

GOMOS Daily Report 11-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	15DEC2010 05:13:06
Data source version	GOMOS/5.01
Start time of products	11DEC2010 00:02:07
Stop time of products	11DEC2010 23:57:39
Store outputs in DB	Yes
Nb of level 1b prods	150
Nb of prods with errors	3

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

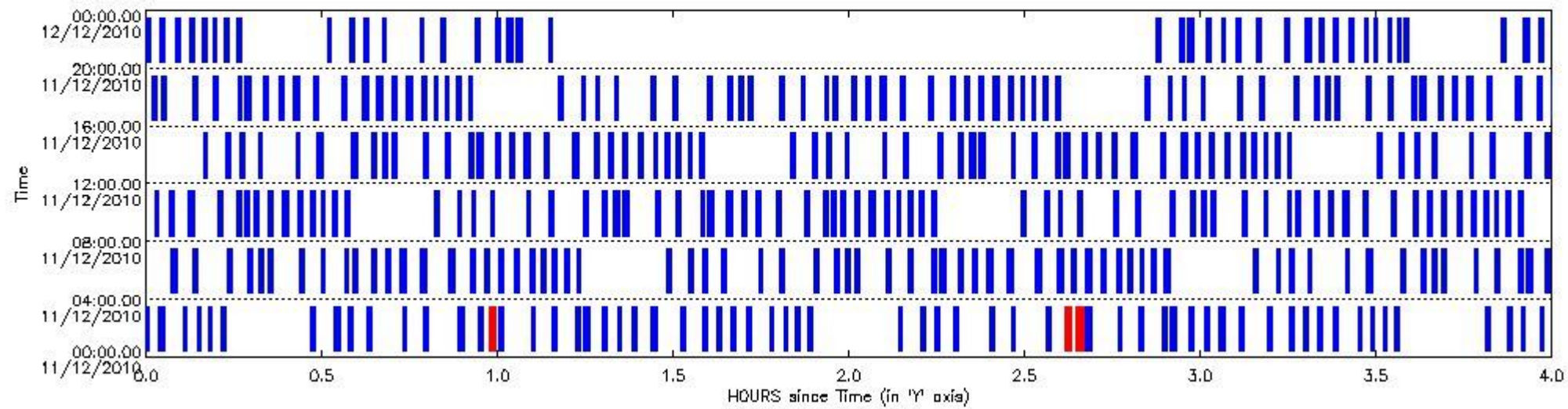
2.1 Level 0 products arrived in PCF (see template [here](#))

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
11-DEC-2010 00:58:29	4GamCrv	100	45907
11-DEC-2010 02:36:55	46GamHya	169	45908
11-DEC-2010 02:38:44	4GamCrv	100	45908

2.4 Summary of processed GOM_TRA_1P products

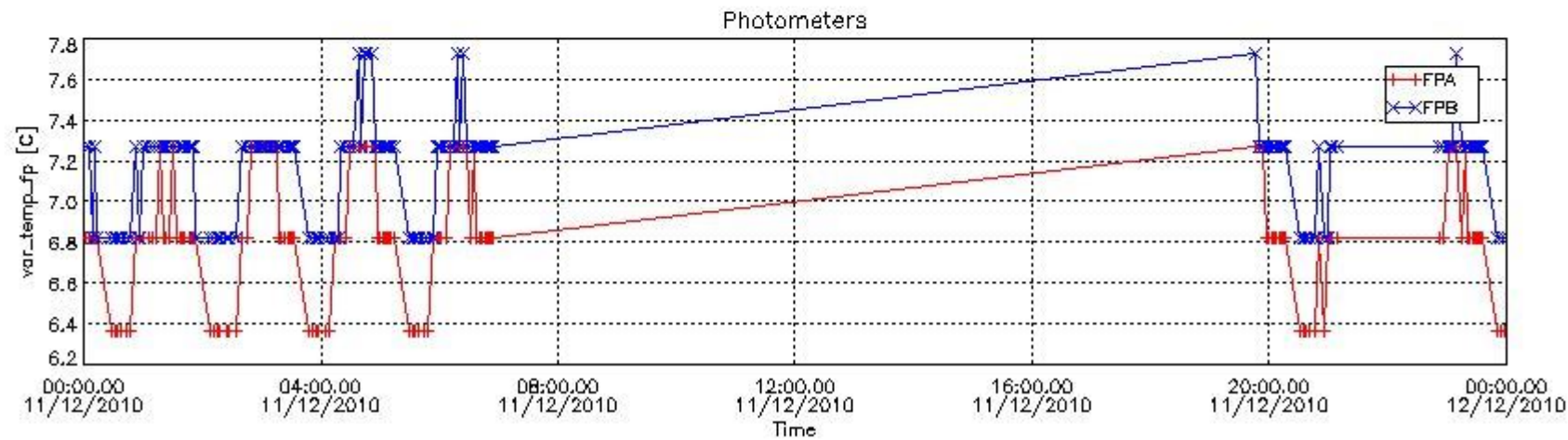
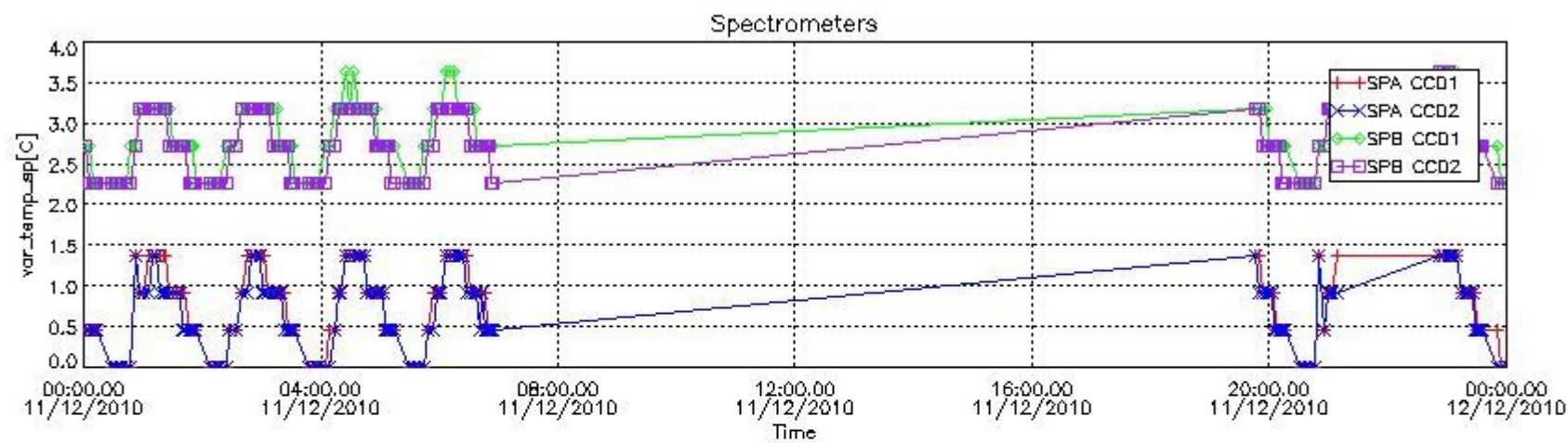
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101211_000207_000000533097_00203_45907_5820.N1	11-DEC-2010 00:02:07	Twilight_stray	53.000	13	87Alp Tau	0.86700	3800.0	106	45907	No
2	GOM_TRA_1PNPDE20101211_000620_000000373097_00203_45907_5821.N1	11-DEC-2010 00:06:20	Bright	36.500	150	44Zet Per	2.8900	28000.	73	45907	No
3	GOM_TRA_1PNPDE20101211_000840_000000363097_00203_45907_5822.N1	11-DEC-2010 00:08:40	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45907	No
4	GOM_TRA_1PNPDE20101211_001041_000000333097_00203_45907_5823.N1	11-DEC-2010 00:10:41	Twilight_stray	33.000	107	37The Aur	2.6490	11000.	66	45907	No
5	GOM_TRA_1PNPDE20101211_001247_000000463097_00203_45907_5824.N1	11-DEC-2010 00:12:47	Bright	46.000	42	34Bet Aur	1.9000	10200.	92	45907	No
6	GOM_TRA_1PNPDE20101211_002807_000000473097_00203_45907_5825.N1	11-DEC-2010 00:28:07	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	45907	No
7	GOM_TRA_1PNPDE20101211_003159_000000603097_00203_45907_5826.N1	11-DEC-2010 00:31:59	Bright	60.000	32	77Eps UMa	1.7630	11000.	120	45907	No
8	GOM_TRA_1PNPDE20101211_003422_000000563097_00203_45907_5827.N1	11-DEC-2010 00:34:22	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	45907	No

9	GOM_TRA_1PNPDE20101211_003733_000000543097_00203_45907_5828.N1	11-DEC-2010 00:37:33	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	45907	No
10	GOM_TRA_1PNPDE20101211_004349_000000393097_00203_45907_5829.N1	11-DEC-2010 00:43:49	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	45907	No
11	GOM_TRA_1PNPDE20101211_004724_000000483097_00203_45907_5830.N1	11-DEC-2010 00:47:24	Bright	47.500	138	47Eps Vir	2.8280	4700.0	95	45907	No
12	GOM_TRA_1PNPDE20101211_005317_000000603097_00203_45907_5847.N1	11-DEC-2010 00:53:17	Twilight	60.000	15	67Alp Vir	0.97600	28000.	120	45907	Yes
13	GOM_TRA_1PNPDE20101211_005645_000000433097_00203_45907_5848.N1	11-DEC-2010 00:56:45	Twilight	43.000	169	46Gam Hya	2.9910	4700.0	86	45907	No
14	GOM_TRA_1PNPDE20101211_010010_000000563097_00203_45907_5849.N1	11-DEC-2010 01:00:10	Dark	56.000	171	2Eps Crv	3.0010	4250.0	112	45907	No
15	GOM_TRA_1PNPDE20101211_010542_000000423097_00203_45907_5850.N1	11-DEC-2010 01:05:42	Dark	42.000	99	Del Cen	2.5750	26000.	84	45907	No
16	GOM_TRA_1PNPDE20101211_010917_000000473097_00204_45908_5851.N1	11-DEC-2010 01:09:17	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	45908	No
17	GOM_TRA_1PNPDE20101211_011322_000000413097_00204_45908_5852.N1	11-DEC-2010 01:13:22	Dark	41.000	71	lot Car	2.2460	7700.0	82	45908	No
18	GOM_TRA_1PNPDE20101211_011752_000000473097_00204_45908_5853.N1	11-DEC-2010 01:17:52	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	45908	No
19	GOM_TRA_1PNPDE20101211_012024_000000483097_00204_45908_5854.N1	11-DEC-2010 01:20:24	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	45908	No
20	GOM_TRA_1PNPDE20101211_012252_000000543097_00204_45908_5855.N1	11-DEC-2010 01:22:52	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	45908	No
21	GOM_TRA_1PNPDE20101211_012617_000000603097_00204_45908_5856.N1	11-DEC-2010 01:26:17	Straylight	60.000	23	21Eps CMa	1.5020	26000.	120	45908	No
22	GOM_TRA_1PNPDE20101211_013112_000000563097_00204_45908_5857.N1	11-DEC-2010 01:31:12	Straylight	55.500	47	2Bet CMa	1.9760	28000.	111	45908	No
23	GOM_TRA_1PNPDE20101211_013453_000000543097_00204_45908_5858.N1	11-DEC-2010 01:34:53	Straylight	53.500	7	19Bet Ori	0.10000	14000.	107	45908	No
24	GOM_TRA_1PNPDE20101211_013719_000000523097_00204_45908_5859.N1	11-DEC-2010 01:37:19	Straylight	51.500	30	46Eps Ori	1.6940	30000.	103	45908	No
25	GOM_TRA_1PNPDE20101211_013945_000000533097_00204_45908_5860.N1	11-DEC-2010 01:39:45	Twilight	53.000	27	24Gam Ori	1.6360	26000.	106	45908	No
26	GOM_TRA_1PNPDE20101211_014221_000000513097_00204_45908_5861.N1	11-DEC-2010 01:42:21	Twilight	50.500	13	87Alp Tau	0.86700	3800.0	101	45908	No
27	GOM_TRA_1PNPDE20101211_014634_000000363097_00204_45908_5862.N1	11-DEC-2010 01:46:34	Bright	36.000	150	44Zet Per	2.8900	28000.	72	45908	No
28	GOM_TRA_1PNPDE20101211_014854_000000363097_00204_45908_5863.N1	11-DEC-2010 01:48:54	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45908	No
29	GOM_TRA_1PNPDE20101211_015054_000000393097_00204_45908_5864.N1	11-DEC-2010 01:50:54	Bright	39.000	107	37The Aur	2.6490	11000.	78	45908	No
30	GOM_TRA_1PNPDE20101211_015300_000000453097_00204_45908_5865.N1	11-DEC-2010 01:53:00	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	45908	No
31	GOM_TRA_1PNPDE20101211_020820_000000473097_00204_45908_5866.N1	11-DEC-2010 02:08:20	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	45908	No
32	GOM_TRA_1PNPDE20101211_021213_000000433097_00204_45908_5867.N1	11-DEC-2010 02:12:13	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	45908	No
33	GOM_TRA_1PNPDE20101211_021436_000000563097_00204_45908_5868.N1	11-DEC-2010 02:14:36	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	45908	No
34	GOM_TRA_1PNPDE20101211_021747_000000543097_00204_45908_5869.N1	11-DEC-2010 02:17:47	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	45908	No
35	GOM_TRA_1PNPDE20101211_022404_000000383097_00204_45908_5870.N1	11-DEC-2010 02:24:04	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	45908	No
36	GOM_TRA_1PNPDE20101211_022738_000000483097_00204_45908_5871.N1	11-DEC-2010 02:27:38	Bright	47.500	138	47Eps Vir	2.8280	4700.0	95	45908	No
37	GOM_TRA_1PNPDE20101211_023331_000000513097_00204_45908_5872.N1	11-DEC-2010 02:33:31	Twilight	51.000	15	67Alp Vir	0.97600	28000.	102	45908	No
38	GOM_TRA_1PNPDE20101211_024025_000000543097_00204_45908_5873.N1	11-DEC-2010 02:40:25	Dark	53.500	171	2Eps Crv	3.0010	4250.0	107	45908	No
39	GOM_TRA_1PNPDE20101211_024557_000000413097_00204_45908_5874.N1	11-DEC-2010 02:45:57	Dark	40.500	99	Del Cen	2.5750	26000.	81	45908	No
40	GOM_TRA_1PNPDE20101211_024932_000000443097_00205_45909_5875.N1	11-DEC-2010 02:49:32	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	45909	No
41	GOM_TRA_1PNPDE20101211_025337_000000423097_00205_45909_5876.N1	11-DEC-2010 02:53:37	Dark	41.500	71	lot Car	2.2460	7700.0	83	45909	No
42	GOM_TRA_1PNPDE20101211_025807_000000493097_00205_45909_5877.N1	11-DEC-2010 02:58:07	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	45909	No
43	GOM_TRA_1PNPDE20101211_030038_000000563097_00205_45909_5878.N1	11-DEC-2010 03:00:38	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	45909	No
44	GOM_TRA_1PNPDE20101211_030306_000000593097_00205_45909_5879.N1	11-DEC-2010 03:03:06	Dark	59.000	117	Pi Pup	2.7060	3800.0	118	45909	No
45	GOM_TRA_1PNPDE20101211_030631_000000603097_00205_45909_5880.N1	11-DEC-2010 03:06:31	Straylight	59.500	23	21Eps CMa	1.5020	26000.	119	45909	No
46	GOM_TRA_1PNPDE20101211_031126_000000573097_00205_45909_5881.N1	11-DEC-2010 03:11:26	Straylight	56.500	47	2Bet CMa	1.9760	28000.	113	45909	No
47	GOM_TRA_1PNPDE20101211_031507_000000533097_00205_45909_5882.N1	11-DEC-2010 03:15:07	Straylight	53.000	7	19Bet Ori	0.10000	14000.	106	45909	No
48	GOM_TRA_1PNPDE20101211_031732_000000533097_00205_45909_5883.N1	11-DEC-2010 03:17:32	Straylight	52.500	30	46Eps Ori	1.6940	30000.	105	45909	No
49	GOM_TRA_1PNPDE20101211_031959_000000523097_00205_45909_5884.N1	11-DEC-2010 03:19:59	Twilight	52.000	27	24Gam Ori	1.6360	26000.	104	45909	No
50	GOM_TRA_1PNPDE20101211_032235_000000563097_00205_45909_5885.N1	11-DEC-2010 03:22:35	Twilight	56.000	13	87Alp Tau	0.86700	3800.0	112	45909	No
51	GOM_TRA_1PNPDE20101211_032656_000000303097_00205_45909_5886.N1	11-DEC-2010 03:26:56	Bright	29.500	150	44Zet Per	2.8900	28000.	59	45909	Yes
52	GOM_TRA_1PNPDE20101211_032908_000000363097_00205_45909_5887.N1	11-DEC-2010 03:29:08	Bright	36.000	149	45Eps Per	2.8880	30000.	72	45909	No
53	GOM_TRA_1PNPDE20101211_033108_000000393097_00205_45909_5888.N1	11-DEC-2010 03:31:08	Bright	39.000	107	37The Aur	2.6490	11000.	78	45909	No
54	GOM_TRA_1PNPDE20101211_033313_000000463097_00205_45909_5889.N1	11-DEC-2010 03:33:13	Bright	46.000	42	34Bet Aur	1.9000	10200.	92	45909	No
55	GOM_TRA_1PNPDE20101211_034834_000000483097_00205_45909_5882.N1	11-DEC-2010 03:48:34	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	45909	No
56	GOM_TRA_1PNPDE20101211_035227_000000433097_00205_45909_5883.N1	11-DEC-2010 03:52:27	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	45909	No
57	GOM_TRA_1PNPDE20101211_035451_000000393097_00205_45909_5884.N1	11-DEC-2010 03:54:51	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	45909	No
58	GOM_TRA_1PNPDE20101211_035801_000000373097_00205_45909_5885.N1	11-DEC-2010 03:58:01	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	45909	No
59	GOM_TRA_1PNPDE20101211_040418_000000573097_00205_45909_5886.N1	11-DEC-2010 04:04:18	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	45909	No
60	GOM_TRA_1PNPDE20101211_040753_000000533097_00205_45909_5887.N1	11-DEC-2010 04:07:53	Bright	53.000	138	47Eps Vir	2.8280	4700.0	106	45909	No
61	GOM_TRA_1PNPDE20101211_041346_000000523097_00205_45909_5888.N1	11-DEC-2010 04:13:46	Twilight	51.500	15	67Alp Vir	0.97600	28000.	103	45909	No
62	GOM_TRA_1PNPDE20101211_041714_000000453097_00205_45909_5889.N1	11-DEC-2010 04:17:14	Twilight	45.000	169	46Gam Hya	2.9910	4700.0	90	45909	No
63	GOM_TRA_1PNPDE20101211_041904_000000533097_00205_45909_5890.N1	11-DEC-2010 04:19:04	Dark	53.000	100	4Gam Crv	2.5800	13100.	106	45909	No
64	GOM_TRA_1PNPDE20101211_042040_000000533097_00205_45909_5891.N1	11-DEC-2010 04:20:40	Dark	53.000	171	2Eps Crv	3.0010	4250.0	106	45909	No
65	GOM_TRA_1PNPDE20101211_042612_000000423097_00205_45909_5892.N1	11-DEC-2010 04:26:12	Dark	41.500	99	Del Cen	2.5750	26000.	83	45909	No
66	GOM_TRA_1PNPDE20101211_042946_000000473097_00206_45910_5893.N1	11-DEC-2010 04:29:46	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	45910	No
67	GOM_TRA_1PNPDE20101211_043351_000000423097_00206_45910_5894.N1	11-DEC-2010 04:33:51	Dark	42.000	71	lot Car	2.2460	7700.0	84	45910	No

68	GOM_TRA_1PNPDE20101211_043822_000000523097_00206_45910_5895.N1	11-DEC-2010 04:38:22	Dark	52.000	34	Gam2Vel	1.7930	23000.	104	45910	No
69	GOM_TRA_1PNPDE20101211_044052_000000543097_00206_45910_5896.N1	11-DEC-2010 04:40:52	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	45910	No
70	GOM_TRA_1PNPDE20101211_044321_000000573097_00206_45910_5897.N1	11-DEC-2010 04:43:21	Dark	57.000	117	Pi Pup	2.7060	3800.0	114	45910	No
71	GOM_TRA_1PNPDE20101211_044646_000000603097_00206_45910_5898.N1	11-DEC-2010 04:46:46	Straylight	59.500	23	21Eps CMa	1.5020	26000.	119	45910	No
72	GOM_TRA_1PNPDE20101211_045140_000000583097_00206_45910_5899.N1	11-DEC-2010 04:51:40	Straylight	57.500	47	2Bet CMa	1.9760	28000.	115	45910	No
73	GOM_TRA_1PNPDE20101211_045521_000000523097_00206_45910_5900.N1	11-DEC-2010 04:55:21	Straylight	52.000	7	19Bet Ori	0.10000	14000.	104	45910	No
74	GOM_TRA_1PNPDE20101211_045746_000000543097_00206_45910_5901.N1	11-DEC-2010 04:57:46	Straylight	54.000	30	46Eps Ori	1.6940	30000.	108	45910	No
75	GOM_TRA_1PNPDE20101211_050013_000000523097_00206_45910_5902.N1	11-DEC-2010 05:00:13	Twilight	51.500	27	24Gam Ori	1.6360	26000.	103	45910	No
76	GOM_TRA_1PNPDE20101211_050249_000000493097_00206_45910_5903.N1	11-DEC-2010 05:02:49	Twilight	49.000	13	87Alp Tau	0.86700	3800.0	98	45910	No
77	GOM_TRA_1PNPDE20101211_050528_000000453097_00206_45910_5904.N1	11-DEC-2010 05:05:28	Bright	44.500	176	23Zet Tau	3.0200	22000.	89	45910	No
78	GOM_TRA_1PNPDE20101211_050729_000000443097_00206_45910_5905.N1	11-DEC-2010 05:07:29	Bright	44.000	28	12Bet Tau	1.6500	15200.	88	45910	No
79	GOM_TRA_1PNPDE20101211_050922_000000363097_00206_45910_5906.N1	11-DEC-2010 05:09:22	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45910	No
80	GOM_TRA_1PNPDE20101211_051121_000000453097_00206_45910_5907.N1	11-DEC-2010 05:11:21	Bright	45.000	107	37The Aur	2.6490	11000.	90	45910	No
81	GOM_TRA_1PNPDE20101211_051327_000000453097_00206_45910_5908.N1	11-DEC-2010 05:13:27	Bright	45.000	42	34Bet Aur	1.9000	10200.	90	45910	No
82	GOM_TRA_1PNPDE20101211_052848_000000473097_00206_45910_5903.N1	11-DEC-2010 05:28:48	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	45910	No
83	GOM_TRA_1PNPDE20101211_053240_000000433097_00206_45910_5904.N1	11-DEC-2010 05:32:40	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	45910	No
84	GOM_TRA_1PNPDE20101211_053504_000000383097_00206_45910_5905.N1	11-DEC-2010 05:35:04	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	45910	No
85	GOM_TRA_1PNPDE20101211_053815_000000533097_00206_45910_5906.N1	11-DEC-2010 05:38:15	Bright	53.000	180	27Gam Boo	3.0400	8000.0	106	45910	No
86	GOM_TRA_1PNPDE20101211_054432_000000403097_00206_45910_5907.N1	11-DEC-2010 05:44:32	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	45910	No
87	GOM_TRA_1PNPDE20101211_054807_000000493097_00206_45910_5908.N1	11-DEC-2010 05:48:07	Bright	49.000	138	47Eps Vir	2.8280	4700.0	98	45910	No
88	GOM_TRA_1PNPDE20101211_055401_000000493097_00206_45910_5909.N1	11-DEC-2010 05:54:01	Twilight	48.500	15	67Alp Vir	0.97600	28000.	97	45910	No
89	GOM_TRA_1PNPDE20101211_055729_000000463097_00206_45910_5910.N1	11-DEC-2010 05:57:29	Twilight	46.000	169	46Gam Hya	2.9910	4700.0	92	45910	No
90	GOM_TRA_1PNPDE20101211_055919_000000543097_00206_45910_5911.N1	11-DEC-2010 05:59:19	Dark	53.500	100	4Gam Crv	2.5800	13100.	107	45910	No
91	GOM_TRA_1PNPDE20101211_060055_000000543097_00206_45910_5912.N1	11-DEC-2010 06:00:55	Dark	54.000	171	2Eps Crv	3.0010	4250.0	108	45910	No
92	GOM_TRA_1PNPDE20101211_060627_000000423097_00206_45910_5913.N1	11-DEC-2010 06:06:27	Dark	41.500	99	Del Cen	2.5750	26000.	83	45910	No
93	GOM_TRA_1PNPDE20101211_061001_000000463097_00207_45911_5914.N1	11-DEC-2010 06:10:01	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	45911	No
94	GOM_TRA_1PNPDE20101211_061406_000000433097_00207_45911_5915.N1	11-DEC-2010 06:14:06	Dark	42.500	71	lot Car	2.2460	7700.0	85	45911	No
95	GOM_TRA_1PNPDE20101211_061836_000000523097_00207_45911_5916.N1	11-DEC-2010 06:18:36	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	45911	No
96	GOM_TRA_1PNPDE20101211_062107_000000473097_00207_45911_5917.N1	11-DEC-2010 06:21:07	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	45911	No
97	GOM_TRA_1PNPDE20101211_062336_000000623097_00207_45911_5918.N1	11-DEC-2010 06:23:36	Dark	62.000	117	Pi Pup	2.7060	3800.0	124	45911	No
98	GOM_TRA_1PNPDE20101211_062700_000000613097_00207_45911_5919.N1	11-DEC-2010 06:27:00	Straylight	61.000	23	21Eps CMa	1.5020	26000.	122	45911	No
99	GOM_TRA_1PNPDE20101211_063154_000000563097_00207_45911_5920.N1	11-DEC-2010 06:31:54	Straylight	56.000	47	2Bet CMa	1.9760	28000.	112	45911	No
100	GOM_TRA_1PNPDE20101211_063535_000000573097_00207_45911_5921.N1	11-DEC-2010 06:35:35	Straylight	56.500	7	19Bet Ori	0.10000	14000.	113	45911	No
101	GOM_TRA_1PNPDE20101211_063800_000000533097_00207_45911_5922.N1	11-DEC-2010 06:38:00	Straylight	52.500	30	46Eps Ori	1.6940	30000.	105	45911	No
102	GOM_TRA_1PNPDE20101211_064026_000000523097_00207_45911_5923.N1	11-DEC-2010 06:40:26	Twilight	51.500	27	24Gam Ori	1.6360	26000.	103	45911	No
103	GOM_TRA_1PNPDE20101211_064303_000000493097_00207_45911_5924.N1	11-DEC-2010 06:43:03	Twilight	49.000	13	87Alp Tau	0.86700	3800.0	98	45911	No
104	GOM_TRA_1PNPDE20101211_064541_000000473097_00207_45911_5925.N1	11-DEC-2010 06:45:41	Bright	46.500	176	23Zet Tau	3.0200	22000.	93	45911	No
105	GOM_TRA_1PNPDE20101211_064742_000000463097_00207_45911_5926.N1	11-DEC-2010 06:47:42	Bright	45.500	28	12Bet Tau	1.6500	15200.	91	45911	No
106	GOM_TRA_1PNPDE20101211_064936_000000363097_00207_45911_5927.N1	11-DEC-2010 06:49:36	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45911	No
107	GOM_TRA_1PNPDE20101211_065134_000000453097_00207_45911_5928.N1	11-DEC-2010 06:51:34	Bright	45.000	107	37The Aur	2.6490	11000.	90	45911	No
108	GOM_TRA_1PNPDE20101211_065340_000000673097_00207_45911_5929.N1	11-DEC-2010 06:53:40	Bright	66.500	42	34Bet Aur	1.9000	10200.	133	45911	No
109	GOM_TRA_1PNPDE20101211_194533_000000543097_00215_45919_5990.N1	11-DEC-2010 19:45:33	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	45919	No
110	GOM_TRA_1PNPDE20101211_194857_000000553097_00215_45919_5991.N1	11-DEC-2010 19:48:57	Dark	55.000	23	21Eps CMa	1.5020	26000.	110	45919	No
111	GOM_TRA_1PNPDE20101211_195348_000000553097_00215_45919_5992.N1	11-DEC-2010 19:53:48	Straylight	54.500	47	2Bet CMa	1.9760	28000.	109	45919	No
112	GOM_TRA_1PNPDE20101211_195727_000000483097_00215_45919_5993.N1	11-DEC-2010 19:57:27	Straylight	48.000	7	19Bet Ori	0.10000	14000.	96	45919	No
113	GOM_TRA_1PNPDE20101211_195951_000000533097_00215_45919_5994.N1	11-DEC-2010 19:59:51	Straylight	53.000	30	46Eps Ori	1.6940	30000.	106	45919	No
114	GOM_TRA_1PNPDE20101211_200217_000000493097_00215_45919_5995.N1	11-DEC-2010 20:02:17	Twilight	49.000	27	24Gam Ori	1.6360	26000.	98	45919	No
115	GOM_TRA_1PNPDE20101211_200454_000000523097_00215_45919_5996.N1	11-DEC-2010 20:04:54	Twilight	52.000	13	87Alp Tau	0.86700	3800.0	104	45919	No
116	GOM_TRA_1PNPDE20101211_200729_000000473097_00215_45919_5997.N1	11-DEC-2010 20:07:29	Bright	47.000	176	23Zet Tau	3.0200	22000.	94	45919	No
117	GOM_TRA_1PNPDE20101211_200931_000000443097_00215_45919_5998.N1	11-DEC-2010 20:09:31	Bright	44.000	28	12Bet Tau	1.6500	15200.	88	45919	No
118	GOM_TRA_1PNPDE20101211_201127_000000363097_00215_45919_5999.N1	11-DEC-2010 20:11:27	Bright	36.000	149	45Eps Per	2.8880	30000.	72	45919	No
119	GOM_TRA_1PNPDE20101211_201320_000000483097_00215_45919_6000.N1	11-DEC-2010 20:13:20	Bright	48.000	107	37The Aur	2.6490	11000.	96	45919	No
120	GOM_TRA_1PNPDE20101211_201527_000000463097_00215_45919_6001.N1	11-DEC-2010 20:15:27	Bright	45.500	42	34Bet Aur	1.9000	10200.	91	45919	No
121	GOM_TRA_1PNPDE20101211_203050_000000483097_00215_45919_6002.N1	11-DEC-2010 20:30:50	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	45919	No
122	GOM_TRA_1PNPDE20101211_203445_000000433097_00215_45919_6003.N1	11-DEC-2010 20:34:45	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	45919	No
123	GOM_TRA_1PNPDE20101211_203711_000000403097_00215_45919_6004.N1	11-DEC-2010 20:37:11	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	45919	No
124	GOM_TRA_1PNPDE20101211_204022_000000373097_00215_45919_6005.N1	11-DEC-2010 20:40:22	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	45919	No
125	GOM_TRA_1PNPDE20101211_204641_000000413097_00215_45919_6006.N1	11-DEC-2010 20:46:41	Bright	40.500	111	8Eta Boo	2.6800	6000.0	81	45919	No
126	GOM_TRA_1PNPDE20101211_205018_000000503097_00215_45919_6004.N1	11-DEC-2010 20:50:18	Bright	49.500	138	47Eps Vir	2.8280	4700.0	99	45919	Yes

127	GOM_TRA_1PNPDE20101211_205613_000000483097_00215_45919_6005.N1	11-DEC-2010 20:56:13	Twilight	48.000	15	67Alp Vir	0.97600	28000.	96	45919	No
128	GOM_TRA_1PNPDE20101211_205941_000000483097_00215_45919_6006.N1	11-DEC-2010 20:59:41	Twilight	48.000	169	46Gam Hya	2.9910	4700.0	96	45919	No
129	GOM_TRA_1PNPDE20101211_210136_000000553097_00215_45919_6007.N1	11-DEC-2010 21:01:36	Dark	55.000	100	4Gam Crv	2.5800	13100.	110	45919	No
130	GOM_TRA_1PNPDE20101211_210312_000000583097_00215_45919_6008.N1	11-DEC-2010 21:03:12	Dark	57.500	171	2Eps Crv	3.0010	4250.0	115	45919	No
131	GOM_TRA_1PNPDE20101211_210839_000000413097_00215_45919_6009.N1	11-DEC-2010 21:08:39	Dark	40.500	99	Del Cen	2.5750	26000.	81	45919	No
132	GOM_TRA_1PNPDE20101211_225230_000000473097_00217_45921_6026.N1	11-DEC-2010 22:52:30	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	45921	No
133	GOM_TRA_1PNPDE20101211_225632_000000423097_00217_45921_6027.N1	11-DEC-2010 22:56:32	Dark	42.000	71	lot Car	2.2460	7700.0	84	45921	No
134	GOM_TRA_1PNPDE20101211_230104_000000503097_00217_45921_6028.N1	11-DEC-2010 23:01:04	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	45921	No
135	GOM_TRA_1PNPDE20101211_230331_000000473097_00217_45921_6029.N1	11-DEC-2010 23:03:31	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	45921	No
136	GOM_TRA_1PNPDE20101211_230602_000000573097_00217_45921_6030.N1	11-DEC-2010 23:06:02	Dark	56.500	117	Pi Pup	2.7060	3800.0	113	45921	No
137	GOM_TRA_1PNPDE20101211_230925_000000553097_00217_45921_6031.N1	11-DEC-2010 23:09:25	Straylight	54.500	23	21Eps CMa	1.5020	26000.	109	45921	No
138	GOM_TRA_1PNPDE20101211_231416_000000543097_00217_45921_6032.N1	11-DEC-2010 23:14:16	Straylight	54.000	47	2Bet CMa	1.9760	28000.	108	45921	No
139	GOM_TRA_1PNPDE20101211_231755_000000593097_00217_45921_6033.N1	11-DEC-2010 23:17:55	Straylight	59.000	7	19Bet Ori	0.10000	14000.	118	45921	No
140	GOM_TRA_1PNPDE20101211_232019_000000543097_00217_45921_6034.N1	11-DEC-2010 23:20:19	Straylight	53.500	30	46Eps Ori	1.6940	30000.	107	45921	No
141	GOM_TRA_1PNPDE20101211_232244_000000523097_00217_45921_6035.N1	11-DEC-2010 23:22:44	Twilight	51.500	27	24Gam Ori	1.6360	26000.	103	45921	No
142	GOM_TRA_1PNPDE20101211_232522_000000503097_00217_45921_6036.N1	11-DEC-2010 23:25:22	Twilight	49.500	13	87Alp Tau	0.86700	3800.0	99	45921	No
143	GOM_TRA_1PNPDE20101211_232756_000000453097_00217_45921_6037.N1	11-DEC-2010 23:27:56	Bright	44.500	176	23Zet Tau	3.0200	22000.	89	45921	No
144	GOM_TRA_1PNPDE20101211_232936_000000373097_00217_45921_6038.N1	11-DEC-2010 23:29:36	Bright	37.000	150	44Zet Per	2.8900	28000.	74	45921	No
145	GOM_TRA_1PNPDE20101211_233155_000000373097_00217_45921_6039.N1	11-DEC-2010 23:31:55	Bright	37.000	149	45Eps Per	2.8880	30000.	74	45921	No
146	GOM_TRA_1PNPDE20101211_233347_000000303097_00217_45921_6040.N1	11-DEC-2010 23:33:47	Twilight	30.000	107	37The Aur	2.6490	11000.	60	45921	No
147	GOM_TRA_1PNPDE20101211_233447_000000433097_00217_45921_6041.N1	11-DEC-2010 23:34:47	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	45921	No
148	GOM_TRA_1PNPDE20101211_235117_000000473097_00217_45921_6042.N1	11-DEC-2010 23:51:17	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	45921	No
149	GOM_TRA_1PNPDE20101211_235513_000000603097_00217_45921_6043.N1	11-DEC-2010 23:55:13	Bright	60.000	32	77Eps UMa	1.7630	11000.	120	45921	No
150	GOM_TRA_1PNPDE20101211_235739_000000573097_00217_45921_6044.N1	11-DEC-2010 23:57:39	Bright	57.000	39	85Eta UMa	1.8540	24000.	114	45921	No

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



4. Overview of dark signal processing per product

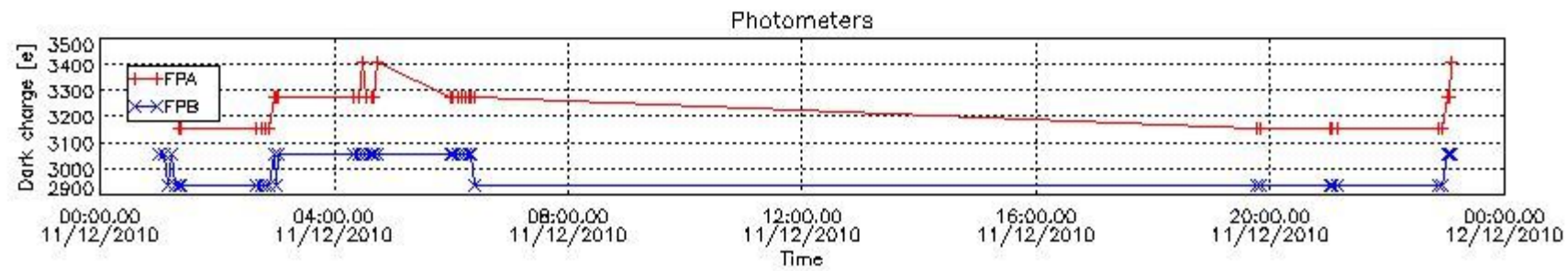
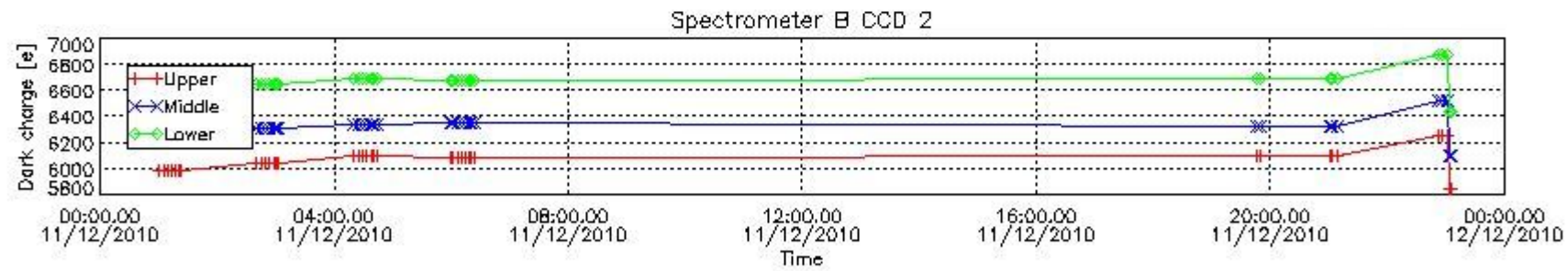
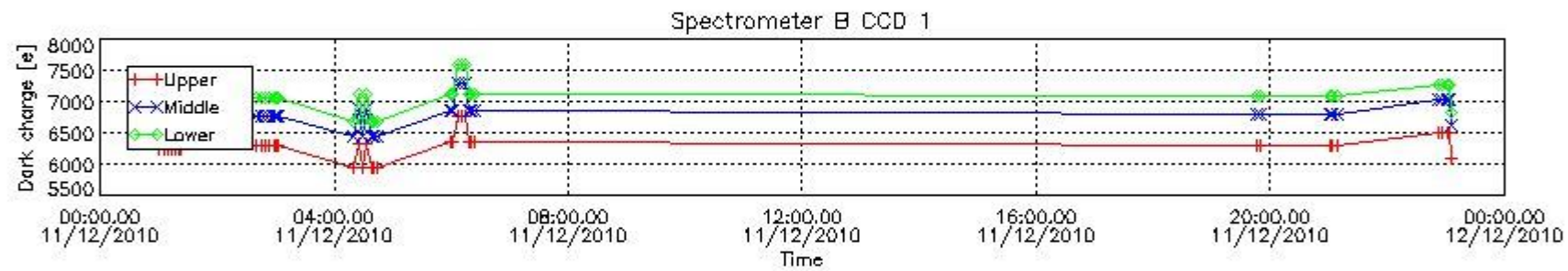
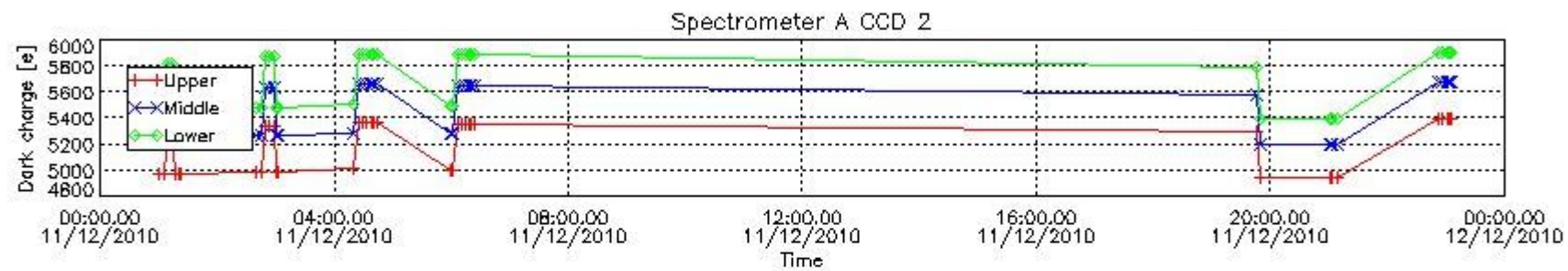
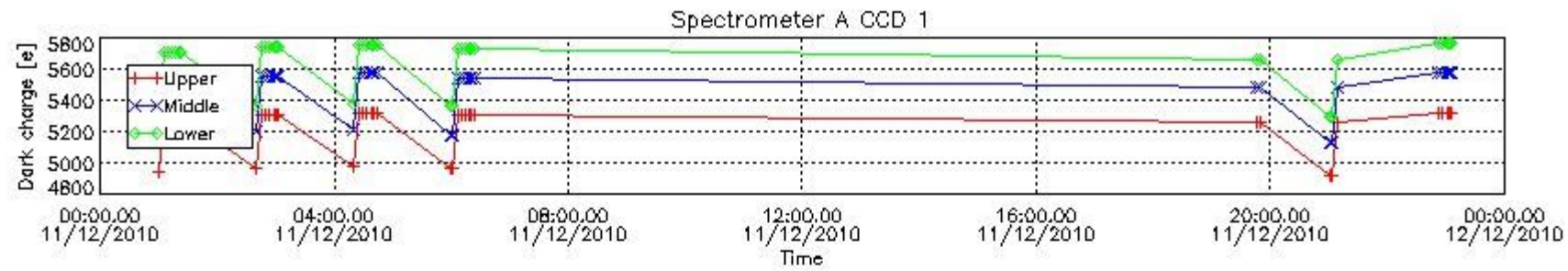
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20101211_194533_000000543097_00215_45919_5990.N1	DC map used
GOM_TRA_1PNPDE20101211_194857_000000553097_00215_45919_5991.N1	DC map used
GOM_TRA_1PNPDE20101211_195348_000000553097_00215_45919_5992.N1	DC map used
GOM_TRA_1PNPDE20101211_195727_000000483097_00215_45919_5993.N1	DC map used
GOM_TRA_1PNPDE20101211_195951_000000533097_00215_45919_5994.N1	DC map used
GOM_TRA_1PNPDE20101211_200217_000000493097_00215_45919_5995.N1	DC map used
GOM_TRA_1PNPDE20101211_200454_000000523097_00215_45919_5996.N1	DC map used
GOM_TRA_1PNPDE20101211_200729_000000473097_00215_45919_5997.N1	DC map used
GOM_TRA_1PNPDE20101211_200931_000000443097_00215_45919_5998.N1	DC map used
GOM_TRA_1PNPDE20101211_201127_000000363097_00215_45919_5999.N1	DC map used
GOM_TRA_1PNPDE20101211_201320_000000483097_00215_45919_6000.N1	DC map used
GOM_TRA_1PNPDE20101211_201527_000000463097_00215_45919_6001.N1	DC map used
GOM_TRA_1PNPDE20101211_203050_000000483097_00215_45919_6002.N1	DC map used
GOM_TRA_1PNPDE20101211_203445_000000433097_00215_45919_6003.N1	DC map used
GOM_TRA_1PNPDE20101211_203711_000000403097_00215_45919_6004.N1	DC map used
GOM_TRA_1PNPDE20101211_204022_000000373097_00215_45919_6005.N1	DC map used
GOM_TRA_1PNPDE20101211_204641_000000413097_00215_45919_6006.N1	DC map used
GOM_TRA_1PNPDE20101211_205018_000000503097_00215_45919_6004.N1	DC map with no T dep.
GOM_TRA_1PNPDE20101211_205613_000000483097_00215_45919_6005.N1	DC map used
GOM_TRA_1PNPDE20101211_205941_000000483097_00215_45919_6006.N1	DC map used
GOM_TRA_1PNPDE20101211_210136_000000553097_00215_45919_6007.N1	DC map used
GOM_TRA_1PNPDE20101211_210312_000000583097_00215_45919_6008.N1	DC map used
GOM_TRA_1PNPDE20101211_210839_000000413097_00215_45919_6009.N1	DC map used

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



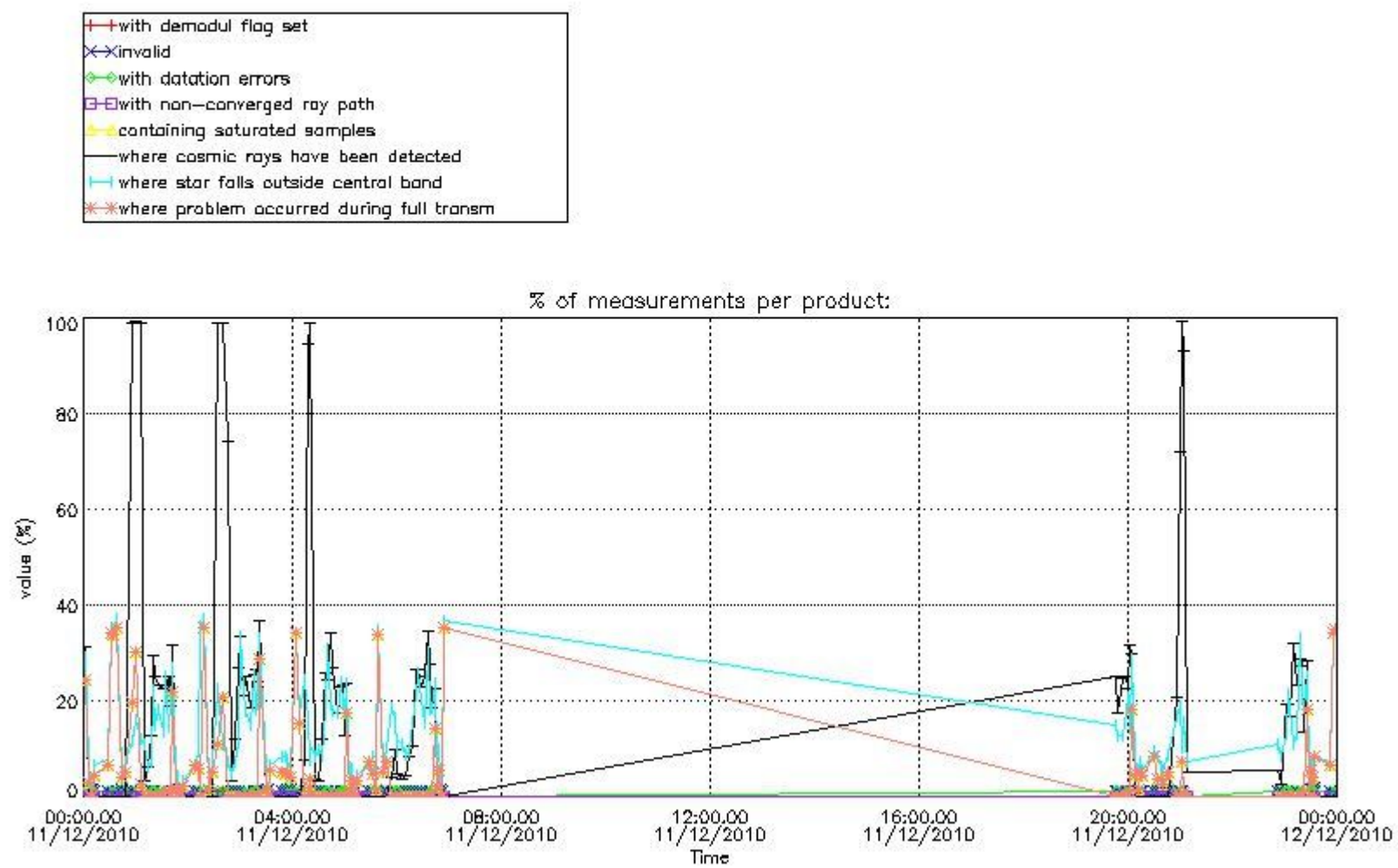
5. Demodulation flag and quality information monitoring

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.

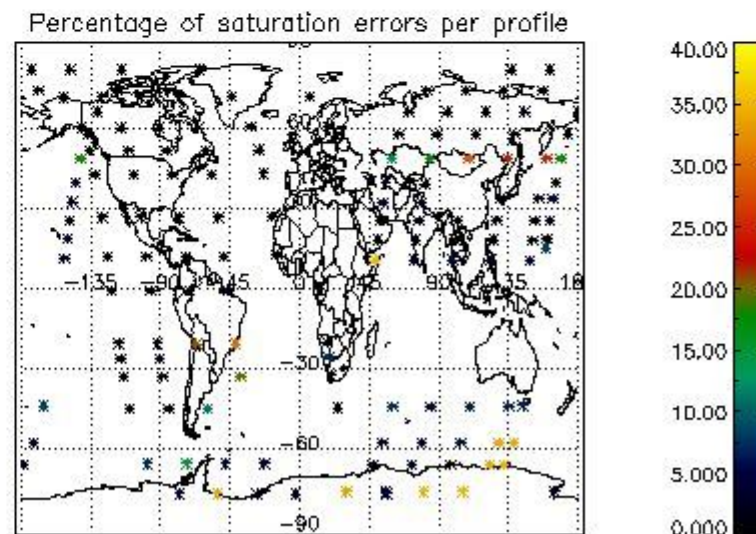
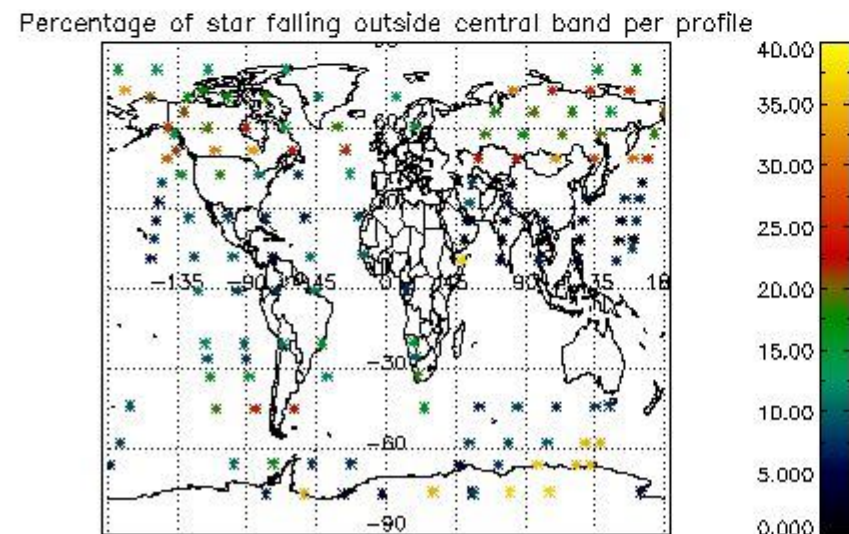
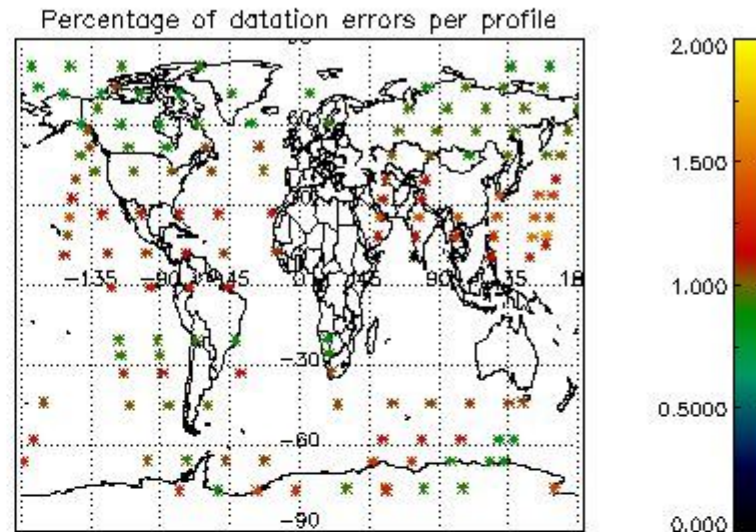
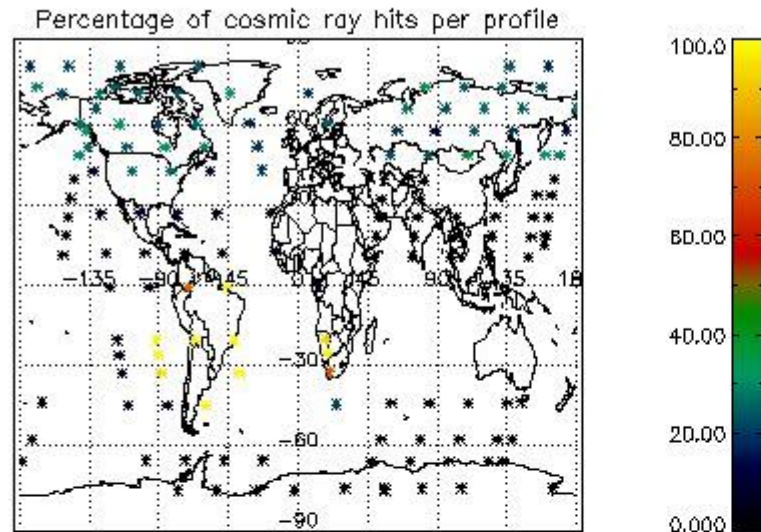
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	55.1020 %
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)



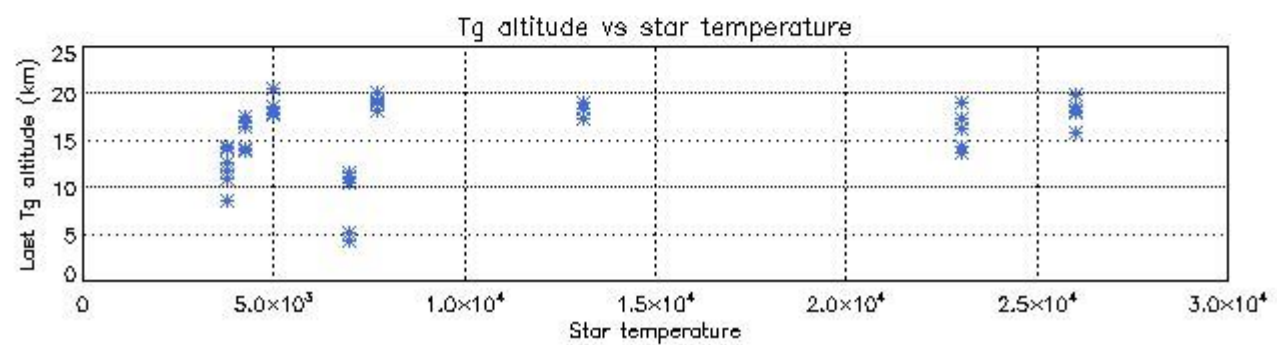
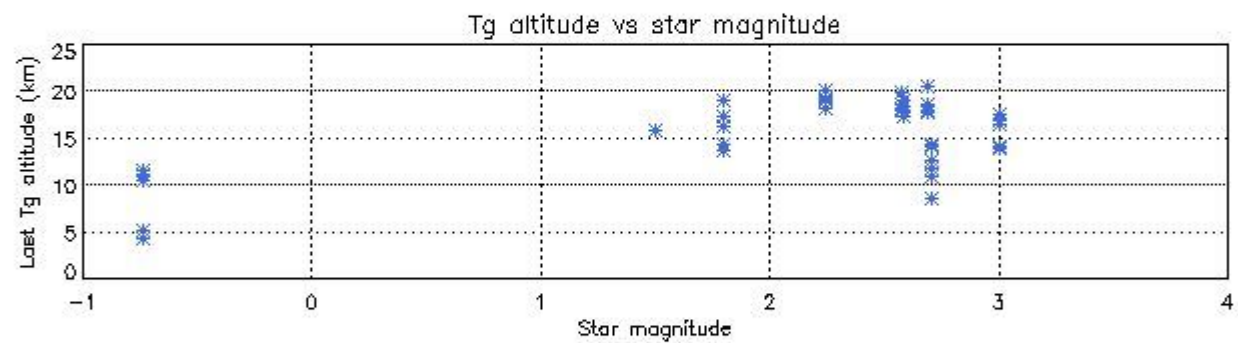
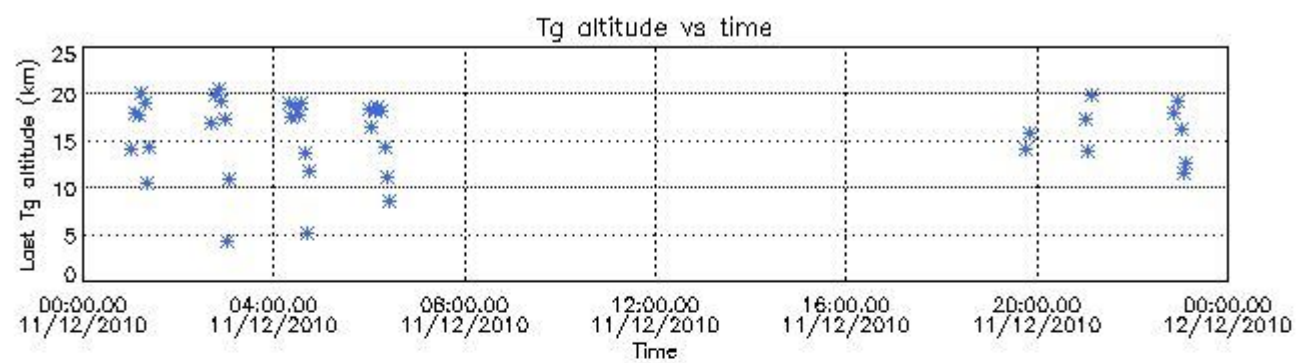
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.668	18.780	14.097
St. deviation:	4.0051	7.6887	2.2180
Maximum:	20.533	39.713	17.013
Minimum:	4.2102	3.4757	11.656
Number of data:	40.000	61.000	4.0000

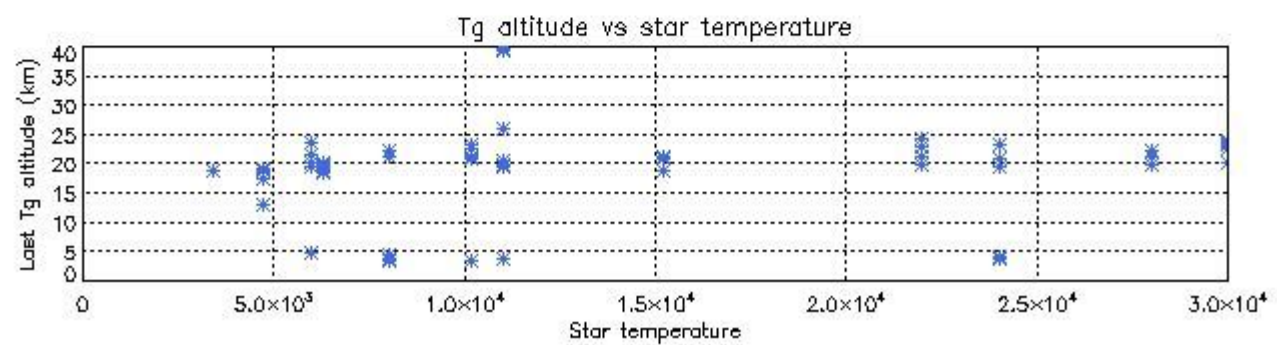
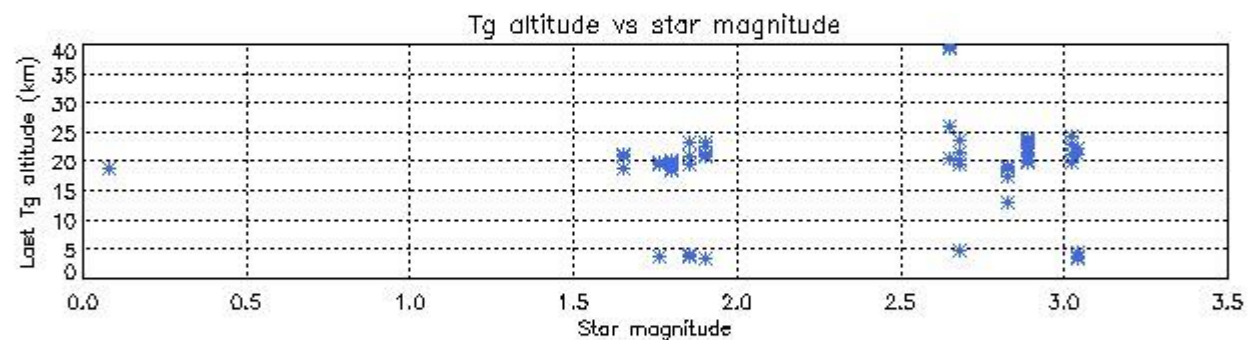
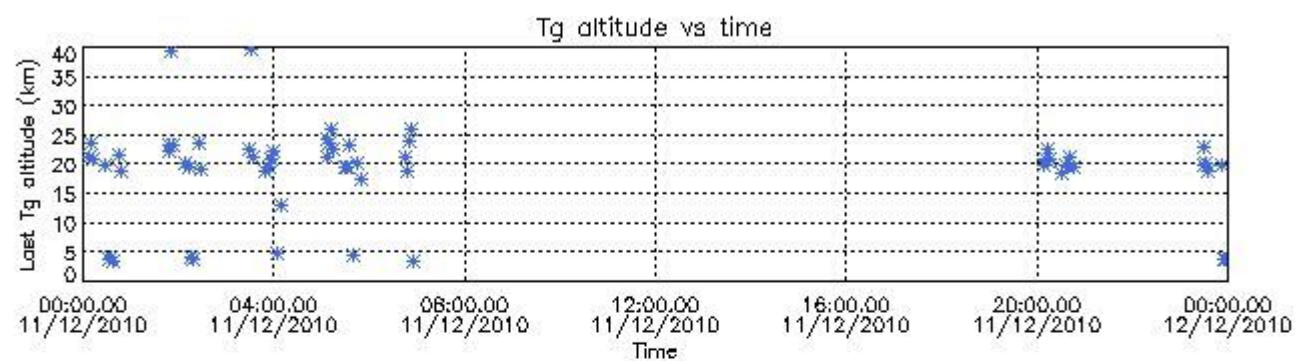
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



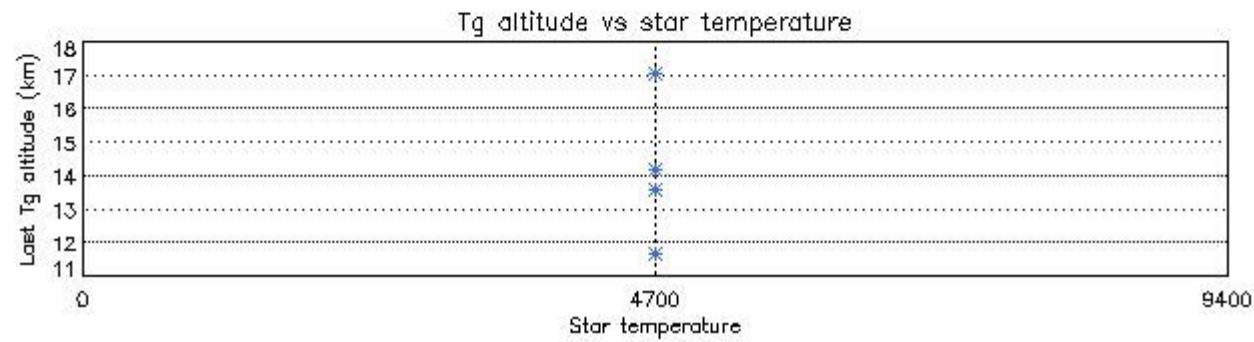
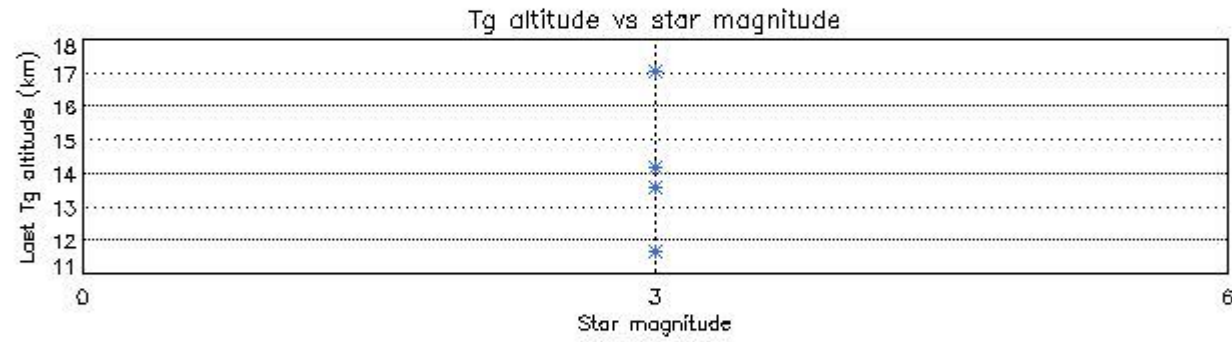
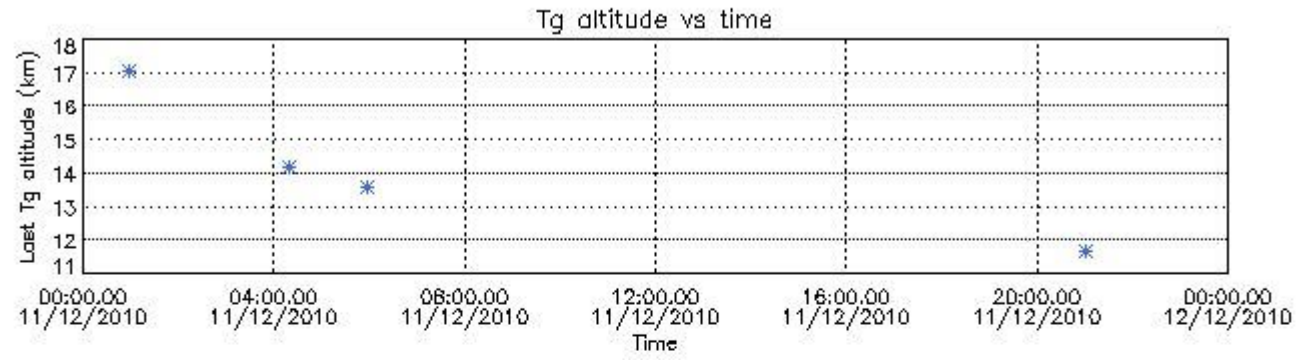
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

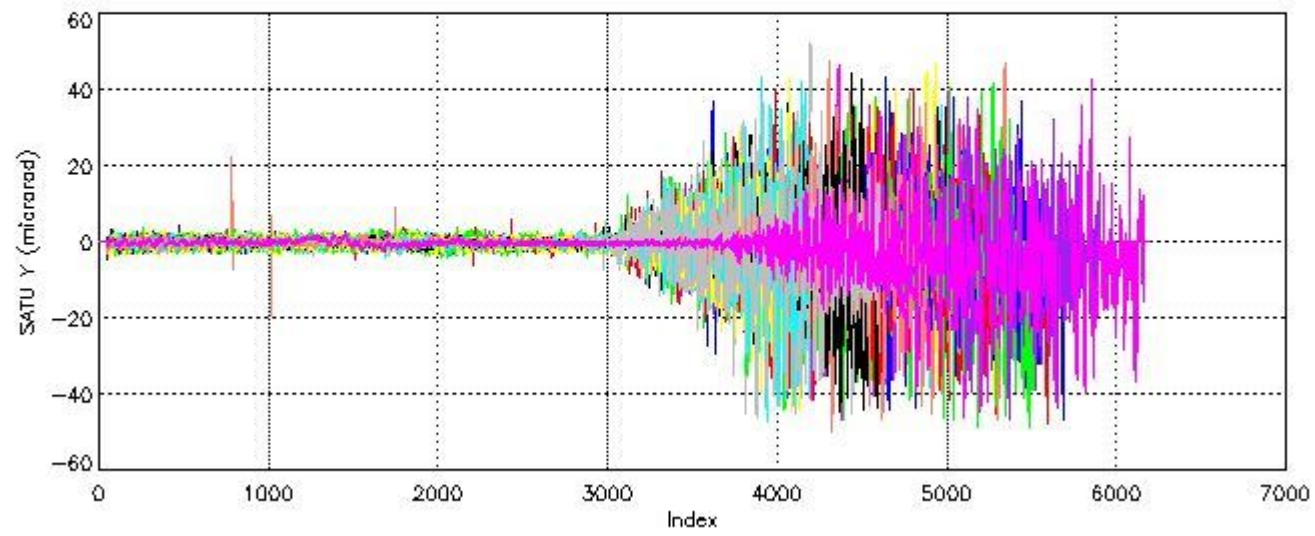
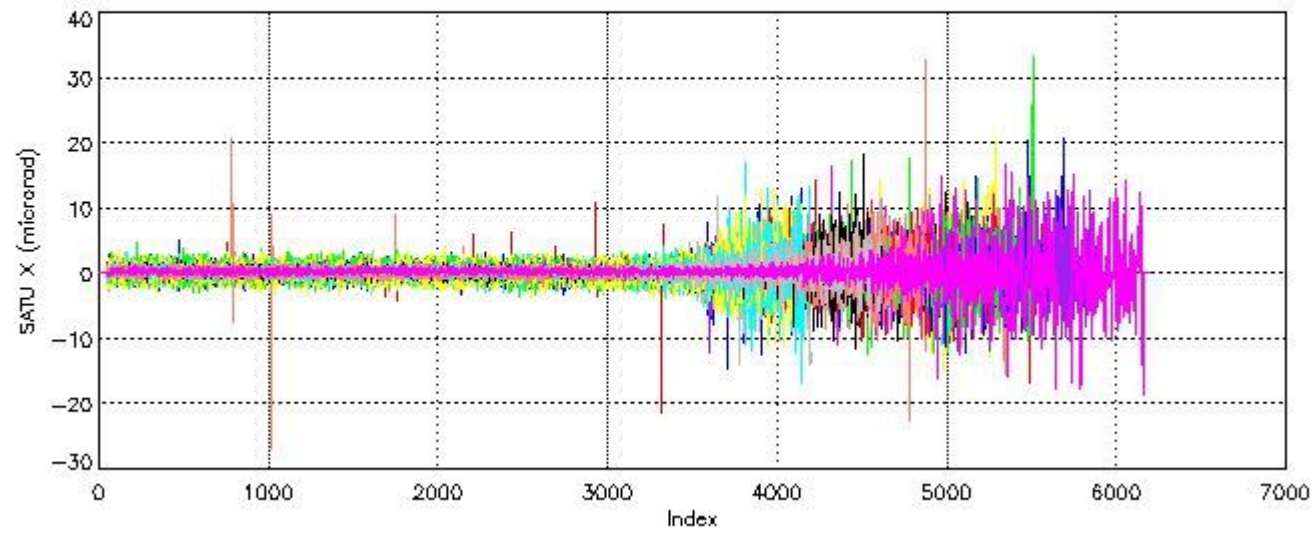


7. Star Acquisition and Tracking Unit (SATU)

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:	0.19713	-0.29990	0.16229	-0.24177
St. deviation:	0.56033	0.70829	0.97295	1.1164
Maximum:	20.800	21.900	6.0000	6.2000
Minimum:	-26.800	-19.700	-6.9000	-7.7000

Number of data:	44600.	44600.	60650.	60650.
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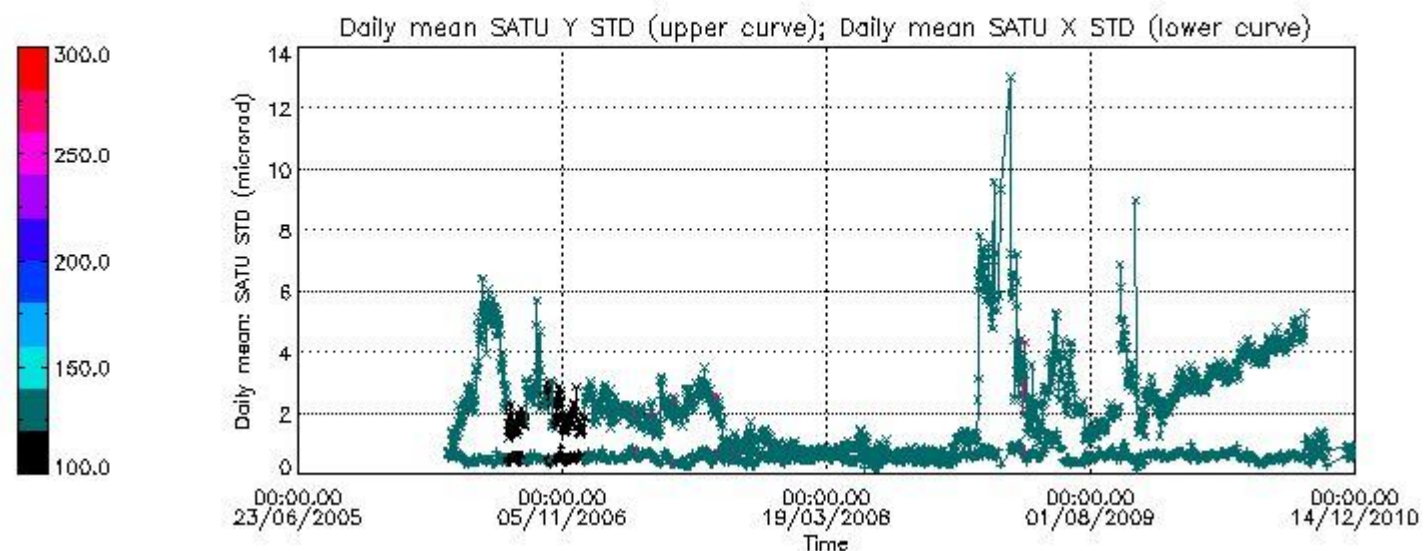
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

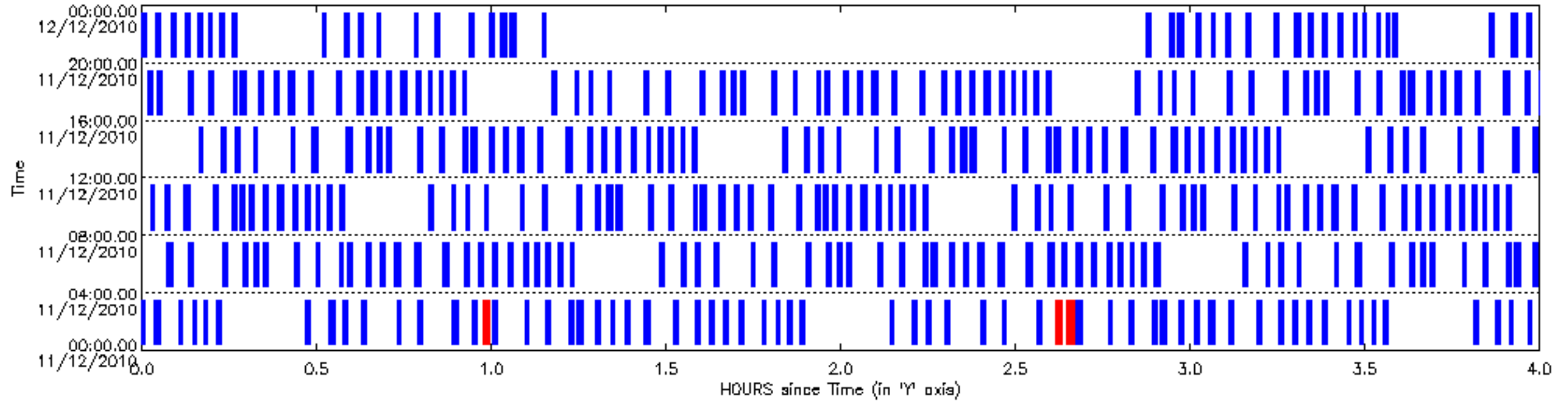
Lower curve: STD of SATU X axis

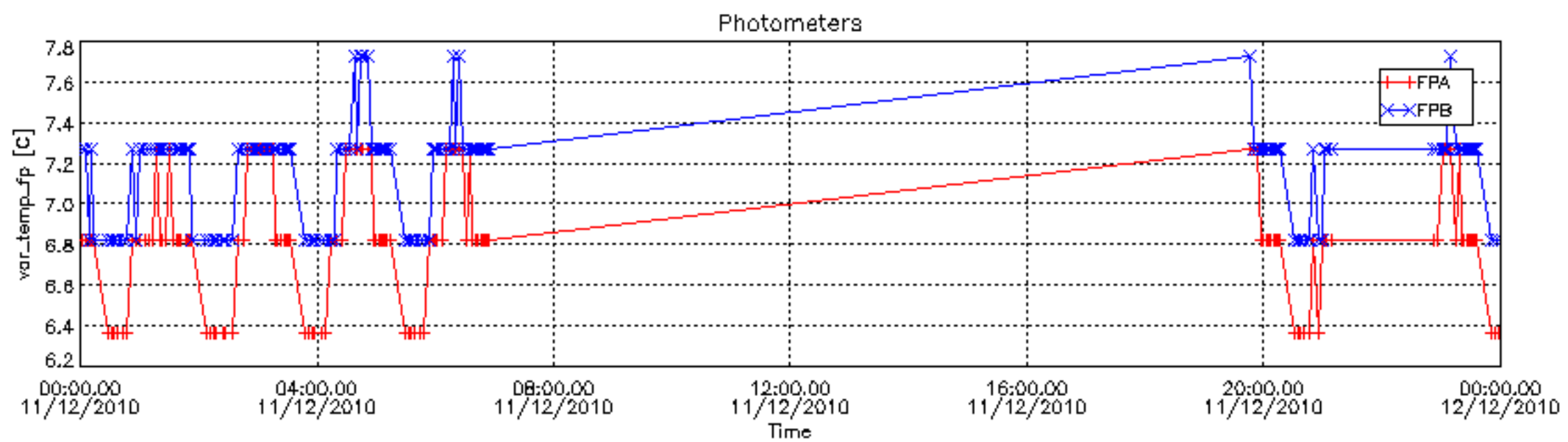
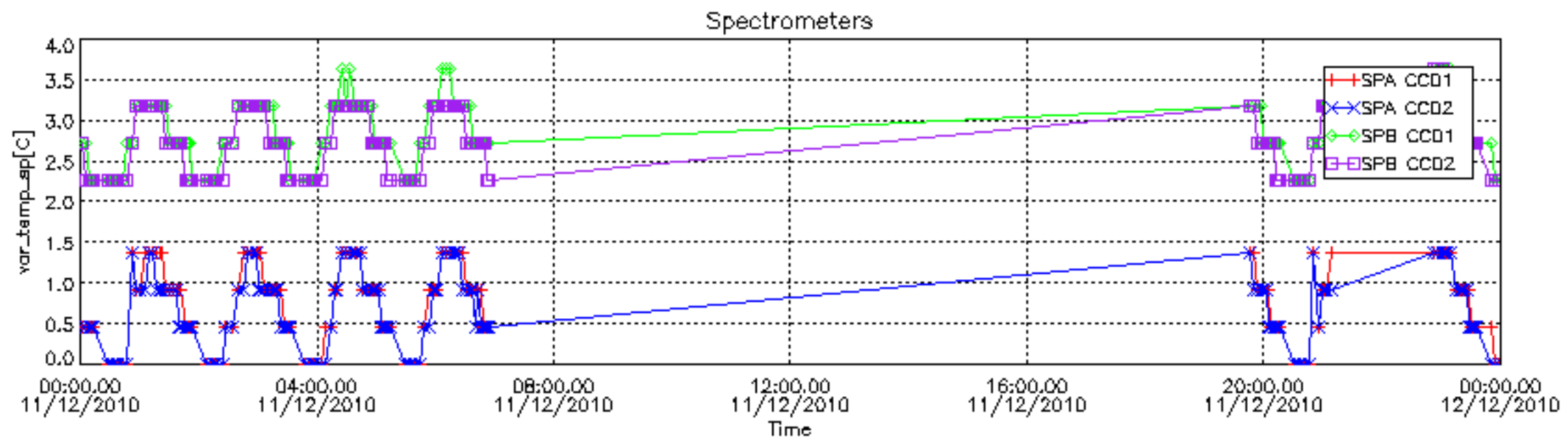


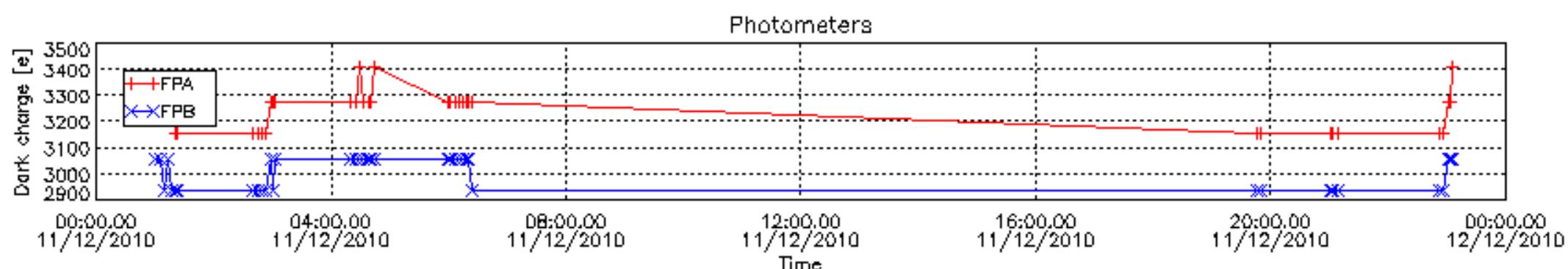
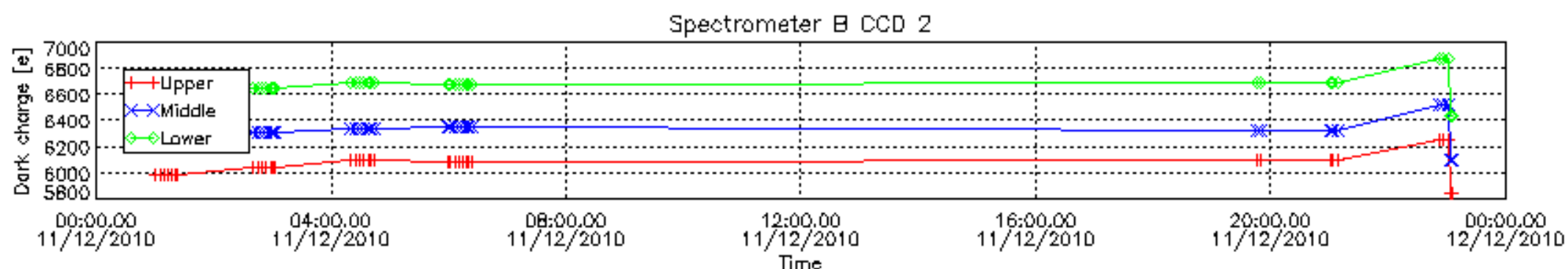
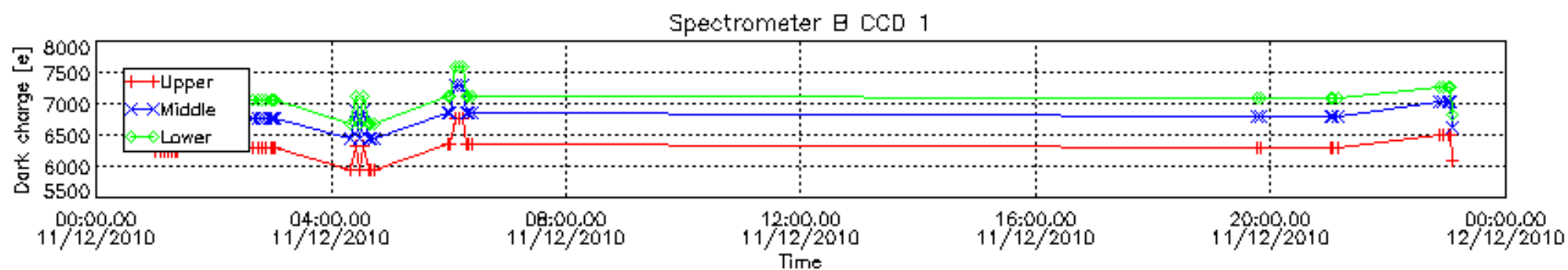
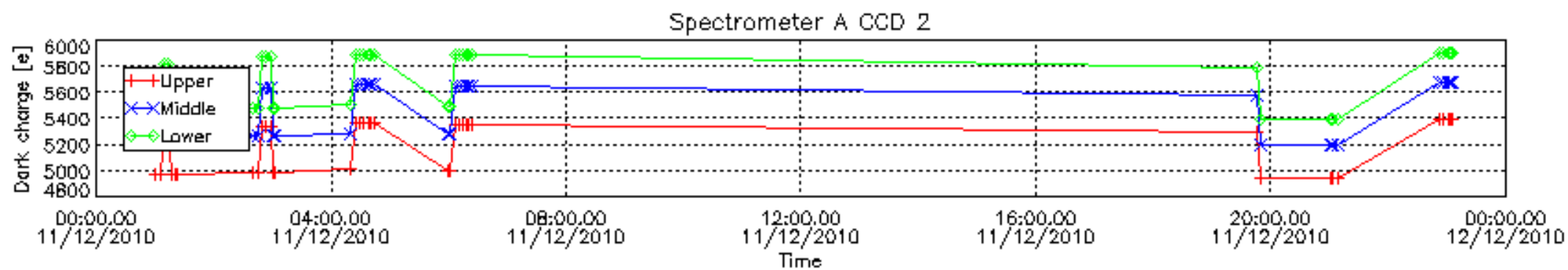
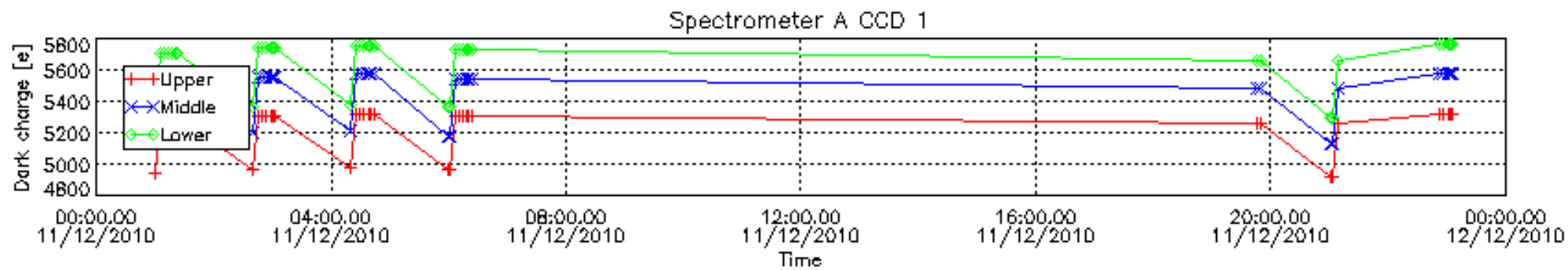
8. Auxiliary Data Files used for the production reported in section 2.4

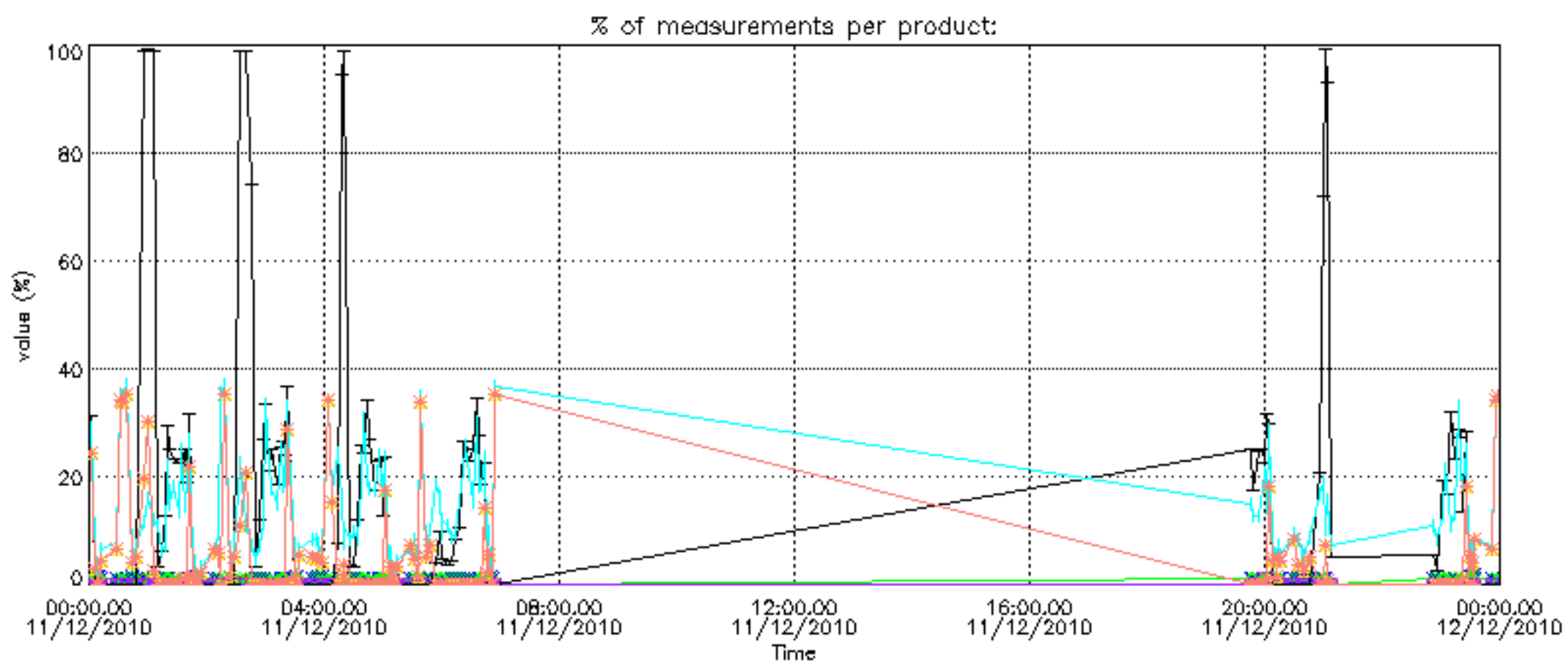
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	11-DEC-2010 00:02:07
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101201_093519_20101129_000000_20500101_000000	1	11-DEC-2010 00:02:07
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	11-DEC-2010 00:02:07
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	11-DEC-2010 00:02:07
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	11-DEC-2010 00:02:07
ECMWF_FILE	AUX_ECF_AXNECM20101210_054116_20101210_210000_20101211_090000	1	11-DEC-2010 00:02:07
ECMWF_FILE	AUX_ECF_AXNECM20101210_174115_20101211_030000_20101211_150000	55	11-DEC-2010 03:48:34
ECMWF_FILE	AUX_ECA_AXNECM20101211_054115_20101210_210000_20101211_090000	82	11-DEC-2010 05:28:48
ECMWF_FILE	AUX_ECA_AXNECM20101211_172117_20101211_090000_20101211_210000	109	11-DEC-2010 19:45:33
ECMWF_FILE	AUX_ECF_AXNECM20101211_054116_20101211_150000_20101212_030000	126	11-DEC-2010 20:50:18
ECMWF_FILE	AUX_ECF_AXNECM20101211_060114_20101211_210000_20101212_090000	132	11-DEC-2010 22:52:30
OPTIONAL_ECMWF_FILE	MISSING	1	11-DEC-2010 00:02:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101210_231013_000057383097_00202_45906_2102.N1	1	11-DEC-2010 00:02:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101211_005110_000098823097_00203_45907_2103.N1	12	11-DEC-2010 00:53:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101211_034111_000060573097_00205_45909_2104.N1	55	11-DEC-2010 03:48:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101211_052727_000054193097_00206_45910_2105.N1	82	11-DEC-2010 05:28:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101211_194252_000035073097_00215_45919_2106.N1	109	11-DEC-2010 19:45:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101211_204637_000063763097_00215_45919_2107.N1	126	11-DEC-2010 20:50:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101211_223812_000054193097_00216_45920_2108.N1	132	11-DEC-2010 22:52:30

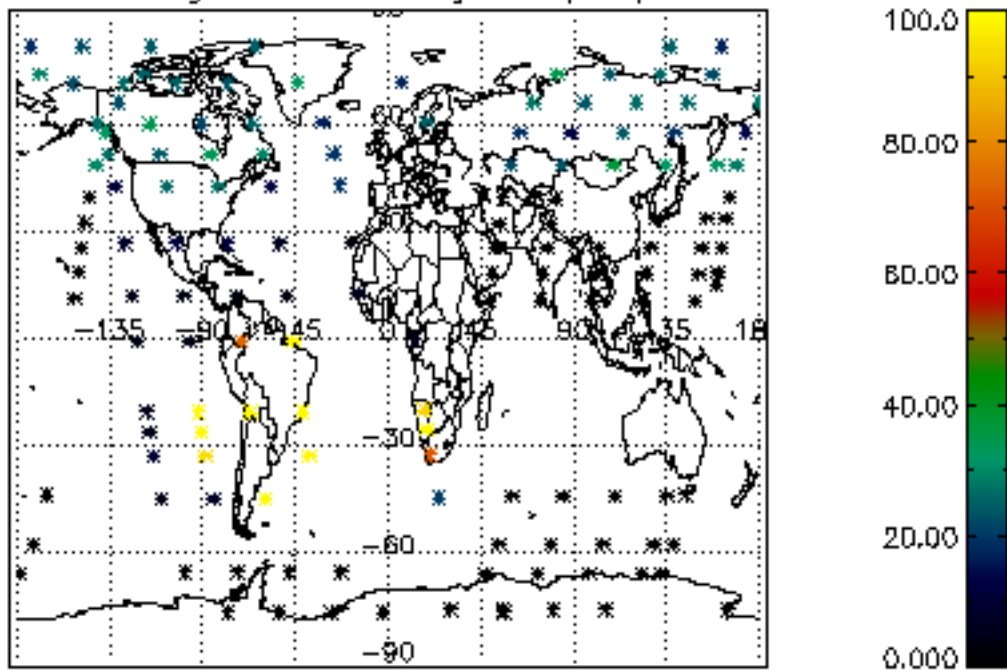




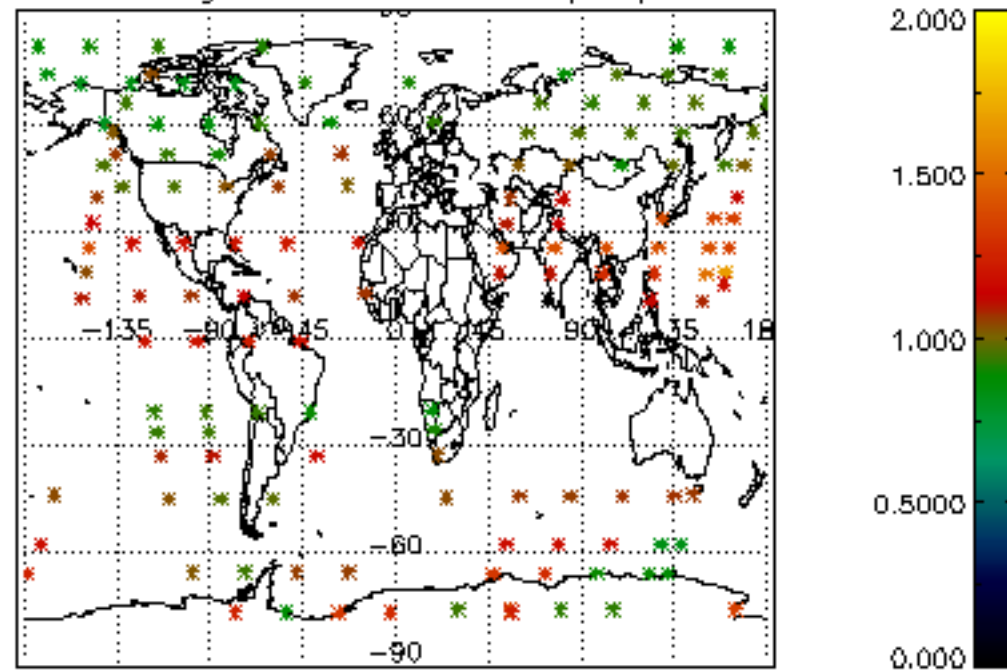




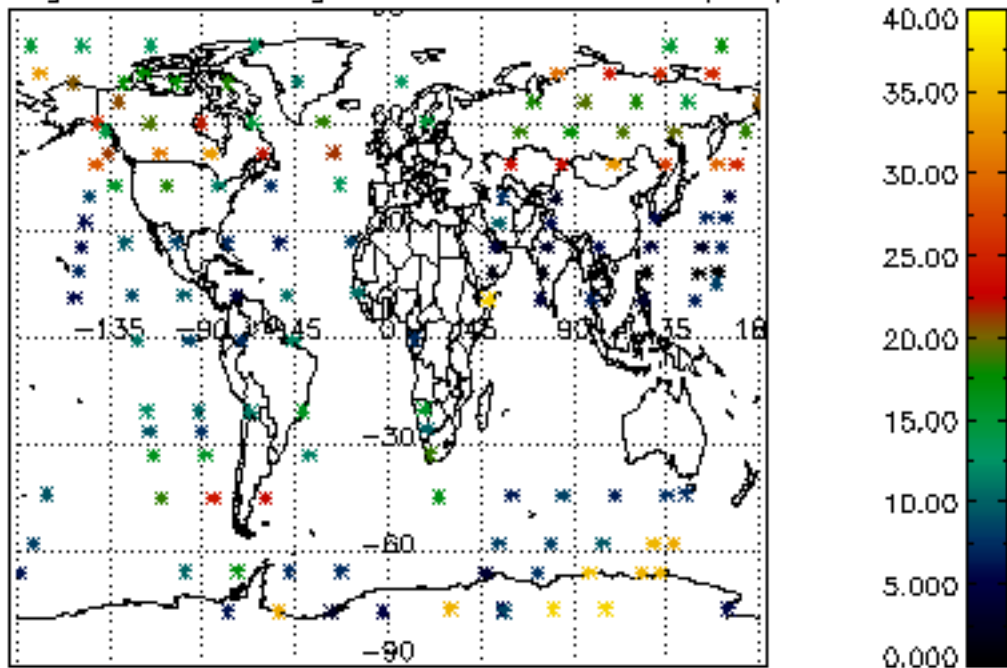
Percentage of cosmic ray hits per profile



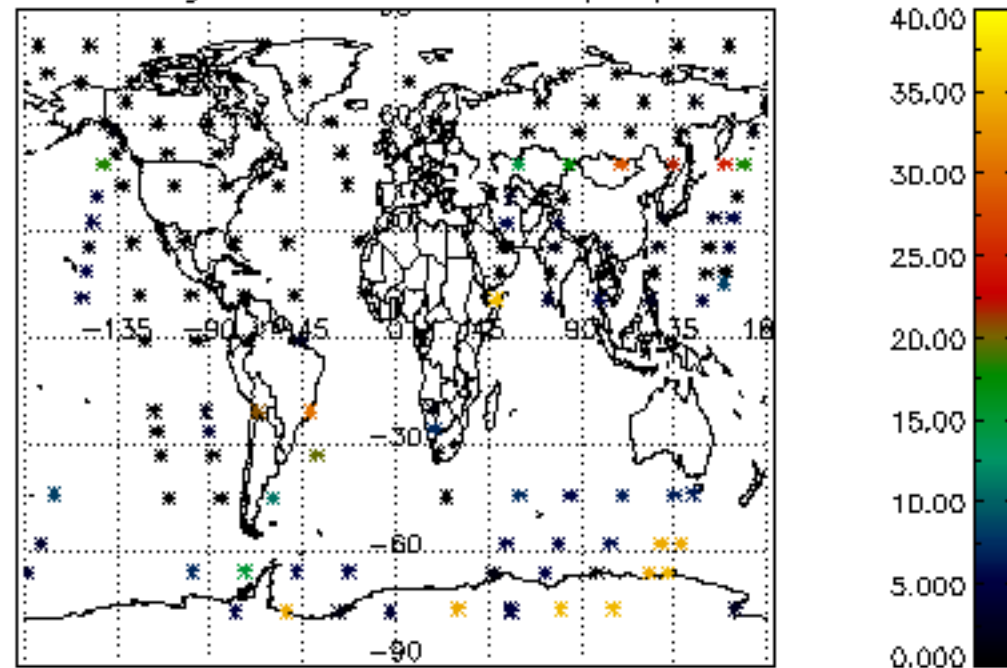
Percentage of datation errors per profile



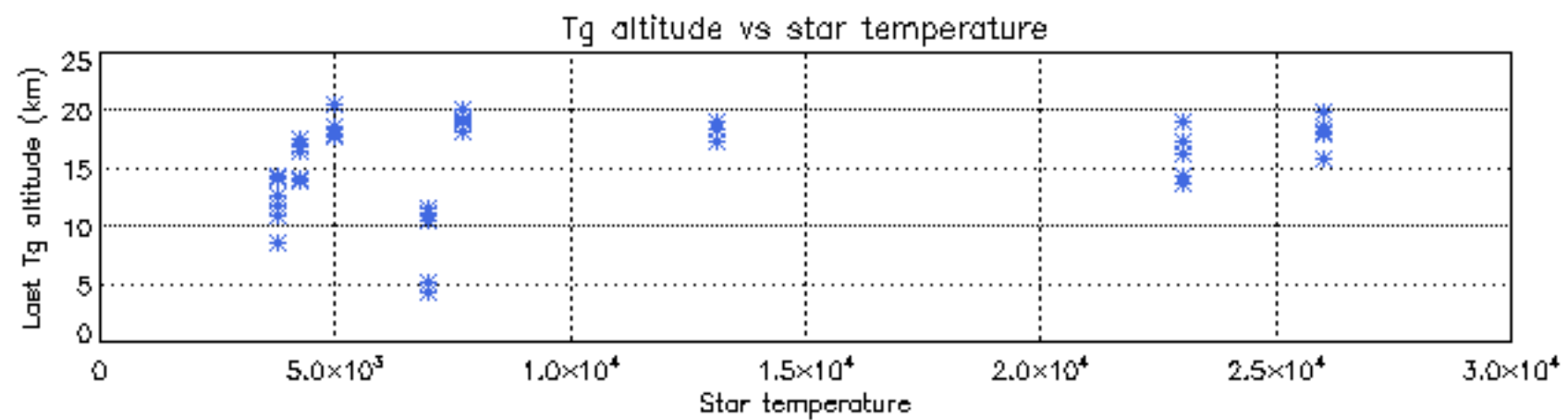
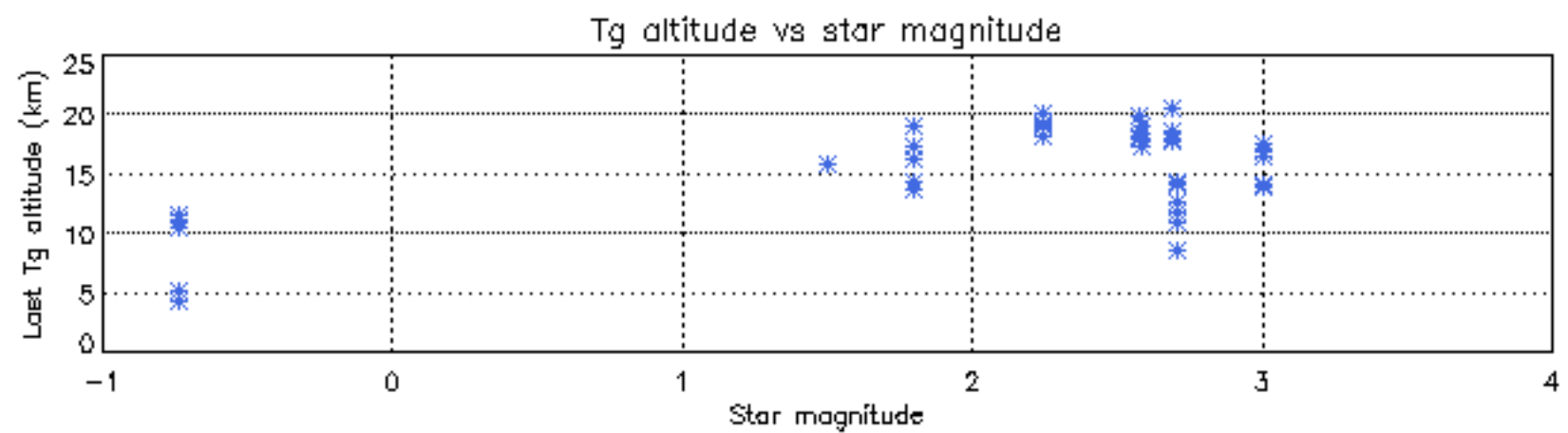
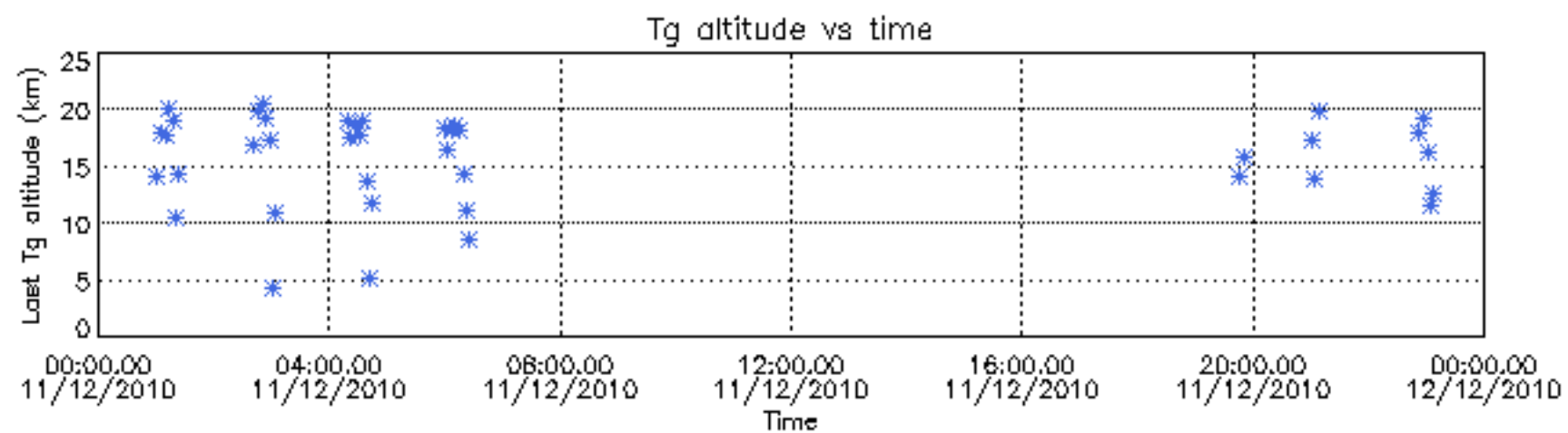
Percentage of star falling outside central band per profile



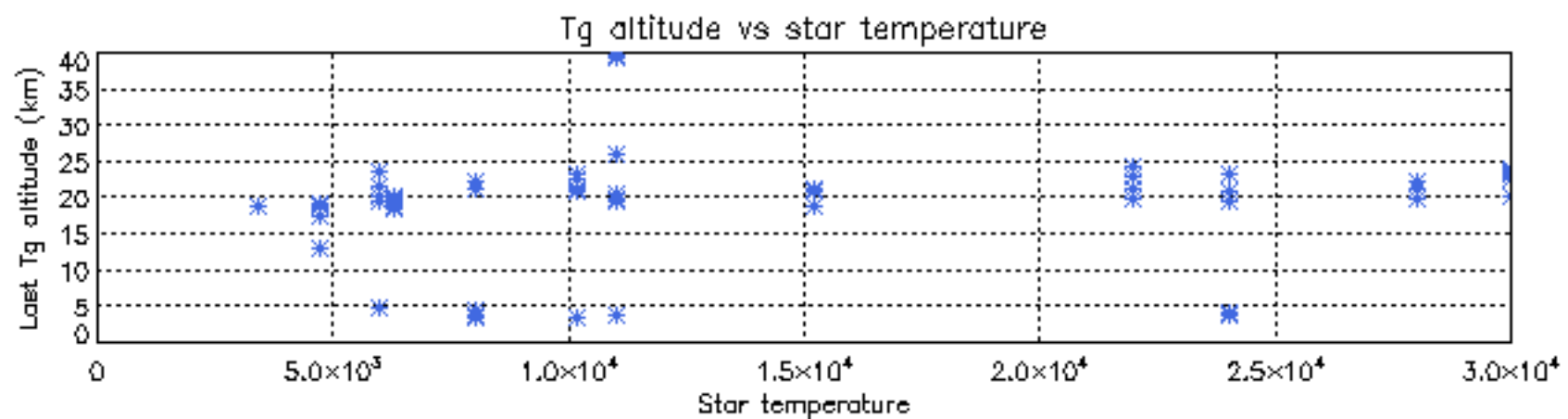
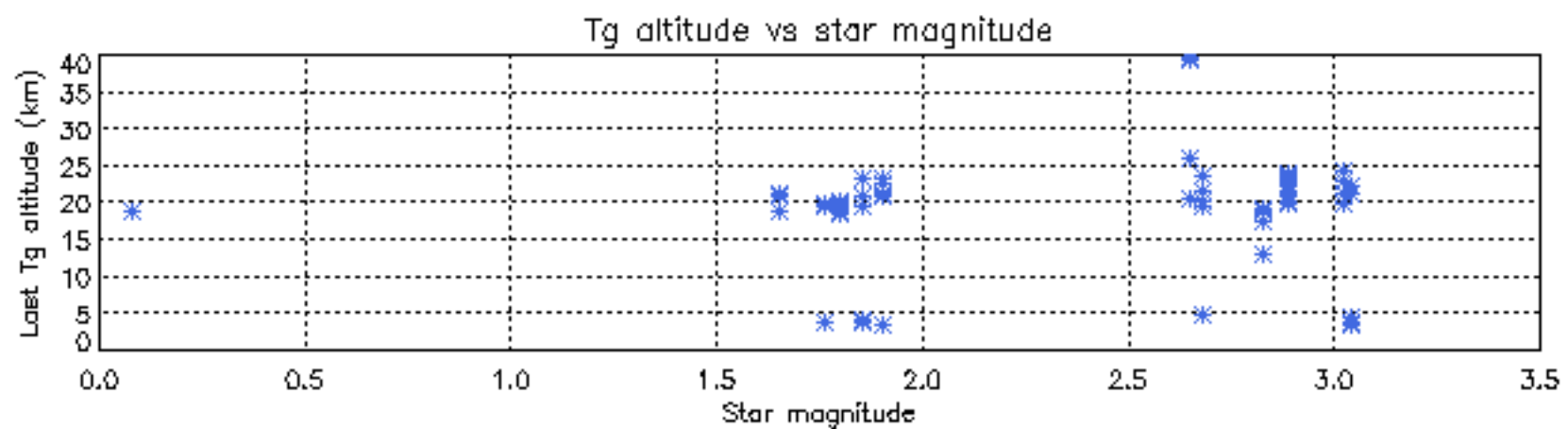
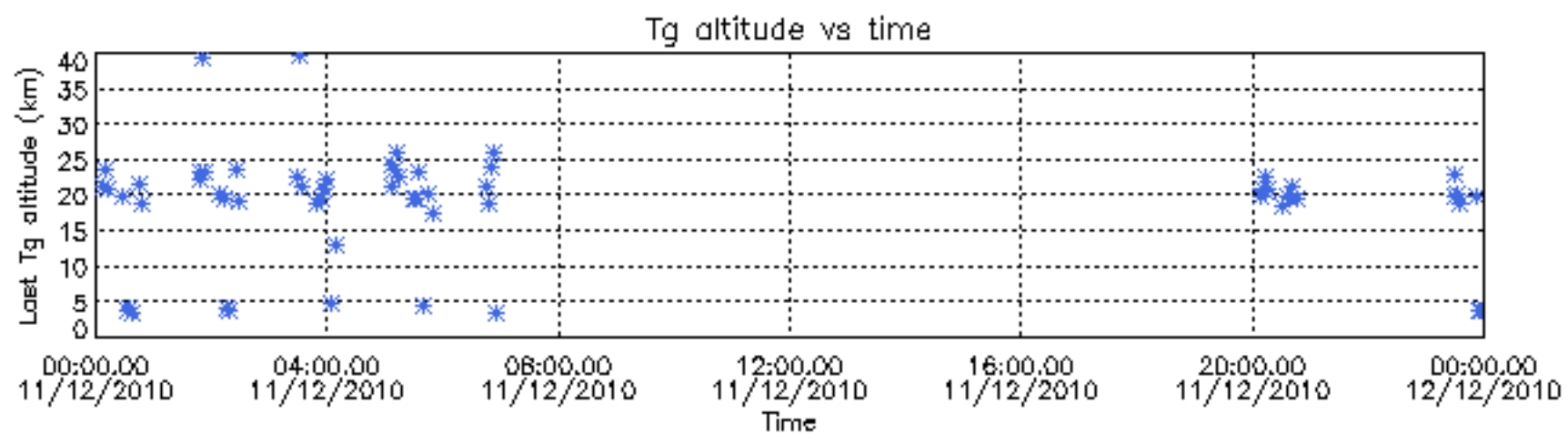
Percentage of saturation errors per profile



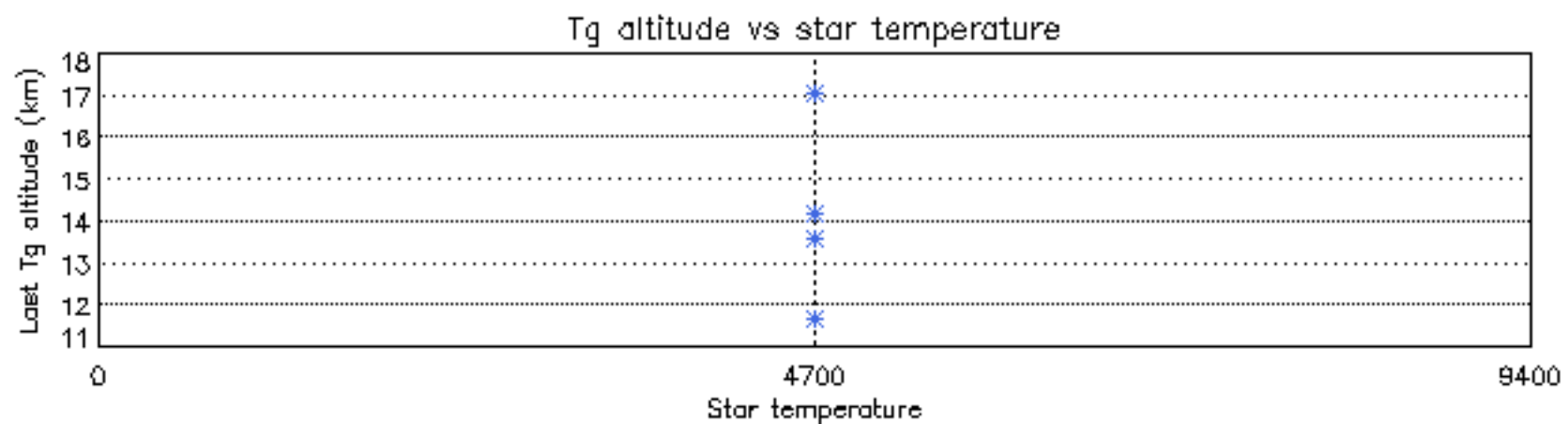
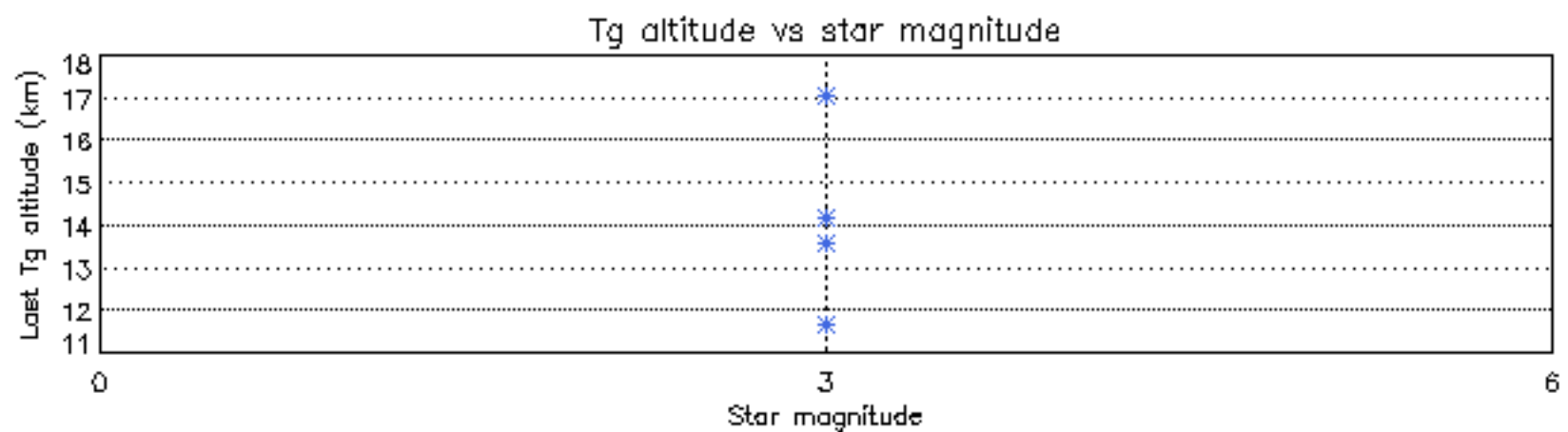
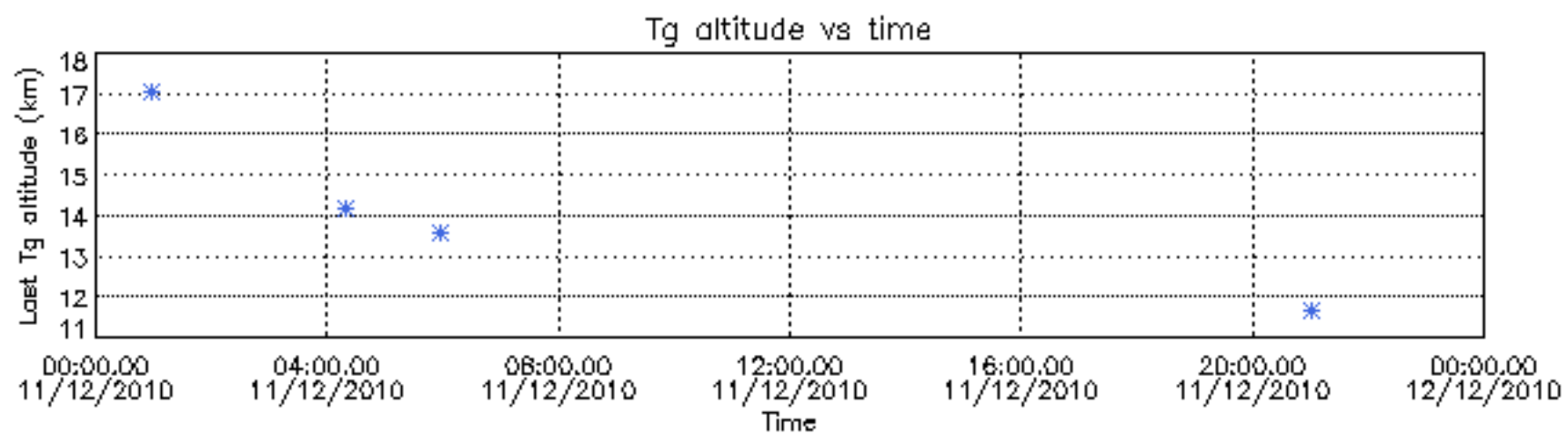
Tangent altitude at which the star is lost

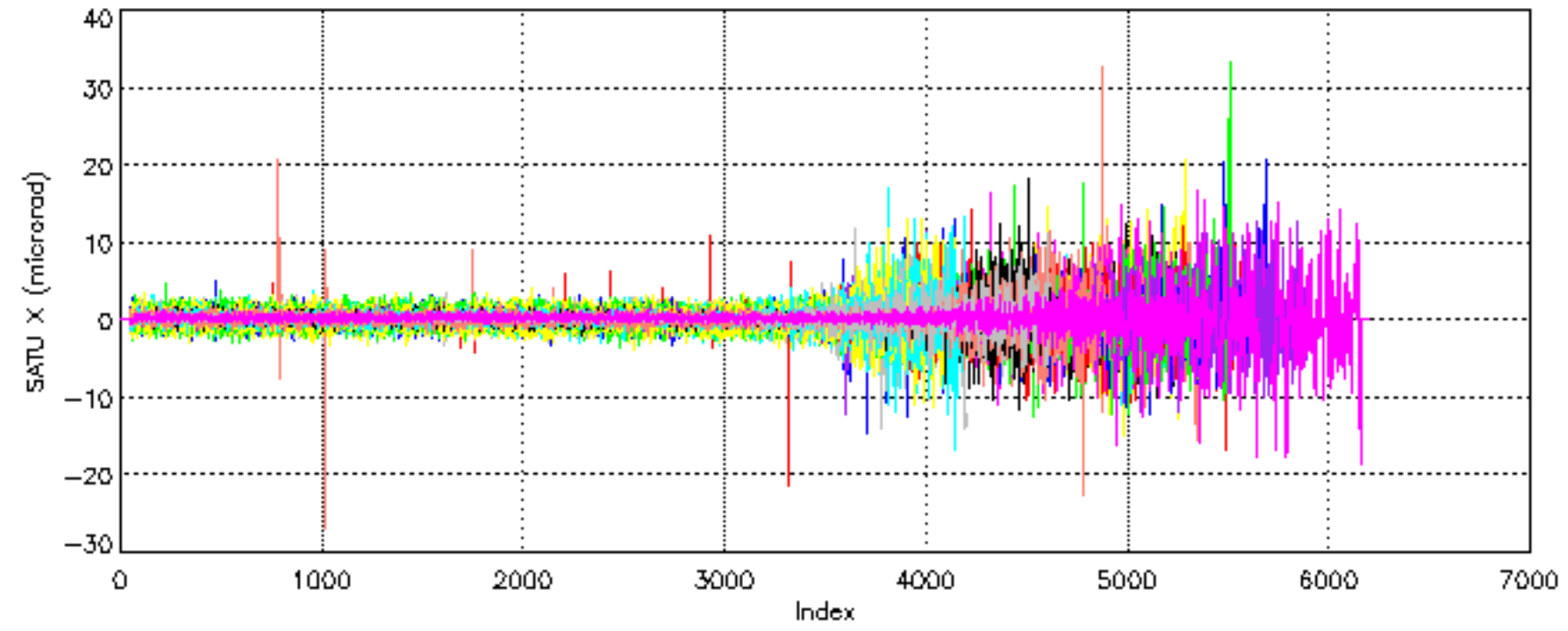


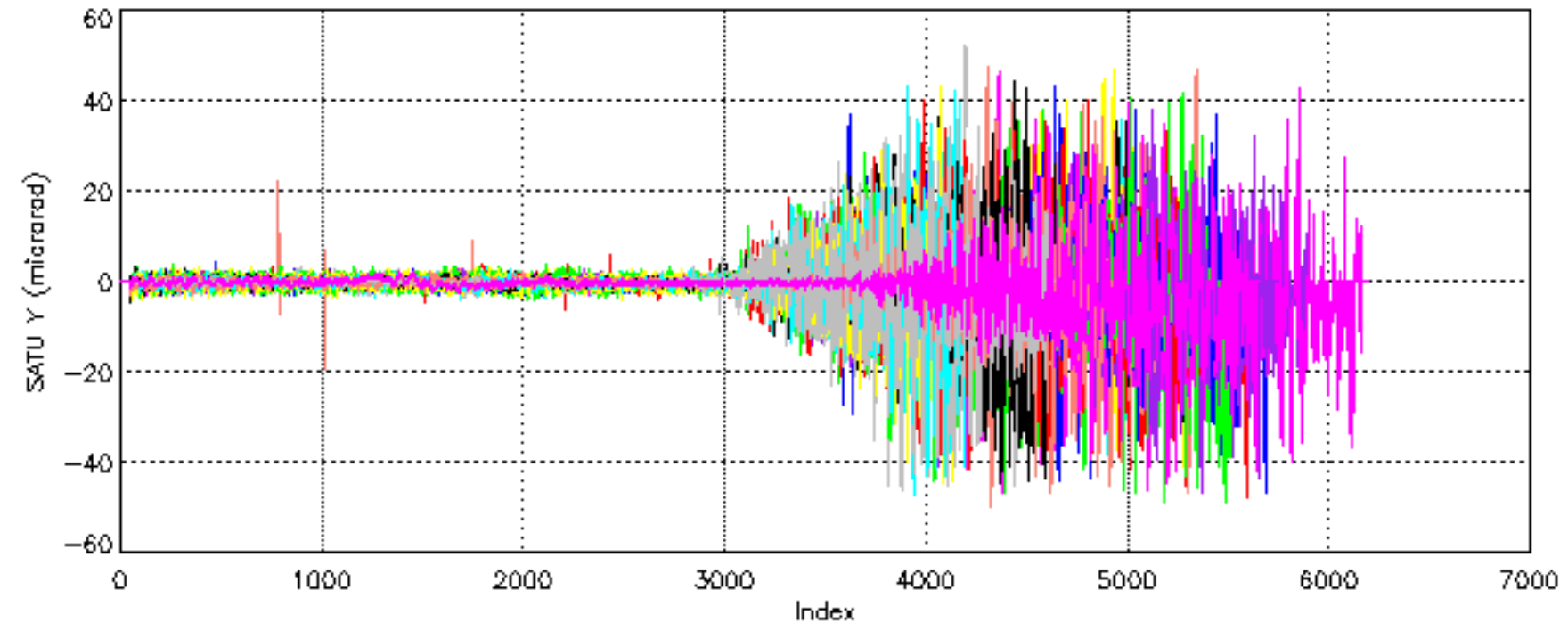
Tangent altitude at which the star is lost

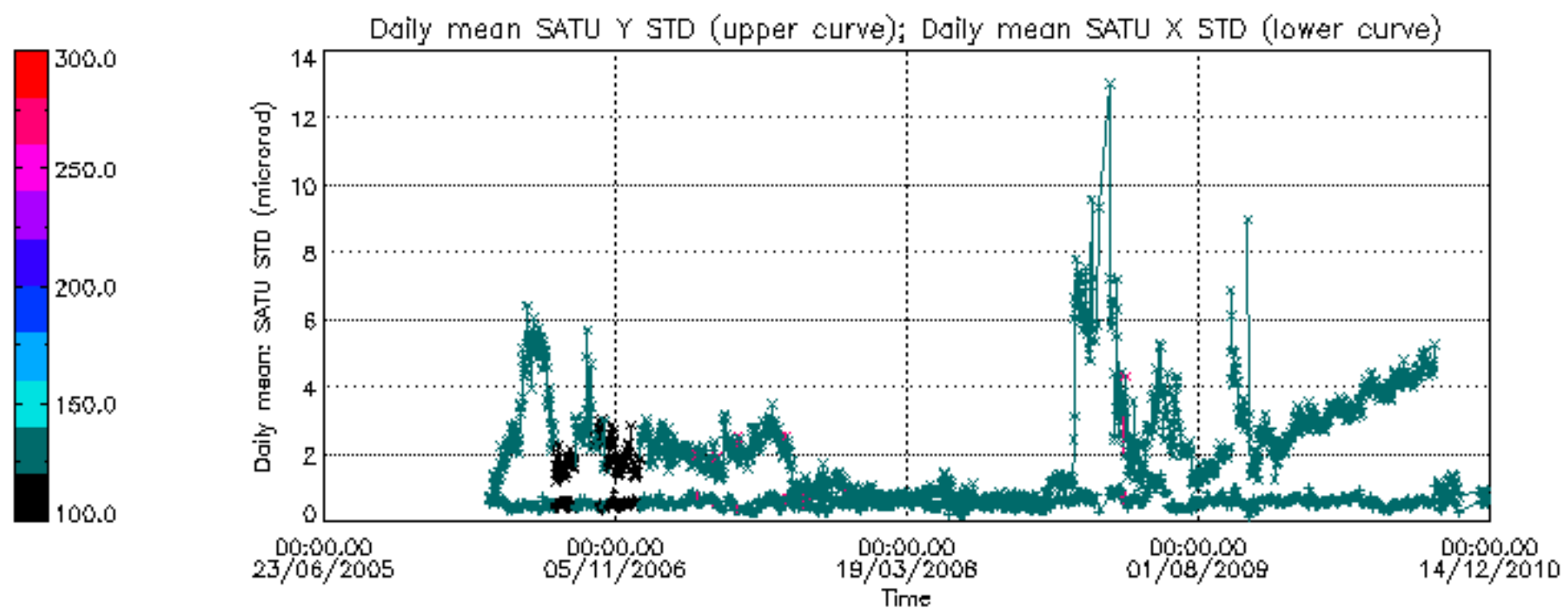


Tangent altitude at which the star is lost









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4; 404.8; 01-DEC-2010 00:39:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45764
5; 595.6; 01-DEC-2010 00:42:12; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;45764
6; 797.9; 01-DEC-2010 00:45:35; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;45764
7; 907.6; 01-DEC-2010 00:47:24; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;45764
8; 1181.6; 01-DEC-2010 00:51:58; Dark ; 47.0; 108; Alp Col ; 2.65; 15200;occ; 94; 0;45764
9; 1523.2; 01-DEC-2010 00:57:40; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;45764
10; 1739.4; 01-DEC-2010 01:01:16; Dark ; 68.5; 7; 19Bet Ori ; 0.10; 14000;occ; 137; 0;45764
11; 2218.1; 01-DEC-2010 01:09:15; Bright; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;45764
12; 2314.7; 01-DEC-2010 01:10:51; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 0;45764
13; 2456.2; 01-DEC-2010 01:13:13; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;45764
14; 2601.4; 01-DEC-2010 01:15:38; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;45764
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16; 2831.7; 01-DEC-2010 01:19:28; Bright; 53.0; 6; 13Alp Aur ; 0.08; 3400;occ; 106; 0;45764
17; 2940.4; 01-DEC-2010 01:21:17; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45764
18; 3801.3; 01-DEC-2010 01:35:38; Bright; 45.0; 36; 50Alp UMa ; 1.80; 6300;occ; 90; 0;45764
19; 3896.8; 01-DEC-2010 01:37:13; Bright; 68.0; 82; 48Bet UMa ; 2.37; 10600;occ; 136; 0;45764
20; 3994.3; 01-DEC-2010 01:38:51; Bright; 38.0; 32; 77Eps UMa ; 1.76; 11000;occ; 76; 0;45764
21; 4165.0; 01-DEC-2010 01:41:42; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;45764
22; 4326.2; 01-DEC-2010 01:44:23; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;45764
23; 4896.6; 01-DEC-2010 01:53:53; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;45764
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8; 1523.4; 01-DEC-2010 02:37:54; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;45765
9; 1739.4; 01-DEC-2010 02:41:30; Dark ; 59.0; 7; 19Bet Ori ; 0.10; 14000;occ; 118; 0;45765
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6; -1116.8; 01-DEC-2010 03:34:08; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;45765
7; -918.1; 01-DEC-2010 03:37:27; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;45765
8; -579.5; 01-DEC-2010 03:43:05; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;45765
9; -484.1; 01-DEC-2010 03:44:41; Dark ; 47.0; 171; 2Eps Crv ; 3.00; 4250;occ; 94; 0;45765
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11; 406.4; 01-DEC-2010 03:59:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45766
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13; 799.1; 01-DEC-2010 04:06:04; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;45766
14; 909.5; 01-DEC-2010 04:07:54; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45766
15; 1182.7; 01-DEC-2010 04:12:27; Dark ; 47.0; 108; Alp Col ; 2.65; 15200;occ; 94; 0;45766
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17; 1739.4; 01-DEC-2010 04:21:44; Dark ; 60.5; 7; 19Bet Ori ; 0.10; 14000;occ; 121; 0;45766
18; 2217.7; 01-DEC-2010 04:29:42; Bright; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 0;45766
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22; 2722.5; 01-DEC-2010 04:38:07; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45766
23; 2830.6; 01-DEC-2010 04:39:55; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;45766
24; 2938.8; 01-DEC-2010 04:41:44; Bright; 46.5; 42; 34Bet Aur ; 1.90; 10200;occ; 93; 0;45766

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3;	-2019.9;	01-DEC-2010	04:59:19;	Bright;	38.5;	32;	77Eps UMa	; 1.76;	11000;occ;	77;	0;	45766
4;	-1849.5;	01-DEC-2010	05:02:09;	Bright;	50.5;	174;	52Psi UMa	; 3.00;	4400;occ;	101;	0;	45766
5;	-1687.6;	01-DEC-2010	05:04:51;	Bright;	40.5;	152;	12Alp2CVn	; 2.89;	11000;occ;	81;	0;	45766
6;	-1116.1;	01-DEC-2010	05:14:23;	Bright;	62.0;	62;	94Bet Leo	; 2.14;	9700;occ;	124;	0;	45766
7;	-917.6;	01-DEC-2010	05:17:41;	Bright;	45.0;	121;	29Gam Vir	; 2.74;	7200;occ;	90;	0;	45766
8;	-578.6;	01-DEC-2010	05:23:20;	Dark	46.0;	100;	4Gam Crv	; 2.58;	13100;occ;	92;	0;	45766
9;	-483.1;	01-DEC-2010	05:24:56;	Dark	49.0;	171;	2Eps Crv	; 3.00;	4250;occ;	98;	0;	45766
10;	83.4;	01-DEC-2010	05:34:22;	Dark	47.0;	113;	Mu Vel	; 2.69;	5000;occ;	94;	0;	45767
11;	407.3;	01-DEC-2010	05:39:46;	Dark	59.5;	0;		; 0.00;	0;occ;	119;	0;	45767
12;	598.5;	01-DEC-2010	05:42:57;	Dark	48.5;	34;	Gam2Vel	; 1.79;	23000;occ;	97;	0;	45767
13;	799.8;	01-DEC-2010	05:46:19;	Dark	58.0;	2;	Alp Car	; -0.74;	7000;occ;	116;	0;	45767
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16;	1523.8;	01-DEC-2010	05:58:23;	Dark	51.0;	101;	11Alp Lep	; 2.58;	7000;occ;	102;	0;	45767
17;	1739.5;	01-DEC-2010	06:01:58;	Dark	58.0;	7;	19Bet Ori	; 0.10;	14000;occ;	116;	0;	45767
18;	2217.3;	01-DEC-2010	06:09:56;	Bright;	57.0;	13;	87Alp Tau	; 0.87;	3800;occ;	114;	0;	45767
19;	2314.5;	01-DEC-2010	06:11:33;	Bright;	39.5;	146;	25Eta Tau	; 2.87;	15200;occ;	79;	0;	45767
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22;	2722.2;	01-DEC-2010	06:18:21;	Bright;	37.0;	175;	39Del Per	; 3.01;	19400;occ;	74;	0;	45767
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11;	2598.4;	01-DEC-2010	21:18:24;	Bright;	38.5;	149;	45Eps Per	; 2.89;	30000;occ;	77;	0;	45776
12;	2720.5;	01-DEC-2010	21:20:26;	Bright;	52.5;	175;	39Del Per	; 3.01;	19400;occ;	105;	0;	45776
13;	2824.2;	01-DEC-2010	21:22:09;	Bright;	51.0;	6;	13Alp Aur	; 0.08;	3400;occ;	102;	0;	45776
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17;	3993.3;	01-DEC-2010	21:41:38;	Bright;	39.5;	32;	77Eps UMa	; 1.76;	11000;occ;	79;	0;	45776
18;	4161.7;	01-DEC-2010	21:44:27;	Bright;	35.0;	174;	52Psi UMa	; 3.00;	4400;occ;	70;	0;	45776
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8;	1187.3;	01-DEC-2010	22:35:06;	Dark	48.0;	108;	Alp Col	; 2.65;	15200;occ;	96;	0;	45777
9;	1525.4;	01-DEC-2010	22:40:45;	Dark	51.5;	101;	11Alp Lep	; 2.58;	7000;occ;	103;	0;	45777
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 13; 3993.6; 01-DEC-2010 16:40:57; Bright; 37.5; 32; 77Eps UMa ; 1.76; 11000;occ; 75; 0;45773
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 21; 6138.3; 04-DEC-2010 18:46:59; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;45818
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7; 2445.6; 05-DEC-2010 02:06:36; Bright; 20.0; 150; 44Zet Per ; 2.89; 28000;occ; 40; 0;45822
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16; 4862.1; 05-DEC-2010 02:46:52; Bright; 23.5; 138; 47Eps Vir ; 2.83; 4700;occ; 47; 17;45822
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 3; -50.6; 06-DEC-2010 22:31:19; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;45848
 4; 149.5; 06-DEC-2010 22:34:39; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;45849
 5; 475.2; 06-DEC-2010 22:40:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45849
 6; 668.3; 06-DEC-2010 22:43:18; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;45849
 7; 840.1; 06-DEC-2010 22:46:09; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;45849
 8; 974.5; 06-DEC-2010 22:48:24; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;45849
 9; 1214.5; 06-DEC-2010 22:52:24; Dark ; 44.5; 108; Alp Col ; 2.65; 15200;occ; 89; 0;45849
 10; 1535.6; 06-DEC-2010 22:57:45; Dark ; 51.5; 101; 11Alp Lep ; 2.58; 7000;occ; 103; 0;45849
 11; 1735.8; 06-DEC-2010 23:01:05; Dark ; 57.5; 7; 19Bet Ori ; 0.10; 14000;occ; 115; 0;45849
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 13; 2045.6; 06-DEC-2010 23:06:15; Dark ; 52.5; 27; 24Gam Ori ; 1.64; 26000;occ; 105; 0;45849
 14; 2194.7; 06-DEC-2010 23:08:44; Dark ; 59.0; 13; 87Alp Tau ; 0.87; 3800;occ; 118; 0;45849
 15; 2306.0; 06-DEC-2010 23:10:35; Bright; 36.5; 146; 25Eta Tau ; 2.87; 15200;occ; 73; 0;45849
 16; 2442.1; 06-DEC-2010 23:12:51; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;45849
 17; 2525.7; 06-DEC-2010 23:14:15; Bright; 44.0; 114; 3Iot Aur ; 2.69; 4600;occ; 88; 0;45849
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 23; 4120.1; 06-DEC-2010 23:40:49; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;45849
 24; 4330.2; 06-DEC-2010 23:44:20; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;45849
 25; 4671.5; 06-DEC-2010 23:50:01; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;45849
 26; 4871.5; 06-DEC-2010 23:53:21; Bright; 44.0; 138; 47Eps Vir ; 2.83; 4700;occ; 88; 0;45849
 27; 5150.4; 06-DEC-2010 23:58:00; Dark ; 53.5; 121; 29Gam Vir ; 2.74; 7200;occ; 107; 0;45849

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 3; -2027.7; 06-DEC-2010 06:56:15; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45839
 4; -1893.8; 06-DEC-2010 06:58:29; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;45839
 5; -1684.0; 06-DEC-2010 07:01:59; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;45839
 6; -1345.0; 06-DEC-2010 07:07:38; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;45839
 7; -1146.9; 06-DEC-2010 07:10:56; Bright; 45.0; 138; 47Eps Vir ; 2.83; 4700;occ; 90; 0;45839
 8; -870.5; 06-DEC-2010 07:15:33; Dark ; 55.0; 121; 29Gam Vir ; 2.74; 7200;occ; 110; 0;45839
 9; -514.6; 06-DEC-2010 07:21:28; Dark ; 50.0; 100; 4Gam Crv ; 2.58; 13100;occ; 100; 0;45839
 10; -418.3; 06-DEC-2010 07:23:05; Dark ; 51.0; 171; 2Eps Crv ; 3.00; 4250;occ; 102; 0;45839
 11; 142.2; 06-DEC-2010 07:32:25; Dark ; 54.0; 113; Mu Vel ; 2.69; 5000;occ; 108; 0;45840
 12; 467.8; 06-DEC-2010 07:37:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45840
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 14; 836.1; 06-DEC-2010 07:43:59; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;45840
 15; 967.9; 06-DEC-2010 07:46:11; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;45840
 16; 1211.5; 06-DEC-2010 07:50:15; Dark ; 45.0; 108; Alp Col ; 2.65; 15200;occ; 90; 0;45840
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 3; 2049.0; 06-DEC-2010 08:04:12; Dark ; 56.0; 27; 24Gam Ori ; 1.64; 26000;occ; 112; 0;45840
 4; 2196.9; 06-DEC-2010 08:06:40; Dark ; 59.0; 13; 87Alp Tau ; 0.87; 3800;occ; 118; 0;45840
 5; 2306.6; 06-DEC-2010 08:08:30; Bright; 39.0; 146; 25Eta Tau ; 2.87; 15200;occ; 78; 0;45840
 6; 2443.4; 06-DEC-2010 08:10:46; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;45840
 7; 2529.7; 06-DEC-2010 08:12:13; Bright; 44.0; 114; 3Iot Aur ; 2.69; 4600;occ; 88; 0;45840
 8; 2711.1; 06-DEC-2010 08:15:14; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45840
 9; 2873.9; 06-DEC-2010 08:17:57; Bright; 32.0; 42; 34Bet Aur ; 1.90; 10200;occ; 64; 0;45840

10; 3772.8; 06-DEC-2010 08:32:56; Bright; 46.5; 36; 50Alp UMA ; 1.80; 6300;occ; 93; 0;45840
 11; 3865.6; 06-DEC-2010 08:34:29; Bright; 47.0; 82; 48Bet UMA ; 2.37; 10600;occ; 94; 0;45840
 12; 3986.2; 06-DEC-2010 08:36:29; Bright; 41.0; 32; 77Eps UMA ; 1.76; 11000;occ; 82; 0;45840
 13; 4120.3; 06-DEC-2010 08:38:43; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;45840
 14; 4330.0; 06-DEC-2010 08:42:13; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;45840
 15; 4669.4; 06-DEC-2010 08:47:52; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;45840
 16; 4867.7; 06-DEC-2010 08:51:11; Bright; 45.0; 138; 47Eps Vir ; 2.83; 4700;occ; 90; 0;45840
 17; 5144.0; 06-DEC-2010 08:55:47; Dark ; 52.0; 121; 29Gam Vir ; 2.74; 7200;occ; 104; 0;45840
 18; 5500.3; 06-DEC-2010 09:01:43; Dark ; 51.0; 100; 4Gam Crv ; 2.58; 13100;occ; 102; 0;45840
 19; 5596.7; 06-DEC-2010 09:03:20; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;45840
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 23; 6850.5; 06-DEC-2010 09:24:14; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;45841
 24; 6982.9; 06-DEC-2010 09:26:26; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45841
 25; 7225.8; 06-DEC-2010 09:30:29; Dark ; 42.0; 108; Alp Col ; 2.65; 15200;occ; 84; 0;45841
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 5; 2306.6; 06-DEC-2010 09:48:44; Bright; 34.5; 146; 25Eta Tau ; 2.87; 15200;occ; 69; 0;45841
 6; 2443.3; 06-DEC-2010 09:51:00; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;45841
 7; 2529.3; 06-DEC-2010 09:52:26; Bright; 44.0; 114; 3Iot Aur ; 2.69; 4600;occ; 88; 0;45841
 8; 2710.8; 06-DEC-2010 09:55:28; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;45841
 9; 2873.0; 06-DEC-2010 09:58:10; Bright; 32.0; 42; 34Bet Aur ; 1.90; 10200;occ; 64; 0;45841
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 13; 4120.3; 06-DEC-2010 10:18:57; Bright; 37.0; 39; 85Eta UMA ; 1.85; 24000;occ; 74; 0;45841
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 23; 6850.9; 06-DEC-2010 11:04:28; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;45842
 24; 6983.4; 06-DEC-2010 11:06:41; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;45842
 25; 7226.1; 06-DEC-2010 11:10:43; Dark ; 43.0; 108; Alp Col ; 2.65; 15200;occ; 86; 0;45842
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 6; 2443.1; 06-DEC-2010 11:31:14; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45842
 7; 2528.8; 06-DEC-2010 11:32:40; Bright; 44.0; 114; 3Iot Aur ; 2.69; 4600;occ; 88; 0;45842
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 22; 6677.4; 06-DEC-2010 12:41:49; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;45843
 23; 6851.4; 06-DEC-2010 12:44:42; Dark ; 51.0; 2; Alp Car ; -0.74; 7000;occ; 102; 0;45843


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 3; 1891.4; 07-DEC-2010 14:05:47; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;45858
 4; 2042.8; 07-DEC-2010 14:08:18; Dark ; 56.5; 27; 24Gam Ori ; 1.64; 26000;occ; 113; 0;45858
 5; 2193.1; 07-DEC-2010 14:10:49; Dark ; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;45858
 6; 2305.7; 07-DEC-2010 14:12:41; Bright; 38.0; 146; 25Eta Tau ; 2.87; 15200;occ; 76; 0;45858
 7; 2441.4; 07-DEC-2010 14:14:57; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45858
 8; 2521.9; 07-DEC-2010 14:16:17; Bright; 43.0; 114; 3Iot Aur ; 2.69; 4600;occ; 86; 0;45858
 9; 2709.2; 07-DEC-2010 14:19:25; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45858
 10; 2859.6; 07-DEC-2010 14:21:55; Bright; 48.0; 42; 34Bet Aur ; 1.90; 10200;occ; 96; 0;45858
 11; 3765.5; 07-DEC-2010 14:37:01; Bright; 46.5; 36; 50Alp UMa ; 1.80; 6300;occ; 93; 0;45858
 12; 3857.4; 07-DEC-2010 14:38:33; Bright; 49.5; 82; 48Bet UMa ; 2.37; 10600;occ; 99; 0;45858
 13; 3983.8; 07-DEC-2010 14:40:39; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45858
 14; 4120.4; 07-DEC-2010 14:42:56; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;45858
 15; 4330.6; 07-DEC-2010 14:46:26; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;45858
 16; 4673.9; 07-DEC-2010 14:52:09; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;45858
 17; 4876.0; 07-DEC-2010 14:55:31; Bright; 64.0; 138; 47Eps Vir ; 2.83; 4700;occ; 128; 0;45858
 18; 5157.5; 07-DEC-2010 15:00:13; Dark ; 53.5; 121; 29Gam Vir ; 2.74; 7200;occ; 107; 0;45858
 19; 5432.9; 07-DEC-2010 15:04:48; Dark ; 43.0; 169; 46Gam Hya ; 2.99; 4700;occ; 86; 0;45858
 20; 5518.1; 07-DEC-2010 15:06:14; Dark ; 54.5; 100; 4Gam Crv ; 2.58; 13100;occ; 109; 0;45858
 21; 5614.4; 07-DEC-2010 15:07:50; Dark ; 50.0; 171; 2Eps Crv ; 3.00; 4250;occ; 100; 0;45858
 22; 5969.5; 07-DEC-2010 15:13:45; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;45858
 23; 6172.2; 07-DEC-2010 15:17:08; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45859
 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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1;	1537.2;	07-DEC-2010	15:40:07;	Dark	;	49.0;	101;	11Alp	Lep	;	2.58;	7000;	occ;	98;	0;	45859
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;	12Alp2	CVn	;	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
20;	5519.1;	07-DEC-2010	16:46:29;	Dark	;	50.0;	100;	4Gam	Crv	;	2.58;	13100;	occ;	100;	0;	45859
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;	Gam2	Vel	;	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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1;	1019.9;	07-DEC-2010	17:11:44;	Dark	;	56.5;	117;	Pi	Pup	;	2.71;	3800;	occ;	113;	75;	45860
2;	1218.4;	07-DEC-2010	17:15:02;	Dark	;	45.0;	108;	Alp	Col	;	2.65;	15200;	occ;	90;	0;	45860
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
9;	2440.9;	07-DEC-2010	17:35:24;	Bright;		37.5;	150;	44Zet	Per	;	2.89;	28000;	occ;	75;	0;	45860
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;	12Alp2	CVn	;	2.89;	11000;	occ;	81;	0;	45860
18;	4674.4;	07-DEC-2010	18:12:38;	Bright;		37.5;	111;	8Eta	Boo	;	2.68;	6000;	occ;	75;	0;	45860
19;	4876.9;	07-DEC-2010	18:16:01;	Bright;		45.5;	138;	47Eps	Vir	;	2.83;	4700;	occ;	91;	0;	45860
20;	5159.0;	07-DEC-2010	18:20:43;	Dark	;	51.5;	121;	29Gam	Vir	;	2.74;	7200;	occ;	103;	0;	45860
21;	5434.0;	07-DEC-2010	18:25:18;	Dark	;	43.5;	169;	46Gam	Hya	;	2.99;	4700;	occ;	87;	0;	45860
22;	5520.1;	07-DEC-2010	18:26:44;	Dark	;	49.0;	100;	4Gam	Crv	;	2.58;	13100;	occ;	98;	0;	45860
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;	Gam2	Vel	;	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
29;	6997.1;	07-DEC-2010	18:51:21;	Dark	;	0.5;	117;	Pi	Pup	;	2.71;	3800;	occ;	1;	0;	45861

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2;	1218.6;	07-DEC-2010	18:55:16;	Dark	;	43.5;	108;	Alp	Col	;	2.65;	15200;	occ;	87;	0;	45861
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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14; 3856.2; 07-DEC-2010 19:39:14; Bright; 50.5; 82; 48Bet UMa ; 2.37; 10600;occ; 101; 0;45861
15; 3983.3; 07-DEC-2010 19:41:21; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;45861
16; 4120.3; 07-DEC-2010 19:43:38; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;45861
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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21; 5434.5; 07-DEC-2010 20:05:32; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;45861
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
24; 5971.2; 07-DEC-2010 20:14:29; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;45861
25; 6174.6; 07-DEC-2010 20:17:52; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;45862
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27; 6692.8; 07-DEC-2010 20:26:31; Dark ; 54.0; 34; Gam2Vel ; 1.79; 23000;occ; 108; 0;45862
28; 6860.2; 07-DEC-2010 20:29:18; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;45862
29; 6998.0; 07-DEC-2010 20:31:36; Dark ; 37.5; 117; Pi Pup ; 2.71; 3800;occ; 75; 0;45862
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3; -2033.8; 09-DEC-2010 06:46:13; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45882
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
6; -1334.1; 09-DEC-2010 06:57:52; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;45882
7; -1126.3; 09-DEC-2010 07:01:20; Bright; 48.0; 138; 47Eps Vir ; 2.83; 4700;occ; 96; 0;45882
8; -838.0; 09-DEC-2010 07:06:08; Dark ; 54.0; 121; 29Gam Vir ; 2.74; 7200;occ; 108; 0;45882
9; -567.3; 09-DEC-2010 07:10:39; Dark ; 44.0; 169; 46Gam Hya ; 2.99; 4700;occ; 88; 0;45882
10; -471.1; 09-DEC-2010 07:12:15; Dark ; 50.5; 100; 4Gam Crv ; 2.58; 13100;occ; 101; 0;45882
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
14; 430.0; 09-DEC-2010 07:27:16; Dark ; 41.5; 91; Kap Vel ; 2.49; 26000;occ; 83; 0;45883
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17; 855.8; 09-DEC-2010 07:34:22; Dark ; 57.0; 2; Alp Car ; -0.74; 7000;occ; 114; 0;45883
18; 998.5; 09-DEC-2010 07:36:45; Dark ; 57.5; 117; Pi Pup ; 2.71; 3800;occ; 115; 0;45883
19; 1207.1; 09-DEC-2010 07:40:13; Dark ; 42.0; 23; 21Eps CMa ; 1.50; 26000;occ; 84; 0;45883
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2; -2174.9; 10-DEC-2010 06:07:08; Bright; 32.0; 82; 48Bet UMa ; 2.37; 10600;occ; 64; 0;45896
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5; -1682.5; 10-DEC-2010 06:15:20; Bright; 43.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 87; 0;45896
6; -1330.3; 10-DEC-2010 06:21:12; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;45896
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 27; 7060.3; 14-DEC-2010 14:35:18; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45959
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 13; 1523.4; 15-DEC-2010 02:24:54; Dark ; 56.0; 47; 2Bet CMA ; 1.98; 28000;occ; 112; 0;45966
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27; 2656.2; 15-DEC-2010 04:24:01; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;45967
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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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6; 33.4; 16-DEC-2010 01:23:20; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45980
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8; 2643.7; 16-DEC-2010 13:48:28; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45987
9; 2773.9; 16-DEC-2010 13:50:39; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45987
10; 3685.9; 16-DEC-2010 14:05:51; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;45987
11; 3960.2; 16-DEC-2010 14:10:25; Bright; 42.0; 32; 77Eps UMa ; 1.76; 11000;occ; 84; 0;45987
12; 4116.3; 16-DEC-2010 14:13:01; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;45987
13; 4317.7; 16-DEC-2010 14:16:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45987
14; 4510.6; 16-DEC-2010 14:19:35; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45987
15; 4709.9; 16-DEC-2010 14:22:55; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;45987
16; 4949.2; 16-DEC-2010 14:26:54; Bright; 42.0; 138; 47Eps Vir ; 2.83; 4700;occ; 84; 0;45987
17; 5307.5; 16-DEC-2010 14:32:52; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;45987
18; 5517.2; 16-DEC-2010 14:36:22; Dark ; 50.0; 169; 46Gam Hya ; 2.99; 4700;occ; 100; 0;45987
19; 5668.5; 16-DEC-2010 14:38:53; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45987
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21; 5955.2; 16-DEC-2010 14:43:40; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;45987
22; 6053.1; 16-DEC-2010 14:45:18; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45988
23; 6284.3; 16-DEC-2010 14:49:09; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45988
24; 6509.0; 16-DEC-2010 14:52:54; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45988
25; 6597.6; 16-DEC-2010 14:54:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45988
26; 6788.2; 16-DEC-2010 14:57:33; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;45988
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
30; 7376.7; 16-DEC-2010 15:07:21; Dark ; 24.5; 179; 240mi2CMa ; 3.03; 24000;occ; 49; 0;45988

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5; 2176.7; 16-DEC-2010 15:20:55; Dark ; 45.5; 13; 87Alp Tau ; 0.87; 3800;occ; 91; 0;45988
6; 2307.2; 16-DEC-2010 15:23:06; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;45988
7; 2430.1; 16-DEC-2010 15:25:09; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;45988
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9; 2773.4; 16-DEC-2010 15:30:52; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45988
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11; 3960.0; 16-DEC-2010 15:50:39; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;45988
12; 4116.2; 16-DEC-2010 15:53:15; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;45988
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
15; 4710.3; 16-DEC-2010 16:03:09; Bright; 61.0; 111; 8Eta Boo ; 2.68; 6000;occ; 122; 0;45988
16; 4950.1; 16-DEC-2010 16:07:09; Bright; 33.0; 138; 47Eps Vir ; 2.83; 4700;occ; 66; 0;45988
17; 5308.3; 16-DEC-2010 16:13:07; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;45988
18; 5518.0; 16-DEC-2010 16:16:37; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;45988
19; 5669.8; 16-DEC-2010 16:19:09; Dark ; 53.5; 106; 9Bet Crv ; 2.65; 5600;occ; 107; 0;45988
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21; 5955.9; 16-DEC-2010 16:23:55; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;45988
22; 6053.9; 16-DEC-2010 16:25:33; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;45989
23; 6285.4; 16-DEC-2010 16:29:24; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;45989
24; 6509.7; 16-DEC-2010 16:33:08; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;45989
25; 6598.5; 16-DEC-2010 16:34:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45989
26; 6789.0; 16-DEC-2010 16:37:48; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;45989
27; 6916.1; 16-DEC-2010 16:39:55; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45989
28; 7077.6; 16-DEC-2010 16:42:36; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;45989
29; 7270.7; 16-DEC-2010 16:45:49; Dark ; 6.5; 23; 21Eps CMa ; 1.50; 26000;occ; 13; 0;45989

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2; 1362.9; 16-DEC-2010 16:47:36; Dark ; 25.0; 179; 240mi2CMa ; 3.03; 24000;occ; 50; 0;45989
3; 1526.8; 16-DEC-2010 16:50:20; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45989
4; 1738.4; 16-DEC-2010 16:53:51; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;45989
5; 1871.4; 16-DEC-2010 16:56:04; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;45989
6; 2057.5; 16-DEC-2010 16:59:10; Dark ; 67.0; 14; 58Alp Ori ; 0.87; 3000;occ; 134; 0;45989
7; 2176.5; 16-DEC-2010 17:01:09; Dark ; 51.5; 13; 87Alp Tau ; 0.87; 3800;occ; 103; 0;45989
8; 2306.5; 16-DEC-2010 17:03:19; Bright; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;45989
9; 2429.4; 16-DEC-2010 17:05:22; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45989
10; 2642.4; 16-DEC-2010 17:08:55; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45989
11; 2772.8; 16-DEC-2010 17:11:06; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45989
12; 3685.7; 16-DEC-2010 17:26:19; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;45989
13; 3959.8; 16-DEC-2010 17:30:53; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45989
14; 4116.0; 16-DEC-2010 17:33:29; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;45989

15; 4317.9; 16-DEC-2010 17:36:51; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45989
 16; 4510.9; 16-DEC-2010 17:40:04; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45989
 17; 4710.6; 16-DEC-2010 17:43:24; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;45989
 18; 4950.7; 16-DEC-2010 17:47:24; Bright; 33.0; 138; 47Eps Vir ; 2.83; 4700;occ; 66; 0;45989
 19; 5309.0; 16-DEC-2010 17:53:22; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;45989
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 21; 5670.8; 16-DEC-2010 17:59:24; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;45989
 22; 5768.1; 16-DEC-2010 18:01:01; Dark ; 46.0; 171; 2Eps Crv ; 3.00; 4250;occ; 92; 0;45989
 23; 5956.4; 16-DEC-2010 18:04:09; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;45989
 24; 6054.5; 16-DEC-2010 18:05:47; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;45990
 25; 6286.2; 16-DEC-2010 18:09:39; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45990
 26; 6510.2; 16-DEC-2010 18:13:23; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;45990
 27; 6599.2; 16-DEC-2010 18:14:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45990
 28; 6789.6; 16-DEC-2010 18:18:02; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;45990
 29; 6916.7; 16-DEC-2010 18:20:10; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;45990
 30; 7078.0; 16-DEC-2010 18:22:51; Dark ; 30.5; 117; Pi Pup ; 2.71; 3800;occ; 61; 0;45990

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1; -698.6; 17-DEC-2010 00:34:24; Dark ; 57.0; 15; 67Alp Vir ; 0.98; 28000;occ; 114; 7;45993
 2; -492.4; 17-DEC-2010 00:37:50; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;45993
 3; -240.6; 17-DEC-2010 00:42:02; Dark ; 35.0; 171; 2Eps Crv ; 3.00; 4250;occ; 70; 0;45993
 4; -55.2; 17-DEC-2010 00:45:08; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45993
 5; 43.0; 17-DEC-2010 00:46:46; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;45994
 6; 275.5; 17-DEC-2010 00:50:38; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45994
 7; 498.6; 17-DEC-2010 00:54:22; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;45994
 8; 588.1; 17-DEC-2010 00:55:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45994
 9; 778.2; 17-DEC-2010 00:59:01; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;45994
 10; 905.4; 17-DEC-2010 01:01:08; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;45994
 11; 1065.9; 17-DEC-2010 01:03:49; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;45994
 12; 1258.4; 17-DEC-2010 01:07:01; Dark ; 52.5; 23; 21Eps CMa ; 1.50; 26000;occ; 105; 0;45994
 13; 1364.4; 17-DEC-2010 01:08:47; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;45994
 14; 1527.5; 17-DEC-2010 01:11:30; Dark ; 51.0; 47; 2Bet CMa ; 1.98; 28000;occ; 102; 0;45994
 15; 1738.3; 17-DEC-2010 01:15:01; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;45994
 16; 1870.9; 17-DEC-2010 01:17:14; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;45994
 17; 2055.8; 17-DEC-2010 01:20:19; Dark ; 58.5; 14; 58Alp Ori ; 0.87; 3000;occ; 117; 0;45994
 18; 2176.1; 17-DEC-2010 01:22:19; Dark ; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;45994
 19; 2304.3; 17-DEC-2010 01:24:27; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;45994
 20; 2427.4; 17-DEC-2010 01:26:30; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;45994
 21; 2639.5; 17-DEC-2010 01:30:02; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;45994
 22; 2770.0; 17-DEC-2010 01:32:13; Bright; 45.0; 42; 34Bet Aur ; 1.90; 10200;occ; 90; 0;45994
 23; 3685.4; 17-DEC-2010 01:47:28; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;45994
 24; 3958.4; 17-DEC-2010 01:52:01; Bright; 43.5; 32; 77Eps UMa ; 1.76; 11000;occ; 87; 0;45994
 25; 4115.5; 17-DEC-2010 01:54:38; Bright; 43.0; 39; 85Eta UMa ; 1.85; 24000;occ; 86; 0;45994
 26; 4318.1; 17-DEC-2010 01:58:01; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;45994
 27; 4511.5; 17-DEC-2010 02:01:14; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;45994
 28; 4712.1; 17-DEC-2010 02:04:35; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;45994

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 3; -239.1; 17-DEC-2010 02:22:18; Dark ; 29.0; 171; 2Eps Crv ; 3.00; 4250;occ; 58; 0;45994
 4; 43.9; 17-DEC-2010 02:27:01; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;45995
 5; 276.5; 17-DEC-2010 02:30:53; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45995
 6; 499.3; 17-DEC-2010 02:34:36; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;45995
 7; 588.8; 17-DEC-2010 02:36:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45995
 8; 778.9; 17-DEC-2010 02:39:16; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;45995
 9; 906.3; 17-DEC-2010 02:41:23; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;45995
 10; 1066.6; 17-DEC-2010 02:44:03; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;45995
 11; 1259.0; 17-DEC-2010 02:47:16; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;45995
 12; 1364.8; 17-DEC-2010 02:49:02; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;45995
 13; 1527.6; 17-DEC-2010 02:51:44; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45995
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 15; 1870.9; 17-DEC-2010 02:57:28; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;45995
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 17; 2176.2; 17-DEC-2010 03:02:33; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;45995
 18; 2304.1; 17-DEC-2010 03:04:41; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;45995
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 3;-1898.5; 17-DEC-2010 03:34:52; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;45995
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 5;-1502.3; 17-DEC-2010 03:41:29; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45995
 6;-1301.7; 17-DEC-2010 03:44:49; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;45995
 7; -700.5; 17-DEC-2010 03:54:50; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;45995
 8; -414.7; 17-DEC-2010 03:59:36; Dark ; 54.5; 163; 7Del Crv ; 2.94; 11000;occ; 109; 0;45995
 9; -336.8; 17-DEC-2010 04:00:54; Dark ; 60.0; 106; 9Bet Crv ; 2.65; 5600;occ; 120; 0;45995
 10; -237.8; 17-DEC-2010 04:02:33; Dark ; 29.0; 171; 2Eps Crv ; 3.00; 4250;occ; 58; 0;45995
 11; -54.1; 17-DEC-2010 04:05:37; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45995
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 13; 277.4; 17-DEC-2010 04:11:08; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45996
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 16; 779.7; 17-DEC-2010 04:19:31; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;45996
 17; 907.1; 17-DEC-2010 04:21:38; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;45996
 18; 1067.3; 17-DEC-2010 04:24:18; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;45996
 19; 1259.5; 17-DEC-2010 04:27:30; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;45996
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 21; 1527.9; 17-DEC-2010 04:31:59; Dark ; 49.5; 47; 2Bet CMa ; 1.98; 28000;occ; 99; 0;45996
 22; 1738.6; 17-DEC-2010 04:35:30; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;45996
 23; 1870.9; 17-DEC-2010 04:37:42; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;45996
 24; 2055.4; 17-DEC-2010 04:40:46; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 0;45996
 25; 2176.2; 17-DEC-2010 04:42:47; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;45996
 26; 2303.7; 17-DEC-2010 04:44:55; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;45996
 27; 2426.9; 17-DEC-2010 04:46:58; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45996
 28; 2638.4; 17-DEC-2010 04:50:29; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45996
 29; 2769.0; 17-DEC-2010 04:52:40; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45996
 30; 3685.5; 17-DEC-2010 05:07:56; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;45996

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27; 7276.3; 17-DEC-2010 16:09:11; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;46003
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13; 4322.3; 20-DEC-2010 13:29:47; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;46044
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23; 6638.8; 20-DEC-2010 14:08:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46045
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26; 7106.8; 20-DEC-2010 14:16:11; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;46045
27; 7292.5; 20-DEC-2010 14:19:17; Dark ; 52.5; 23; 21Eps CMa ; 1.50; 26000;occ; 105; 0;46045
28; 7394.4; 20-DEC-2010 14:20:59; Dark ; 52.5; 179; 240mi2CMa ; 3.03; 24000;occ; 105; 0;46045

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6; 2287.7; 20-DEC-2010 14:36:06; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;46045
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 17; 5564.5; 20-DEC-2010 15:30:43; Dark ; 51.5; 169; 46Gam Hya ; 2.99; 4700;occ; 103; 0;46045
 18; 5736.5; 20-DEC-2010 15:33:35; Dark ; 60.0; 106; 9Bet Crv ; 2.65; 5600;occ; 120; 0;46045
 19; 5993.3; 20-DEC-2010 15:37:52; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;46045
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 21; 6336.7; 20-DEC-2010 15:43:35; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;46046
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 25; 6827.9; 20-DEC-2010 17:32:00; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;46047
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 16; 4322.5; 20-DEC-2010 18:30:29; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;46047
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 18; 4730.0; 20-DEC-2010 18:37:16; Bright; 44.0; 111; 8Eta Boo ; 2.68; 6000;occ; 88; 0;46047
 19; 5355.7; 20-DEC-2010 18:47:42; Dark ; 53.0; 15; 67Alp Vir ; 0.98; 28000;occ; 106; 0;46047
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 21; 5738.9; 20-DEC-2010 18:54:05; Dark ; 56.0; 106; 9Bet Crv ; 2.65; 5600;occ; 112; 0;46047
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21; 5566.9; 20-DEC-2010 20:31:28; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;46048
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3; -1903.3; 21-DEC-2010 02:48:07; Bright; 60.0; 39; 85Eta UMa ; 1.85; 24000;occ; 120; 0;46052
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9; 3942.4; 21-DEC-2010 11:06:29; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;46057
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13; 3937.3; 22-DEC-2010 17:10:37; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;46075
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8; 3680.7; 24-DEC-2010 10:52:11; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46100
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13; 4750.3; 24-DEC-2010 11:10:00; Bright; 68.0; 111; 8Eta Boo ; 2.68; 6000;occ; 136; 0;46100
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 27; 7410.1; 24-DEC-2010 11:54:20; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;46101
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 23; 6682.6; 24-DEC-2010 15:02:40; Dark ; 44.5; 41; Eps Car ; 1.86; 4100;occ; 89; 0;46103
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23; 6578.7; 24-DEC-2010 16:41:11; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46104
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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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15;	4104.8;	24-DEC-2010	19:20:25;	Bright;	43.5;	39;	85Eta UMa	;	1.85;	24000;occ;	87;	0;46105
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18;	4752.3;	24-DEC-2010	19:31:12;	Bright;	68.0;	111;	8Eta Boo	;	2.68;	6000;occ;	136;	0;46105
19;	5276.0;	24-DEC-2010	19:39:56;	Bright;	37.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	74;	0;46105
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21;	5674.4;	24-DEC-2010	19:46:35;	Dark ;	44.5;	54;	5The Cen	;	2.06;	4500;occ;	89;	0;46105
22;	5794.1;	24-DEC-2010	19:48:34;	Dark ;	44.0;	123;	Iot Cen	;	2.75;	10200;occ;	88;	0;46105
23;	6035.7;	24-DEC-2010	19:52:36;	Dark ;	43.0;	64;	Gam Cen	;	2.20;	10600;occ;	86;	0;46106
24;	6131.4;	24-DEC-2010	19:54:11;	Dark ;	59.5;	0;		;	0.00;	0;occ;	119;	0;46106
25;	6391.1;	24-DEC-2010	19:58:31;	Dark ;	50.5;	113;	Mu Vel	;	2.69;	5000;occ;	101;	0;46106
26;	6579.9;	24-DEC-2010	20:01:40;	Dark ;	42.5;	71;	Iot Car	;	2.25;	7700;occ;	85;	0;46106
27;	6684.2;	24-DEC-2010	20:03:24;	Dark ;	56.5;	41;	Eps Car	;	1.86;	4100;occ;	113;	0;46106
28;	6769.1;	24-DEC-2010	20:04:49;	Dark ;	58.5;	65;	Lam Vel	;	2.20;	4400;occ;	117;	0;46106
29;	6865.0;	24-DEC-2010	20:06:25;	Dark ;	46.0;	34;	Gam2Vel	;	1.79;	23000;occ;	92;	0;46106
30;	6995.5;	24-DEC-2010	20:08:36;	Dark ;	28.0;	70;	Zet Pup	;	2.25;	39000;occ;	56;	0;46106
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2;	-338.0;	25-DEC-2010	00:47:18;	Dark ;	47.5;	54;	5The Cen	;	2.06;	4500;occ;	95;	0;46108
3;	23.9;	25-DEC-2010	00:53:20;	Dark ;	42.0;	64;	Gam Cen	;	2.20;	10600;occ;	84;	0;46109
4;	120.0;	25-DEC-2010	00:54:56;	Dark ;	59.5;	0;		;	0.00;	0;occ;	119;	0;46109
5;	379.8;	25-DEC-2010	00:59:16;	Dark ;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;46109
6;	567.5;	25-DEC-2010	01:02:24;	Dark ;	41.0;	71;	Iot Car	;	2.25;	7700;occ;	82;	0;46109
7;	671.5;	25-DEC-2010	01:04:08;	Dark ;	55.0;	41;	Eps Car	;	1.86;	4100;occ;	110;	0;46109
8;	757.5;	25-DEC-2010	01:05:34;	Dark ;	58.5;	65;	Lam Vel	;	2.20;	4400;occ;	117;	0;46109
9;	983.3;	25-DEC-2010	01:09:19;	Dark ;	50.0;	70;	Zet Pup	;	2.25;	39000;occ;	100;	0;46109
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11;	1300.6;	25-DEC-2010	01:14:37;	Dark ;	50.0;	23;	21Eps CMa	;	1.50;	26000;occ;	100;	0;46109
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
15;	1866.5;	25-DEC-2010	01:24:03;	Dark ;	45.5;	30;	46Eps Ori	;	1.69;	30000;occ;	91;	0;46109
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18;	2396.3;	25-DEC-2010	01:32:52;	Bright;	39.5;	28;	12Bet Tau	;	1.65;	15200;occ;	79;	0;46109
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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6;	120.8;	25-DEC-2010	02:35:11;	Dark ;	59.5;	0;		;	0.00;	0;occ;	119;	0;46110
7;	380.6;	25-DEC-2010	02:39:31;	Dark ;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;46110
8;	568.2;	25-DEC-2010	02:42:38;	Dark ;	41.5;	71;	Iot Car	;	2.25;	7700;occ;	83;	0;46110
9;	672.1;	25-DEC-2010	02:44:22;	Dark ;	45.5;	41;	Eps Car	;	1.86;	4100;occ;	91;	0;46110
10;	758.5;	25-DEC-2010	02:45:49;	Dark ;	67.5;	65;	Lam Vel	;	2.20;	4400;occ;	135;	0;46110
11;	853.2;	25-DEC-2010	02:47:23;	Dark ;	44.5;	34;	Gam2Vel	;	1.79;	23000;occ;	89;	0;46110
12;	983.9;	25-DEC-2010	02:49:34;	Dark ;	51.5;	70;	Zet Pup	;	2.25;	39000;occ;	103;	0;46110
13;	1123.3;	25-DEC-2010	02:51:53;	Dark ;	52.5;	117;	Pi Pup	;	2.71;	3800;occ;	105;	0;46110
14;	1301.0;	25-DEC-2010	02:54:51;	Dark ;	47.5;	23;	21Eps CMa	;	1.50;	26000;occ;	95;	0;46110
15;	1398.7;	25-DEC-2010	02:56:29;	Dark ;	49.0;	179;	240mi2CMa	;	3.03;	24000;occ;	98;	0;46110
16;	1558.0;	25-DEC-2010	02:59:08;	Dark ;	52.0;	1;	9Alp CMa	;	-1.44;	11000;occ;	104;	0;46110
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11; 25.3; 25-DEC-2010 04:13:49; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;46111
12; 121.7; 25-DEC-2010 04:15:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46111
13; 381.5; 25-DEC-2010 04:19:46; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46111
14; 568.8; 25-DEC-2010 04:22:53; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46111
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16; 759.4; 25-DEC-2010 04:26:03; Dark ; 59.5; 65; Lam Vel ; 2.20; 4400;occ; 119; 0;46111
17; 853.7; 25-DEC-2010 04:27:38; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;46111
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23; 1747.2; 25-DEC-2010 04:42:31; Dark ; 54.0; 7; 19Bet Ori ; 0.10; 14000;occ; 108; 0;46111
24; 1866.4; 25-DEC-2010 04:44:30; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;46111
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11; 26.1; 25-DEC-2010 05:54:04; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;46112
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13; 382.4; 25-DEC-2010 06:00:01; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46112
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27; 2395.8; 25-DEC-2010 06:33:34; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;46112
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 13; 3679.2; 25-DEC-2010 21:57:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46121
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 15; 4102.3; 25-DEC-2010 22:04:07; Bright; 63.0; 39; 85Eta UMa ; 1.85; 24000;occ; 126; 0;46121
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 17; 4534.6; 25-DEC-2010 22:11:19; Bright; 58.0; 83; ; 2.38; 11000;occ; 116; 0;46121
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13; 4331.0; 31-DEC-2010 15:07:05; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 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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 12; 3892.1; 31-DEC-2010 16:40:00; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 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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 13; 3891.6; 31-DEC-2010 18:20:14; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;46205
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 22; 6112.9; 31-DEC-2010 18:57:15; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46206
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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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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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12;	2677.7;	31-DEC-2010	19:40:14;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;occ;	82;	0;46206
13;	3672.2;	31-DEC-2010	19:56:49;	Bright;	;	35.0;	60;	7Bet UMi	;	2.08;	3950;occ;	70;	0;46206
14;	3891.1;	31-DEC-2010	20:00:28;	Bright;	;	49.5;	32;	77Eps UMa	;	1.76;	11000;occ;	99;	0;46206
15;	4087.7;	31-DEC-2010	20:03:44;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;occ;	132;	0;46206
16;	4330.9;	31-DEC-2010	20:07:47;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;occ;	124;	0;46206
17;	4551.4;	31-DEC-2010	20:11:28;	Bright;	;	62.0;	83;		;	2.38;	11000;occ;	124;	0;46206
18;	4746.2;	31-DEC-2010	20:14:43;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	107;	0;46206
19;	5169.6;	31-DEC-2010	20:21:46;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;46206
20;	5327.7;	31-DEC-2010	20:24:24;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	91;	0;46206
21;	5739.5;	31-DEC-2010	20:31:16;	Dark	;	48.5;	54;	5The Cen	;	2.06;	4500;occ;	97;	0;46206
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23;	6113.8;	31-DEC-2010	20:37:30;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;46207
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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