

GOMOS Daily Report 10-DEC-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	14DEC2010 16:20:15
Data source version	GOMOS/5.01
Start time of products	10DEC2010 00:02:03
Stop time of products	10DEC2010 23:59:31
Store outputs in DB	No
Nb of level 1b prods	151
Nb of prods with errors	1

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

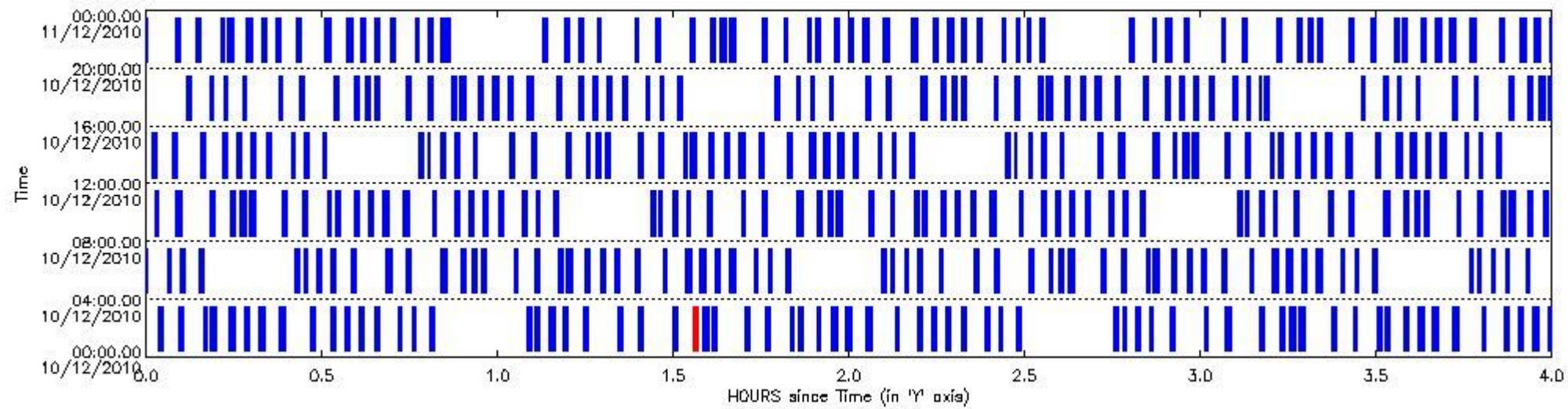
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
10-DEC-2010 01:33:16	46GamHya	169	45893

2.4 Summary of processed GOM_TRA_1P products

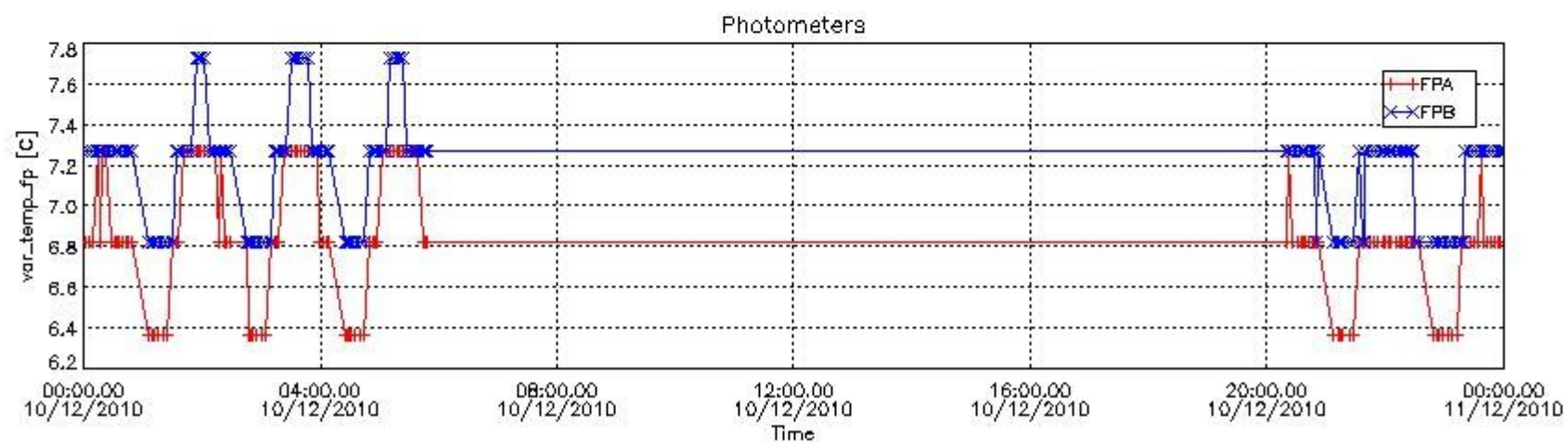
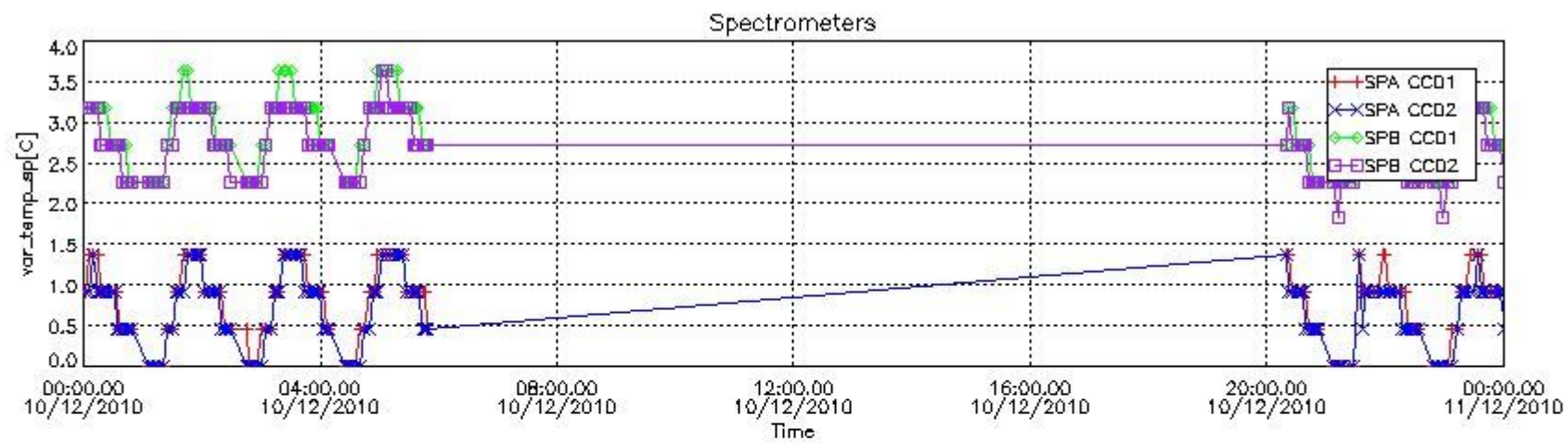
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101210_000203_000000423097_00188_45892_5574.N1	10-DEC-2010 00:02:03	Dark	41.500	99	Del Cen	2.5750	26000.	83	45892	No
2	GOM_TRA_1PNPDE20101210_000533_000000443097_00189_45893_5575.N1	10-DEC-2010 00:05:33	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	45893	No
3	GOM_TRA_1PNPDE20101210_000942_000000423097_00189_45893_5576.N1	10-DEC-2010 00:09:42	Dark	42.000	71	Iot Car	2.2460	7700.0	84	45893	No
4	GOM_TRA_1PNPDE20101210_001410_000000543097_00189_45893_5577.N1	10-DEC-2010 00:14:10	Dark	54.000	34	Gam2Vel	1.7930	23000.	108	45893	No
5	GOM_TRA_1PNPDE20101210_001646_000000563097_00189_45893_5578.N1	10-DEC-2010 00:16:46	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	45893	No
6	GOM_TRA_1PNPDE20101210_001911_000000563097_00189_45893_5579.N1	10-DEC-2010 00:19:11	Dark	56.000	117	Pi Pup	2.7060	3800.0	112	45893	No
7	GOM_TRA_1PNPDE20101210_002239_000000583097_00189_45893_5580.N1	10-DEC-2010 00:22:39	Dark	58.000	23	21Eps CMa	1.5020	26000.	116	45893	No
8	GOM_TRA_1PNPDE20101210_002808_000000463097_00189_45893_5581.N1	10-DEC-2010 00:28:08	Straylight	45.500	101	11Alp Lep	2.5820	7000.0	91	45893	No
9	GOM_TRA_1PNPDE20101210_003122_000000553097_00189_45893_5582.N1	10-DEC-2010 00:31:22	Straylight	55.000	7	19Bet Ori	0.10000	14000.	110	45893	No
10	GOM_TRA_1PNPDE20101210_003351_000000533097_00189_45893_5583.N1	10-DEC-2010 00:33:51	Straylight	53.000	30	46Eps Ori	1.6940	30000.	106	45893	No

11	GOM_TRA_1PNPDE20101210_003619_000000533097_00189_45893_5584.N1	10-DEC-2010 00:36:19	Twilight	53.000	27	24Gam Ori	1.6360	26000.	106	45893	No
12	GOM_TRA_1PNPDE20101210_003853_000000503097_00189_45893_5585.N1	10-DEC-2010 00:38:53	Twilight	49.500	13	87Alp Tau	0.86700	3800.0	99	45893	No
13	GOM_TRA_1PNPDE20101210_004305_000000373097_00189_45893_5586.N1	10-DEC-2010 00:43:05	Bright	36.500	150	44Zet Per	2.8900	28000.	73	45893	No
14	GOM_TRA_1PNPDE20101210_004525_000000373097_00189_45893_5587.N1	10-DEC-2010 00:45:25	Bright	37.000	149	45Eps Per	2.8880	30000.	74	45893	No
15	GOM_TRA_1PNPDE20101210_004827_000000463097_00189_45893_5588.N1	10-DEC-2010 00:48:27	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	45893	No
16	GOM_TRA_1PNPDE20101210_010457_000000473097_00189_45893_5589.N1	10-DEC-2010 01:04:57	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	45893	No
17	GOM_TRA_1PNPDE20101210_010627_000000383097_00189_45893_5590.N1	10-DEC-2010 01:06:27	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	45893	No
18	GOM_TRA_1PNPDE20101210_010845_000000603097_00189_45893_5591.N1	10-DEC-2010 01:08:45	Bright	60.000	32	77Eps UMa	1.7630	11000.	120	45893	No
19	GOM_TRA_1PNPDE20101210_011106_000000563097_00189_45893_5592.N1	10-DEC-2010 01:11:06	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	45893	No
20	GOM_TRA_1PNPDE20101210_011438_000000423097_00189_45893_5593.N1	10-DEC-2010 01:14:38	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	45893	No
21	GOM_TRA_1PNPDE20101210_012029_000000573097_00189_45893_5594.N1	10-DEC-2010 01:20:29	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	45893	No
22	GOM_TRA_1PNPDE20101210_012400_000000473097_00189_45893_5595.N1	10-DEC-2010 01:24:00	Bright	47.000	138	47Eps Vir	2.8280	4700.0	94	45893	No
23	GOM_TRA_1PNPDE20101210_012952_000000503097_00189_45893_5588.N1	10-DEC-2010 01:29:52	Bright	49.500	15	67Alp Vir	0.97600	28000.	99	45893	No
24	GOM_TRA_1PNPDE20101210_013501_000000553097_00189_45893_5589.N1	10-DEC-2010 01:35:01	Dark	55.000	100	4Gam Crv	2.5800	13100.	110	45893	No
25	GOM_TRA_1PNPDE20101210_013637_000000523097_00189_45893_5590.N1	10-DEC-2010 01:36:37	Dark	52.000	171	2Eps Crv	3.0010	4250.0	104	45893	No
26	GOM_TRA_1PNPDE20101210_014217_000000443097_00189_45893_5591.N1	10-DEC-2010 01:42:17	Dark	43.500	99	Del Cen	2.5750	26000.	87	45893	No
27	GOM_TRA_1PNPDE20101210_014548_000000463097_00190_45894_5592.N1	10-DEC-2010 01:45:48	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	45894	No
28	GOM_TRA_1PNPDE20101210_014956_000000433097_00190_45894_5593.N1	10-DEC-2010 01:49:56	Dark	42.500	71	lot Car	2.2460	7700.0	85	45894	No
29	GOM_TRA_1PNPDE20101210_015425_000000473097_00190_45894_5594.N1	10-DEC-2010 01:54:25	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	45894	No
30	GOM_TRA_1PNPDE20101210_015701_000000563097_00190_45894_5595.N1	10-DEC-2010 01:57:01	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	45894	No
31	GOM_TRA_1PNPDE20101210_015926_000000583097_00190_45894_5596.N1	10-DEC-2010 01:59:26	Dark	57.500	117	Pi Pup	2.7060	3800.0	115	45894	No
32	GOM_TRA_1PNPDE20101210_020253_000000573097_00190_45894_5597.N1	10-DEC-2010 02:02:53	Dark	57.000	23	21Eps CMa	1.5020	26000.	114	45894	No
33	GOM_TRA_1PNPDE20101210_020753_000000283097_00190_45894_5598.N1	10-DEC-2010 02:07:53	Straylight	28.000	47	2Bet CMa	1.9760	28000.	56	45894	No
34	GOM_TRA_1PNPDE20101210_021136_000000553097_00190_45894_5599.N1	10-DEC-2010 02:11:36	Straylight	54.500	7	19Bet Ori	0.10000	14000.	109	45894	No
35	GOM_TRA_1PNPDE20101210_021405_000000553097_00190_45894_5600.N1	10-DEC-2010 02:14:05	Straylight	55.000	30	46Eps Ori	1.6940	30000.	110	45894	No
36	GOM_TRA_1PNPDE20101210_021632_000000543097_00190_45894_5601.N1	10-DEC-2010 02:16:32	Twilight	53.500	27	24Gam Ori	1.6360	26000.	107	45894	No
37	GOM_TRA_1PNPDE20101210_021907_000000543097_00190_45894_5602.N1	10-DEC-2010 02:19:07	Twilight	53.500	13	87Alp Tau	0.86700	3800.0	107	45894	No
38	GOM_TRA_1PNPDE20101210_022319_000000363097_00190_45894_5603.N1	10-DEC-2010 02:23:19	Bright	36.000	150	44Zet Per	2.8900	28000.	72	45894	No
39	GOM_TRA_1PNPDE20101210_022539_000000363097_00190_45894_5604.N1	10-DEC-2010 02:25:39	Bright	36.000	149	45Eps Per	2.8880	30000.	72	45894	No
40	GOM_TRA_1PNPDE20101210_022840_000000483097_00190_45894_5605.N1	10-DEC-2010 02:28:40	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	45894	No
41	GOM_TRA_1PNPDE20101210_024510_000000483097_00190_45894_5617.N1	10-DEC-2010 02:45:10	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	45894	No
42	GOM_TRA_1PNPDE20101210_024641_000000353097_00190_45894_5618.N1	10-DEC-2010 02:46:41	Twilight	35.000	82	48Bet UMa	2.3650	10600.	70	45894	No
43	GOM_TRA_1PNPDE20101210_024859_000000413097_00190_45894_5619.N1	10-DEC-2010 02:48:59	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	45894	No
44	GOM_TRA_1PNPDE20101210_025120_000000373097_00190_45894_5620.N1	10-DEC-2010 02:51:20	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	45894	No
45	GOM_TRA_1PNPDE20101210_025452_000000423097_00190_45894_5621.N1	10-DEC-2010 02:54:52	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	45894	No
46	GOM_TRA_1PNPDE20101210_030044_000000383097_00190_45894_5622.N1	10-DEC-2010 03:00:44	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	45894	No
47	GOM_TRA_1PNPDE20101210_030414_000000623097_00190_45894_5623.N1	10-DEC-2010 03:04:14	Bright	61.500	138	47Eps Vir	2.8280	4700.0	123	45894	No
48	GOM_TRA_1PNPDE20101210_031007_000000503097_00190_45894_5624.N1	10-DEC-2010 03:10:07	Bright	50.000	15	67Alp Vir	0.97600	28000.	100	45894	No
49	GOM_TRA_1PNPDE20101210_031334_000000453097_00190_45894_5625.N1	10-DEC-2010 03:13:34	Twilight	45.000	169	46Gam Hya	2.9910	4700.0	90	45894	No
50	GOM_TRA_1PNPDE20101210_031516_000000533097_00190_45894_5626.N1	10-DEC-2010 03:15:16	Dark	52.500	100	4Gam Crv	2.5800	13100.	105	45894	No
51	GOM_TRA_1PNPDE20101210_031653_000000563097_00190_45894_5627.N1	10-DEC-2010 03:16:53	Dark	56.000	171	2Eps Crv	3.0010	4250.0	112	45894	No
52	GOM_TRA_1PNPDE20101210_032232_000000403097_00190_45894_5628.N1	10-DEC-2010 03:22:32	Dark	39.500	99	Del Cen	2.5750	26000.	79	45894	No
53	GOM_TRA_1PNPDE20101210_032603_000000473097_00191_45895_5629.N1	10-DEC-2010 03:26:03	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	45895	No
54	GOM_TRA_1PNPDE20101210_033011_000000423097_00191_45895_5630.N1	10-DEC-2010 03:30:11	Dark	42.000	71	lot Car	2.2460	7700.0	84	45895	No
55	GOM_TRA_1PNPDE20101210_033439_000000513097_00191_45895_5631.N1	10-DEC-2010 03:34:39	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	45895	No
56	GOM_TRA_1PNPDE20101210_033716_000000523097_00191_45895_5632.N1	10-DEC-2010 03:37:16	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	45895	No
57	GOM_TRA_1PNPDE20101210_033941_000000603097_00191_45895_5633.N1	10-DEC-2010 03:39:41	Dark	59.500	117	Pi Pup	2.7060	3800.0	119	45895	No
58	GOM_TRA_1PNPDE20101210_034308_000000633097_00191_45895_5634.N1	10-DEC-2010 03:43:08	Dark	63.000	23	21Eps CMa	1.5020	26000.	126	45895	No
59	GOM_TRA_1PNPDE20101210_034807_000000283097_00191_45895_5635.N1	10-DEC-2010 03:48:07	Straylight	28.000	47	2Bet CMa	1.9760	28000.	56	45895	No
60	GOM_TRA_1PNPDE20101210_035150_000000543097_00191_45895_5636.N1	10-DEC-2010 03:51:50	Straylight	54.000	7	19Bet Ori	0.10000	14000.	108	45895	No
61	GOM_TRA_1PNPDE20101210_035418_000000553097_00191_45895_5637.N1	10-DEC-2010 03:54:18	Straylight	55.000	30	46Eps Ori	1.6940	30000.	110	45895	No
62	GOM_TRA_1PNPDE20101210_035646_000000533097_00191_45895_5638.N1	10-DEC-2010 03:56:46	Twilight	52.500	27	24Gam Ori	1.6360	26000.	105	45895	No
63	GOM_TRA_1PNPDE20101210_035921_000000533097_00191_45895_5639.N1	10-DEC-2010 03:59:21	Twilight	53.000	13	87Alp Tau	0.86700	3800.0	106	45895	No
64	GOM_TRA_1PNPDE20101210_040333_000000393097_00191_45895_5640.N1	10-DEC-2010 04:03:33	Bright	38.500	150	44Zet Per	2.8900	28000.	77	45895	No
65	GOM_TRA_1PNPDE20101210_040553_000000363097_00191_45895_5641.N1	10-DEC-2010 04:05:53	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45895	No
66	GOM_TRA_1PNPDE20101210_040854_000000483097_00191_45895_5642.N1	10-DEC-2010 04:08:54	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	45895	No
67	GOM_TRA_1PNPDE20101210_042524_000000483097_00191_45895_5634.N1	10-DEC-2010 04:25:24	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	45895	No
68	GOM_TRA_1PNPDE20101210_042654_000000353097_00191_45895_5635.N1	10-DEC-2010 04:26:54	Twilight	35.000	82	48Bet UMa	2.3650	10600.	70	45895	No
69	GOM_TRA_1PNPDE20101210_042913_000000433097_00191_45895_5636.N1	10-DEC-2010 04:29:13	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	45895	No

70	GOM_TRA_1PNPDE20101210_043134_000000403097_00191_45895_5637.N1	10-DEC-2010 04:31:34	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	45895	No
71	GOM_TRA_1PNPDE20101210_043506_000000443097_00191_45895_5638.N1	10-DEC-2010 04:35:06	Bright	43.500	152	12Alp2CVn	2.8900	11000.	87	45895	No
72	GOM_TRA_1PNPDE20101210_044058_000000573097_00191_45895_5639.N1	10-DEC-2010 04:40:58	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	45895	No
73	GOM_TRA_1PNPDE20101210_044429_000000463097_00191_45895_5640.N1	10-DEC-2010 04:44:29	Bright	45.500	138	47Eps Vir	2.8280	4700.0	91	45895	No
74	GOM_TRA_1PNPDE20101210_045021_000000513097_00191_45895_5641.N1	10-DEC-2010 04:50:21	Bright	50.500	15	67Alp Vir	0.97600	28000.	101	45895	No
75	GOM_TRA_1PNPDE20101210_045349_000000483097_00191_45895_5642.N1	10-DEC-2010 04:53:49	Twilight	47.500	169	46Gam Hya	2.9910	4700.0	95	45895	No
76	GOM_TRA_1PNPDE20101210_045532_000000553097_00191_45895_5643.N1	10-DEC-2010 04:55:32	Dark	54.500	100	4Gam Crv	2.5800	13100.	109	45895	No
77	GOM_TRA_1PNPDE20101210_045708_000000543097_00191_45895_5644.N1	10-DEC-2010 04:57:08	Dark	54.000	171	2Eps Crv	3.0010	4250.0	108	45895	No
78	GOM_TRA_1PNPDE20101210_050247_000000413097_00191_45895_5645.N1	10-DEC-2010 05:02:47	Dark	40.500	99	Del Cen	2.5750	26000.	81	45895	No
79	GOM_TRA_1PNPDE20101210_050618_000000453097_00192_45896_5646.N1	10-DEC-2010 05:06:18	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	45896	No
80	GOM_TRA_1PNPDE20101210_051026_000000413097_00192_45896_5647.N1	10-DEC-2010 05:10:26	Dark	41.000	71	lot Car	2.2460	7700.0	82	45896	No
81	GOM_TRA_1PNPDE20101210_051454_000000513097_00192_45896_5648.N1	10-DEC-2010 05:14:54	Dark	51.000	34	Gam2Vel	1.7930	23000.	102	45896	No
82	GOM_TRA_1PNPDE20101210_051730_000000463097_00192_45896_5649.N1	10-DEC-2010 05:17:30	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	45896	No
83	GOM_TRA_1PNPDE20101210_051956_000000573097_00192_45896_5650.N1	10-DEC-2010 05:19:56	Dark	56.500	117	Pi Pup	2.7060	3800.0	113	45896	No
84	GOM_TRA_1PNPDE20101210_052322_000000603097_00192_45896_5651.N1	10-DEC-2010 05:23:22	Dark	60.000	23	21Eps CMa	1.5020	26000.	120	45896	No
85	GOM_TRA_1PNPDE20101210_052821_000000333097_00192_45896_5652.N1	10-DEC-2010 05:28:21	Straylight	33.000	47	2Bet CMa	1.9760	28000.	66	45896	No
86	GOM_TRA_1PNPDE20101210_053204_000000583097_00192_45896_5653.N1	10-DEC-2010 05:32:04	Straylight	57.500	7	19Bet Ori	0.10000	14000.	115	45896	No
87	GOM_TRA_1PNPDE20101210_053432_000000553097_00192_45896_5654.N1	10-DEC-2010 05:34:32	Straylight	54.500	30	46Eps Ori	1.6940	30000.	109	45896	No
88	GOM_TRA_1PNPDE20101210_053700_000000533097_00192_45896_5655.N1	10-DEC-2010 05:37:00	Tw_i_and_stray	52.500	27	24Gam Ori	1.6360	26000.	105	45896	No
89	GOM_TRA_1PNPDE20101210_053935_000000573097_00192_45896_5656.N1	10-DEC-2010 05:39:35	Tw_i_and_stray	57.000	13	87Alp Tau	0.86700	3800.0	114	45896	No
90	GOM_TRA_1PNPDE20101210_054347_000000373097_00192_45896_5657.N1	10-DEC-2010 05:43:47	Bright	36.500	150	44Zet Per	2.8900	28000.	73	45896	No
91	GOM_TRA_1PNPDE20101210_054607_000000393097_00192_45896_5658.N1	10-DEC-2010 05:46:07	Bright	38.500	149	45Eps Per	2.8880	30000.	77	45896	No
92	GOM_TRA_1PNPDE20101210_054907_000000493097_00192_45896_5659.N1	10-DEC-2010 05:49:07	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	45896	No
93	GOM_TRA_1PNPDE20101210_201940_000000523097_00201_45905_5759.N1	10-DEC-2010 20:19:40	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	45905	No
94	GOM_TRA_1PNPDE20101210_202208_000000563097_00201_45905_5760.N1	10-DEC-2010 20:22:08	Dark	56.000	117	Pi Pup	2.7060	3800.0	112	45905	No
95	GOM_TRA_1PNPDE20101210_202533_000000573097_00201_45905_5761.N1	10-DEC-2010 20:25:33	Dark	56.500	23	21Eps CMa	1.5020	26000.	113	45905	No
96	GOM_TRA_1PNPDE20101210_203029_000000553097_00201_45905_5762.N1	10-DEC-2010 20:30:29	Straylight	55.000	47	2Bet CMa	1.9760	28000.	110	45905	No
97	GOM_TRA_1PNPDE20101210_203411_000000603097_00201_45905_5763.N1	10-DEC-2010 20:34:11	Straylight	60.000	7	19Bet Ori	0.10000	14000.	120	45905	No
98	GOM_TRA_1PNPDE20101210_203637_000000543097_00201_45905_5764.N1	10-DEC-2010 20:36:37	Straylight	53.500	30	46Eps Ori	1.6940	30000.	107	45905	No
99	GOM_TRA_1PNPDE20101210_203904_000000493097_00201_45905_5765.N1	10-DEC-2010 20:39:04	Tw_i_and_stray	49.000	27	24Gam Ori	1.6360	26000.	98	45905	No
100	GOM_TRA_1PNPDE20101210_204140_000000513097_00201_45905_5766.N1	10-DEC-2010 20:41:40	Tw_i_and_stray	51.000	13	87Alp Tau	0.86700	3800.0	102	45905	No
101	GOM_TRA_1PNPDE20101210_204553_000000383097_00201_45905_5767.N1	10-DEC-2010 20:45:53	Bright	37.500	150	44Zet Per	2.8900	28000.	75	45905	No
102	GOM_TRA_1PNPDE20101210_204812_000000373097_00201_45905_5768.N1	10-DEC-2010 20:48:12	Bright	36.500	149	45Eps Per	2.8880	30000.	73	45905	No
103	GOM_TRA_1PNPDE20101210_205015_000000273097_00201_45905_5769.N1	10-DEC-2010 20:50:15	Tw_i_and_stray	27.000	107	37The Aur	2.6490	11000.	54	45905	No
104	GOM_TRA_1PNPDE20101210_205110_000000463097_00201_45905_5770.N1	10-DEC-2010 20:51:10	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	45905	No
105	GOM_TRA_1PNPDE20101210_210740_000000483097_00201_45905_5771.N1	10-DEC-2010 21:07:40	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	45905	No
106	GOM_TRA_1PNPDE20101210_211131_000000423097_00201_45905_5772.N1	10-DEC-2010 21:11:31	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	45905	No
107	GOM_TRA_1PNPDE20101210_211355_000000373097_00201_45905_5773.N1	10-DEC-2010 21:13:55	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	45905	No
108	GOM_TRA_1PNPDE20101210_211705_000000373097_00201_45905_5774.N1	10-DEC-2010 21:17:05	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	45905	No
109	GOM_TRA_1PNPDE20101210_212321_000000433097_00201_45905_5775.N1	10-DEC-2010 21:23:21	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	45905	No
110	GOM_TRA_1PNPDE20101210_212655_000000493097_00201_45905_5776.N1	10-DEC-2010 21:26:55	Bright	48.500	138	47Eps Vir	2.8280	4700.0	97	45905	No
111	GOM_TRA_1PNPDE20101210_213248_000000543097_00201_45905_5778.N1	10-DEC-2010 21:32:48	Tw_i_and_stray	53.500	15	67Alp Vir	0.97600	28000.	107	45905	Yes
112	GOM_TRA_1PNPDE20101210_213615_000000463097_00201_45905_5779.N1	10-DEC-2010 21:36:15	Twilight	45.500	169	46Gam Hya	2.9910	4700.0	91	45905	No
113	GOM_TRA_1PNPDE20101210_213803_000000553097_00201_45905_5780.N1	10-DEC-2010 21:38:03	Dark	54.500	100	4Gam Crv	2.5800	13100.	109	45905	No
114	GOM_TRA_1PNPDE20101210_213939_000000583097_00201_45905_5781.N1	10-DEC-2010 21:39:39	Dark	57.500	171	2Eps Crv	3.0010	4250.0	115	45905	No
115	GOM_TRA_1PNPDE20101210_214513_000000413097_00201_45905_5782.N1	10-DEC-2010 21:45:13	Dark	40.500	99	Del Cen	2.5750	26000.	81	45905	No
116	GOM_TRA_1PNPDE20101210_214847_000000483097_00202_45906_5783.N1	10-DEC-2010 21:48:47	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	45906	No
117	GOM_TRA_1PNPDE20101210_215253_000000413097_00202_45906_5784.N1	10-DEC-2010 21:52:53	Dark	40.500	71	lot Car	2.2460	7700.0	81	45906	No
118	GOM_TRA_1PNPDE20101210_215723_000000523097_00202_45906_5785.N1	10-DEC-2010 21:57:23	Dark	52.000	34	Gam2Vel	1.7930	23000.	104	45906	No
119	GOM_TRA_1PNPDE20101210_215955_000000463097_00202_45906_5786.N1	10-DEC-2010 21:59:55	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	45906	No
120	GOM_TRA_1PNPDE20101210_220223_000000563097_00202_45906_5787.N1	10-DEC-2010 22:02:23	Dark	55.500	117	Pi Pup	2.7060	3800.0	111	45906	No
121	GOM_TRA_1PNPDE20101210_220548_000000603097_00202_45906_5788.N1	10-DEC-2010 22:05:48	Dark	60.000	23	21Eps CMa	1.5020	26000.	120	45906	No
122	GOM_TRA_1PNPDE20101210_221043_000000603097_00202_45906_5789.N1	10-DEC-2010 22:10:43	Straylight	60.000	47	2Bet CMa	1.9760	28000.	120	45906	No
123	GOM_TRA_1PNPDE20101210_221425_000000533097_00202_45906_5790.N1	10-DEC-2010 22:14:25	Straylight	53.000	7	19Bet Ori	0.10000	14000.	106	45906	No
124	GOM_TRA_1PNPDE20101210_221651_000000543097_00202_45906_5791.N1	10-DEC-2010 22:16:51	Straylight	53.500	30	46Eps Ori	1.6940	30000.	107	45906	No
125	GOM_TRA_1PNPDE20101210_221918_000000503097_00202_45906_5792.N1	10-DEC-2010 22:19:18	Tw_i_and_stray	49.500	27	24Gam Ori	1.6360	26000.	99	45906	No
126	GOM_TRA_1PNPDE20101210_222154_000000483097_00202_45906_5793.N1	10-DEC-2010 22:21:54	Tw_i_and_stray	48.000	13	87Alp Tau	0.86700	3800.0	96	45906	No
127	GOM_TRA_1PNPDE20101210_222606_000000373097_00202_45906_5794.N1	10-DEC-2010 22:26:06	Bright	36.500	150	44Zet Per	2.8900	28000.	73	45906	No
128	GOM_TRA_1PNPDE20101210_222826_000000373097_00202_45906_5795.N1	10-DEC-2010 22:28:26	Bright	36.500	149	45Eps Per	2.8880	30000.	73	45906	No

129	GOM_TRA_1PNPDE20101210_223028_000000333097_00202_45906_5796.N1	10-DEC-2010 22:30:28	Twilight	33.000	107	37The Aur	2.6490	11000.	66	45906	No
130	GOM_TRA_1PNPDE20101210_223233_000000463097_00202_45906_5797.N1	10-DEC-2010 22:32:33	Bright	46.000	42	34Bet Aur	1.9000	10200.	92	45906	No
131	GOM_TRA_1PNPDE20101210_224753_000000453097_00202_45906_5798.N1	10-DEC-2010 22:47:53	Bright	44.500	36	50Alp UMa	1.8000	6300.0	89	45906	No
132	GOM_TRA_1PNPDE20101210_225145_000000423097_00202_45906_5799.N1	10-DEC-2010 22:51:45	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	45906	No
133	GOM_TRA_1PNPDE20101210_225408_000000563097_00202_45906_5800.N1	10-DEC-2010 22:54:08	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	45906	No
134	GOM_TRA_1PNPDE20101210_225719_000000453097_00202_45906_5801.N1	10-DEC-2010 22:57:19	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	45906	No
135	GOM_TRA_1PNPDE20101210_230335_000000403097_00202_45906_5802.N1	10-DEC-2010 23:03:35	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	45906	No
136	GOM_TRA_1PNPDE20101210_230709_000000493097_00202_45906_5803.N1	10-DEC-2010 23:07:09	Bright	49.000	138	47Eps Vir	2.8280	4700.0	98	45906	No
137	GOM_TRA_1PNPDE20101210_231302_000000503097_00202_45906_5804.N1	10-DEC-2010 23:13:02	Twilight	49.500	15	67Alp Vir	0.97600	28000.	99	45906	No
138	GOM_TRA_1PNPDE20101210_231630_000000443097_00202_45906_5806.N1	10-DEC-2010 23:16:30	Twilight	44.000	169	46Gam Hya	2.9910	4700.0	88	45906	No
139	GOM_TRA_1PNPDE20101210_231818_000000533097_00202_45906_5807.N1	10-DEC-2010 23:18:18	Dark	53.000	100	4Gam Crv	2.5800	13100.	106	45906	No
140	GOM_TRA_1PNPDE20101210_231954_000000583097_00202_45906_5808.N1	10-DEC-2010 23:19:54	Dark	57.500	171	2Eps Crv	3.0010	4250.0	115	45906	No
141	GOM_TRA_1PNPDE20101210_232528_000000423097_00202_45906_5809.N1	10-DEC-2010 23:25:28	Dark	41.500	99	Del Cen	2.5750	26000.	83	45906	No
142	GOM_TRA_1PNPDE20101210_232902_000000473097_00203_45907_5810.N1	10-DEC-2010 23:29:02	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	45907	No
143	GOM_TRA_1PNPDE20101210_233307_000000433097_00203_45907_5811.N1	10-DEC-2010 23:33:07	Dark	42.500	71	Iot Car	2.2460	7700.0	85	45907	No
144	GOM_TRA_1PNPDE20101210_233737_000000533097_00203_45907_5812.N1	10-DEC-2010 23:37:37	Dark	52.500	34	Gam2Vel	1.7930	23000.	105	45907	No
145	GOM_TRA_1PNPDE20101210_234009_000000563097_00203_45907_5813.N1	10-DEC-2010 23:40:09	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	45907	No
146	GOM_TRA_1PNPDE20101210_234237_000000553097_00203_45907_5814.N1	10-DEC-2010 23:42:37	Dark	54.500	117	Pi Pup	2.7060	3800.0	109	45907	No
147	GOM_TRA_1PNPDE20101210_234602_000000563097_00203_45907_5815.N1	10-DEC-2010 23:46:02	Dark	56.000	23	21Eps CMa	1.5020	26000.	112	45907	No
148	GOM_TRA_1PNPDE20101210_235057_000000573097_00203_45907_5816.N1	10-DEC-2010 23:50:57	Straylight	57.000	47	2Bet CMa	1.9760	28000.	114	45907	No
149	GOM_TRA_1PNPDE20101210_235439_000000543097_00203_45907_5817.N1	10-DEC-2010 23:54:39	Straylight	53.500	7	19Bet Ori	0.10000	14000.	107	45907	No
150	GOM_TRA_1PNPDE20101210_235705_000000543097_00203_45907_5818.N1	10-DEC-2010 23:57:05	Straylight	53.500	30	46Eps Ori	1.6940	30000.	107	45907	No
151	GOM_TRA_1PNPDE20101210_235931_000000523097_00203_45907_5819.N1	10-DEC-2010 23:59:31	Twilight	52.000	27	24Gam Ori	1.6360	26000.	104	45907	No

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



4. Overview of dark signal processing per product

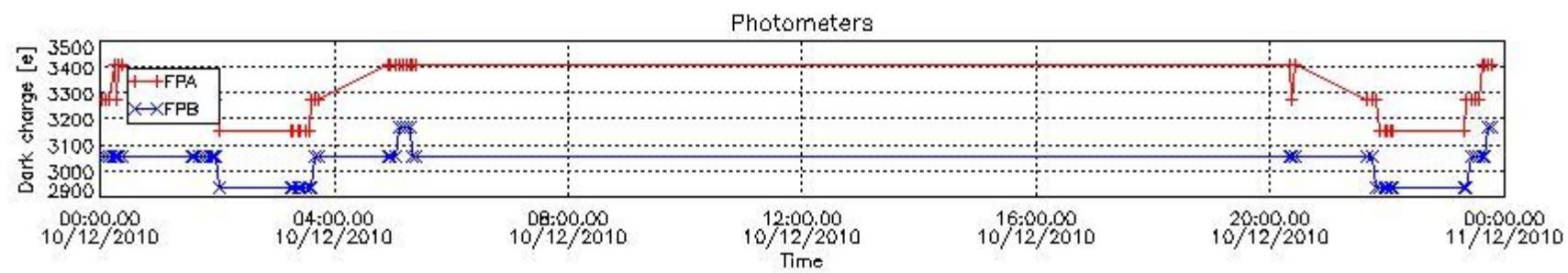
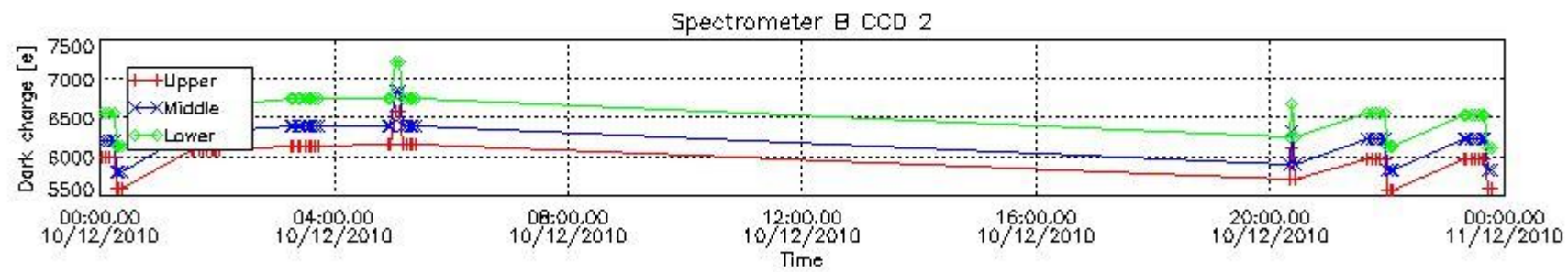
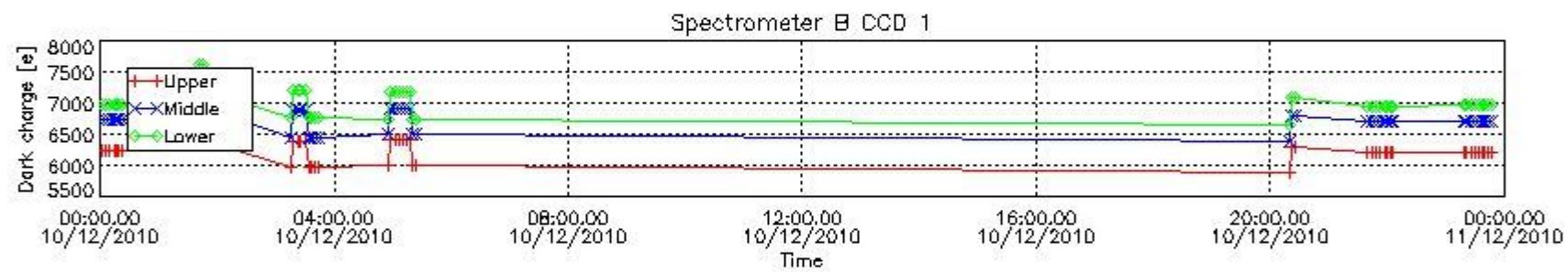
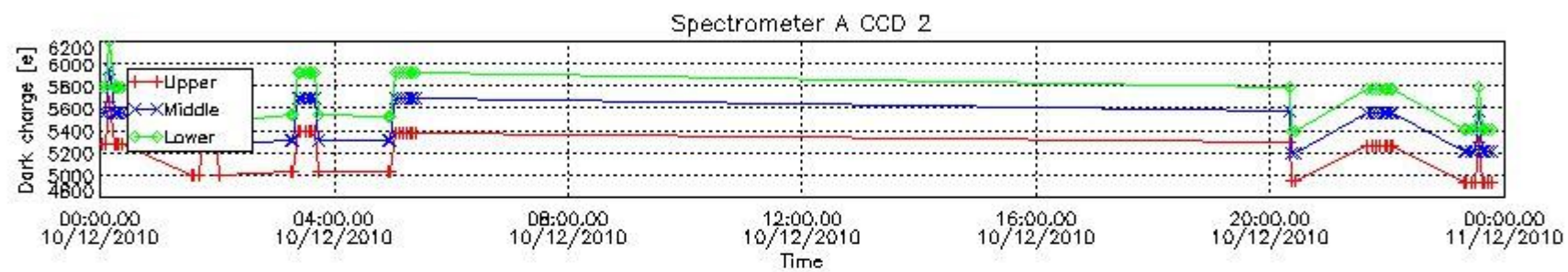
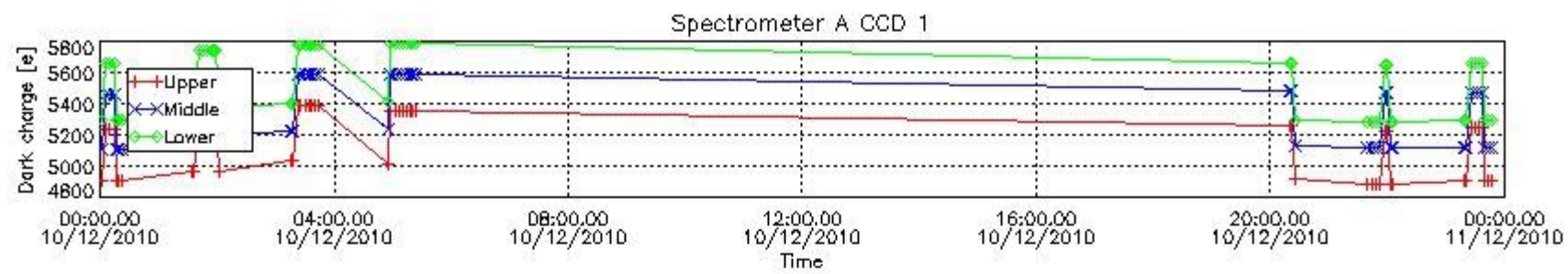
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20101210_201940_000000523097_00201_45905_5759.N1	DC map with no T dep.
GOM_TRA_1PNPDE20101210_202208_000000563097_00201_45905_5760.N1	DC map used
GOM_TRA_1PNPDE20101210_202533_000000573097_00201_45905_5761.N1	DC map used
GOM_TRA_1PNPDE20101210_203029_000000553097_00201_45905_5762.N1	DC map used
GOM_TRA_1PNPDE20101210_203411_000000603097_00201_45905_5763.N1	DC map used
GOM_TRA_1PNPDE20101210_203637_000000543097_00201_45905_5764.N1	DC map used
GOM_TRA_1PNPDE20101210_203904_000000493097_00201_45905_5765.N1	DC map used
GOM_TRA_1PNPDE20101210_204140_000000513097_00201_45905_5766.N1	DC map used
GOM_TRA_1PNPDE20101210_204553_000000383097_00201_45905_5767.N1	DC map used
GOM_TRA_1PNPDE20101210_204812_000000373097_00201_45905_5768.N1	DC map used
GOM_TRA_1PNPDE20101210_205015_000000273097_00201_45905_5769.N1	DC map used
GOM_TRA_1PNPDE20101210_205110_000000463097_00201_45905_5770.N1	DC map used
GOM_TRA_1PNPDE20101210_210740_000000483097_00201_45905_5771.N1	DC map used
GOM_TRA_1PNPDE20101210_211131_000000423097_00201_45905_5772.N1	DC map used
GOM_TRA_1PNPDE20101210_211355_000000373097_00201_45905_5773.N1	DC map used
GOM_TRA_1PNPDE20101210_211705_000000373097_00201_45905_5774.N1	DC map used
GOM_TRA_1PNPDE20101210_212321_000000433097_00201_45905_5775.N1	DC map used
GOM_TRA_1PNPDE20101210_212655_000000493097_00201_45905_5776.N1	DC map used

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



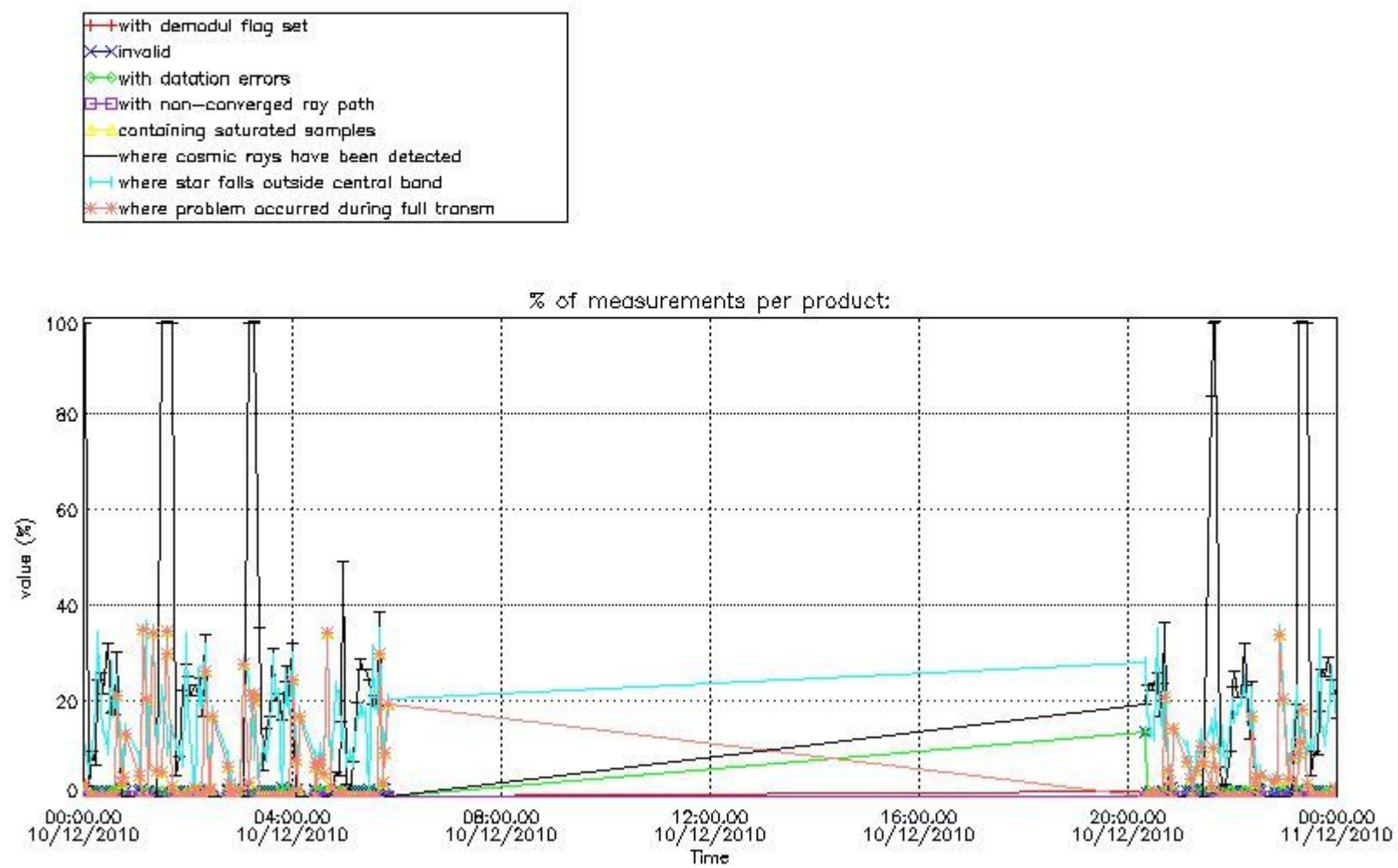
5. Demodulation flag and quality information monitoring

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.

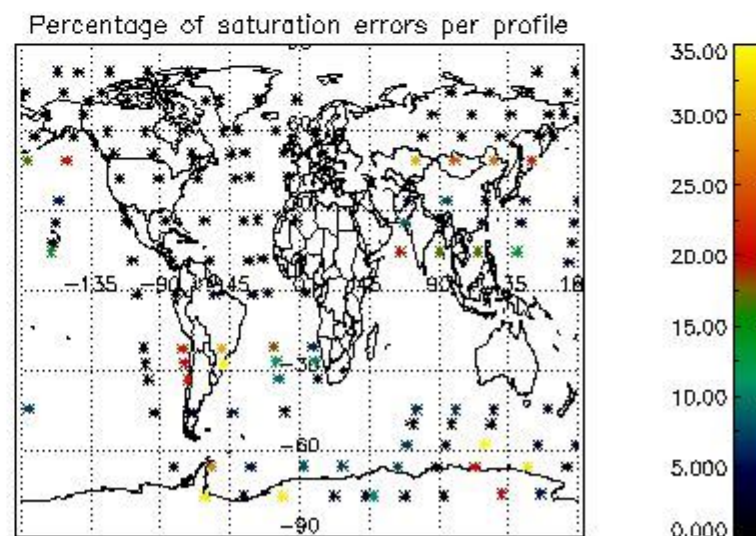
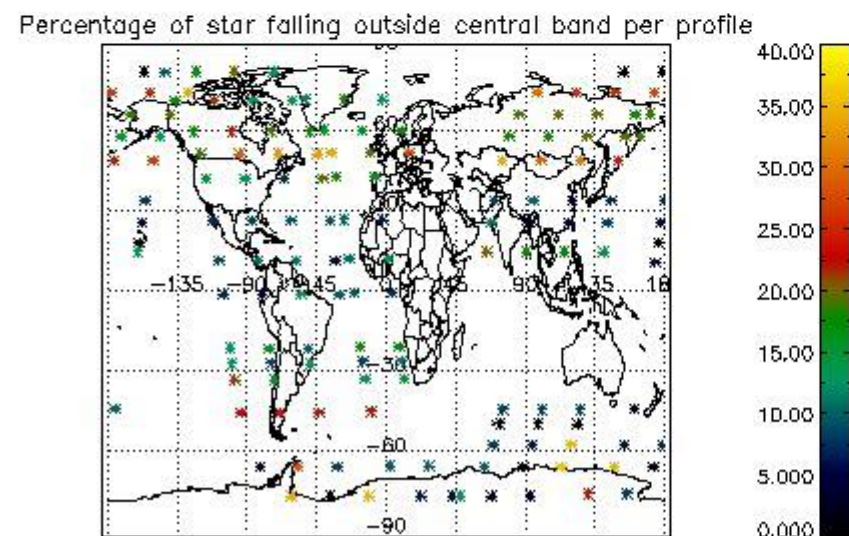
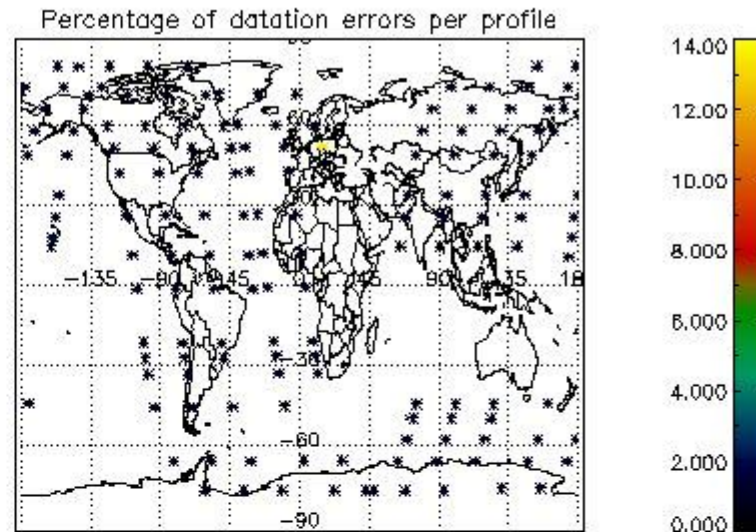
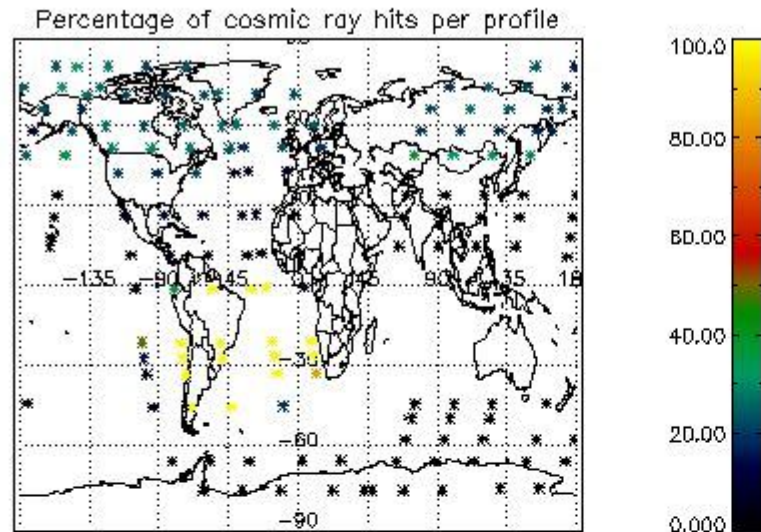
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	60.6667 %
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)



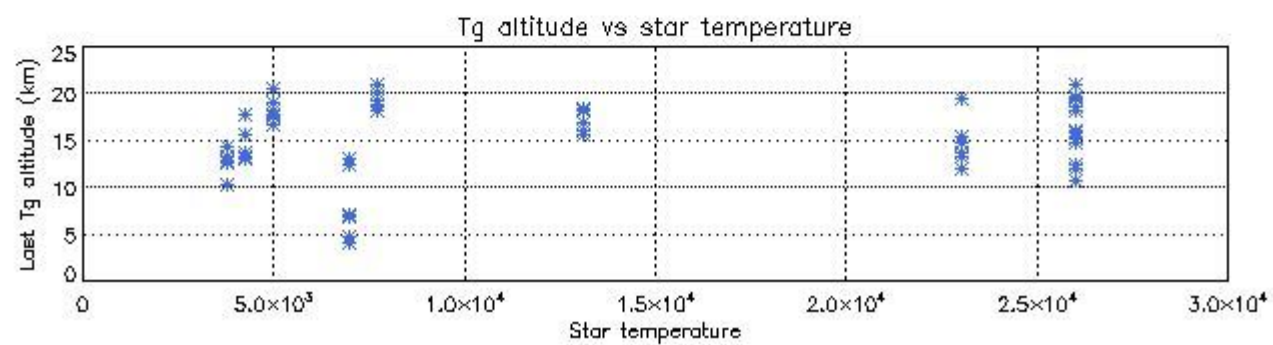
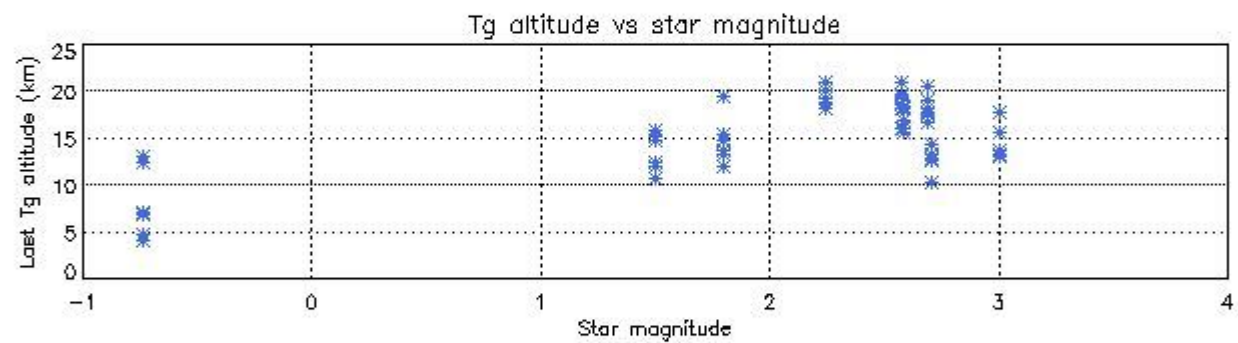
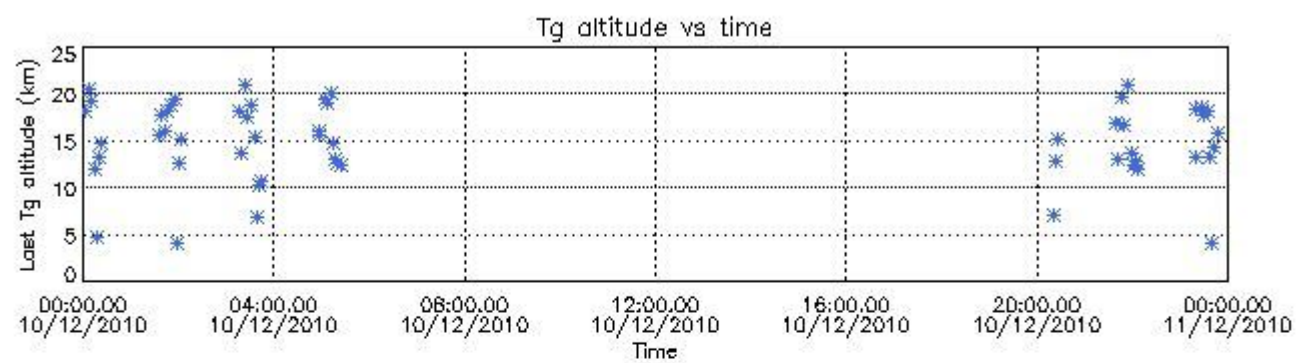
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.948	17.817	13.445
St. deviation:	4.1679	7.0191	1.7414
Maximum:	21.034	43.152	15.518
Minimum:	4.0453	3.3675	11.260
Number of data:	55.000	52.000	4.0000

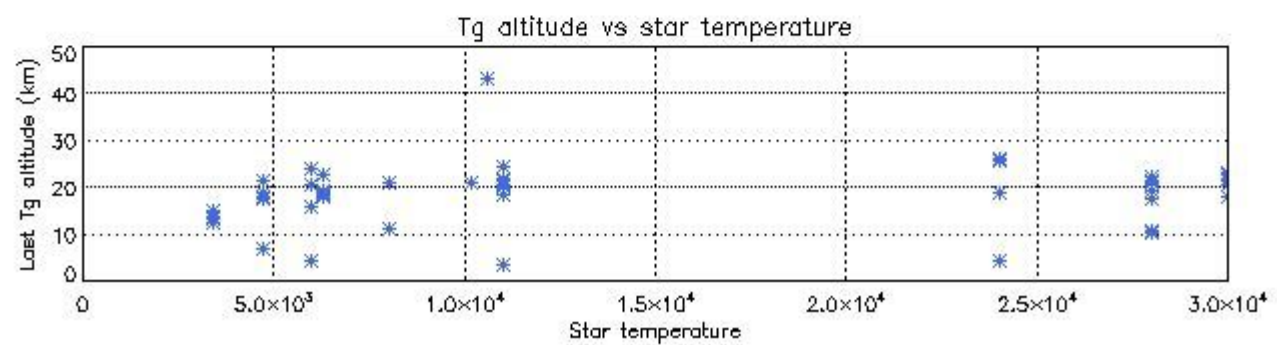
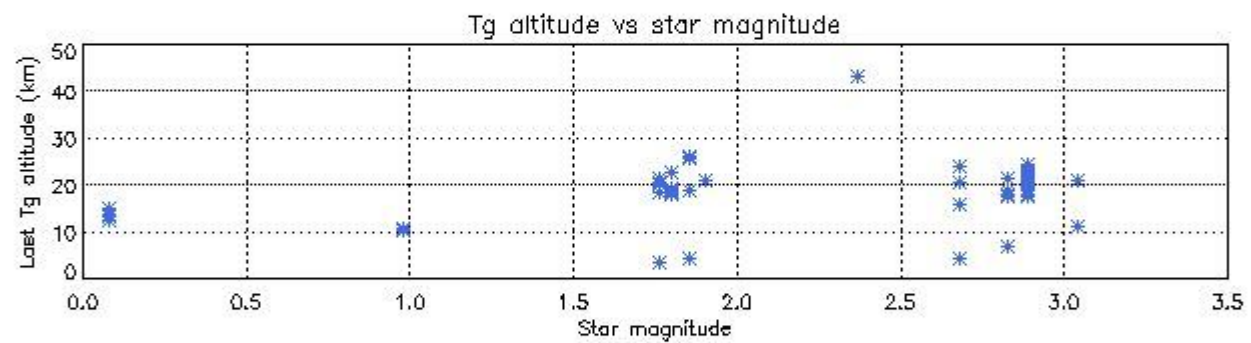
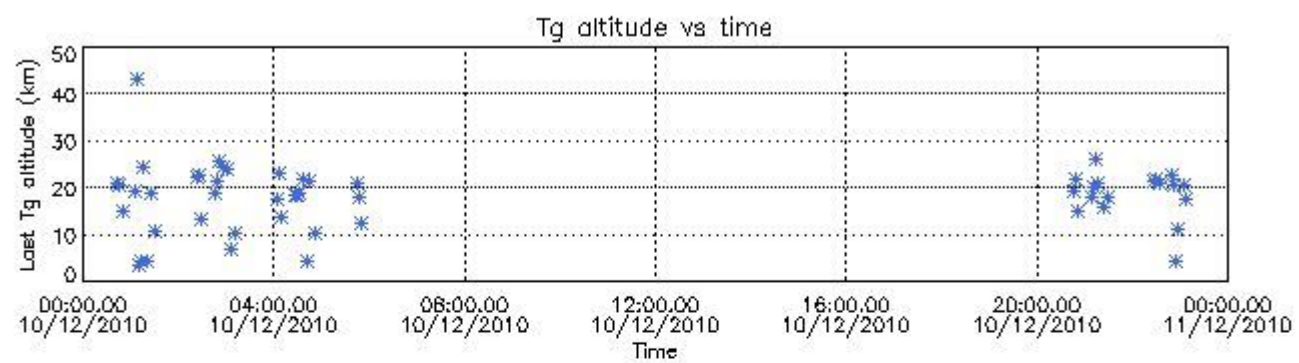
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



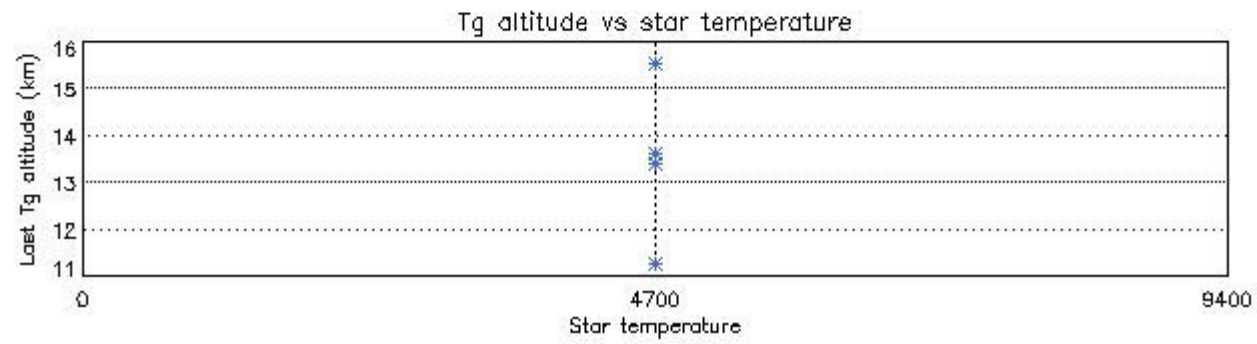
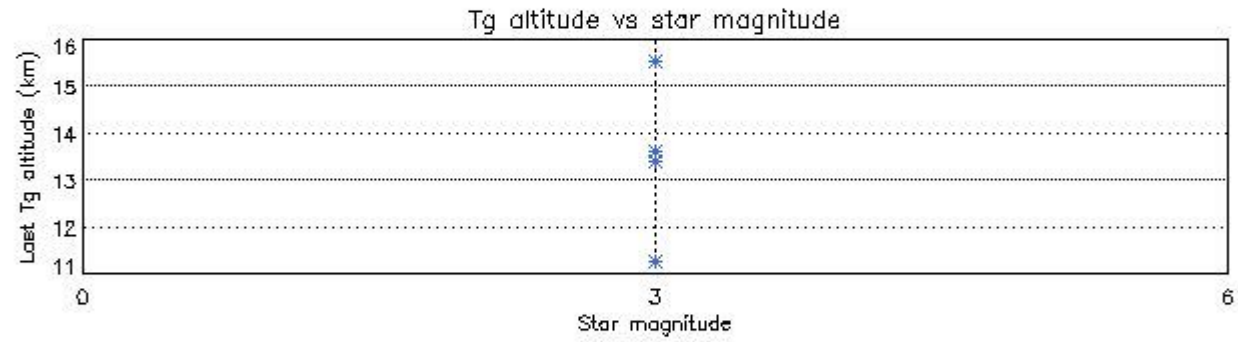
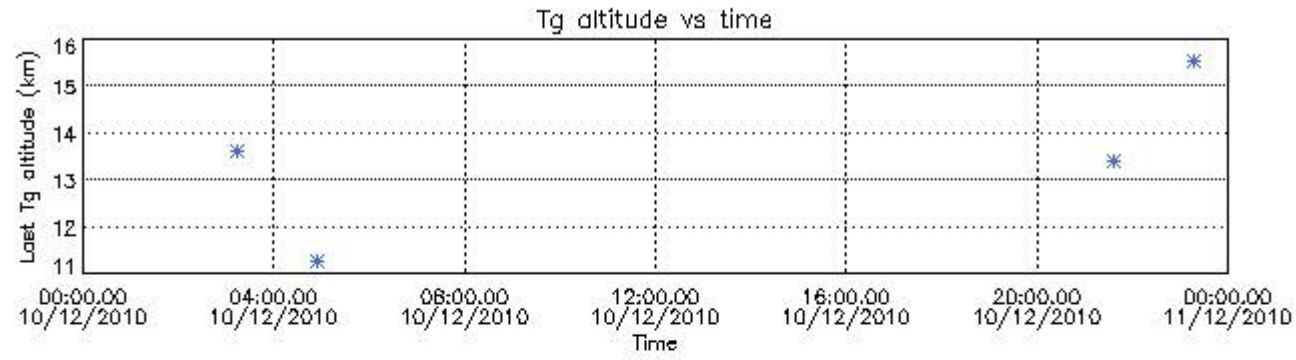
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

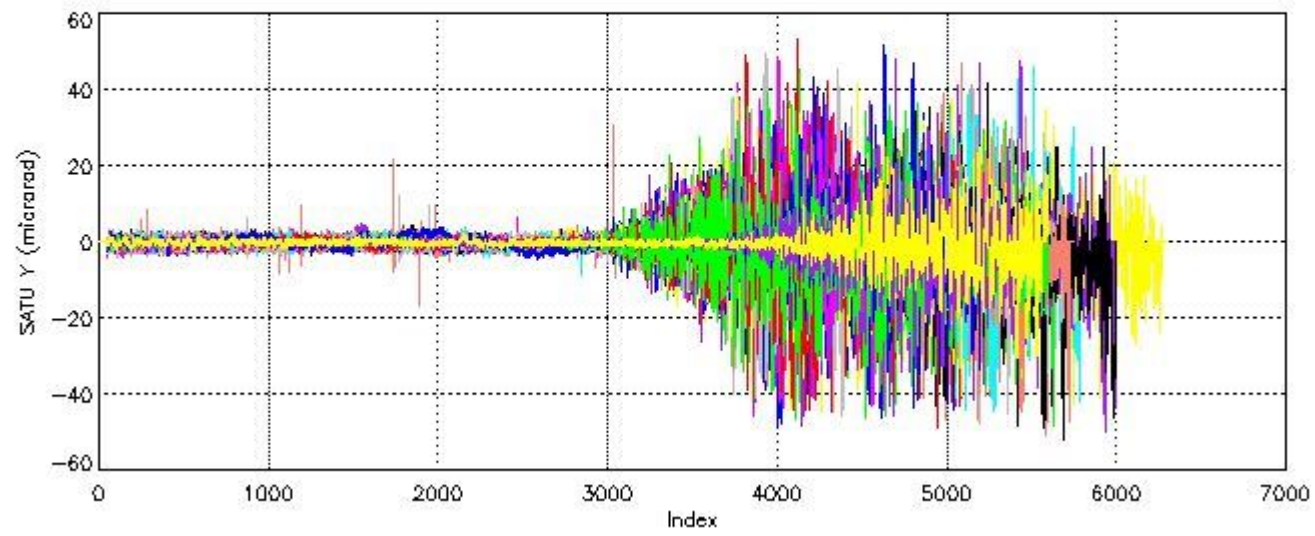
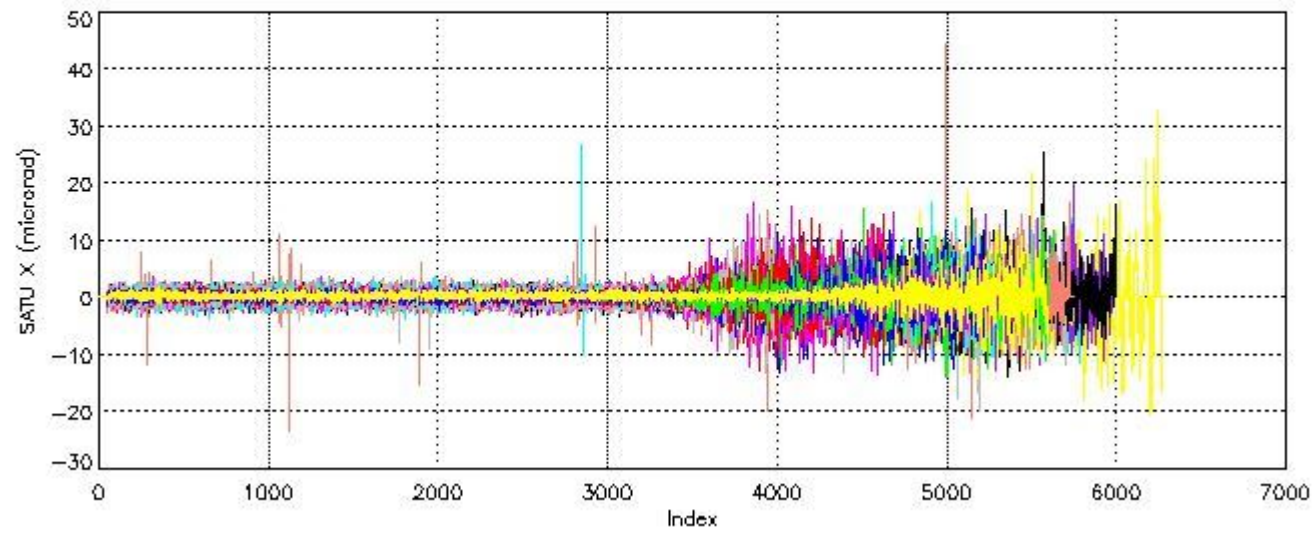


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.21330	-0.29404	0.14165	-0.23851
St. deviation:	0.54333	0.72281	0.88296	1.0228
Maximum:	11.100	9.4000	6.7000	6.5000
Minimum:	-23.200	-8.6000	-6.4000	-7.8000

Number of data:	62200.	62200.	50100.	50100.
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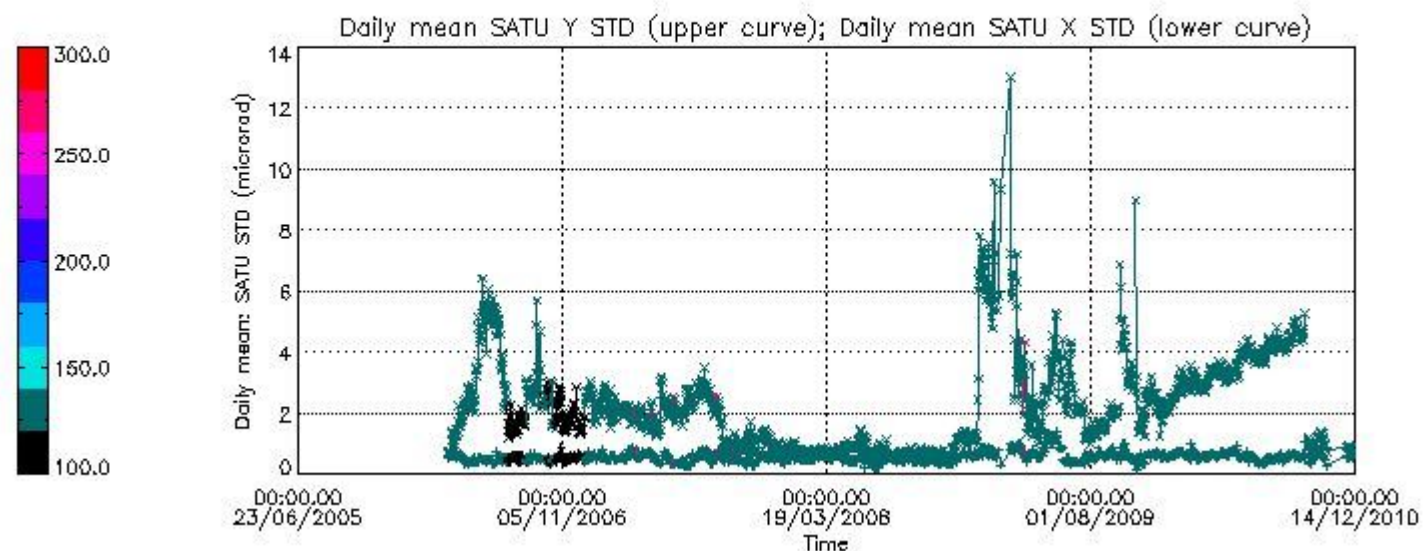
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

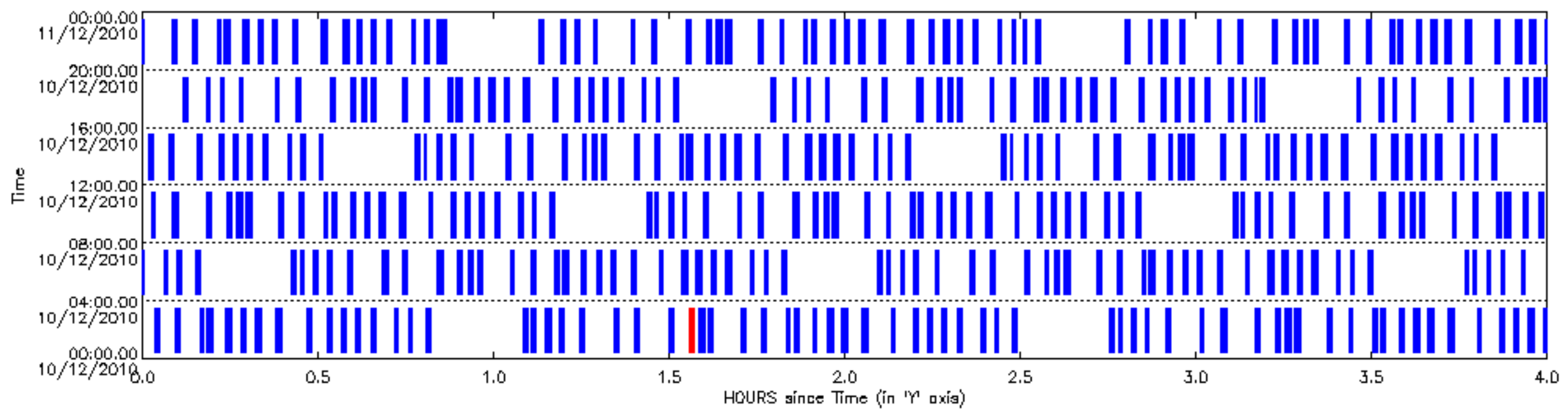
Lower curve: STD of SATU X axis

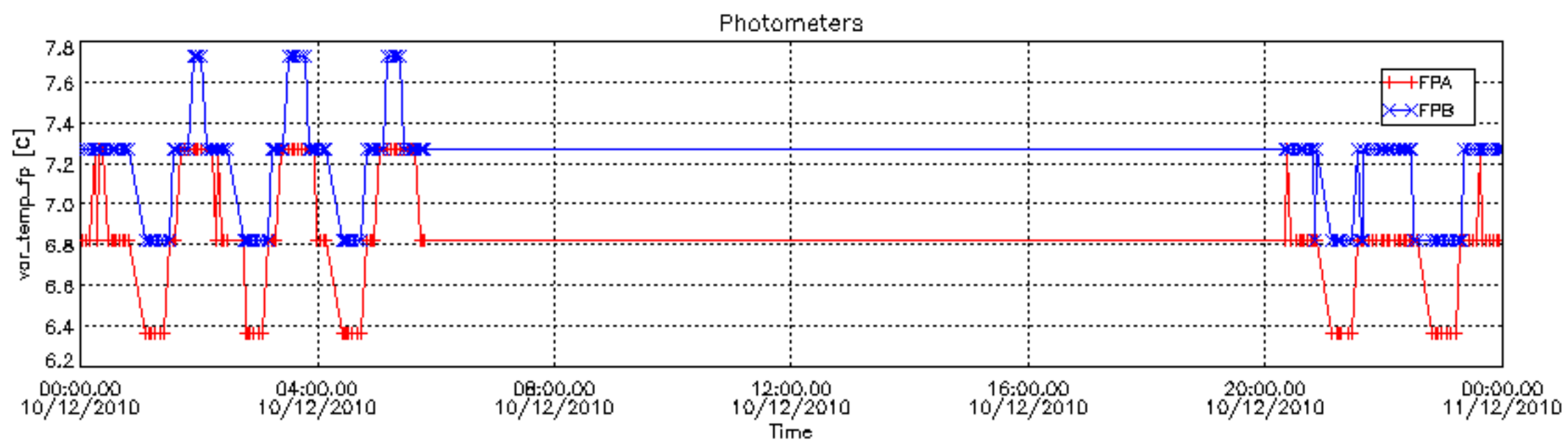
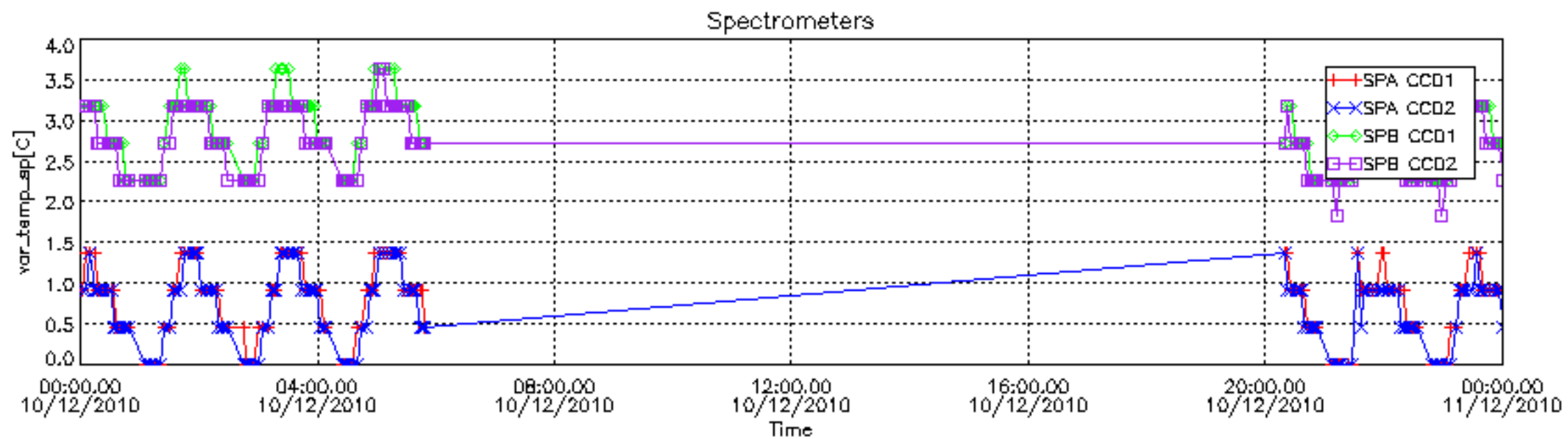


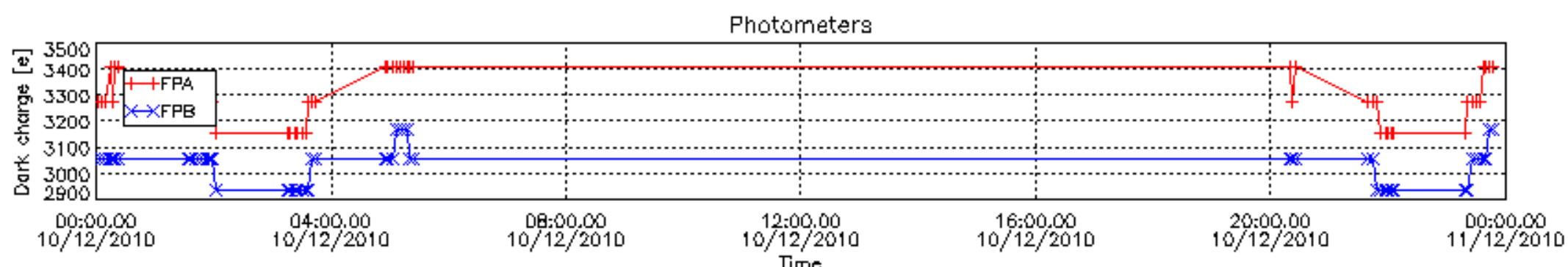
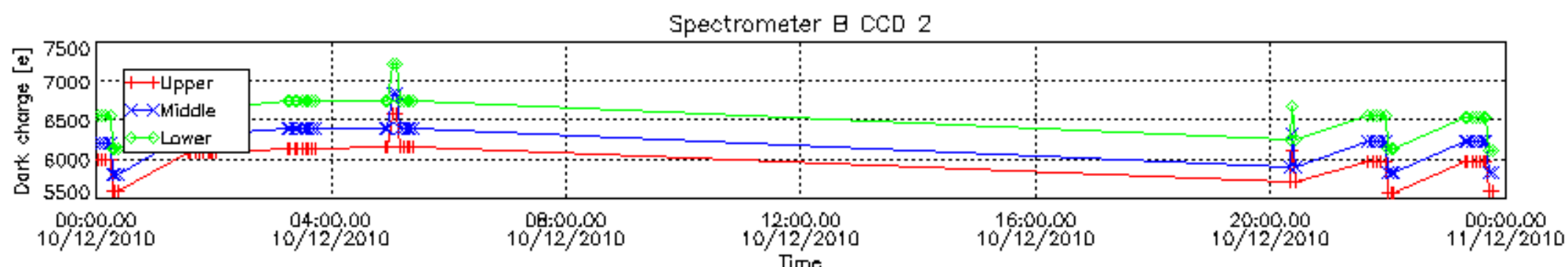
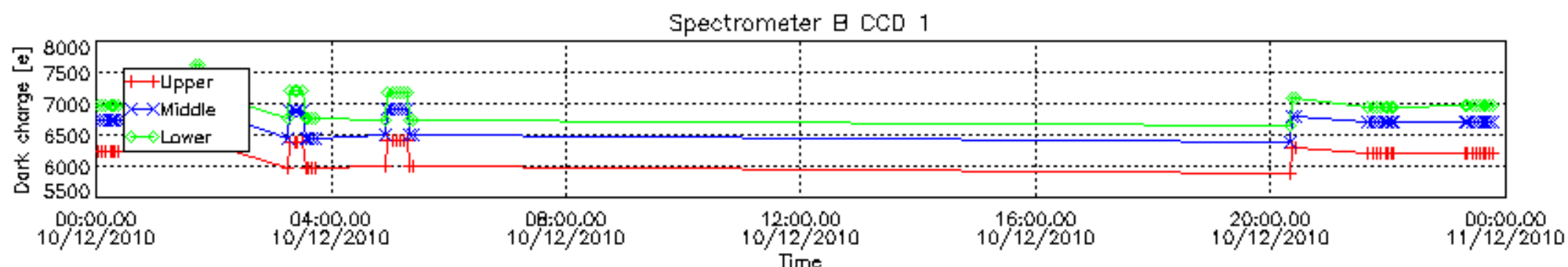
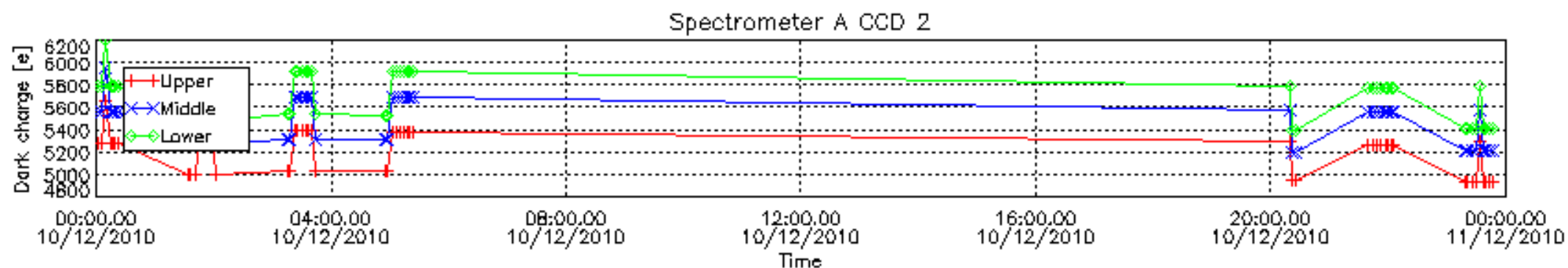
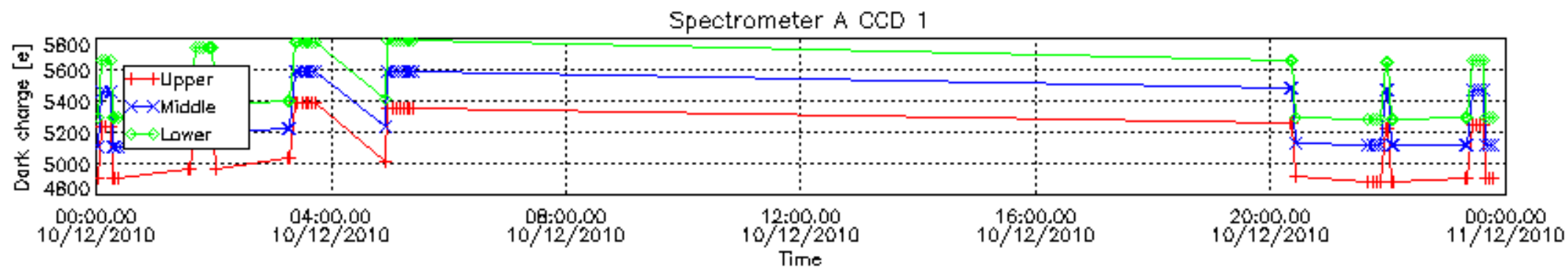
8. Auxiliary Data Files used for the production reported in section 2.4

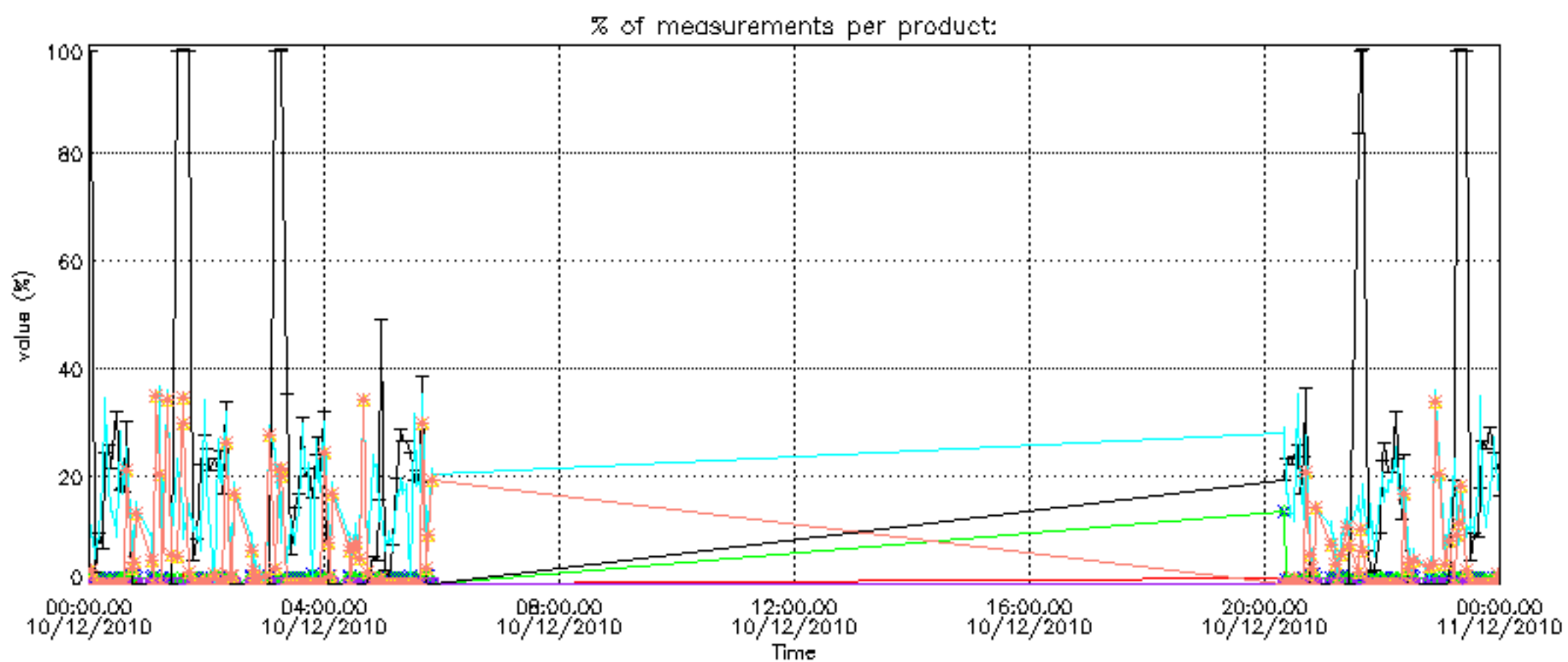
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	10-DEC-2010 00:02:03
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101201_093519_20101129_000000_20500101_000000	1	10-DEC-2010 00:02:03
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	10-DEC-2010 00:02:03
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	10-DEC-2010 00:02:03
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	10-DEC-2010 00:02:03
ECMWF_FILE	AUX_ECF_AXNECM20101209_054116_20101209_210000_20101210_090000	1	10-DEC-2010 00:02:03
ECMWF_FILE	AUX_ECF_AXNECM20101209_174115_20101210_030000_20101210_150000	67	10-DEC-2010 04:25:24
ECMWF_FILE	AUX_ECF_AXNECM20101210_054116_20101210_150000_20101211_030000	93	10-DEC-2010 20:19:40
ECMWF_FILE	AUX_ECF_AXNECM20101210_054116_20101210_210000_20101211_090000	111	10-DEC-2010 21:32:48
OPTIONAL_ECMWF_FILE	MISSING	1	10-DEC-2010 00:02:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101209_234732_000057383097_00188_45892_2096.N1	1	10-DEC-2010 00:02:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101210_012829_000038253097_00189_45893_2097.N1	23	10-DEC-2010 01:29:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101210_023733_000060573097_00190_45894_2098.N1	41	10-DEC-2010 02:45:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101210_042349_000054193097_00191_45895_2099.N1	67	10-DEC-2010 04:25:24
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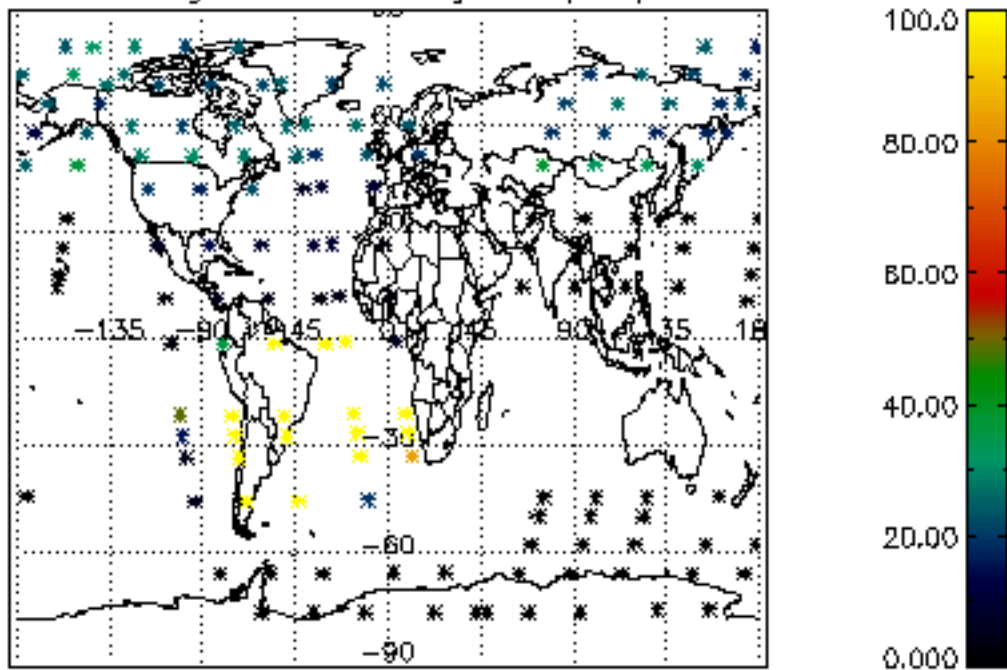




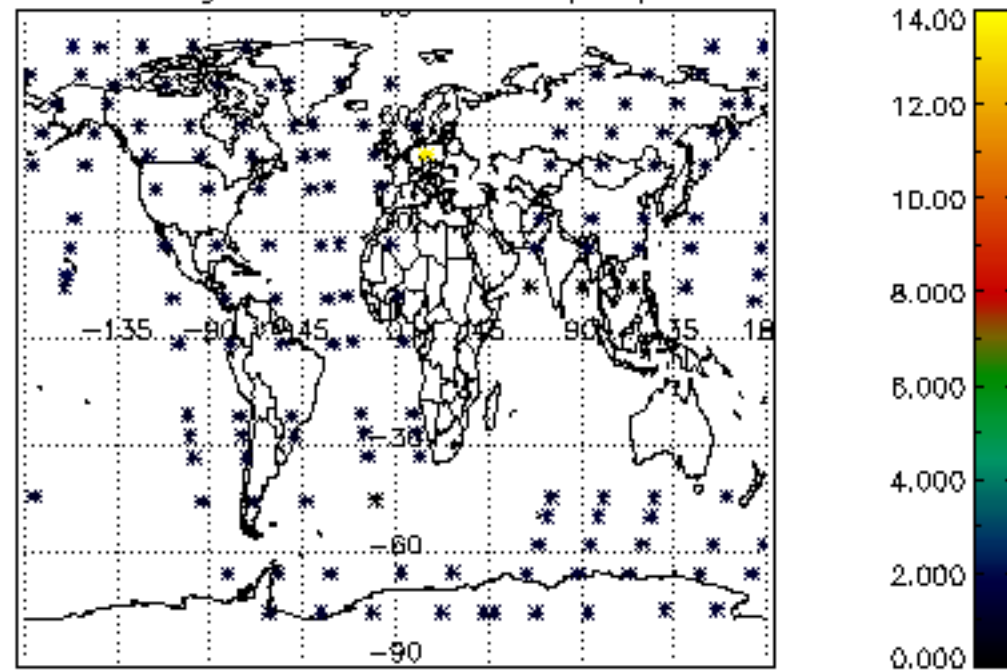




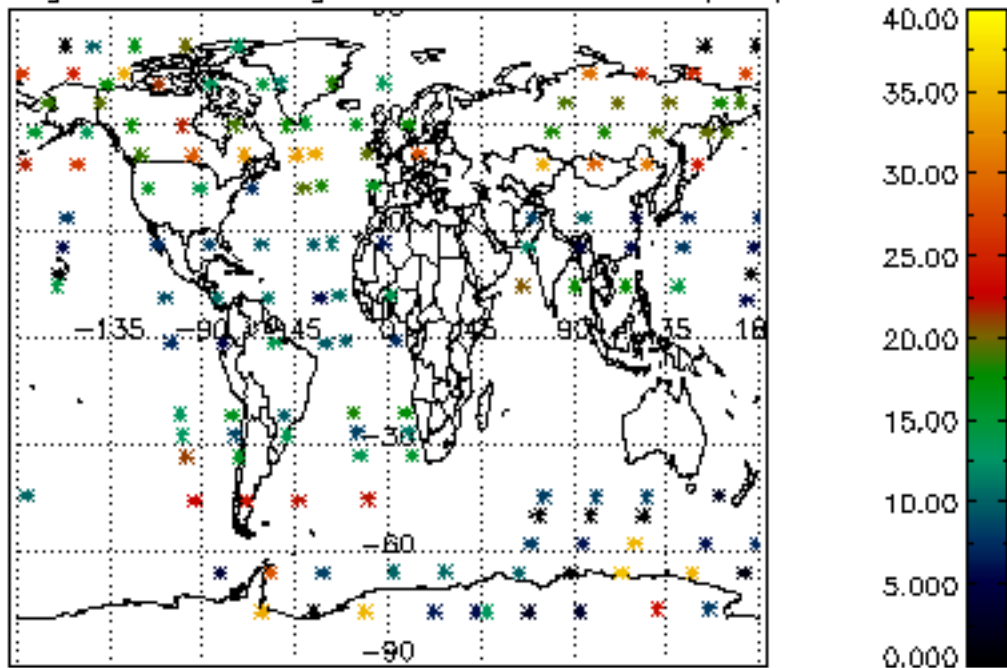
Percentage of cosmic ray hits per profile



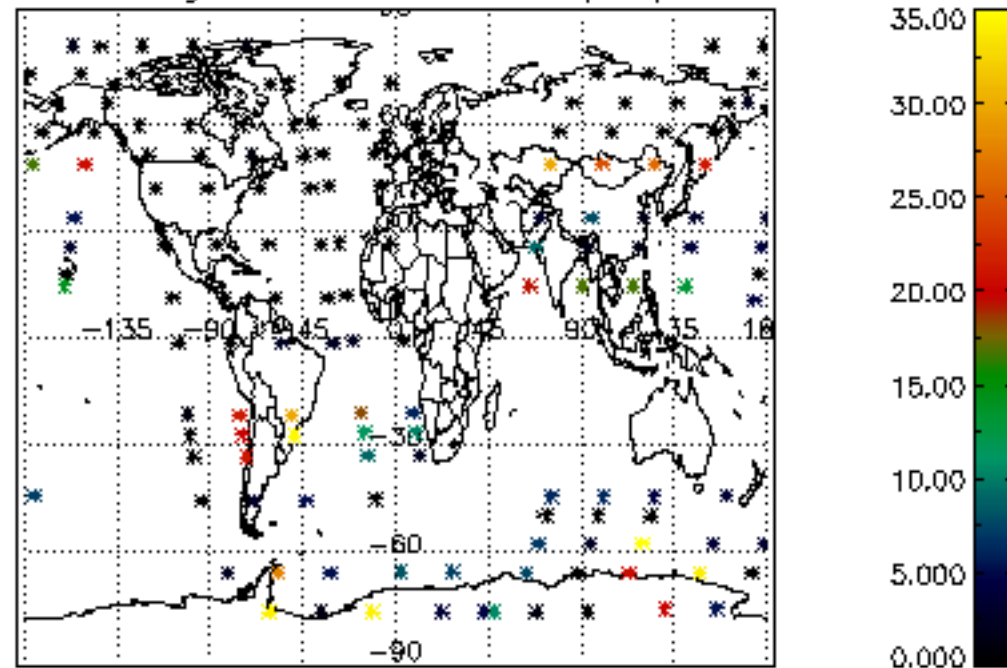
Percentage of datation errors per profile



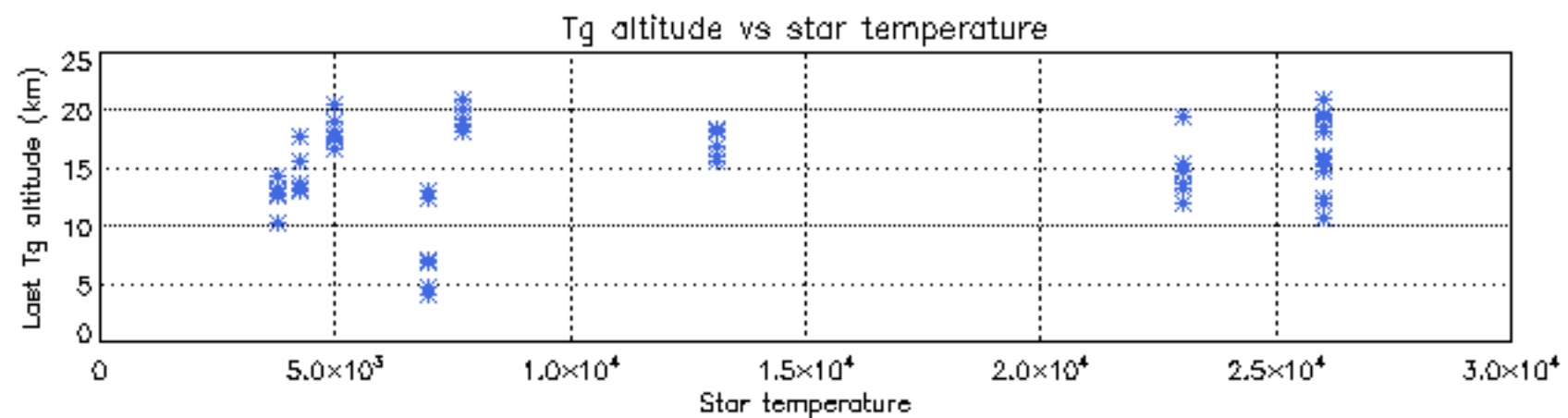
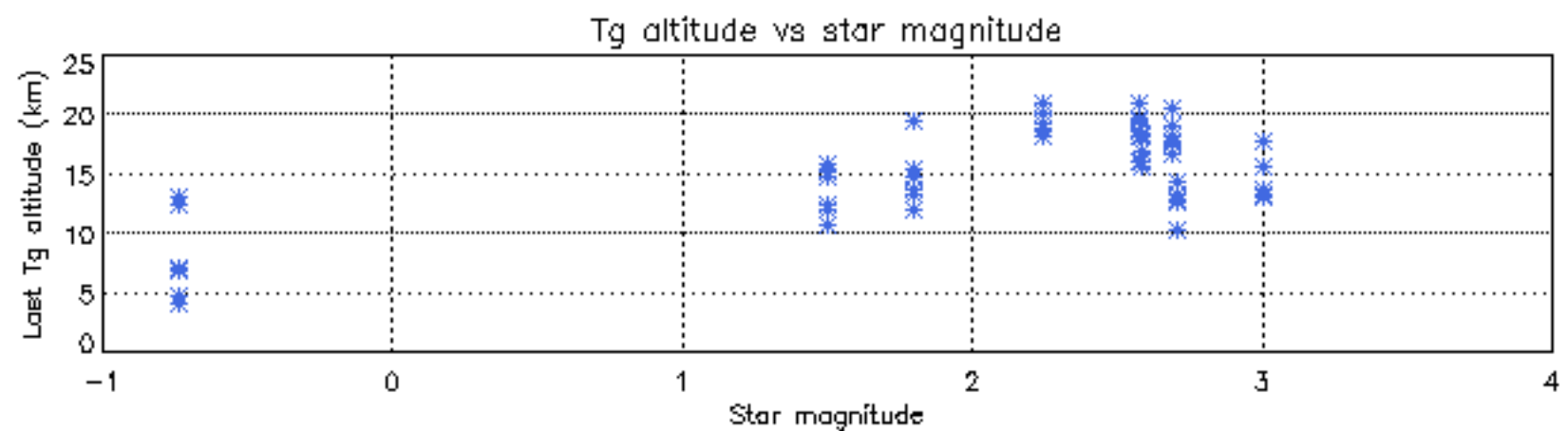
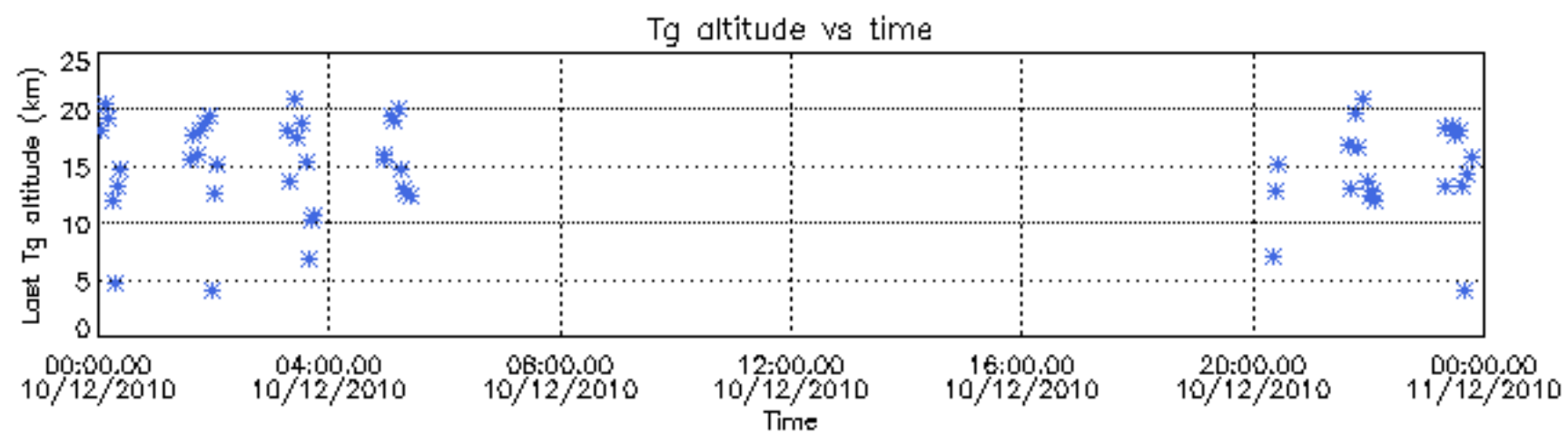
Percentage of star falling outside central band per profile



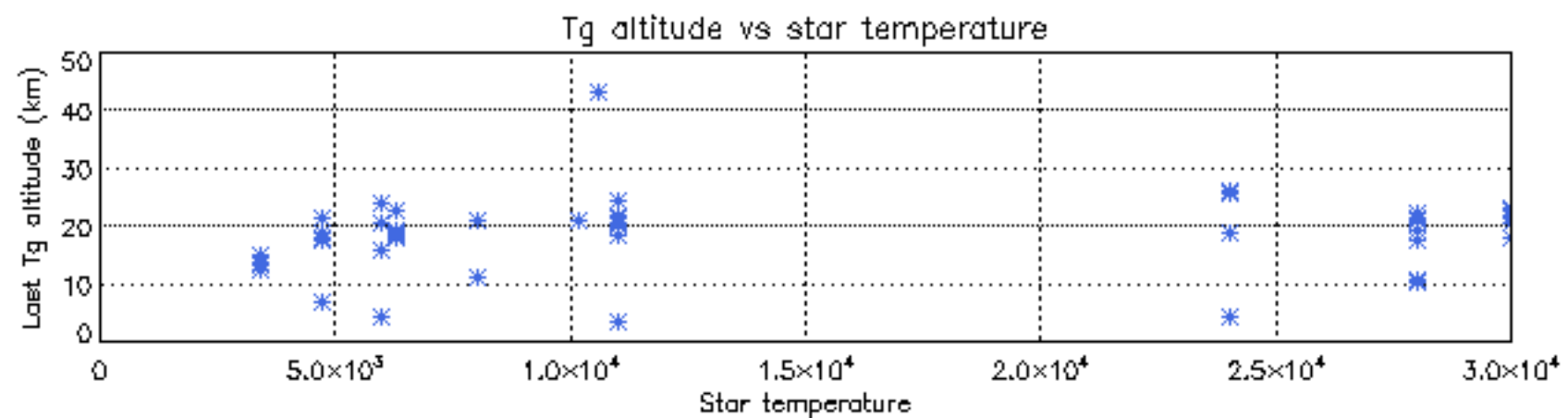
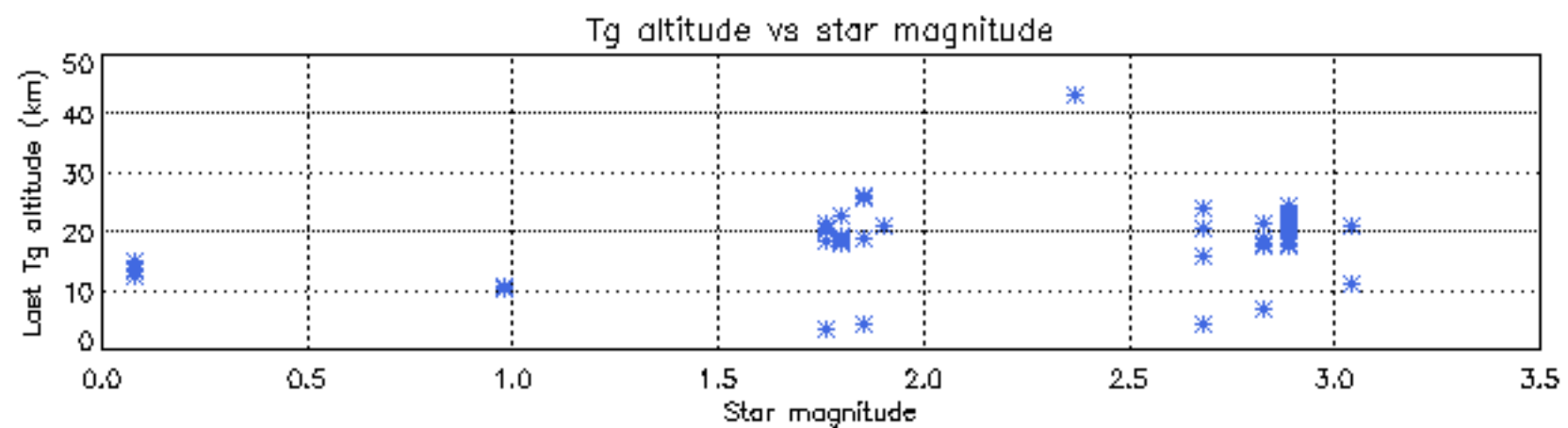
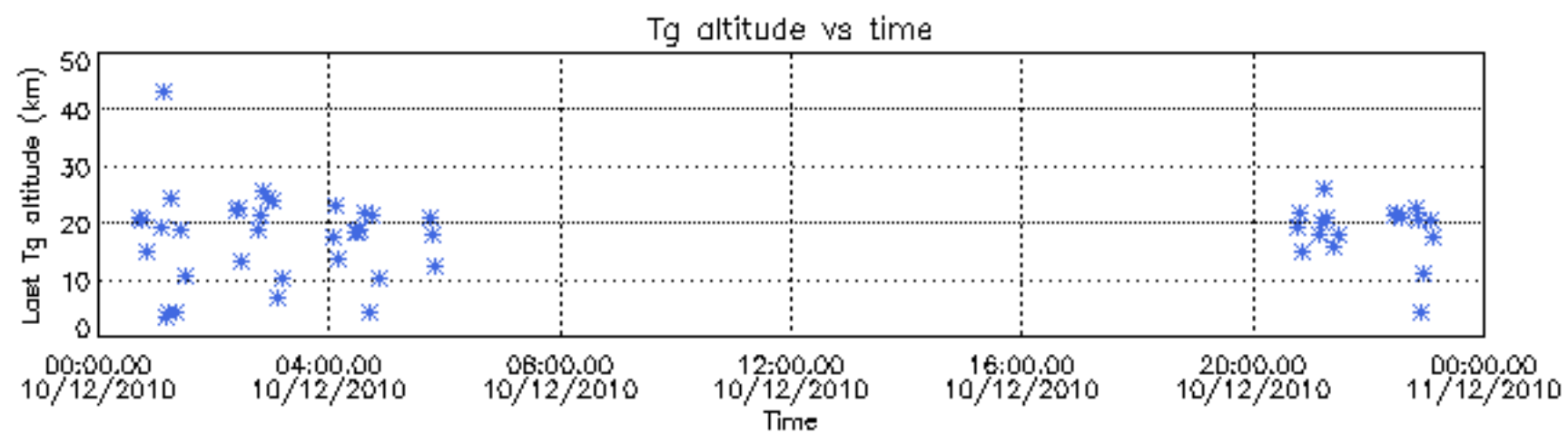
Percentage of saturation errors per profile



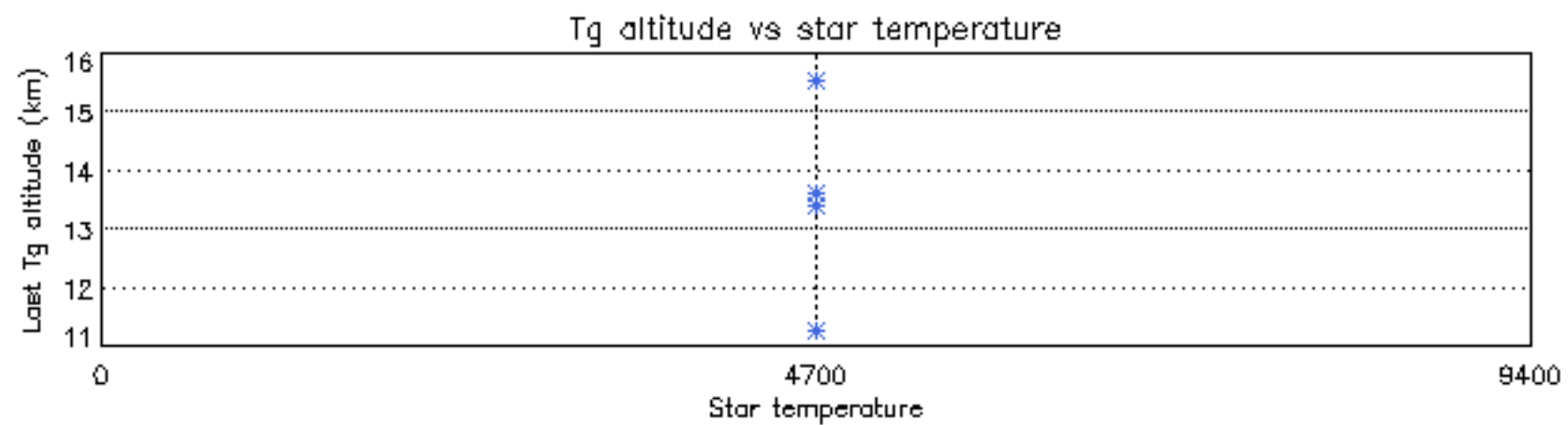
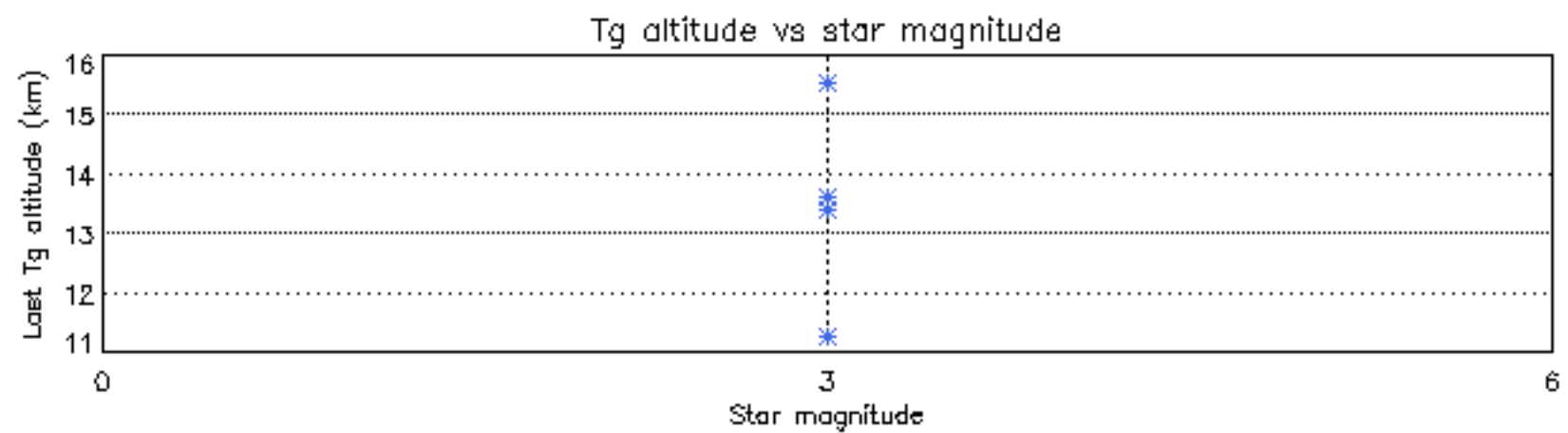
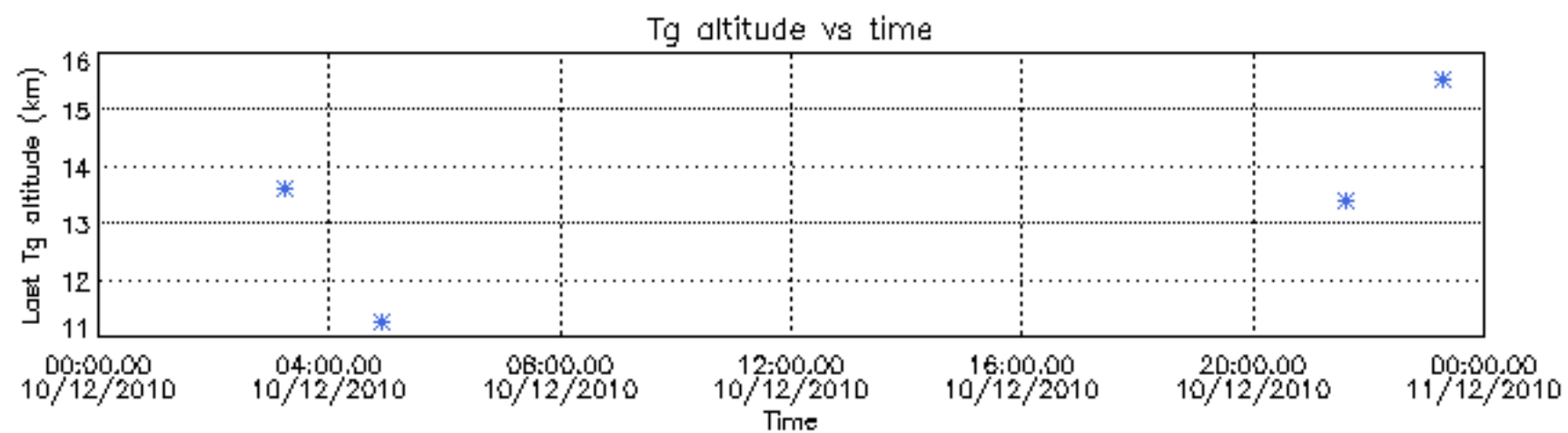
Tangent altitude at which the star is lost

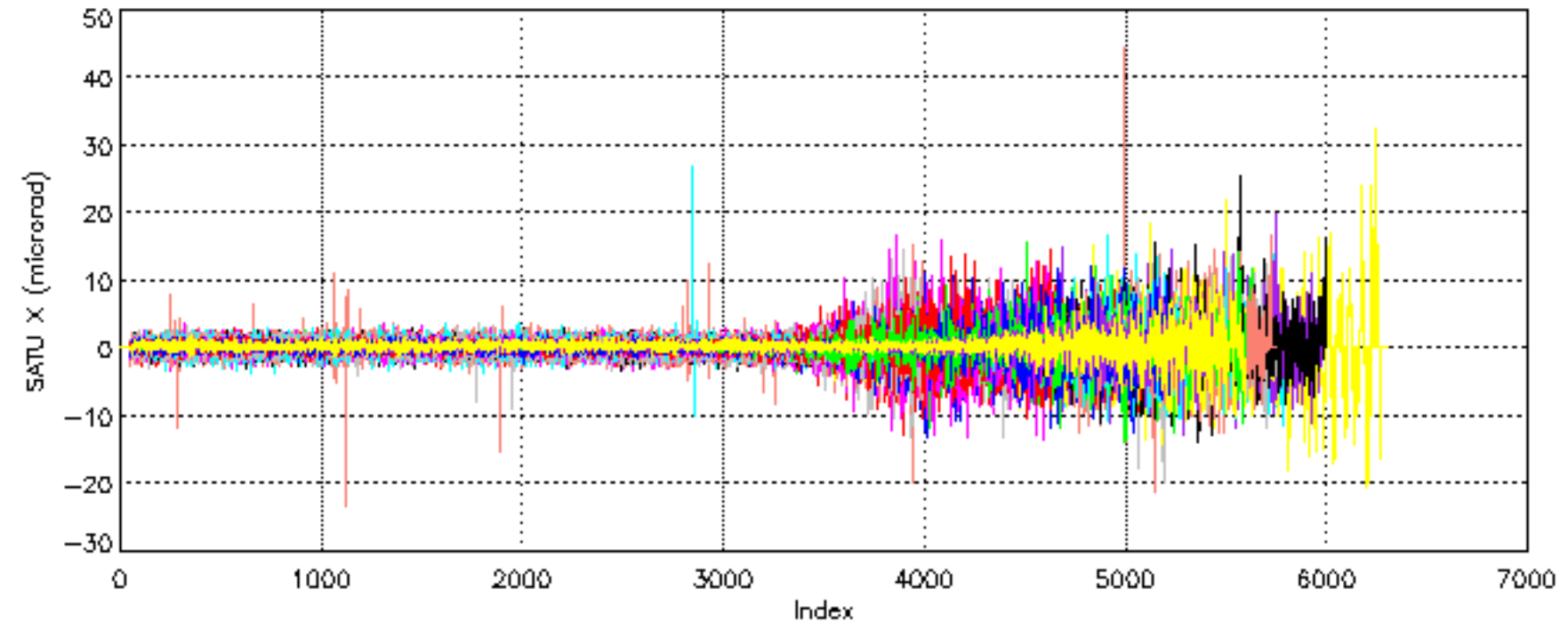


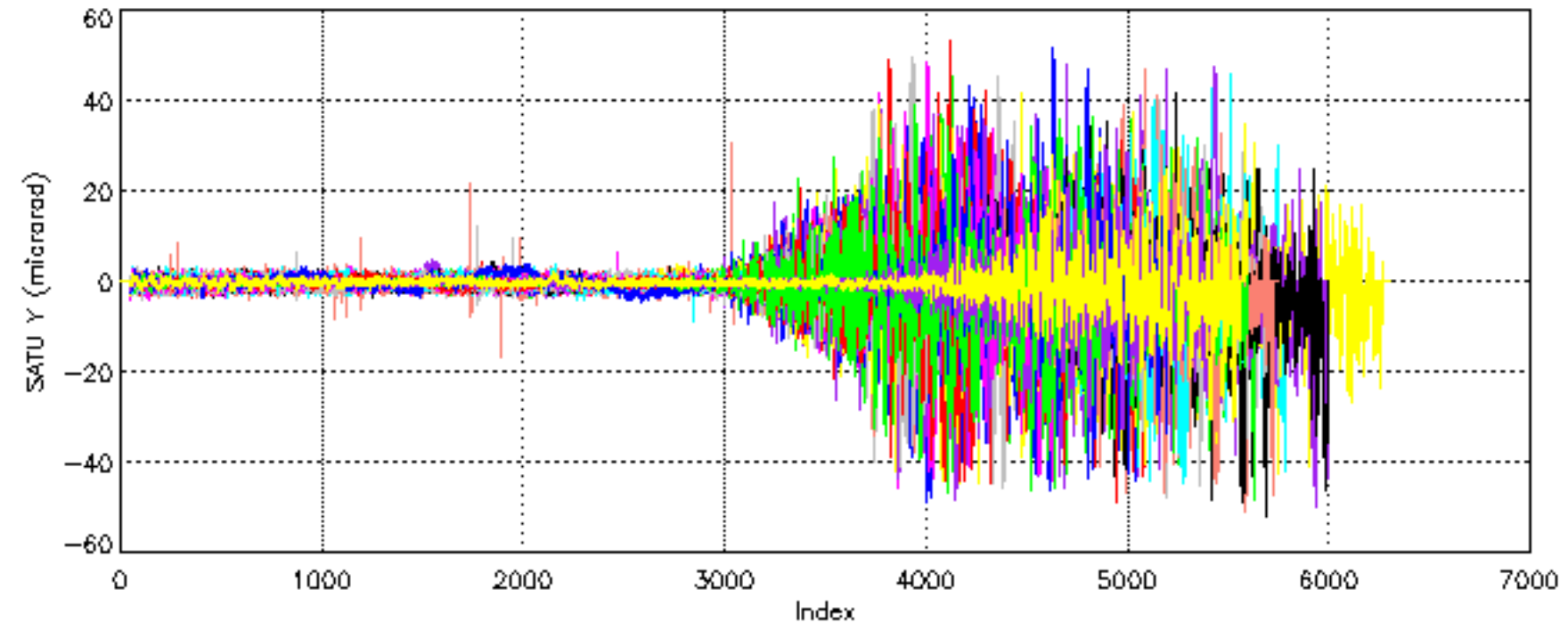
Tangent altitude at which the star is lost

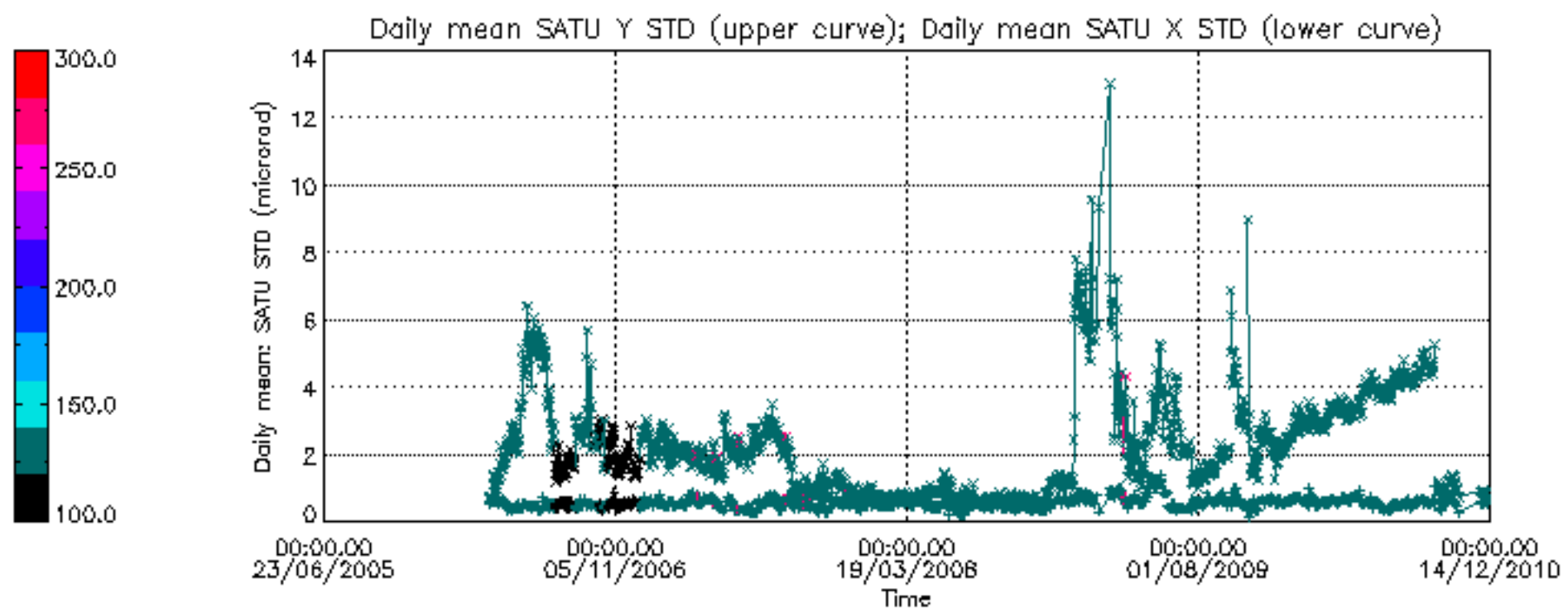


Tangent altitude at which the star is lost









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 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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 3; -2027.7; 06-DEC-2010 06:56:15; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45839
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 13; 4120.3; 06-DEC-2010 08:38:43; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;45840
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 15; 4669.4; 06-DEC-2010 08:47:52; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;45840
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 24; 6982.9; 06-DEC-2010 09:26:26; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45841
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 24; 6497.4; 07-DEC-2010 15:22:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45859
 25; 6690.5; 07-DEC-2010 15:25:46; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45859
 26; 6858.9; 07-DEC-2010 15:28:34; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;45859
 27; 6995.8; 07-DEC-2010 15:30:51; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;45859
 28; 7232.1; 07-DEC-2010 15:34:48; Dark ; 46.5; 108; Alp Col ; 2.65; 15200;occ; 93; 0;45859

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2;	1735.8;	07-DEC-2010	15:43:25;	Dark	;	53.5;	7;	19Bet Ori	;	0.10;	14000;occ;	107;	0;	45859
3;	1891.2;	07-DEC-2010	15:46:01;	Dark	;	55.5;	30;	46Eps Ori	;	1.69;	30000;occ;	111;	0;	45859
4;	2042.4;	07-DEC-2010	15:48:32;	Dark	;	55.5;	27;	24Gam Ori	;	1.64;	26000;occ;	111;	0;	45859
5;	2192.9;	07-DEC-2010	15:51:02;	Dark	;	58.0;	13;	87Alp Tau	;	0.87;	3800;occ;	116;	0;	45859
6;	2305.6;	07-DEC-2010	15:52:55;	Bright;		37.5;	146;	25Eta Tau	;	2.87;	15200;occ;	75;	0;	45859
7;	2441.0;	07-DEC-2010	15:55:11;	Bright;		38.0;	150;	44Zet Per	;	2.89;	28000;occ;	76;	0;	45859
8;	2521.4;	07-DEC-2010	15:56:31;	Bright;		43.5;	114;	3Iot Aur	;	2.69;	4600;occ;	87;	0;	45859
9;	2708.8;	07-DEC-2010	15:59:38;	Bright;		36.5;	175;	39Del Per	;	3.01;	19400;occ;	73;	0;	45859
10;	2858.9;	07-DEC-2010	16:02:08;	Bright;		49.0;	42;	34Bet Aur	;	1.90;	10200;occ;	98;	0;	45859
11;	3765.0;	07-DEC-2010	16:17:15;	Bright;		66.0;	36;	50Alp UMa	;	1.80;	6300;occ;	132;	0;	45859
12;	3857.0;	07-DEC-2010	16:18:46;	Bright;		49.5;	82;	48Bet UMa	;	2.37;	10600;occ;	99;	0;	45859
13;	3983.6;	07-DEC-2010	16:20:53;	Bright;		41.5;	32;	77Eps UMa	;	1.76;	11000;occ;	83;	0;	45859
14;	4120.4;	07-DEC-2010	16:23:10;	Bright;		39.5;	39;	85Eta UMa	;	1.85;	24000;occ;	79;	0;	45859
15;	4330.7;	07-DEC-2010	16:26:40;	Bright;		40.5;	152;	12Alp2CVn	;	2.89;	11000;occ;	81;	0;	45859
16;	4674.2;	07-DEC-2010	16:32:24;	Bright;		56.0;	111;	8Eta Boo	;	2.68;	6000;occ;	112;	0;	45859
17;	4876.5;	07-DEC-2010	16:35:46;	Bright;		43.0;	138;	47Eps Vir	;	2.83;	4700;occ;	86;	0;	45859
18;	5158.1;	07-DEC-2010	16:40:28;	Dark	;	53.0;	121;	29Gam Vir	;	2.74;	7200;occ;	106;	0;	45859
19;	5433.5;	07-DEC-2010	16:45:03;	Dark	;	43.0;	169;	46Gam Hya	;	2.99;	4700;occ;	86;	0;	45859
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21;	5615.4;	07-DEC-2010	16:48:05;	Dark	;	52.5;	171;	2Eps Crv	;	3.00;	4250;occ;	105;	0;	45859
22;	5970.1;	07-DEC-2010	16:54:00;	Dark	;	41.0;	99;	Del Cen	;	2.58;	26000;occ;	82;	0;	45859
23;	6173.1;	07-DEC-2010	16:57:23;	Dark	;	44.5;	113;	Mu Vel	;	2.69;	5000;occ;	89;	0;	45860
24;	6498.3;	07-DEC-2010	17:02:48;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	45860
25;	6691.5;	07-DEC-2010	17:06:01;	Dark	;	48.5;	34;	Gam2Vel	;	1.79;	23000;occ;	97;	0;	45860
26;	6859.4;	07-DEC-2010	17:08:49;	Dark	;	49.0;	2;	Alp Car	;	-0.74;	7000;occ;	98;	0;	45860
27;	6996.5;	07-DEC-2010	17:11:06;	Dark	;	56.0;	117;	Pi Pup	;	2.71;	3800;occ;	112;	0;	45860

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3;	1537.3;	07-DEC-2010	17:20:21;	Dark	;	50.5;	101;	11Alp Lep	;	2.58;	7000;occ;	101;	0;	45860
4;	1735.9;	07-DEC-2010	17:23:39;	Dark	;	55.0;	7;	19Bet Ori	;	0.10;	14000;occ;	110;	0;	45860
5;	1891.1;	07-DEC-2010	17:26:15;	Dark	;	55.5;	30;	46Eps Ori	;	1.69;	30000;occ;	111;	0;	45860
6;	2042.2;	07-DEC-2010	17:28:46;	Dark	;	55.0;	27;	24Gam Ori	;	1.64;	26000;occ;	110;	0;	45860
7;	2192.5;	07-DEC-2010	17:31:16;	Dark	;	58.0;	13;	87Alp Tau	;	0.87;	3800;occ;	116;	0;	45860
8;	2305.4;	07-DEC-2010	17:33:09;	Bright;		38.0;	146;	25Eta Tau	;	2.87;	15200;occ;	76;	0;	45860
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10;	2520.9;	07-DEC-2010	17:36:44;	Bright;		43.0;	114;	3Iot Aur	;	2.69;	4600;occ;	86;	0;	45860
11;	2708.7;	07-DEC-2010	17:39:52;	Bright;		35.5;	175;	39Del Per	;	3.01;	19400;occ;	71;	0;	45860
12;	2857.9;	07-DEC-2010	17:42:21;	Bright;		47.5;	42;	34Bet Aur	;	1.90;	10200;occ;	95;	0;	45860
13;	3764.6;	07-DEC-2010	17:57:28;	Bright;		45.0;	36;	50Alp UMa	;	1.80;	6300;occ;	90;	0;	45860
14;	3856.5;	07-DEC-2010	17:59:00;	Bright;		48.0;	82;	48Bet UMa	;	2.37;	10600;occ;	96;	0;	45860
15;	3983.4;	07-DEC-2010	18:01:07;	Bright;		42.5;	32;	77Eps UMa	;	1.76;	11000;occ;	85;	0;	45860
16;	4120.4;	07-DEC-2010	18:03:24;	Bright;		40.0;	39;	85Eta UMa	;	1.85;	24000;occ;	80;	0;	45860
17;	4330.9;	07-DEC-2010	18:06:55;	Bright;		40.5;	152;	12Alp2CVn	;	2.89;	11000;occ;	81;	0;	45860
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19;	4876.9;	07-DEC-2010	18:16:01;	Bright;		45.5;	138;	47Eps Vir	;	2.83;	4700;occ;	91;	0;	45860
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21;	5434.0;	07-DEC-2010	18:25:18;	Dark	;	43.5;	169;	46Gam Hya	;	2.99;	4700;occ;	87;	0;	45860
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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
24;	5970.6;	07-DEC-2010	18:34:14;	Dark	;	40.5;	99;	Del Cen	;	2.58;	26000;occ;	81;	0;	45860
25;	6173.8;	07-DEC-2010	18:37:37;	Dark	;	44.5;	113;	Mu Vel	;	2.69;	5000;occ;	89;	0;	45861
26;	6499.0;	07-DEC-2010	18:43:03;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	45861
27;	6692.2;	07-DEC-2010	18:46:16;	Dark	;	48.5;	34;	Gam2Vel	;	1.79;	23000;occ;	97;	0;	45861
28;	6859.9;	07-DEC-2010	18:49:03;	Dark	;	49.0;	2;	Alp Car	;	-0.74;	7000;occ;	98;	0;	45861
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3;	1537.4;	07-DEC-2010	19:00:35;	Dark	;	50.5;	101;	11Alp Lep	;	2.58;	7000;occ;	101;	0;	45861
4;	1735.8;	07-DEC-2010	19:03:54;	Dark	;	54.0;	7;	19Bet Ori	;	0.10;	14000;occ;	108;	0;	45861
5;	1890.7;	07-DEC-2010	19:06:28;	Dark	;	52.0;	30;	46Eps Ori	;	1.69;	30000;occ;	104;	0;	45861
6;	2041.8;	07-DEC-2010	19:09:00;	Dark	;	53.0;	27;	24Gam Ori	;	1.64;	26000;occ;	106;	0;	45861
7;	2192.4;	07-DEC-2010	19:11:30;	Dark	;	58.0;	13;	87Alp Tau	;	0.87;	3800;occ;	116;	0;	45861
8;	2305.4;	07-DEC-2010	19:13:23;	Bright;		37.5;	146;	25Eta Tau	;	2.87;	15200;occ;	75;	0;	45861
9;	2440.9;	07-DEC-2010	19:15:39;	Bright;		38.0;	150;	44Zet Per	;	2.89;	28000;occ;	76;	0;	45861

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15; 3983.3; 07-DEC-2010 19:41:21; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;45861
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17; 4330.7; 07-DEC-2010 19:47:08; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;45861
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19; 4877.4; 07-DEC-2010 19:56:15; Bright; 46.5; 138; 47Eps Vir ; 2.83; 4700;occ; 93; 0;45861
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22; 5521.0; 07-DEC-2010 20:06:59; Dark ; 50.0; 100; 4Gam Crv ; 2.58; 13100;occ; 100; 0;45861
23; 5617.4; 07-DEC-2010 20:08:35; Dark ; 55.0; 171; 2Eps Crv ; 3.00; 4250;occ; 110; 0;45861
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4; -1893.8; 09-DEC-2010 06:48:33; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;45882
5; -1682.7; 09-DEC-2010 06:52:04; Bright; 43.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 87; 0;45882
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9; -567.3; 09-DEC-2010 07:10:39; Dark ; 44.0; 169; 46Gam Hya ; 2.99; 4700;occ; 88; 0;45882
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11; -374.8; 09-DEC-2010 07:13:51; Dark ; 56.5; 171; 2Eps Crv ; 3.00; 4250;occ; 113; 0;45882
12; -30.0; 09-DEC-2010 07:19:36; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;45882
13; 178.4; 09-DEC-2010 07:23:05; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45883
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16; 695.8; 09-DEC-2010 07:31:42; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;45883
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17; 861.9; 10-DEC-2010 06:57:45; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;45897
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19; 1214.3; 10-DEC-2010 07:03:37; Dark ; 58.5; 23; 21Eps CMa ; 1.50; 26000;occ; 117; 0;45897
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9; 3838.7; 10-DEC-2010 07:47:21; Bright; 32.0; 82; 48Bet UMa ; 2.37; 10600;occ; 64; 0;45897
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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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26; 4116.7; 16-DEC-2010 00:51:09; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;45979
 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
 30; 4943.7; 16-DEC-2010 01:04:56; Bright; 53.5; 138; 47Eps Vir ; 2.83; 4700;occ; 107; 0;45979
 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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 14; 253.3; 15-DEC-2010 07:04:26; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;45969
 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
 17; 760.6; 15-DEC-2010 07:12:53; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;45969
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 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
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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
 20; 5741.7; 15-DEC-2010 08:35:54; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;45969
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 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
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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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 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
17; 5504.5; 15-DEC-2010 10:12:11; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 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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21; 6269.2; 15-DEC-2010 10:24:56; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;45971
22; 6498.5; 15-DEC-2010 10:28:45; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;45971
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
25; 6906.6; 15-DEC-2010 10:35:33; Dark ; 56.0; 2; Alp Car ;-0.74; 7000;occ; 112; 0;45971
26; 7067.3; 15-DEC-2010 10:38:14; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;45971
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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3; 1873.2; 15-DEC-2010 10:51:54; Dark ; 49.0; 30; 46Eps Ori ; 1.69; 30000;occ; 98; 0;45971
4; 2063.4; 15-DEC-2010 10:55:04; Dark ; 68.0; 14; 58Alp Ori ; 0.87; 3000;occ; 136; 0;45971
5; 2177.7; 15-DEC-2010 10:56:58; Dark ; 52.0; 13; 87Alp Tau ; 0.87; 3800;occ; 104; 0;45971
6; 2313.7; 15-DEC-2010 10:59:14; Bright; 48.5; 176; 23Zet Tau ; 3.02; 22000;occ; 97; 0;45971
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9; 2783.1; 15-DEC-2010 11:07:04; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;45971
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11; 3943.0; 15-DEC-2010 11:26:23; Bright; 47.0; 87; 64Gam UMa ; 2.43; 11000;occ; 94; 0;45971
12; 4117.1; 15-DEC-2010 11:29:18; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;45971
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
20; 5744.2; 15-DEC-2010 11:56:25; Dark ; 57.0; 171; 2Eps Crv ; 3.00; 4250;occ; 114; 0;45971
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
24; 6585.6; 15-DEC-2010 12:10:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45972
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27; 7067.9; 15-DEC-2010 12:18:28; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;45972
28; 7263.4; 15-DEC-2010 12:21:44; Dark ; 55.5; 23; 21Eps CMa ; 1.50; 26000;occ; 111; 0;45972
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4; 2063.1; 15-DEC-2010 12:35:17; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;45972
5; 2177.7; 15-DEC-2010 12:37:12; Dark ; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;45972
6; 2313.3; 15-DEC-2010 12:39:28; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;45972
7; 2436.0; 15-DEC-2010 12:41:30; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45972
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14; 4507.9; 15-DEC-2010 13:16:02; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45972
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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22; 6042.7; 15-DEC-2010 13:41:37; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;45973
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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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13; 1202.1; 16-DEC-2010 01:42:49; Dark ; 26.0; 88; 31Eta CMA ; 2.45; 20000;occ; 52; 0;45980
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26; 4115.6; 16-DEC-2010 22:34:11; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;45992
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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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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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 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
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 9; -349.7; 16-DEC-2010 07:57:53; Dark ; 53.5; 106; 9Bet Crv ; 2.65; 5600;occ; 107; 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
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 14; 492.5; 16-DEC-2010 08:11:55; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;45984
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 18; 1060.8; 16-DEC-2010 08:21:24; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45984
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 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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 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
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 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

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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
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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
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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
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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
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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
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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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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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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
15; 4709.7; 16-DEC-2010 12:42:41; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;45986
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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
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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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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
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13; 4317.7; 16-DEC-2010 14:16:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45987
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20; 5765.4; 16-DEC-2010 14:40:30; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;45987
21; 5955.2; 16-DEC-2010 14:43:40; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;45987
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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
28; 7077.0; 16-DEC-2010 15:02:22; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;45988
29; 7270.2; 16-DEC-2010 15:05:35; Dark ; 51.5; 23; 21Eps CMa ; 1.50; 26000;occ; 103; 0;45988
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13; 4317.9; 16-DEC-2010 15:56:37; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;45988
14; 4510.7; 16-DEC-2010 15:59:50; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;45988
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 25; 4115.5; 17-DEC-2010 01:54:38; Bright; 43.0; 39; 85Eta UMa ; 1.85; 24000;occ; 86; 0;45994
 26; 4318.1; 17-DEC-2010 01:58:01; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;45994
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 9; 906.3; 17-DEC-2010 02:41:23; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;45995
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 3; -323.2; 18-DEC-2010 00:03:56; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;46007
 4; -46.4; 18-DEC-2010 00:08:33; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;46007
 5; 52.9; 18-DEC-2010 00:10:12; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;46008
 6; 288.1; 18-DEC-2010 00:14:07; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46008
 7; 507.2; 18-DEC-2010 00:17:47; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46008
 8; 598.3; 18-DEC-2010 00:19:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46008

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9; 787.7; 18-DEC-2010 00:22:27; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;46008
10; 915.8; 18-DEC-2010 00:24:35; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;46008
11; 1073.7; 18-DEC-2010 00:27:13; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;46008
12; 1264.1; 18-DEC-2010 00:30:23; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;46008
13; 1369.0; 18-DEC-2010 00:32:08; Dark ; 51.0; 179; 240mi2CMA ; 3.03; 24000;occ; 102; 0;46008
14; 1545.5; 18-DEC-2010 00:35:05; Dark ; 48.0; 1; 9Alp CMA ; -1.44; 11000;occ; 96; 0;46008
15; 1739.3; 18-DEC-2010 00:38:19; Dark ; 56.0; 7; 19Bet Ori ; 0.10; 14000;occ; 112; 0;46008
16; 1869.9; 18-DEC-2010 00:40:29; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;46008
17; 2051.7; 18-DEC-2010 00:43:31; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;46008
18; 2175.5; 18-DEC-2010 00:45:35; Dark ; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;46008
19; 2299.5; 18-DEC-2010 00:47:39; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;46008
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21; 2631.6; 18-DEC-2010 00:53:11; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;46008
22; 2762.5; 18-DEC-2010 00:55:22; Bright; 41.5; 42; 34Bet Aur ; 1.90; 10200;occ; 83; 0;46008
23; 3685.1; 18-DEC-2010 01:10:44; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;46008
24; 3955.0; 18-DEC-2010 01:15:14; Bright; 63.0; 32; 77Eps UMA ; 1.76; 11000;occ; 126; 0;46008
25; 4114.5; 18-DEC-2010 01:17:54; Bright; 43.0; 39; 85Eta UMA ; 1.85; 24000;occ; 86; 0;46008
26; 4319.3; 18-DEC-2010 01:21:19; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;46008
27; 4514.1; 18-DEC-2010 01:24:33; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;46008
28; 4716.6; 18-DEC-2010 01:27:56; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;46008
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3; -1898.7; 17-DEC-2010 06:55:20; Bright; 53.5; 39; 85Eta UMA ; 1.85; 24000;occ; 107; 0;45997
4; -1695.5; 17-DEC-2010 06:58:44; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;45997
5; -1501.8; 17-DEC-2010 07:01:57; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;45997
6; -1301.1; 17-DEC-2010 07:05:18; Bright; 58.5; 111; 8Eta Boo ; 2.68; 6000;occ; 117; 0;45997
7; -699.2; 17-DEC-2010 07:15:20; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;45997
8; -411.9; 17-DEC-2010 07:20:07; Dark ; 48.0; 163; 7Del Crv ; 2.94; 11000;occ; 96; 0;45997
9; -334.5; 17-DEC-2010 07:21:25; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;45997
10; -52.6; 17-DEC-2010 07:26:07; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;45997
11; 46.0; 17-DEC-2010 07:27:45; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;45998
12; 279.3; 17-DEC-2010 07:31:38; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45998
13; 501.0; 17-DEC-2010 07:35:20; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45998
14; 591.0; 17-DEC-2010 07:36:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45998
15; 781.1; 17-DEC-2010 07:40:00; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;45998
16; 908.7; 17-DEC-2010 07:42:08; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45998
17; 1068.3; 17-DEC-2010 07:44:47; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;45998
18; 1260.3; 17-DEC-2010 07:47:59; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;45998
19; 1365.9; 17-DEC-2010 07:49:45; Dark ; 49.0; 179; 240mi2CMA ; 3.03; 24000;occ; 98; 0;45998
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2; 1870.9; 17-DEC-2010 07:58:10; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;45998
3; 2054.8; 17-DEC-2010 08:01:14; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;45998
4; 2176.1; 17-DEC-2010 08:03:15; Dark ; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;45998
5; 2303.1; 17-DEC-2010 08:05:22; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45998
6; 2426.3; 17-DEC-2010 08:07:25; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;45998
7; 2637.3; 17-DEC-2010 08:10:56; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45998
8; 2768.0; 17-DEC-2010 08:13:07; Bright; 55.5; 42; 34Bet Aur ; 1.90; 10200;occ; 111; 0;45998
9; 3685.4; 17-DEC-2010 08:28:25; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;45998
10; 3957.6; 17-DEC-2010 08:32:57; Bright; 44.0; 32; 77Eps UMA ; 1.76; 11000;occ; 88; 0;45998
11; 4115.5; 17-DEC-2010 08:35:35; Bright; 41.0; 39; 85Eta UMA ; 1.85; 24000;occ; 82; 0;45998
12; 4318.5; 17-DEC-2010 08:38:58; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45998
13; 4512.3; 17-DEC-2010 08:42:11; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;45998
14; 4713.4; 17-DEC-2010 08:45:33; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;45998
15; 5315.7; 17-DEC-2010 08:55:35; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;45998
16; 5603.4; 17-DEC-2010 09:00:23; Dark ; 41.0; 163; 7Del Crv ; 2.94; 11000;occ; 82; 0;45998
17; 5680.8; 17-DEC-2010 09:01:40; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45998
18; 5962.1; 17-DEC-2010 09:06:21; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45998
19; 6060.7; 17-DEC-2010 09:08:00; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;45999
20; 6294.1; 17-DEC-2010 09:11:53; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45999
21; 6515.8; 17-DEC-2010 09:15:35; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45999
22; 6605.7; 17-DEC-2010 09:17:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45999
23; 6795.8; 17-DEC-2010 09:20:15; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;45999
24; 6923.4; 17-DEC-2010 09:22:23; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;45999
25; 7082.9; 17-DEC-2010 09:25:02; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45999
26; 7274.7; 17-DEC-2010 09:28:14; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;45999

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28; 7542.4; 17-DEC-2010 09:32:41; Dark ; 48.0; 47; 2Bet Cma ; 1.98; 28000;occ; 96; 0;45999
29; 7752.9; 17-DEC-2010 09:36:12; Dark ; 13.5; 7; 19Bet Ori ; 0.10; 14000;occ; 27; 0;45999
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3; 2054.4; 17-DEC-2010 09:41:28; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;45999
4; 2176.1; 17-DEC-2010 09:43:29; Dark ; 45.5; 13; 87Alp Tau ; 0.87; 3800;occ; 91; 0;45999
5; 2302.7; 17-DEC-2010 09:45:36; Bright; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;45999
6; 2425.7; 17-DEC-2010 09:47:39; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45999
7; 2636.6; 17-DEC-2010 09:51:10; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45999
8; 2767.4; 17-DEC-2010 09:53:21; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45999
9; 3685.4; 17-DEC-2010 10:08:39; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;45999
10; 3957.4; 17-DEC-2010 10:13:11; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;45999
11; 4115.2; 17-DEC-2010 10:15:48; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;45999
12; 4318.5; 17-DEC-2010 10:19:12; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45999
13; 4512.5; 17-DEC-2010 10:22:26; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;45999
14; 4713.7; 17-DEC-2010 10:25:47; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;45999
15; 5316.4; 17-DEC-2010 10:35:50; Dark ; 53.5; 15; 67Alp Vir ; 0.98; 28000;occ; 107; 0;45999
16; 5604.5; 17-DEC-2010 10:40:38; Dark ; 41.0; 163; 7Del Crv ; 2.94; 11000;occ; 82; 0;45999
17; 5681.8; 17-DEC-2010 10:41:55; Dark ; 55.5; 106; 9Bet Crv ; 2.65; 5600;occ; 111; 0;45999
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19; 6061.4; 17-DEC-2010 10:48:15; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;46000
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22; 6606.4; 17-DEC-2010 10:57:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46000
23; 6796.4; 17-DEC-2010 11:00:30; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;46000
24; 6924.0; 17-DEC-2010 11:02:37; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;46000
25; 7083.3; 17-DEC-2010 11:05:16; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;46000
26; 7275.1; 17-DEC-2010 11:08:28; Dark ; 52.5; 23; 21Eps Cma ; 1.50; 26000;occ; 105; 0;46000
27; 7380.3; 17-DEC-2010 11:10:13; Dark ; 51.0; 179; 240mi2Cma ; 3.03; 24000;occ; 102; 0;46000
28; 7558.7; 17-DEC-2010 11:13:12; Dark ; 24.5; 1; 9Alp Cma ; -1.44; 11000;occ; 49; 0;46000
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6; 2302.4; 17-DEC-2010 11:25:50; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;46000
7; 2425.4; 17-DEC-2010 11:27:53; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;46000
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9; 2766.7; 17-DEC-2010 11:33:34; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;46000
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12; 4115.2; 17-DEC-2010 11:56:02; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;46000
13; 4318.6; 17-DEC-2010 11:59:26; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;46000
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16; 5317.2; 17-DEC-2010 12:16:04; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;46000
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19; 5963.3; 17-DEC-2010 12:26:50; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;46000
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21; 6295.9; 17-DEC-2010 12:32:23; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46001
22; 6517.0; 17-DEC-2010 12:36:04; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46001
23; 6607.1; 17-DEC-2010 12:37:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46001
24; 6797.1; 17-DEC-2010 12:40:44; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;46001
25; 6924.7; 17-DEC-2010 12:42:52; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;46001
26; 7084.0; 17-DEC-2010 12:45:31; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;46001
27; 7275.5; 17-DEC-2010 12:48:43; Dark ; 54.5; 23; 21Eps Cma ; 1.50; 26000;occ; 109; 0;46001
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3; 1870.6; 17-DEC-2010 12:58:52; Dark ; 51.5; 30; 46Eps Ori ; 1.69; 30000;occ; 103; 0;46001
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12; 4115.2; 17-DEC-2010 13:36:16; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;46001
13; 4318.7; 17-DEC-2010 13:39:40; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;46001
14; 4512.8; 17-DEC-2010 13:42:54; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;46001
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16; 5318.1; 17-DEC-2010 13:56:19; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;46001
17; 5607.2; 17-DEC-2010 14:01:08; Dark ; 35.0; 163; 7Del Crv ; 2.94; 11000;occ; 70; 0;46001
18; 5684.0; 17-DEC-2010 14:02:25; Dark ; 54.5; 106; 9Bet Crv ; 2.65; 5600;occ; 109; 0;46001
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26; 7084.5; 17-DEC-2010 14:25:46; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;46002
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26; 6651.5; 21-DEC-2010 20:12:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46063
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13; 1386.6; 22-DEC-2010 01:26:00; Dark ; 50.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 101; 0;46066
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13; 552.3; 23-DEC-2010 05:36:04; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;46083
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26; 6863.8; 24-DEC-2010 16:45:56; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;46104
27; 6994.3; 24-DEC-2010 16:48:06; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;46104
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6;	567.5;	25-DEC-2010	01:02:24;	Dark	;	41.0;	71;	Iot Car	;	2.25;	7700;occ;	82;	0;	46109
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12;	1398.4;	25-DEC-2010	01:16:14;	Dark	;	48.0;	179;	240mi2CMa	;	3.03;	24000;occ;	96;	0;	46109
13;	1557.9;	25-DEC-2010	01:18:54;	Dark	;	55.0;	1;	9Alp CMa	;	-1.44;	11000;occ;	110;	0;	46109
14;	1746.8;	25-DEC-2010	01:22:03;	Dark	;	48.5;	7;	19Bet Ori	;	0.10;	14000;occ;	97;	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
20;	2690.9;	25-DEC-2010	01:37:47;	Bright;	;	42.5;	6;	13Alp Aur	;	0.08;	3400;occ;	85;	0;	46109
21;	3680.3;	25-DEC-2010	01:54:16;	Bright;	;	38.0;	60;	7Bet UMi	;	2.08;	3950;occ;	76;	0;	46109
22;	3926.7;	25-DEC-2010	01:58:23;	Bright;	;	47.0;	32;	77Eps UMa	;	1.76;	11000;occ;	94;	0;	46109
23;	4104.2;	25-DEC-2010	02:01:20;	Bright;	;	43.0;	39;	85Eta UMa	;	1.85;	24000;occ;	86;	0;	46109
24;	4326.4;	25-DEC-2010	02:05:02;	Bright;	;	37.5;	180;	27Gam Boo	;	3.04;	8000;occ;	75;	0;	46109
25;	4532.3;	25-DEC-2010	02:08:28;	Bright;	;	58.0;	83;		;	2.38;	11000;occ;	116;	0;	46109
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27; 4535.1; 26-DEC-2010 01:31:48; Bright; 58.0; 83; ; 2.38; 11000;occ; 116; 0;46123
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19; 6110.6; 31-DEC-2010 13:56:31; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;46203
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22; 6634.3; 31-DEC-2010 14:05:14; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46203
23; 6729.6; 31-DEC-2010 14:06:50; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;46203
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 27; 7175.5; 31-DEC-2010 15:54:30; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46204
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 10; 2677.9; 31-DEC-2010 16:19:46; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;46204
 11; 3672.5; 31-DEC-2010 16:36:21; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46204
 12; 3892.1; 31-DEC-2010 16:40:00; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;46204
 13; 4088.1; 31-DEC-2010 16:43:16; Bright; 46.5; 39; 85Eta UMa ; 1.85; 24000;occ; 93; 0;46204
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 16; 4745.4; 31-DEC-2010 16:54:14; Bright; 53.0; 3; 16Alp Boo ; -0.05; 4250;occ; 106; 0;46204
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 23; 6480.3; 31-DEC-2010 17:23:08; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46205
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 27; 7051.0; 31-DEC-2010 17:32:39; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;46205
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 23; 6221.9; 31-DEC-2010 18:59:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46206
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 26; 6749.9; 31-DEC-2010 19:07:52; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;46206
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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
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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
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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
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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