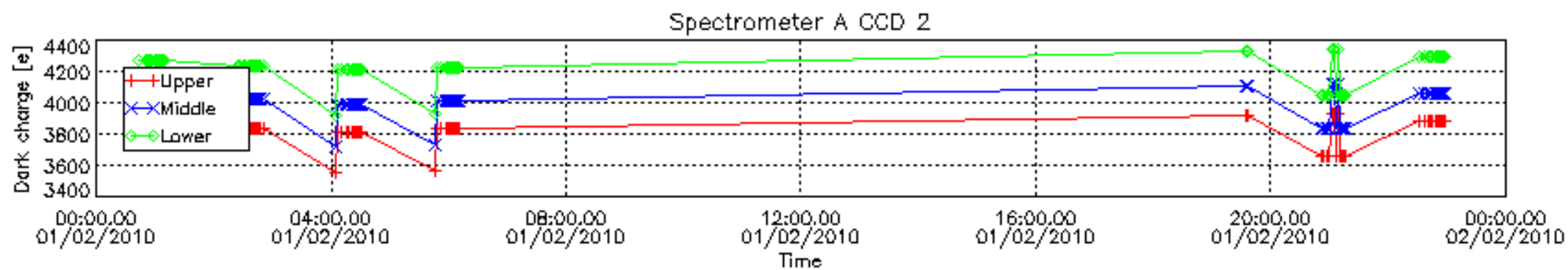
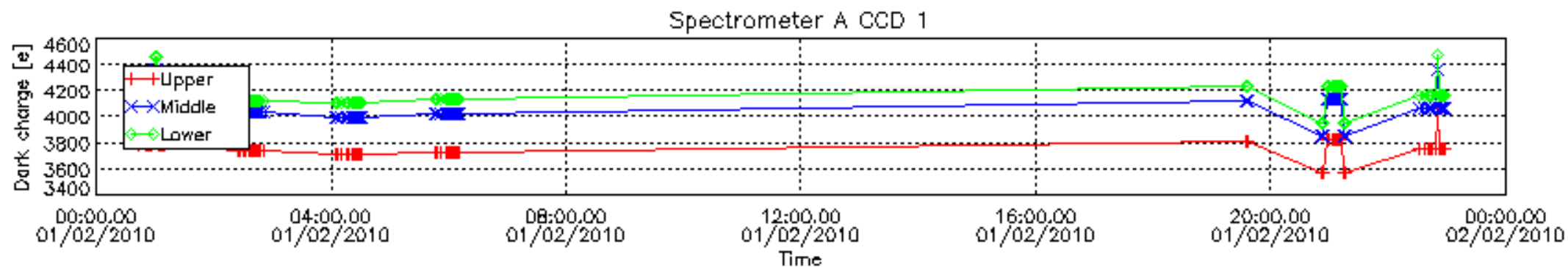
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

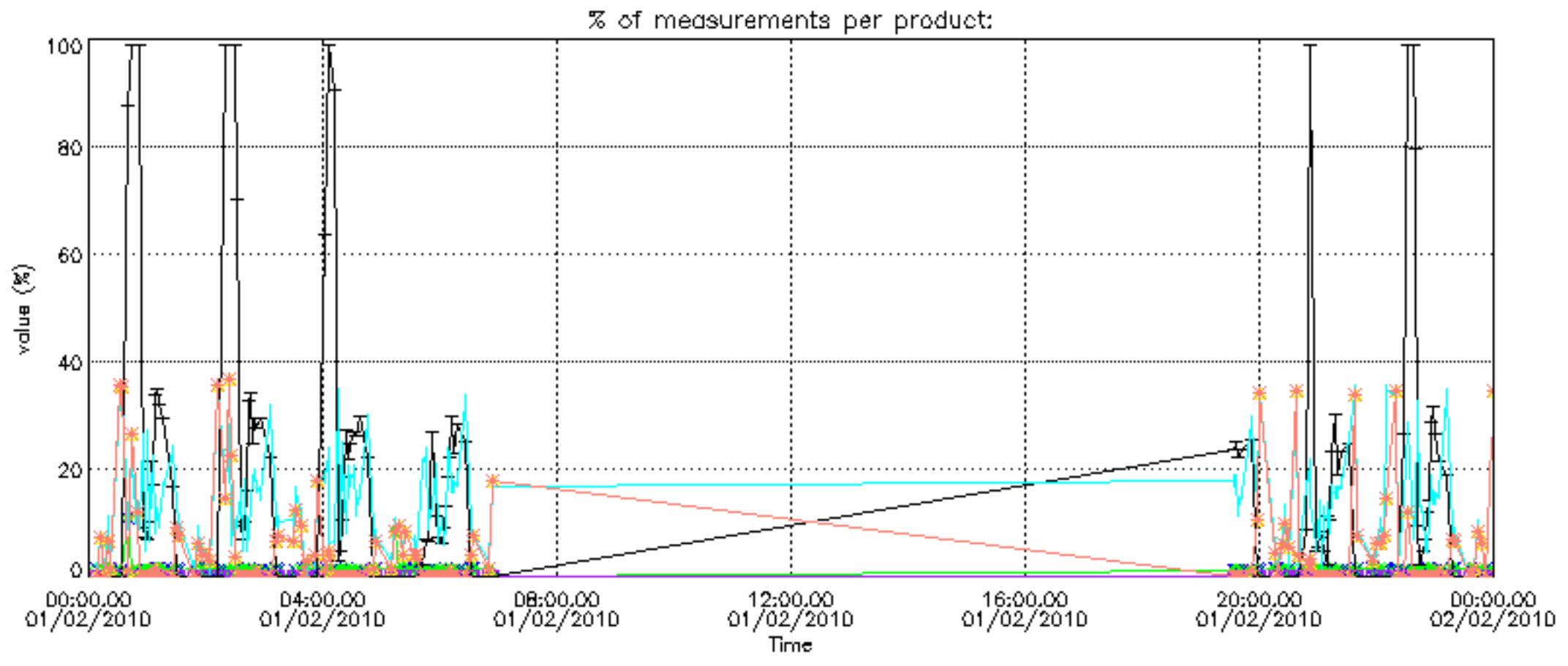
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100127_093029_20100125_000000_20500101_000000	1	01-FEB-2010 00:08:22
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	01-FEB-2010 00:08:22
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	01-FEB-2010 00:08:22
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	01-FEB-2010 00:08:22
ECMWF_FILE	AUX_ECF_AXNECM20100131_062115_20100131_210000_20100201_090000	1	01-FEB-2010 00:08:22
ECMWF_FILE	AUX_ECF_AXNECM20100131_180116_20100201_030000_20100201_150000	51	01-FEB-2010 03:32:39
ECMWF_FILE	AUX_ECA_AXNECM20100201_060114_20100131_210000_20100201_090000	75	01-FEB-2010 05:13:15
ECMWF_FILE	AUX_ECA_AXNECM20100201_180113_20100201_090000_20100201_210000	100	01-FEB-2010 19:32:12
ECMWF_FILE	AUX_ECF_AXNECM20100201_062114_20100201_150000_20100202_030000	115	01-FEB-2010 20:47:05
ECMWF_FILE	AUX_ECF_AXNECM20100201_062114_20100201_210000_20100202_090000	140	01-FEB-2010 22:27:42
OPTIONAL_ECMWF_FILE	MISSING	1	01-FEB-2010 00:08:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100131_225352_000060572086_00287_41423_9679.N1	1	01-FEB-2010 00:08:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100201_003449_000054192086_00288_41424_9680.N1	8	01-FEB-2010 00:39:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100201_021028_000044632086_00289_41425_9681.N1	31	01-FEB-2010 02:13:55
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100128_230116_20100128_194418_20100207_211030	51	01-FEB-2010 03:32:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100201_193150_000038252086_00300_41436_9684.N1	100	01-FEB-2010 19:32:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100201_204055_000060572086_00300_41436_9685.N1	115	01-FEB-2010 20:47:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100201_222151_000060572086_00301_41437_9686.N1	140	01-FEB-2010 22:27:42





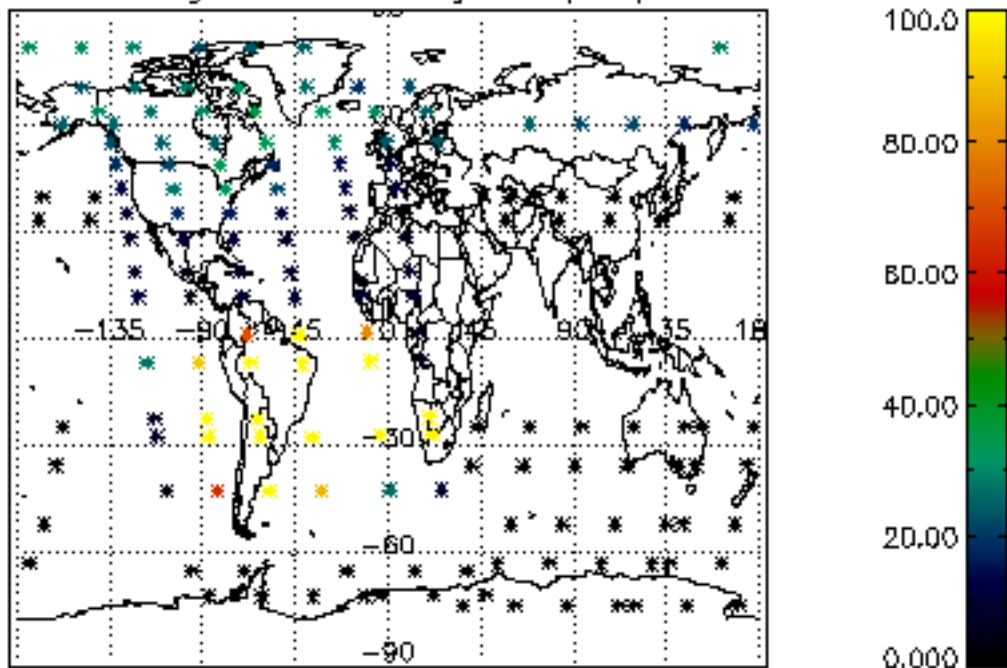




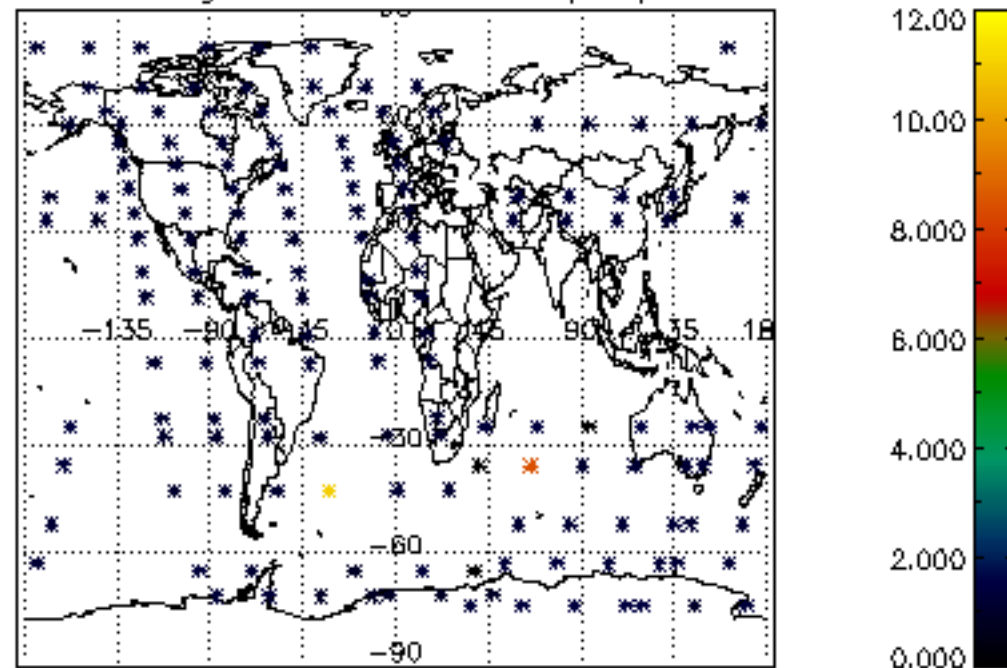




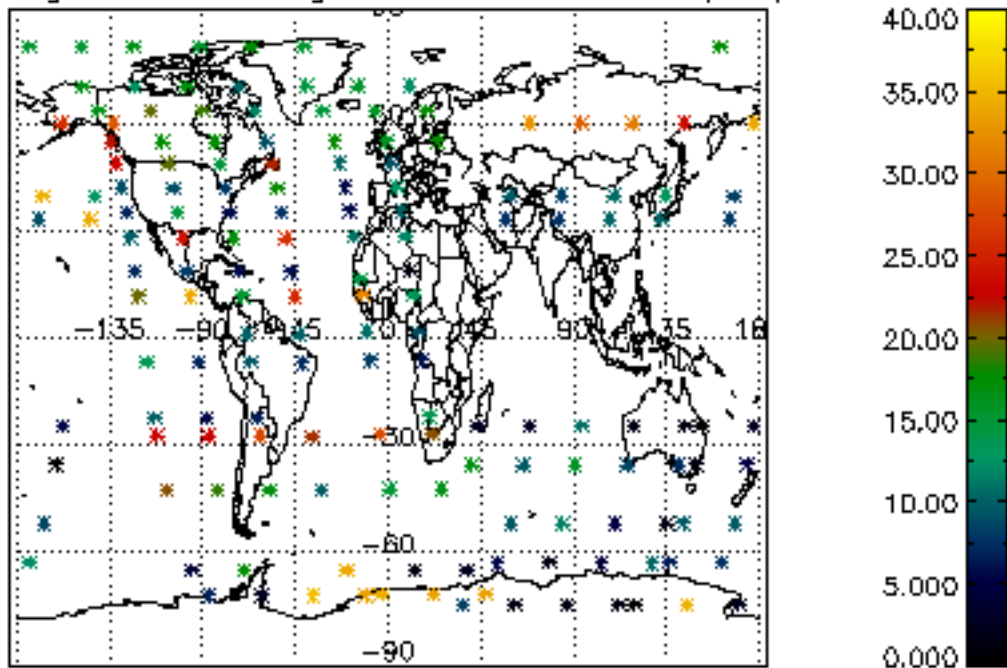
Percentage of cosmic ray hits per profile



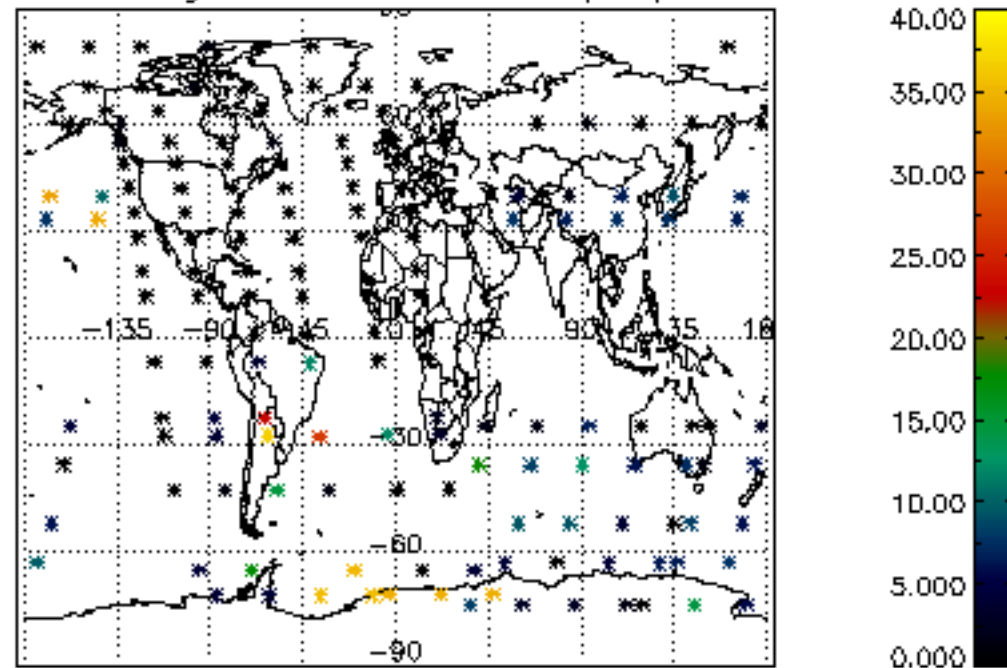
Percentage of datation errors per profile



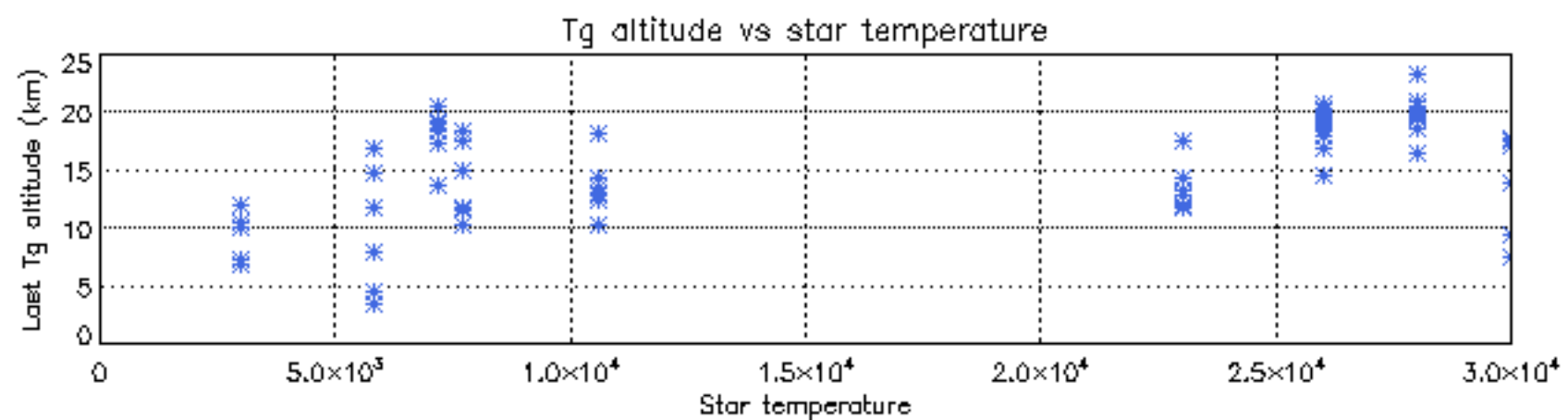
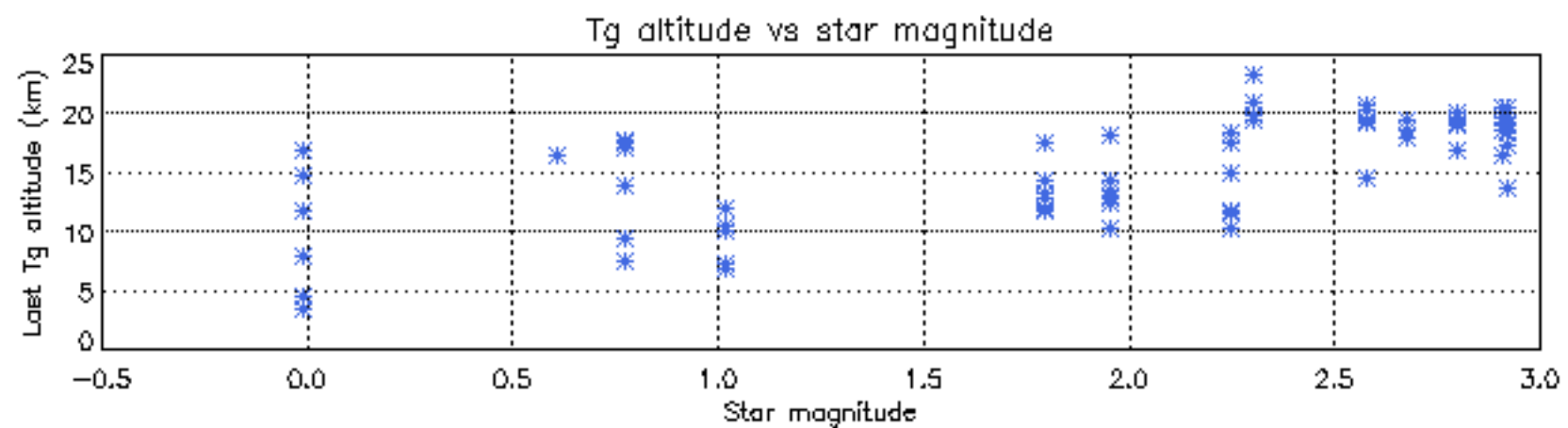
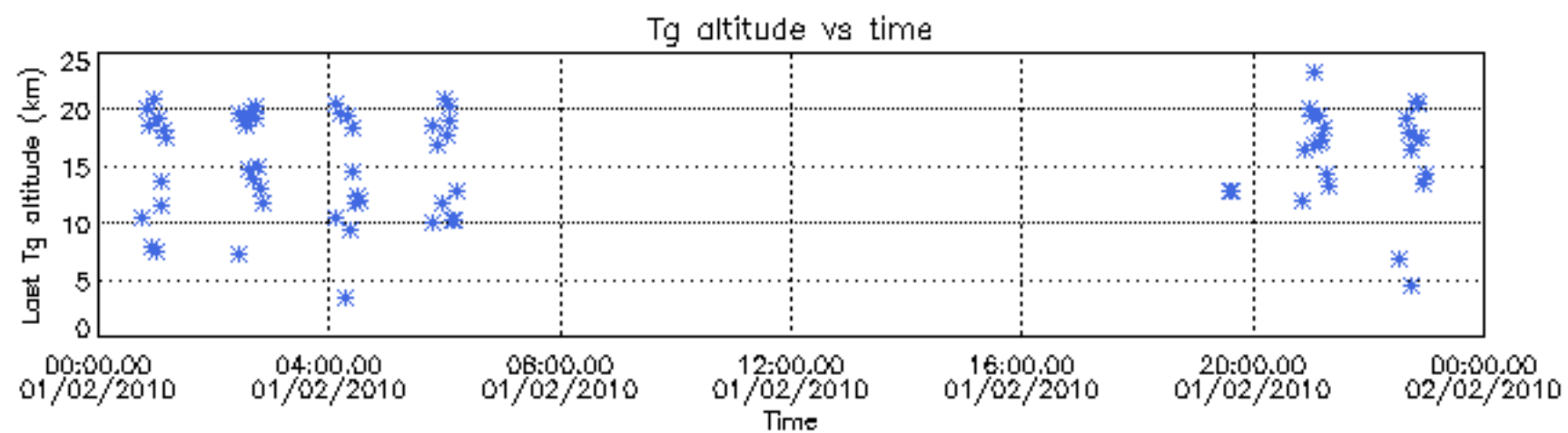
Percentage of star falling outside central band per profile



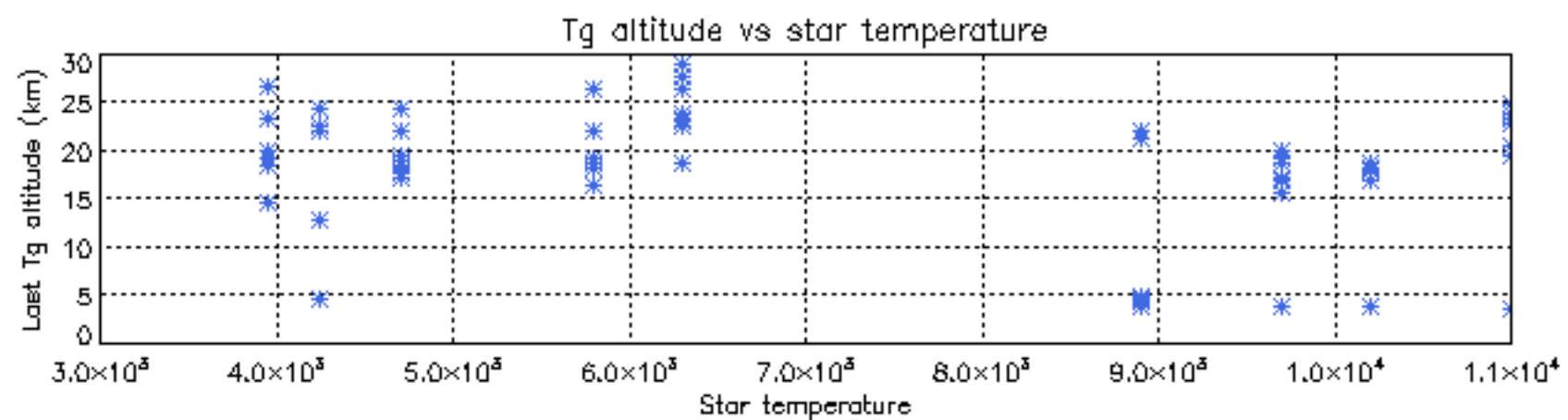
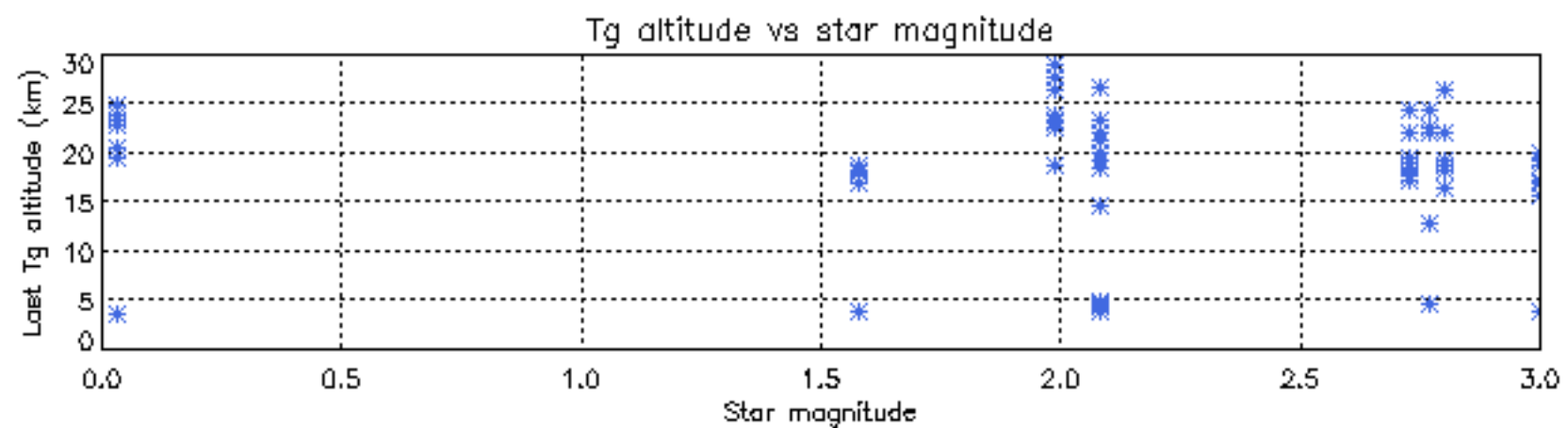
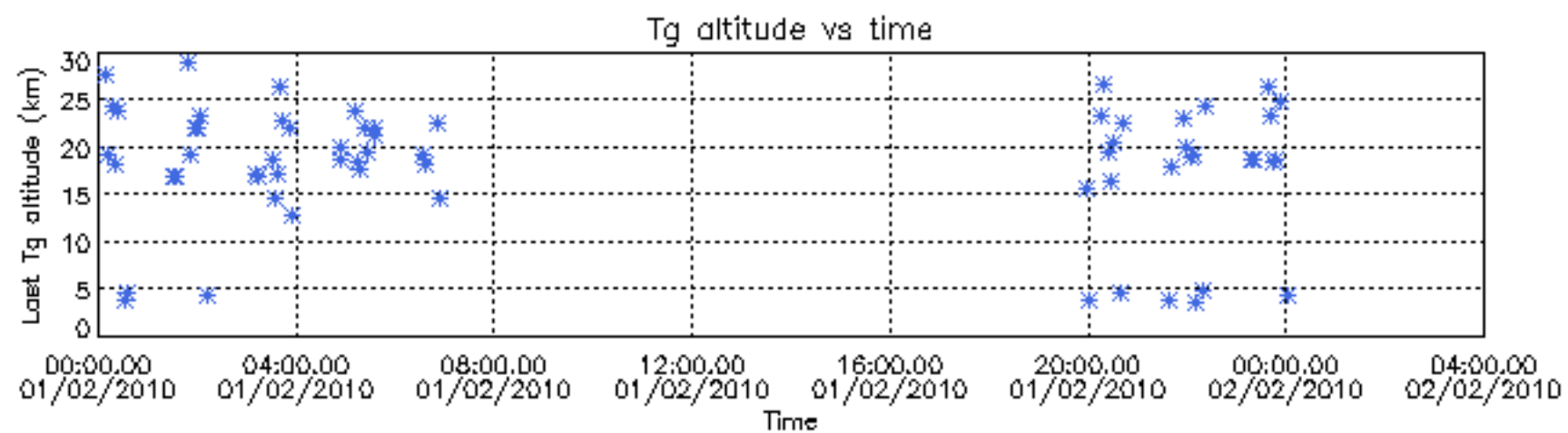
Percentage of saturation errors per profile



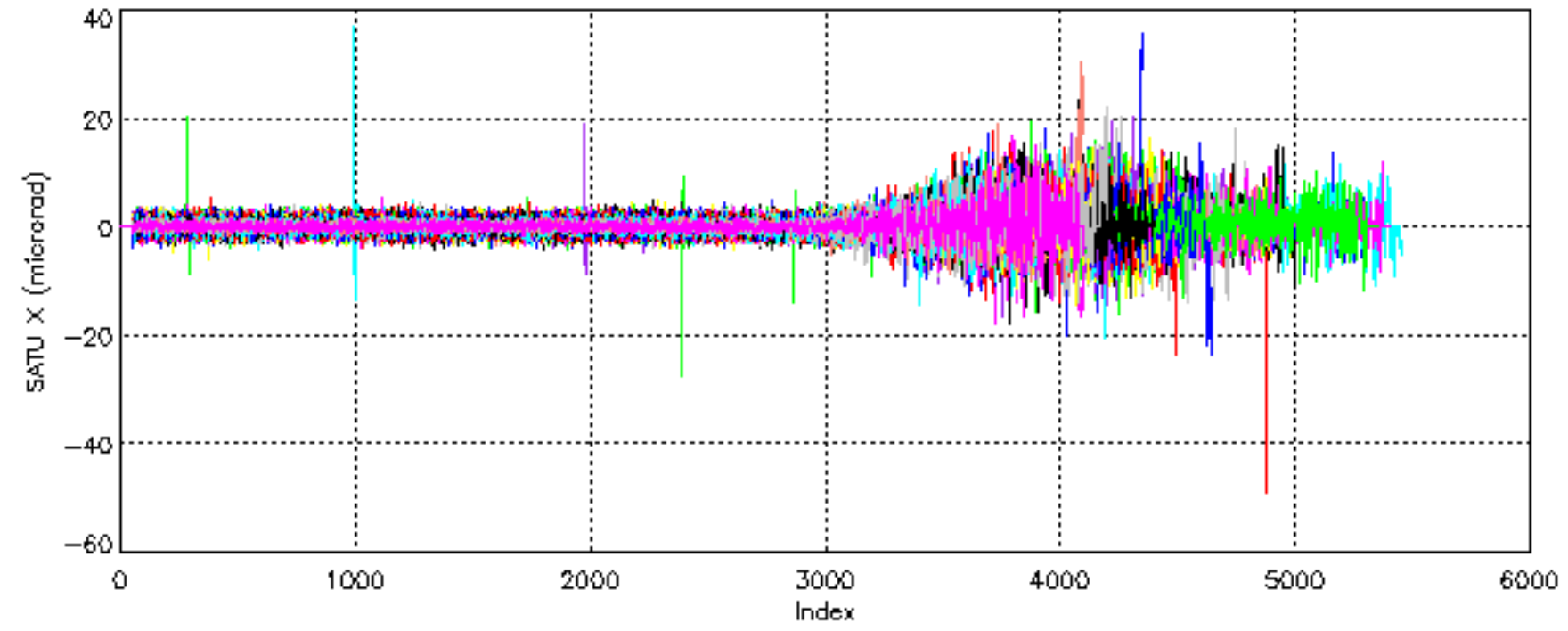
Tangent altitude at which the star is lost

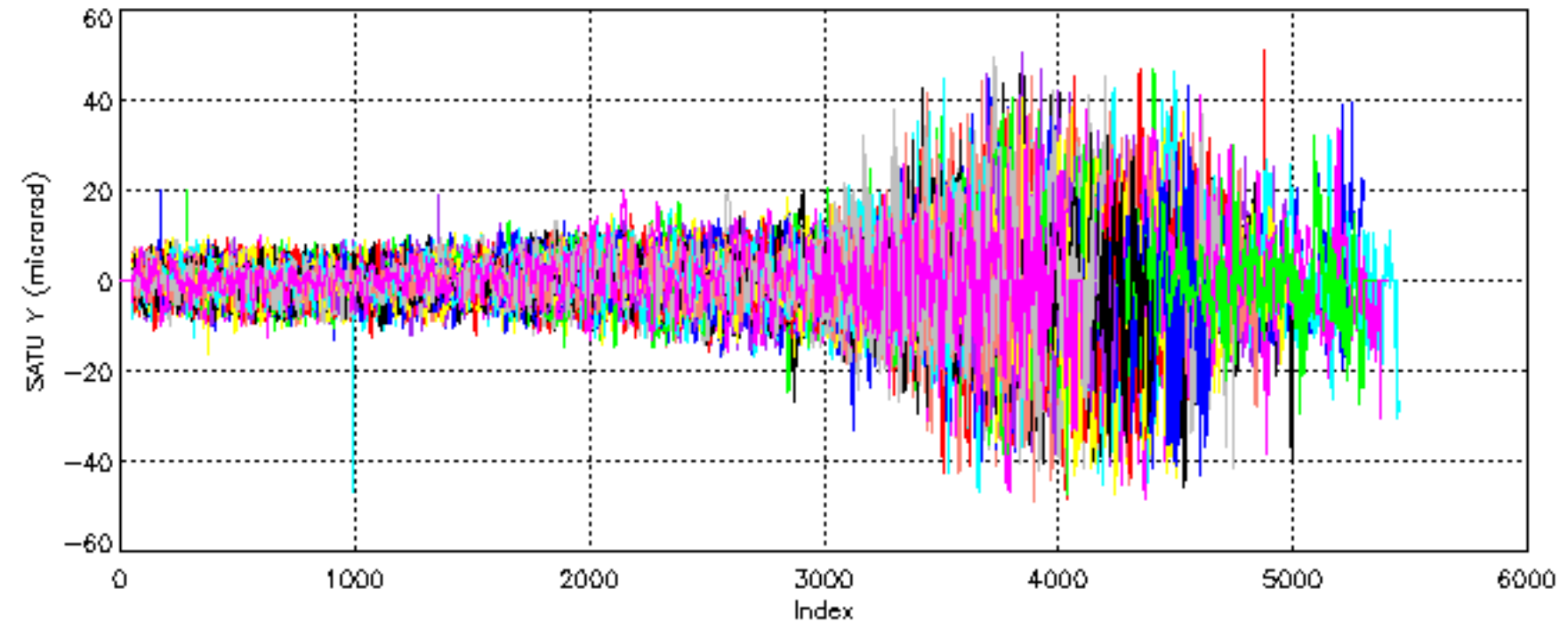


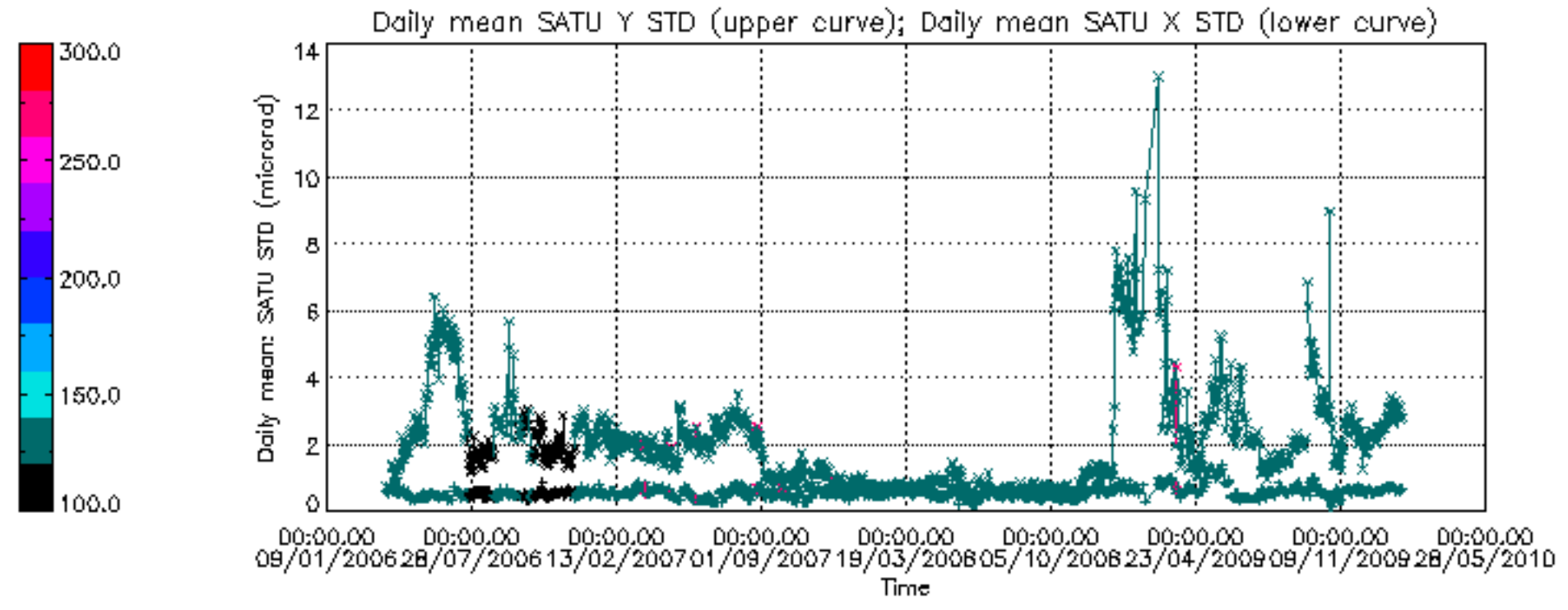
Tangent altitude at which the star is lost











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 9; 591.6; 01-FEB-2010 01:01:41; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41425  
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16; 6073.8; 02-FEB-2010 13:45:38; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41446
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18; 6242.8; 02-FEB-2010 13:48:27; Dark ; 40.0; 4; Alp1Cen ; -0.01; 5800;occ; 80; 0;41446
19; 6315.7; 02-FEB-2010 13:49:40; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41446
20; 6518.2; 02-FEB-2010 13:53:02; Dark ; 50.5; 12; Alp1Cru ; 0.77; 30000;occ; 101; 0;41446
21; 6644.7; 02-FEB-2010 13:55:09; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;41446
22; 6751.6; 02-FEB-2010 13:56:56; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41446
23; 6867.0; 02-FEB-2010 13:58:51; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;41446
24; 6970.9; 02-FEB-2010 14:00:35; Dark ; 36.5; 46; Del Vel ; 1.95; 10600;occ; 73; 0;41446
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 9; 4308.2; 02-FEB-2010 14:56:48; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41447

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 14; 5677.3; 02-FEB-2010 15:19:37; Dark ; 47.0; 158; 6Pi Sco ; 2.91; 28000;occ; 94; 0;41447  
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 22; 6867.2; 02-FEB-2010 15:39:27; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;41447  
 23; 6971.1; 02-FEB-2010 15:41:11; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;41447  
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 9; 4086.6; 02-FEB-2010 16:33:43; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41448  
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 13; 5326.7; 02-FEB-2010 16:54:23; Dark ; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;41448  
 14; 5589.6; 02-FEB-2010 16:58:46; Dark ; 49.0; 16; 21Alp Sco ; 1.02; 3000;occ; 98; 0;41448  
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 8; 3607.4; 02-FEB-2010 18:06:19; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41449  
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 19; 6244.6; 02-FEB-2010 18:50:17; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41449  
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 21; 6519.8; 02-FEB-2010 18:54:52; Dark ; 51.5; 12; Alp1Cru ; 0.77; 30000;occ; 103; 0;41449  
 22; 6646.8; 02-FEB-2010 18:56:59; Dark ; 46.0; 99; Del Cen ; 2.58; 26000;occ; 92; 0;41449  
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 23; 6868.1; 02-FEB-2010 20:41:16; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41450  
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 27; 6081.3; 03-FEB-2010 03:10:33; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41454  
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23; 7127.5; 03-FEB-2010 10:10:23; Dark ; 46.0; 65; Lam Vel ; 2.20; 4400;occ; 92; 0;41458  
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5; 3890.1; 03-FEB-2010 10:57:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41459  
6; 4086.4; 03-FEB-2010 11:00:18; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41459  
7; 4309.4; 03-FEB-2010 11:04:01; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41459  
8; 4808.0; 03-FEB-2010 11:12:19; Bright; 42.5; 59; 55Alp Oph ; 2.08; 8900;occ; 85; 0;41459  
9; 4936.8; 03-FEB-2010 11:14:28; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41459  
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12; 5688.4; 03-FEB-2010 11:27:00; Dark ; 46.0; 158; 6Pi Sco ; 2.91; 28000;occ; 92; 0;41459  
13; 5948.4; 03-FEB-2010 11:31:20; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41459  
14; 6085.9; 03-FEB-2010 11:33:37; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41459  
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19; 6755.4; 03-FEB-2010 11:44:47; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41459  
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4; 3428.0; 03-FEB-2010 12:29:55; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;41460  
5; 3604.8; 03-FEB-2010 12:32:52; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41460  
6; 3889.9; 03-FEB-2010 12:37:37; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;41460  
7; 4086.2; 03-FEB-2010 12:40:53; Bright; 34.5; 130; 23Bet Dra ; 2.80; 5800;occ; 69; 0;41460  
8; 4309.6; 03-FEB-2010 12:44:37; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41460  
9; 4808.2; 03-FEB-2010 12:52:55; Bright; 56.0; 59; 55Alp Oph ; 2.08; 8900;occ; 112; 0;41460  
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13; 5689.6; 03-FEB-2010 13:07:37; Dark ; 47.0; 158; 6Pi Sco ; 2.91; 28000;occ; 94; 0;41460  
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18; 6655.4; 03-FEB-2010 13:23:42; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41460  
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 4; 3604.4; 03-FEB-2010 14:13:27; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41461
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13; 6012.1; 03-FEB-2010 14:53:35; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;41461
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22; 7128.5; 03-FEB-2010 15:12:11; Dark ; 48.5; 65; Lam Vel ; 2.20; 4400;occ; 97; 0;41461
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 5; 3889.6; 03-FEB-2010 15:58:48; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;41462
 6; 4086.4; 03-FEB-2010 16:02:05; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;41462
 7; 4808.9; 03-FEB-2010 16:14:08; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;41462
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 5; 3428.5; 03-FEB-2010 17:31:43; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41463
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 9; 4310.0; 03-FEB-2010 17:46:25; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41463
10; 4809.3; 03-FEB-2010 17:54:44; Bright; 56.0; 59; 55Alp Oph ; 2.08; 8900;occ; 112; 0;41463
11; 4938.5; 03-FEB-2010 17:56:53; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41463
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 5; 3603.7; 03-FEB-2010 19:15:15; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;41464  
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 10; 4938.6; 03-FEB-2010 19:37:29; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41464  
 11; 5335.2; 03-FEB-2010 19:44:06; Dark ; 42.5; 86; 35Eta Oph ; 2.43; 10200;occ; 85; 0;41464  
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 17; 2388.3; 04-FEB-2010 01:37:23; Bright; 42.0; 17; 78Bet Gem ; 1.16; 4500;occ; 84; 0;41468  
 18; 3602.9; 04-FEB-2010 01:57:37; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41468  
 19; 3888.6; 04-FEB-2010 02:02:23; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41468  
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 21; 4810.7; 04-FEB-2010 02:17:45; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;41468  
 22; 4940.0; 04-FEB-2010 02:19:54; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;41468

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 9; 625.8; 04-FEB-2010 02:48:36; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41469  
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 11; 837.5; 04-FEB-2010 02:52:08; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;41469  
 12; 941.0; 04-FEB-2010 02:53:51; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41469  
 13; 1094.9; 04-FEB-2010 02:56:25; Dark ; 46.5; 65; Lam Vel ; 2.20; 4400;occ; 93; 0;41469  
 14; 1215.1; 04-FEB-2010 02:58:25; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41469



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18; 3428.4; 04-FEB-2010 03:35:19; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;41469
19; 3602.2; 04-FEB-2010 03:38:12; Bright; 19.5; 60; 7Bet UMi ; 2.08; 3950;occ; 39; 0;41469
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12; 838.0; 04-FEB-2010 04:32:44; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41470
13; 941.5; 04-FEB-2010 04:34:28; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41470
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 4; -1095.2; 04-FEB-2010 05:41:07; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41470
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12; 838.0; 04-FEB-2010 06:13:20; Dark ; 46.0; 71; Iot Car ; 2.25; 7700;occ; 92; 0;41471
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 3; 634.1; 04-FEB-2010 21:15:20; Dark ; 44.5; 99; Del Cen ; 2.58; 26000;occ; 89; 0;41480
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 5; 943.8; 04-FEB-2010 21:20:29; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41480
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 9; 3599.4; 04-FEB-2010 22:04:45; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41480
10; 3885.7; 04-FEB-2010 22:09:31; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;41480
11; 4085.3; 04-FEB-2010 22:12:51; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41480
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13; 4944.1; 04-FEB-2010 22:27:10; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41480
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 4; -69.3; 04-FEB-2010 22:44:12; Dark ; 43.5; 131; Gam Lup ; 2.80; 26000;occ; 87; 0;41480
 5; 146.9; 04-FEB-2010 22:47:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41481
 6; 300.3; 04-FEB-2010 22:50:22; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41481
 7; 634.9; 04-FEB-2010 22:55:56; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41481
 8; 943.9; 04-FEB-2010 23:01:05; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41481
 9; 1098.8; 04-FEB-2010 23:03:40; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;41481
10; 2387.1; 04-FEB-2010 23:25:09; Bright; 40.5; 17; 78Bet Gem ; 1.16; 4500;occ; 81; 0;41481

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 3; -1094.8; 04-FEB-2010 07:21:43; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41471
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 5; -428.7; 04-FEB-2010 07:32:49; Dark ; 48.5; 16; 21Alp Sco ; 1.02; 3000;occ; 97; 0;41471
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 7; 140.4; 04-FEB-2010 07:42:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41472
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 9; 723.6; 04-FEB-2010 07:52:02; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41472
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 3; 3428.4; 04-FEB-2010 08:37:07; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41472
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13; 6977.9; 04-FEB-2010 09:36:16; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41472
14; 7132.0; 04-FEB-2010 09:38:50; Dark ; 45.0; 65; Lam Vel ; 2.20; 4400;occ; 90; 0;41472
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3; 1224.5; 05-FEB-2010 19:12:57; Dark ; 35.0; 70; Zet Pup ; 2.25; 39000;occ; 70; 0;41493  
4; 2386.8; 05-FEB-2010 19:32:19; Bright; 40.0; 17; 78Bet Gem ; 1.16; 4500;occ; 80; 0;41493  
5; 3596.2; 05-FEB-2010 19:52:29; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;41493  
6; 3883.3; 05-FEB-2010 19:57:16; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;41493

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7; 4085.3; 05-FEB-2010 20:00:38; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41493
8; 4313.7; 05-FEB-2010 20:04:26; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41493
9; 4819.0; 05-FEB-2010 20:12:51; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;41493
10; 4949.1; 05-FEB-2010 20:15:02; Bright; 56.0; 126; 60Bet Oph ; 2.77; 4250;occ; 112; 0;41493
11; 5352.1; 05-FEB-2010 20:21:45; Dark ; 46.5; 86; 35Eta Oph ; 2.43; 10200;occ; 93; 0;41493
12; 5624.4; 05-FEB-2010 20:26:17; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;41493
13; 6192.3; 05-FEB-2010 20:35:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41493
14; 6344.1; 05-FEB-2010 20:38:17; Dark ; 49.5; 10; Bet Cen ; 0.61; 28000;occ; 99; 0;41493
15; 6516.5; 05-FEB-2010 20:41:09; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;41493
16; 6600.0; 05-FEB-2010 20:42:33; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41493
17; 6881.0; 05-FEB-2010 20:47:13; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;41493
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2; -306.6; 06-FEB-2010 01:29:49; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;41496
3; 158.6; 06-FEB-2010 01:37:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41497
4; 310.1; 06-FEB-2010 01:40:06; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;41497
5; 482.6; 06-FEB-2010 01:42:59; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0;41497
6; 566.5; 06-FEB-2010 01:44:22; Dark ; 48.5; 64; Gam Cen ; 2.20; 10600;occ; 97; 0;41497
7; 846.3; 06-FEB-2010 01:49:02; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41497
8; 948.6; 06-FEB-2010 01:50:45; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;41497
9; 1104.3; 06-FEB-2010 01:53:20; Dark ; 47.0; 65; Lam Vel ; 2.20; 4400;occ; 94; 0;41497
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11; 3595.2; 06-FEB-2010 02:34:51; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41497
12; 3882.4; 06-FEB-2010 02:39:38; Bright; 23.5; 119; 14Eta Dra ; 2.73; 4700;occ; 47; 0;41497
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3; -1215.4; 06-FEB-2010 02:55:17; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;41497
4; -1085.4; 06-FEB-2010 02:57:27; Bright; 41.0; 126; 60Bet Oph ; 2.77; 4250;occ; 82; 0;41497
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6; -305.9; 06-FEB-2010 03:10:26; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;41497
7; 159.3; 06-FEB-2010 03:18:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41498
8; 310.7; 06-FEB-2010 03:20:43; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;41498
9; 483.0; 06-FEB-2010 03:23:35; Dark ; 45.5; 20; Bet Cru ; 1.25; 30000;occ; 91; 0;41498
10; 567.2; 06-FEB-2010 03:24:59; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41498
11; 846.4; 06-FEB-2010 03:29:38; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;41498
12; 948.6; 06-FEB-2010 03:31:21; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;41498
13; 1104.8; 06-FEB-2010 03:33:57; Dark ; 46.0; 65; Lam Vel ; 2.20; 4400;occ; 92; 0;41498
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3; -1215.3; 06-FEB-2010 04:35:53; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;41498
4; -1085.2; 06-FEB-2010 04:38:03; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41498
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6; -538.5; 06-FEB-2010 04:47:09; Dark ; 43.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 86; 0;41498
7; -407.5; 06-FEB-2010 04:49:20; Dark ; 50.5; 16; 21Alp Sco ; 1.02; 3000;occ; 101; 0;41498
8; 160.0; 06-FEB-2010 04:58:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41499
9; 311.3; 06-FEB-2010 05:01:19; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41499
10; 483.9; 06-FEB-2010 05:04:12; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;41499
11; 568.0; 06-FEB-2010 05:05:36; Dark ; 50.5; 64; Gam Cen ; 2.20; 10600;occ; 101; 0;41499
12; 846.8; 06-FEB-2010 05:10:15; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;41499
13; 948.9; 06-FEB-2010 05:11:57; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;41499
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15; 2386.4; 06-FEB-2010 05:35:54; Bright; 40.5; 17; 78Bet Gem ; 1.16; 4500;occ; 81; 0;41499
16; 3429.1; 06-FEB-2010 05:53:17; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41499
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2; 1996.5; 06-FEB-2010 20:34:48; Dark ; 49.0; 8; 10Alp CMi ; 0.40; 6500;occ; 98; 0;41508
3; 4084.5; 06-FEB-2010 21:09:36; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41508
4; 4316.0; 06-FEB-2010 21:13:27; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41508
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2; 317.4; 06-FEB-2010 21:47:25; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41509
3; 489.7; 06-FEB-2010 21:50:17; Dark ; 5.0; 20; Bet Cru ; 1.25; 30000;occ; 10; 0;41509
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3;-1214.6; 06-FEB-2010 07:57:05; Bright; 58.0; 59; 55Alp Oph ; 2.08; 8900;occ; 116; 0;41500  
4;-1084.0; 06-FEB-2010 07:59:16; Bright; 54.5; 126; 60Bet Oph ; 2.77; 4250;occ; 109; 0;41500  
5; -679.5; 06-FEB-2010 08:06:00; Dark ; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;41500  
6; -537.5; 06-FEB-2010 08:08:22; Dark ; 43.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 87; 0;41500  
7; -405.7; 06-FEB-2010 08:10:34; Dark ; 52.5; 16; 21Alp Sco ; 1.02; 3000;occ; 105; 0;41500  
8; 312.6; 06-FEB-2010 08:22:32; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41501  
9; 485.0; 06-FEB-2010 08:25:25; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;41501  
10; 569.9; 06-FEB-2010 08:26:50; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41501  
11; 846.9; 06-FEB-2010 08:31:27; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41501  
12; 949.2; 06-FEB-2010 08:33:09; Dark ; 38.0; 46; Del Vel ; 1.95; 10600;occ; 76; 0;41501  
13; 1105.1; 06-FEB-2010 08:35:45; Dark ; 44.5; 65; Lam Vel ; 2.20; 4400;occ; 89; 0;41501  
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3; 3881.6; 06-FEB-2010 09:22:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41501  
4; 4084.9; 06-FEB-2010 09:25:25; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;41501  
5; 4821.8; 06-FEB-2010 09:37:42; Bright; 58.0; 59; 55Alp Oph ; 2.08; 8900;occ; 116; 0;41501  
6; 4951.9; 06-FEB-2010 09:39:52; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;41501  
7; 5356.9; 06-FEB-2010 09:46:37; Dark ; 49.0; 86; 35Eta Oph ; 2.43; 10200;occ; 98; 0;41501  
8; 5731.4; 06-FEB-2010 09:52:51; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;41501  
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11; 6606.6; 06-FEB-2010 10:07:26; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;41501  
12; 6883.2; 06-FEB-2010 10:12:03; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41501  
13; 6986.8; 06-FEB-2010 10:13:47; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41501  
14; 7141.4; 06-FEB-2010 10:16:21; Dark ; 48.5; 65; Lam Vel ; 2.20; 4400;occ; 97; 0;41501  
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2; 3428.9; 06-FEB-2010 10:55:05; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41502  
3; 3881.3; 06-FEB-2010 11:02:37; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;41502  
4; 4084.6; 06-FEB-2010 11:06:00; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41502  
5; 4822.1; 06-FEB-2010 11:18:18; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;41502



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7; 5357.3; 06-FEB-2010 11:27:13; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;41502
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9; 6198.8; 06-FEB-2010 11:41:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41502
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12; 6607.6; 06-FEB-2010 11:48:03; Dark ; 47.0; 64; Gam Cen ; 2.20; 10600;occ; 94; 0;41502
13; 6883.8; 06-FEB-2010 11:52:40; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41502
14; 6992.5; 06-FEB-2010 11:54:28; Dark ; 35.5; 46; Del Vel ; 1.95; 10600;occ; 71; 0;41502
15; 7141.8; 06-FEB-2010 11:56:57; Dark ; 44.5; 65; Lam Vel ; 2.20; 4400;occ; 89; 0;41502
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3; 2385.4; 12-FEB-2010 10:49:10; Bright; 39.5; 17; 78Bet Gem ; 1.16; 4500;occ; 79; 0;41588
4; 3430.0; 12-FEB-2010 11:06:35; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;41588
5; 3860.2; 12-FEB-2010 11:13:45; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;41588
6; 4078.7; 12-FEB-2010 11:17:23; Bright; 44.0; 130; 23Bet Dra ; 2.80; 5800;occ; 88; 0;41588
7; 4324.3; 12-FEB-2010 11:21:29; Bright; 39.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 78; 0;41588
8; 4734.6; 12-FEB-2010 11:28:19; Bright; 33.0; 168; 17Zet Aql ; 2.99; 11000;occ; 66; 0;41588
9; 4854.7; 12-FEB-2010 11:30:19; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;41588
10; 4988.6; 12-FEB-2010 11:32:33; Bright; 47.5; 126; 60Bet Oph ; 2.77; 4250;occ; 95; 0;41588
11; 5416.7; 12-FEB-2010 11:39:41; Dark ; 51.5; 86; 35Eta Oph ; 2.43; 10200;occ; 103; 0;41588
12; 5568.0; 12-FEB-2010 11:42:13; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;41588

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 14; 5767.1; 12-FEB-2010 11:45:32; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;41588  
 15; 5875.2; 12-FEB-2010 11:47:20; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;41588  
 16; 5963.6; 12-FEB-2010 11:48:48; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;41588  
 17; 6067.8; 12-FEB-2010 11:50:32; Dark ; 44.5; 131; Gam Lup ; 2.80; 26000;occ; 89; 0;41588  
 18; 6263.1; 12-FEB-2010 11:53:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41588  
 19; 6402.5; 12-FEB-2010 11:56:07; Dark ; 46.0; 10; Bet Cen ; 0.61; 28000;occ; 92; 0;41588  
 20; 6591.8; 12-FEB-2010 11:59:16; Dark ; 46.0; 12; Alp1Cru ; 0.77; 30000;occ; 92; 0;41588  
 21; 6679.0; 12-FEB-2010 12:00:44; Dark ; 57.5; 64; Gam Cen ; 2.20; 10600;occ; 115; 0;41588  
 22; 6967.9; 12-FEB-2010 12:05:33; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;41588  
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 5; 3430.1; 12-FEB-2010 12:47:11; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;41589  
 6; 3568.9; 12-FEB-2010 12:49:29; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;41589  
 7; 3860.0; 12-FEB-2010 12:54:21; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;41589  
 8; 4078.5; 12-FEB-2010 12:57:59; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41589  
 9; 4324.4; 12-FEB-2010 13:02:05; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;41589  
 10; 4734.8; 12-FEB-2010 13:08:55; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41589  
 11; 4854.9; 12-FEB-2010 13:10:55; Bright; 62.0; 59; 55Alp Oph ; 2.08; 8900;occ; 124; 0;41589  
 12; 4989.6; 12-FEB-2010 13:13:10; Bright; 48.0; 126; 60Bet Oph ; 2.77; 4250;occ; 96; 0;41589  
 13; 5417.5; 12-FEB-2010 13:20:18; Dark ; 50.5; 86; 35Eta Oph ; 2.43; 10200;occ; 101; 0;41589  
 14; 5568.5; 12-FEB-2010 13:22:49; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;41589  
 15; 5688.6; 12-FEB-2010 13:24:49; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41589  
 16; 5767.7; 12-FEB-2010 13:26:08; Dark ; 43.0; 40; The Sco ; 1.86; 7100;occ; 86; 0;41589  
 17; 5875.2; 12-FEB-2010 13:27:56; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;41589  
 18; 5963.8; 12-FEB-2010 13:29:24; Dark ; 37.5; 141; Bet Ara ; 2.84; 4600;occ; 75; 0;41589  
 19; 6068.8; 12-FEB-2010 13:31:09; Dark ; 47.5; 131; Gam Lup ; 2.80; 26000;occ; 95; 0;41589  
 20; 6263.9; 12-FEB-2010 13:34:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41589  
 21; 6402.9; 12-FEB-2010 13:36:43; Dark ; 50.5; 10; Bet Cen ; 0.61; 28000;occ; 101; 0;41589  
 22; 6592.5; 12-FEB-2010 13:39:53; Dark ; 53.0; 12; Alp1Cru ; 0.77; 30000;occ; 106; 0;41589  
 23; 6679.8; 12-FEB-2010 13:41:20; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41589  
 24; 6968.1; 12-FEB-2010 13:46:09; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;41589  
 25; 7167.2; 12-FEB-2010 13:49:28; Dark ; 44.0; 65; Lam Vel ; 2.20; 4400;occ; 88; 0;41589  
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 3; 2005.3; 12-FEB-2010 14:04:02; Dark ; 52.0; 8; 10Alp CMi ; 0.40; 6500;occ; 104; 0;41590  
 4; 2385.4; 12-FEB-2010 14:10:22; Bright; 39.0; 17; 78Bet Gem ; 1.16; 4500;occ; 78; 0;41590  
 5; 3430.3; 12-FEB-2010 14:27:47; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;41590  
 6; 3568.6; 12-FEB-2010 14:30:05; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;41590  
 7; 3859.8; 12-FEB-2010 14:34:56; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41590  
 8; 4078.4; 12-FEB-2010 14:38:35; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41590  
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 10; 4734.8; 12-FEB-2010 14:49:31; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41590  
 11; 4855.7; 12-FEB-2010 14:51:32; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;41590  
 12; 4989.7; 12-FEB-2010 14:53:46; Bright; 46.0; 126; 60Bet Oph ; 2.77; 4250;occ; 92; 0;41590  
 13; 5418.5; 12-FEB-2010 15:00:55; Dark ; 50.5; 86; 35Eta Oph ; 2.43; 10200;occ; 101; 0;41590  
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 15; 5689.2; 12-FEB-2010 15:05:26; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41590  
 16; 5876.1; 12-FEB-2010 15:08:32; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;41590  
 17; 5964.5; 12-FEB-2010 15:10:01; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;41590  
 18; 6069.7; 12-FEB-2010 15:11:46; Dark ; 46.5; 131; Gam Lup ; 2.80; 26000;occ; 93; 0;41590  
 19; 6264.8; 12-FEB-2010 15:15:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41590  
 20; 6403.8; 12-FEB-2010 15:17:20; Dark ; 45.5; 10; Bet Cen ; 0.61; 28000;occ; 91; 0;41590  
 21; 6593.0; 12-FEB-2010 15:20:29; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;41590  
 22; 6680.8; 12-FEB-2010 15:21:57; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41590  
 23; 6968.3; 12-FEB-2010 15:26:45; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;41590  
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 3; 2005.3; 12-FEB-2010 15:44:38; Dark ; 52.0; 8; 10Alp CMi ; 0.40; 6500;occ; 104; 0;41591

4; 2385.4; 12-FEB-2010 15:50:58; Bright; 38.5; 17; 78Bet Gem ; 1.16; 4500;occ; 77; 0;41591  
5; 3568.2; 12-FEB-2010 16:10:41; Bright; 45.0; 60; 7Bet UMi ; 2.08; 3950;occ; 90; 0;41591  
6; 3859.5; 12-FEB-2010 16:15:32; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;41591  
7; 4078.6; 12-FEB-2010 16:19:11; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41591  
8; 4325.1; 12-FEB-2010 16:23:17; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;41591  
9; 4735.1; 12-FEB-2010 16:30:07; Bright; 34.5; 168; 17Zet Aql ; 2.99; 11000;occ; 69; 0;41591  
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11; 4990.4; 12-FEB-2010 16:34:23; Bright; 48.0; 126; 60Bet Oph ; 2.77; 4250;occ; 96; 0;41591  
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13; 5569.3; 12-FEB-2010 16:44:02; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;41591  
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21; 6968.9; 12-FEB-2010 17:07:21; Dark ; 40.0; 91; Kap Vel ; 2.49; 26000;occ; 80; 0;41591  
22; 7167.7; 12-FEB-2010 17:10:40; Dark ; 48.5; 65; Lam Vel ; 2.20; 4400;occ; 97; 0;41591

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3; 2385.7; 12-FEB-2010 17:31:34; Bright; 39.0; 17; 78Bet Gem ; 1.16; 4500;occ; 78; 0;41592  
4; 3430.1; 12-FEB-2010 17:48:58; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41592  
5; 3568.0; 12-FEB-2010 17:51:16; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41592  
6; 3859.1; 12-FEB-2010 17:56:07; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;41592  
7; 4078.2; 12-FEB-2010 17:59:46; Bright; 58.0; 130; 23Bet Dra ; 2.80; 5800;occ; 116; 0;41592  
8; 4324.8; 12-FEB-2010 18:03:53; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41592  
9; 5420.0; 12-FEB-2010 18:22:08; Dark ; 52.0; 86; 35Eta Oph ; 2.43; 10200;occ; 104; 0;41592  
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7; 4078.0; 12-FEB-2010 19:40:22; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41593  
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9; 4735.6; 12-FEB-2010 19:51:20; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41593  
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11; 5569.7; 12-FEB-2010 20:05:14; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;41593  
12; 5690.6; 12-FEB-2010 20:07:15; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;41593  
13; 5769.4; 12-FEB-2010 20:08:34; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;41593  
14; 5877.2; 12-FEB-2010 20:10:21; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;41593  
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16; 6072.9; 12-FEB-2010 20:13:37; Dark ; 45.5; 131; Gam Lup ; 2.80; 26000;occ; 91; 0;41593  
17; 6267.1; 12-FEB-2010 20:16:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41593  
18; 6405.5; 12-FEB-2010 20:19:10; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;41593  
19; 6594.3; 12-FEB-2010 20:22:19; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41593  
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3; -69.5; 13-FEB-2010 01:13:38; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;41596  
4; 39.8; 13-FEB-2010 01:15:28; Dark ; 48.5; 131; Gam Lup ; 2.80; 26000;occ; 97; 0;41597  
5; 233.4; 13-FEB-2010 01:18:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41597

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7; 560.0; 13-FEB-2010 01:24:08; Dark ; 53.0; 12; Alp1Cru ; 0.77; 30000;occ; 106; 0;41597
8; 649.3; 13-FEB-2010 01:25:37; Dark ; 51.5; 64; Gam Cen ; 2.20; 10600;occ; 103; 0;41597
9; 934.2; 13-FEB-2010 01:30:22; Dark ; 37.0; 91; Kap Vel ; 2.49; 26000;occ; 74; 0;41597
10; 1132.8; 13-FEB-2010 01:33:41; Dark ; 53.0; 65; Lam Vel ; 2.20; 4400;occ; 106; 0;41597
11; 1739.1; 13-FEB-2010 01:43:47; Dark ; 52.5; 48; 30Alp Hya ; 1.98; 4100;occ; 105; 0;41597
12; 2385.7; 13-FEB-2010 01:54:33; Bright; 40.5; 17; 78Bet Gem ; 1.16; 4500;occ; 81; 0;41597
13; 3430.0; 13-FEB-2010 02:11:58; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;41597
14; 3566.6; 13-FEB-2010 02:14:14; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;41597
15; 3857.7; 13-FEB-2010 02:19:06; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;41597
16; 4077.7; 13-FEB-2010 02:22:46; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41597
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12; 6500.1; 14-FEB-2010 14:15:42; Dark ; 46.5; 77; Eps Cen ; 2.30; 28000;occ; 93; 0;41618
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7; 397.4; 15-FEB-2010 23:46:34; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;41639
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14; 4073.2; 16-FEB-2010 00:47:50; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41639
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13; 257.8; 15-FEB-2010 06:58:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41629
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4; 4074.5; 15-FEB-2010 08:01:52; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41629
5; 4192.3; 15-FEB-2010 08:03:50; Bright; 33.5; 144; 18Del Cyg ; 2.86; 11000;occ; 67; 0;41629
6; 4328.2; 15-FEB-2010 08:06:05; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41629

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11; 5710.7; 15-FEB-2010 08:29:08; Dark ; 41.5; 25; 35Lam Sco ; 1.62; 28000;occ; 83; 0;41629  
12; 5787.3; 15-FEB-2010 08:30:25; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;41629  
13; 5892.9; 15-FEB-2010 08:32:10; Dark ; 40.0; 147; Alp Ara ; 2.88; 26000;occ; 80; 0;41629  
14; 6109.6; 15-FEB-2010 08:35:47; Dark ; 45.0; 131; Gam Lup ; 2.80; 26000;occ; 90; 0;41629  
15; 6214.9; 15-FEB-2010 08:37:32; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;41629  
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21; 6978.7; 15-FEB-2010 08:50:16; Dark ; 40.0; 91; Kap Vel ; 2.49; 26000;occ; 80; 0;41629  
22; 7177.7; 15-FEB-2010 08:53:35; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;41629  
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4; 4074.1; 15-FEB-2010 09:42:27; Bright; 48.5; 130; 23Bet Dra ; 2.80; 5800;occ; 97; 0;41630  
5; 4192.5; 15-FEB-2010 09:44:26; Bright; 52.0; 144; 18Del Cyg ; 2.86; 11000;occ; 104; 0;41630  
6; 4328.4; 15-FEB-2010 09:46:42; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41630  
7; 4743.8; 15-FEB-2010 09:53:37; Bright; 35.0; 168; 17Zet Aql ; 2.99; 11000;occ; 70; 0;41630  
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12; 5787.7; 15-FEB-2010 10:11:01; Dark ; 43.0; 40; The Sco ; 1.86; 7100;occ; 86; 0;41630  
13; 5893.5; 15-FEB-2010 10:12:47; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;41630  
14; 5980.1; 15-FEB-2010 10:14:13; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;41630  
15; 6110.6; 15-FEB-2010 10:16:24; Dark ; 45.0; 131; Gam Lup ; 2.80; 26000;occ; 90; 0;41630  
16; 6215.0; 15-FEB-2010 10:18:08; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;41630  
17; 6295.2; 15-FEB-2010 10:19:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41630  
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19; 6509.4; 15-FEB-2010 10:23:03; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41630  
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21; 6711.9; 15-FEB-2010 10:26:25; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41630  
22; 6978.9; 15-FEB-2010 10:30:52; Dark ; 36.5; 91; Kap Vel ; 2.49; 26000;occ; 73; 0;41630  
23; 7177.6; 15-FEB-2010 10:34:11; Dark ; 43.0; 65; Lam Vel ; 2.20; 4400;occ; 86; 0;41630  
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4; 4074.1; 15-FEB-2010 11:23:03; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41631  
5; 4192.4; 15-FEB-2010 11:25:01; Bright; 34.0; 144; 18Del Cyg ; 2.86; 11000;occ; 68; 0;41631  
6; 4328.6; 15-FEB-2010 11:27:18; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41631  
7; 4743.6; 15-FEB-2010 11:34:13; Bright; 33.5; 168; 17Zet Aql ; 2.99; 11000;occ; 67; 0;41631  
8; 5010.2; 15-FEB-2010 11:38:39; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41631  
9; 5451.7; 15-FEB-2010 11:46:01; Dark ; 52.0; 86; 35Eta Oph ; 2.43; 10200;occ; 104; 0;41631  
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13; 5893.8; 15-FEB-2010 11:53:23; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;41631  
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16; 6215.4; 15-FEB-2010 11:58:44; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;41631  
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19; 6510.3; 15-FEB-2010 12:03:39; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41631  
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22; 6979.2; 15-FEB-2010 12:11:28; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;41631  
23; 7178.1; 15-FEB-2010 12:14:47; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;41631

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6; 4328.7; 15-FEB-2010 13:07:54; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41632  
7; 4744.1; 15-FEB-2010 13:14:49; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41632  
8; 5010.9; 15-FEB-2010 13:19:16; Dark ; 51.0; 126; 60Bet Oph ; 2.77; 4250;occ; 102; 0;41632  
9; 5452.6; 15-FEB-2010 13:26:37; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41632  
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7; 4744.9; 15-FEB-2010 18:16:38; Bright; 52.0; 168; 17Zet Aql ; 2.99; 11000;occ; 104; 0;41635
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6; 587.3; 16-FEB-2010 21:37:31; Dark ; 48.0; 12; Alp1Cru ; 0.77; 30000;occ; 96; 0;41652
7; 691.9; 16-FEB-2010 21:39:15; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41652
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4; 485.8; 16-FEB-2010 11:32:14; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41646
5; 585.2; 16-FEB-2010 11:33:53; Dark ; 51.5; 12; Alp1Cru ; 0.77; 30000;occ; 103; 0;41646
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3; 4072.5; 16-FEB-2010 14:12:36; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41647
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7; 6095.9; 16-FEB-2010 14:46:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41647
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6; 5443.1; 16-FEB-2010 16:16:03; Dark ; 41.0; 137; 22Lam Sgr ; 2.82; 4400;occ; 82; 0;41648
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6; 5590.1; 16-FEB-2010 17:59:06; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;41649
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5; 492.3; 17-FEB-2010 02:37:43; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41655
6; 588.9; 17-FEB-2010 02:39:20; Dark ; 49.5; 12; Alp1Cru ; 0.77; 30000;occ; 99; 0;41655
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3; 4069.7; 17-FEB-2010 22:03:56; Bright; 44.0; 130; 23Bet Dra ; 2.80; 5800;occ; 88; 0;41666
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3; 69.2; 17-FEB-2010 22:37:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41667
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5; 414.8; 17-FEB-2010 22:43:37; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;41667
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9; 6445.7; 17-FEB-2010 09:18:44; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41658
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12; 6733.2; 17-FEB-2010 09:23:32; Dark ; 48.5; 64; Gam Cen ; 2.20; 10600;occ; 97; 0;41658
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3; 4070.6; 17-FEB-2010 10:19:45; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41659
4; 4331.1; 17-FEB-2010 10:24:06; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41659
5; 5026.0; 17-FEB-2010 10:35:41; Dark ; 50.0; 126; 60Bet Oph ; 2.77; 4250;occ; 100; 0;41659
6; 5728.4; 17-FEB-2010 10:47:23; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41659
7; 6101.9; 17-FEB-2010 10:53:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41659
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9; 6446.2; 17-FEB-2010 10:59:21; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41659
10; 6531.7; 17-FEB-2010 11:00:46; Dark ; 46.0; 77; Eps Cen ; 2.30; 28000;occ; 92; 0;41659
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3; 4070.6; 17-FEB-2010 12:00:21; Bright; 42.5; 130; 23Bet Dra ; 2.80; 5800;occ; 85; 0;41660
4; 4331.2; 17-FEB-2010 12:04:42; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41660
5; 5026.5; 17-FEB-2010 12:16:17; Dark ; 55.5; 126; 60Bet Oph ; 2.77; 4250;occ; 111; 0;41660
6; 5729.1; 17-FEB-2010 12:28:00; Dark ; 43.0; 25; 35Lam Sco ; 1.62; 28000;occ; 86; 0;41660
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8; 6102.4; 17-FEB-2010 12:34:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41660
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3; 4070.4; 17-FEB-2010 13:40:57; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41661
4; 4331.0; 17-FEB-2010 13:45:18; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;41661
5; 5026.7; 17-FEB-2010 13:56:53; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41661
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7; 595.4; 18-FEB-2010 02:07:50; Dark ; 49.5; 12; Alp1Cru ; 0.77; 30000;occ; 99; 0;41669
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9; 938.8; 18-FEB-2010 02:13:33; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41669
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5; 71.2; 18-FEB-2010 05:20:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41671
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4; 4067.6; 18-FEB-2010 21:32:17; Bright; 60.5; 130; 23Bet Dra ; 2.80; 5800;occ; 121; 0;41680
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7; 601.1; 18-FEB-2010 22:15:06; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41681
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6; 5821.9; 18-FEB-2010 13:38:32; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;41675
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5; 79.4; 19-FEB-2010 06:29:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41686
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13; 6754.8; 19-FEB-2010 10:01:16; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41687
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2; 3538.6; 19-FEB-2010 10:48:16; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41688
3; 4066.4; 19-FEB-2010 10:57:03; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41688
4; 4333.4; 19-FEB-2010 11:01:30; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41688
5; 4757.1; 19-FEB-2010 11:08:34; Bright; 53.0; 168; 17Zet Aql ; 2.99; 11000;occ; 106; 0;41688
6; 5746.8; 19-FEB-2010 11:25:04; Dark ; 41.0; 25; 35Lam Sco ; 1.62; 28000;occ; 82; 0;41688
7; 5833.5; 19-FEB-2010 11:26:30; Dark ; 56.0; 75; 26Eps Sco ; 2.29; 4250;occ; 112; 0;41688
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9; 6384.6; 19-FEB-2010 11:35:42; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41688
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11; 6554.2; 19-FEB-2010 11:38:31; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41688
12; 6640.9; 19-FEB-2010 11:39:58; Dark ; 38.0; 12; Alp1Cru ; 0.77; 30000;occ; 76; 0;41688
13; 6755.6; 19-FEB-2010 11:41:53; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41688
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3; 4066.3; 19-FEB-2010 12:37:39; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41689
4; 4333.4; 19-FEB-2010 12:42:06; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;41689
5; 4757.7; 19-FEB-2010 12:49:10; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41689
6; 5747.5; 19-FEB-2010 13:05:40; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;41689
7; 5834.7; 19-FEB-2010 13:07:07; Dark ; 55.5; 75; 26Eps Sco ; 2.29; 4250;occ; 111; 0;41689
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9; 6385.2; 19-FEB-2010 13:16:18; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41689
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11; 6554.6; 19-FEB-2010 13:19:07; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;41689
12; 6756.3; 19-FEB-2010 13:22:29; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41689
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 4; 4333.7; 19-FEB-2010 14:22:42; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41690  
 5; 4757.9; 19-FEB-2010 14:29:47; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41690  
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 9; 6386.1; 19-FEB-2010 14:56:55; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41690  
 10; 6465.5; 19-FEB-2010 14:58:14; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41690  
 11; 6555.6; 19-FEB-2010 14:59:44; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41690  
 12; 6757.0; 19-FEB-2010 15:03:06; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41690  
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 4; 4333.7; 19-FEB-2010 16:03:18; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;41691  
 5; 4758.3; 19-FEB-2010 16:10:23; Bright; 52.5; 168; 17Zet Aql ; 2.99; 11000;occ; 105; 0;41691  
 6; 5749.0; 19-FEB-2010 16:26:54; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41691  
 7; 5836.4; 19-FEB-2010 16:28:21; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;41691  
 8; 6118.5; 19-FEB-2010 16:33:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41691  
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 10; 6386.4; 19-FEB-2010 16:37:31; Dark ; 45.0; 4; Alp1Cen ;-0.01; 5800;occ; 90; 0;41691  
 11; 6466.3; 19-FEB-2010 16:38:51; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41691  
 12; 6642.3; 19-FEB-2010 16:41:47; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;41691  
 13; 6757.9; 19-FEB-2010 16:43:42; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41691  
 14; 6984.8; 19-FEB-2010 16:47:29; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41691  
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 3; 3431.7; 19-FEB-2010 17:28:52; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41692  
 4; 3537.4; 19-FEB-2010 17:30:38; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41692  
 5; 4065.9; 19-FEB-2010 17:39:26; Bright; 46.0; 130; 23Bet Dra ; 2.80; 5800;occ; 92; 0;41692  
 6; 4199.9; 19-FEB-2010 17:41:41; Bright; 36.0; 144; 18Del Cyg ; 2.86; 11000;occ; 72; 0;41692  
 7; 4333.7; 19-FEB-2010 17:43:54; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41692  
 8; 4758.5; 19-FEB-2010 17:50:59; Bright; 54.0; 168; 17Zet Aql ; 2.99; 11000;occ; 108; 0;41692  
 9; 5334.4; 19-FEB-2010 18:00:35; Dark ; 42.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 84; 0;41692  
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 11; 5749.8; 19-FEB-2010 18:07:30; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;41692  
 12; 5837.4; 19-FEB-2010 18:08:58; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;41692  
 13; 6007.2; 19-FEB-2010 18:11:48; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;41692  
 14; 6119.0; 19-FEB-2010 18:13:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41692  
 15; 6387.1; 19-FEB-2010 18:18:08; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;41692  
 16; 6466.8; 19-FEB-2010 18:19:27; Dark ; 47.5; 10; Bet Cen ; 0.61; 28000;occ; 95; 0;41692  
 17; 6643.0; 19-FEB-2010 18:22:24; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;41692  
 18; 6758.6; 19-FEB-2010 18:24:19; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41692  
 19; 6985.3; 19-FEB-2010 18:28:06; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;41692

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 5; 4065.6; 19-FEB-2010 19:20:02; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41693  
 6; 4333.6; 19-FEB-2010 19:24:30; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;41693  
 7; 4758.7; 19-FEB-2010 19:31:35; Bright; 54.0; 168; 17Zet Aql ; 2.99; 11000;occ; 108; 0;41693  
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 9; 5436.4; 19-FEB-2010 19:42:53; Dark ; 40.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 80; 0;41693  
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 12; 6007.5; 19-FEB-2010 19:52:24; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;41693  
 13; 6119.5; 19-FEB-2010 19:54:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41693  
 14; 6387.8; 19-FEB-2010 19:58:44; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;41693  
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 16; 6643.2; 19-FEB-2010 20:03:00; Dark ; 54.0; 12; Alp1Cru ; 0.77; 30000;occ; 108; 0;41693  
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3; 436.4; 20-FEB-2010 09:24:56; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;41702
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3; 3534.1; 20-FEB-2010 10:16:34; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41702
4; 4092.5; 20-FEB-2010 10:25:52; Bright; 38.0; 69; 33Gam Dra ; 2.23; 3800;occ; 76; 0;41702
5; 4334.4; 20-FEB-2010 10:29:54; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41702
6; 4760.8; 20-FEB-2010 10:37:01; Bright; 35.0; 168; 17Zet Aql ; 2.99; 11000;occ; 70; 0;41702
7; 5756.1; 20-FEB-2010 10:53:36; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;41702
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2; 2355.4; 20-FEB-2010 11:37:31; Bright; 43.0; 166; 17Eps Leo ; 2.98; 6000;occ; 86; 0;41703
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3; 3532.9; 20-FEB-2010 16:58:56; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41706
4; 4091.9; 20-FEB-2010 17:08:15; Bright; 43.5; 69; 33Gam Dra ; 2.23; 3800;occ; 87; 0;41706
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2; 2344.9; 22-FEB-2010 20:37:42; Bright; 41.5; 166; 17Eps Leo ; 2.98; 6000;occ; 83; 0;41737
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9; 3102.1; 22-FEB-2010 22:30:55; Bright; 41.5; 36; 50Alp UMa ; 1.80; 6300;occ; 83; 0;41738
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