

GOMOS Daily Report 30-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	02JAN2011 05:03:45
Data source version	GOMOS/5.01
Start time of products	30DEC2010 00:00:40
Stop time of products	30DEC2010 23:57:44
Store outputs in DB	Yes
Nb of level 1b prods	194
Nb of prods with errors	0

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

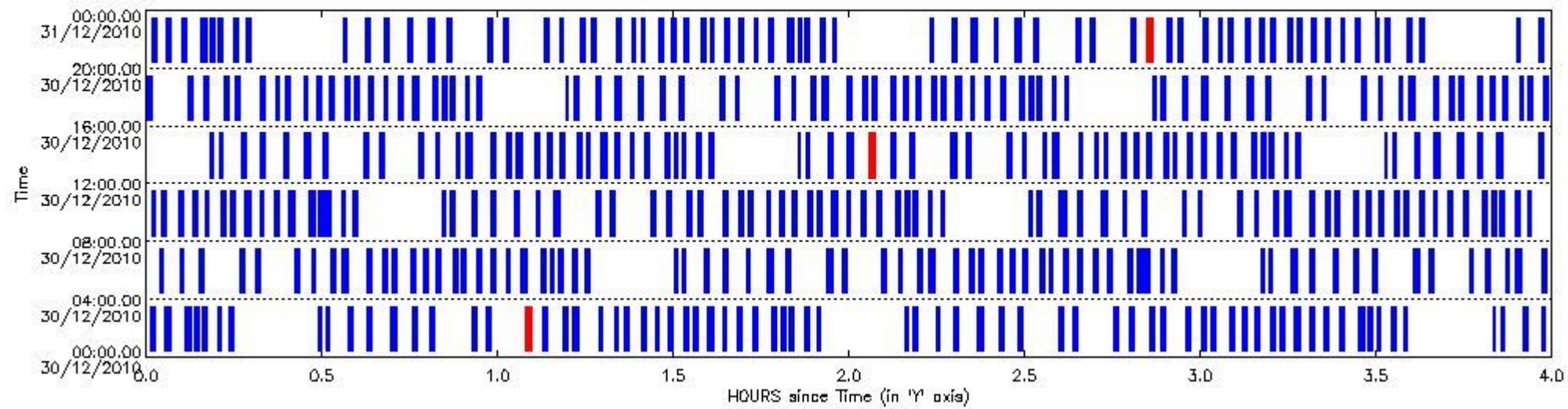
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
30-DEC-2010 01:04:49	5TheCen	54	46180
30-DEC-2010 14:03:30	27GamBoo	180	46188
30-DEC-2010 22:50:47	ZetCen	95	46193

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_1PNPDE20101230_000040_000000453098_00045_46180_0248.N1	30-DEC-2010 00:00:40	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	46180	No
2	GOM_TRA_1PNPDE20101230_000314_000000563098_00045_46180_0249.N1	30-DEC-2010 00:03:14	Twilight_stray	56.000	14	58Alp Ori	0.87000	3000.0	112	46180	No
3	GOM_TRA_1PNPDE20101230_000637_000000573098_00045_46180_0250.N1	30-DEC-2010 00:06:37	Bright	57.000	44	24Gam Gem	1.9280	11000.	114	46180	No
4	GOM_TRA_1PNPDE20101230_000814_000000513098_00045_46180_0251.N1	30-DEC-2010 00:08:14	Bright	51.000	151	13Mu Gem	2.8900	3000.0	102	46180	No
5	GOM_TRA_1PNPDE20101230_000936_000000473098_00045_46180_0252.N1	30-DEC-2010 00:09:36	Bright	46.500	170	27Eps Gem	3.0000	9700.0	93	46180	No
6	GOM_TRA_1PNPDE20101230_001211_000000393098_00045_46180_0253.N1	30-DEC-2010 00:12:11	Bright	39.000	107	37The Aur	2.6490	11000.	78	46180	No
7	GOM_TRA_1PNPDE20101230_001412_000000433098_00045_46180_0254.N1	30-DEC-2010 00:14:12	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	46180	No
8	GOM_TRA_1PNPDE20101230_002926_000000303098_00045_46180_0255.N1	30-DEC-2010 00:29:26	Twilight_stray	30.000	36	50Alp UMa	1.8000	6300.0	60	46180	No

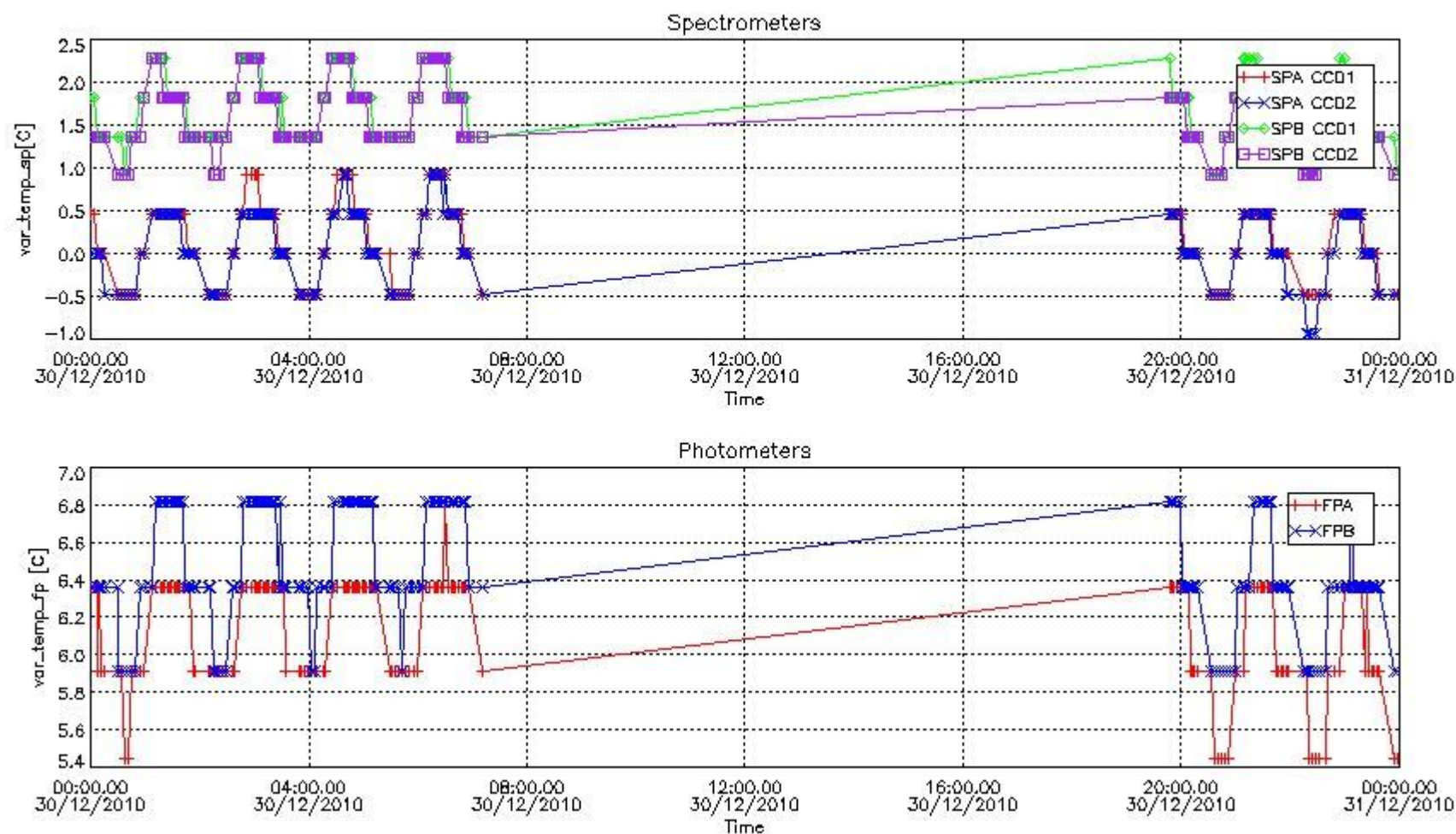
9	GOM_TRA_1PNPDE20101230_003046_000000353098_00045_46180_0256.N1	30-DEC-2010 00:30:46	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	46180	No
10	GOM_TRA_1PNPDE20101230_003433_000000473098_00045_46180_0257.N1	30-DEC-2010 00:34:33	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	46180	No
11	GOM_TRA_1PNPDE20101230_003744_000000433098_00045_46180_0258.N1	30-DEC-2010 00:37:44	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	46180	No
12	GOM_TRA_1PNPDE20101230_004142_000000613098_00045_46180_0259.N1	30-DEC-2010 00:41:42	Bright	61.000	180	27Gam Boo	3.0400	8000.0	122	46180	No
13	GOM_TRA_1PNPDE20101230_004518_000000613098_00045_46180_0260.N1	30-DEC-2010 00:45:18	Bright	61.000	83		2.3780	11000.	122	46180	No
14	GOM_TRA_1PNPDE20101230_004827_000000523098_00045_46180_0261.N1	30-DEC-2010 00:48:27	Bright	51.500	3	16Alp Boo	-0.050000	4250.0	103	46180	No
15	GOM_TRA_1PNPDE20101230_005530_000000553098_00045_46180_0262.N1	30-DEC-2010 00:55:30	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	46180	No
16	GOM_TRA_1PNPDE20101230_005805_000000403098_00045_46180_0272.N1	30-DEC-2010 00:58:05	Tw_i_and_stray	40.000	122	9Alp2Lib	2.7470	9700.0	80	46180	No
17	GOM_TRA_1PNPDE20101230_010741_000000403098_00045_46180_0273.N1	30-DEC-2010 01:07:41	Dark	40.000	95	Zet Cen	2.5450	26000.	80	46180	No
18	GOM_TRA_1PNPDE20101230_011105_000000483098_00046_46181_0274.N1	30-DEC-2010 01:11:05	Dark	47.500	64	Gam Cen	2.2000	10600.	95	46181	No
19	GOM_TRA_1PNPDE20101230_011710_000000493098_00046_46181_0275.N1	30-DEC-2010 01:17:10	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	46181	No
20	GOM_TRA_1PNPDE20101230_011954_000000413098_00046_46181_0276.N1	30-DEC-2010 01:19:54	Dark	40.500	71	lot Car	2.2460	7700.0	81	46181	No
21	GOM_TRA_1PNPDE20101230_012131_000000473098_00046_46181_0277.N1	30-DEC-2010 01:21:31	Dark	47.000	41	Eps Car	1.8600	4100.0	94	46181	No
22	GOM_TRA_1PNPDE20101230_012439_000000463098_00046_46181_0278.N1	30-DEC-2010 01:24:39	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	46181	No
23	GOM_TRA_1PNPDE20101230_012650_000000453098_00046_46181_0279.N1	30-DEC-2010 01:26:50	Dark	45.000	70	Zet Pup	2.2460	39000.	90	46181	No
24	GOM_TRA_1PNPDE20101230_012858_000000483098_00046_46181_0280.N1	30-DEC-2010 01:28:58	Dark	48.000	117	Pi Pup	2.7060	3800.0	96	46181	No
25	GOM_TRA_1PNPDE20101230_013149_000000473098_00046_46181_0281.N1	30-DEC-2010 01:31:49	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	46181	No
26	GOM_TRA_1PNPDE20101230_013322_000000463098_00046_46181_0282.N1	30-DEC-2010 01:33:22	Straylight	46.000	179	24Omi2CMa	3.0320	24000.	92	46181	No
27	GOM_TRA_1PNPDE20101230_013552_000000543098_00046_46181_0283.N1	30-DEC-2010 01:35:52	Straylight	54.000	1	9Alp CMa	-1.4400	11000.	108	46181	No
28	GOM_TRA_1PNPDE20101230_013823_000000443098_00046_46181_0284.N1	30-DEC-2010 01:38:23	Straylight	44.000	56	53Kap Ori	2.0650	30000.	88	46181	No
29	GOM_TRA_1PNPDE20101230_014054_000000443098_00046_46181_0285.N1	30-DEC-2010 01:40:54	Straylight	43.500	30	46Eps Ori	1.6940	30000.	87	46181	No
30	GOM_TRA_1PNPDE20101230_014327_000000543098_00046_46181_0286.N1	30-DEC-2010 01:43:27	Tw_i_and_stray	53.500	14	58Alp Ori	0.87000	3000.0	107	46181	No
31	GOM_TRA_1PNPDE20101230_014650_000000533098_00046_46181_0287.N1	30-DEC-2010 01:46:50	Bright	52.500	44	24Gam Gem	1.9280	11000.	105	46181	No
32	GOM_TRA_1PNPDE20101230_014828_000000483098_00046_46181_0288.N1	30-DEC-2010 01:48:28	Bright	47.500	151	13Mu Gem	2.8900	3000.0	95	46181	No
33	GOM_TRA_1PNPDE20101230_014949_000000473098_00046_46181_0289.N1	30-DEC-2010 01:49:49	Bright	47.000	170	27Eps Gem	3.0000	9700.0	94	46181	No
34	GOM_TRA_1PNPDE20101230_015225_000000403098_00046_46181_0290.N1	30-DEC-2010 01:52:25	Bright	39.500	107	37The Aur	2.6490	11000.	79	46181	No
35	GOM_TRA_1PNPDE20101230_015426_000000433098_00046_46181_0291.N1	30-DEC-2010 01:54:26	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	46181	No
36	GOM_TRA_1PNPDE20101230_020939_000000303098_00046_46181_0292.N1	30-DEC-2010 02:09:39	Tw_i_and_stray	30.000	36	50Alp UMa	1.8000	6300.0	60	46181	No
37	GOM_TRA_1PNPDE20101230_021100_000000403098_00046_46181_0293.N1	30-DEC-2010 02:11:00	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46181	No
38	GOM_TRA_1PNPDE20101230_021447_000000473098_00046_46181_0294.N1	30-DEC-2010 02:14:47	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	46181	No
39	GOM_TRA_1PNPDE20101230_021758_000000453098_00046_46181_0295.N1	30-DEC-2010 02:17:58	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	46181	No
40	GOM_TRA_1PNPDE20101230_022156_000000613098_00046_46181_0296.N1	30-DEC-2010 02:21:56	Bright	61.000	180	27Gam Boo	3.0400	8000.0	122	46181	No
41	GOM_TRA_1PNPDE20101230_022532_000000613098_00046_46181_0297.N1	30-DEC-2010 02:25:32	Bright	61.000	83		2.3780	11000.	122	46181	No
42	GOM_TRA_1PNPDE20101230_022842_000000513098_00046_46181_0298.N1	30-DEC-2010 02:28:42	Bright	51.000	3	16Alp Boo	-0.050000	4250.0	102	46181	No
43	GOM_TRA_1PNPDE20101230_023544_000000553098_00046_46181_0299.N1	30-DEC-2010 02:35:44	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	46181	No
44	GOM_TRA_1PNPDE20101230_023819_000000463098_00046_46181_0300.N1	30-DEC-2010 02:38:19	Tw_i_and_stray	45.500	122	9Alp2Lib	2.7470	9700.0	91	46181	No
45	GOM_TRA_1PNPDE20101230_024508_000000483098_00046_46181_0301.N1	30-DEC-2010 02:45:08	Dark	47.500	54	5The Cen	2.0550	4500.0	95	46181	No
46	GOM_TRA_1PNPDE20101230_024756_000000413098_00046_46181_0302.N1	30-DEC-2010 02:47:56	Dark	40.500	95	Zet Cen	2.5450	26000.	81	46181	No
47	GOM_TRA_1PNPDE20101230_025119_000000433098_00047_46182_0303.N1	30-DEC-2010 02:51:19	Dark	43.000	64	Gam Cen	2.2000	10600.	86	46182	No
48	GOM_TRA_1PNPDE20101230_025725_000000483098_00047_46182_0304.N1	30-DEC-2010 02:57:25	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46182	No
49	GOM_TRA_1PNPDE20101230_030009_000000463098_00047_46182_0305.N1	30-DEC-2010 03:00:09	Dark	46.000	71	lot Car	2.2460	7700.0	92	46182	No
50	GOM_TRA_1PNPDE20101230_030146_000000433098_00047_46182_0306.N1	30-DEC-2010 03:01:46	Dark	43.000	41	Eps Car	1.8600	4100.0	86	46182	No
51	GOM_TRA_1PNPDE20101230_030454_000000483098_00047_46182_0307.N1	30-DEC-2010 03:04:54	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	46182	No
52	GOM_TRA_1PNPDE20101230_030705_000000483098_00047_46182_0308.N1	30-DEC-2010 03:07:05	Dark	47.500	70	Zet Pup	2.2460	39000.	95	46182	No
53	GOM_TRA_1PNPDE20101230_030913_000000483098_00047_46182_0309.N1	30-DEC-2010 03:09:13	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	46182	No
54	GOM_TRA_1PNPDE20101230_031203_000000473098_00047_46182_0310.N1	30-DEC-2010 03:12:03	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	46182	No
55	GOM_TRA_1PNPDE20101230_031336_000000473098_00047_46182_0311.N1	30-DEC-2010 03:13:36	Straylight	47.000	179	24Omi2CMa	3.0320	24000.	94	46182	No
56	GOM_TRA_1PNPDE20101230_031607_000000583098_00047_46182_0312.N1	30-DEC-2010 03:16:07	Straylight	58.000	1	9Alp CMa	-1.4400	11000.	116	46182	No
57	GOM_TRA_1PNPDE20101230_031837_000000443098_00047_46182_0313.N1	30-DEC-2010 03:18:37	Straylight	44.000	56	53Kap Ori	2.0650	30000.	88	46182	No
58	GOM_TRA_1PNPDE20101230_032108_000000453098_00047_46182_0314.N1	30-DEC-2010 03:21:08	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	46182	No
59	GOM_TRA_1PNPDE20101230_032342_000000563098_00047_46182_0315.N1	30-DEC-2010 03:23:42	Tw_i_and_stray	56.000	14	58Alp Ori	0.87000	3000.0	112	46182	No
60	GOM_TRA_1PNPDE20101230_032704_000000573098_00047_46182_0316.N1	30-DEC-2010 03:27:04	Bright	56.500	44	24Gam Gem	1.9280	11000.	113	46182	No
61	GOM_TRA_1PNPDE20101230_032841_000000483098_00047_46182_0317.N1	30-DEC-2010 03:28:41	Bright	48.000	151	13Mu Gem	2.8900	3000.0	96	46182	No
62	GOM_TRA_1PNPDE20101230_033003_000000473098_00047_46182_0318.N1	30-DEC-2010 03:30:03	Bright	47.000	170	27Eps Gem	3.0000	9700.0	94	46182	No
63	GOM_TRA_1PNPDE20101230_033239_000000443098_00047_46182_0319.N1	30-DEC-2010 03:32:39	Bright	43.500	107	37The Aur	2.6490	11000.	87	46182	No
64	GOM_TRA_1PNPDE20101230_033440_000000393098_00047_46182_0320.N1	30-DEC-2010 03:34:40	Bright	38.500	6	13Alp Aur	0.080000	3400.0	77	46182	No
65	GOM_TRA_1PNPDE20101230_034952_000000293098_00047_46182_0296.N1	30-DEC-2010 03:49:52	Tw_i_and_stray	29.000	36	50Alp UMa	1.8000	6300.0	58	46182	No
66	GOM_TRA_1PNPDE20101230_035114_000000393098_00047_46182_0297.N1	30-DEC-2010 03:51:14	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46182	No
67	GOM_TRA_1PNPDE20101230_035500_000000493098_00047_46182_0298.N1	30-DEC-2010 03:55:00	Bright	48.500	32	77Eps UMa	1.7630	11000.	97	46182	No

68	GOM_TRA_1PNPDE20101230_035812_000000453098_00047_46182_0299.N1	30-DEC-2010 03:58:12	Bright	45.000	39	85Eta UMa	1.8540	24000.	90	46182	No
69	GOM_TRA_1PNPDE20101230_040210_000000413098_00047_46182_0300.N1	30-DEC-2010 04:02:10	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	46182	No
70	GOM_TRA_1PNPDE20101230_040546_000000413098_00047_46182_0301.N1	30-DEC-2010 04:05:46	Bright	40.500	83		2.3780	11000.	81	46182	No
71	GOM_TRA_1PNPDE20101230_040856_000000523098_00047_46182_0302.N1	30-DEC-2010 04:08:56	Bright	52.000	3	16Alp Boo	-0.050000	4250.0	104	46182	No
72	GOM_TRA_1PNPDE20101230_041559_000000553098_00047_46182_0303.N1	30-DEC-2010 04:15:59	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	46182	No
73	GOM_TRA_1PNPDE20101230_041834_000000463098_00047_46182_0304.N1	30-DEC-2010 04:18:34	Tw_i_and_stray	46.000	122	9Alp2Lib	2.7470	9700.0	92	46182	No
74	GOM_TRA_1PNPDE20101230_042523_000000453098_00047_46182_0305.N1	30-DEC-2010 04:25:23	Dark	44.500	54	5The Cen	2.0550	4500.0	89	46182	No
75	GOM_TRA_1PNPDE20101230_042810_000000433098_00047_46182_0306.N1	30-DEC-2010 04:28:10	Dark	43.000	95	Zet Cen	2.5450	26000.	86	46182	No
76	GOM_TRA_1PNPDE20101230_043134_000000443098_00048_46183_0307.N1	30-DEC-2010 04:31:34	Dark	43.500	64	Gam Cen	2.2000	10600.	87	46183	No
77	GOM_TRA_1PNPDE20101230_043740_000000493098_00048_46183_0308.N1	30-DEC-2010 04:37:40	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	46183	No
78	GOM_TRA_1PNPDE20101230_044023_000000423098_00048_46183_0309.N1	30-DEC-2010 04:40:23	Dark	41.500	71	lot Car	2.2460	7700.0	83	46183	No
79	GOM_TRA_1PNPDE20101230_044200_000000473098_00048_46183_0310.N1	30-DEC-2010 04:42:00	Dark	47.000	41	Eps Car	1.8600	4100.0	94	46183	No
80	GOM_TRA_1PNPDE20101230_044508_000000453098_00048_46183_0311.N1	30-DEC-2010 04:45:08	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46183	No
81	GOM_TRA_1PNPDE20101230_044719_000000503098_00048_46183_0312.N1	30-DEC-2010 04:47:19	Dark	49.500	70	Zet Pup	2.2460	39000.	99	46183	No
82	GOM_TRA_1PNPDE20101230_044927_000000483098_00048_46183_0313.N1	30-DEC-2010 04:49:27	Dark	48.000	117	Pi Pup	2.7060	3800.0	96	46183	No
83	GOM_TRA_1PNPDE20101230_045217_000000493098_00048_46183_0314.N1	30-DEC-2010 04:52:17	Straylight	48.500	23	21Eps CMa	1.5020	26000.	97	46183	No
84	GOM_TRA_1PNPDE20101230_045351_000000453098_00048_46183_0315.N1	30-DEC-2010 04:53:51	Straylight	45.000	179	24Omi2CMa	3.0320	24000.	90	46183	No
85	GOM_TRA_1PNPDE20101230_045621_000000523098_00048_46183_0316.N1	30-DEC-2010 04:56:21	Straylight	51.500	1	9Alp CMa	-1.4400	11000.	103	46183	No
86	GOM_TRA_1PNPDE20101230_045851_000000433098_00048_46183_0317.N1	30-DEC-2010 04:58:51	Straylight	43.000	56	53Kap Ori	2.0650	30000.	86	46183	No
87	GOM_TRA_1PNPDE20101230_050122_000000453098_00048_46183_0318.N1	30-DEC-2010 05:01:22	Straylight	44.500	30	46Eps Ori	1.6940	30000.	89	46183	No
88	GOM_TRA_1PNPDE20101230_050356_000000563098_00048_46183_0319.N1	30-DEC-2010 05:03:56	Tw_i_and_stray	56.000	14	58Alp Ori	0.87000	3000.0	112	46183	No
89	GOM_TRA_1PNPDE20101230_050718_000000523098_00048_46183_0320.N1	30-DEC-2010 05:07:18	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	46183	No
90	GOM_TRA_1PNPDE20101230_050855_000000443098_00048_46183_0321.N1	30-DEC-2010 05:08:55	Bright	44.000	151	13Mu Gem	2.8900	3000.0	88	46183	No
91	GOM_TRA_1PNPDE20101230_051017_000000463098_00048_46183_0322.N1	30-DEC-2010 05:10:17	Bright	45.500	170	27Eps Gem	3.0000	9700.0	91	46183	No
92	GOM_TRA_1PNPDE20101230_051253_000000383098_00048_46183_0323.N1	30-DEC-2010 05:12:53	Bright	38.000	107	37The Aur	2.6490	11000.	76	46183	No
93	GOM_TRA_1PNPDE20101230_051454_000000423098_00048_46183_0324.N1	30-DEC-2010 05:14:54	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	46183	No
94	GOM_TRA_1PNPDE20101230_053006_000000293098_00048_46183_0325.N1	30-DEC-2010 05:30:06	Tw_i_and_stray	29.000	36	50Alp UMa	1.8000	6300.0	58	46183	No
95	GOM_TRA_1PNPDE20101230_053128_000000393098_00048_46183_0319.N1	30-DEC-2010 05:31:28	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46183	No
96	GOM_TRA_1PNPDE20101230_053514_000000483098_00048_46183_0320.N1	30-DEC-2010 05:35:14	Bright	47.500	32	77Eps UMa	1.7630	11000.	95	46183	No
97	GOM_TRA_1PNPDE20101230_053826_000000443098_00048_46183_0321.N1	30-DEC-2010 05:38:26	Bright	44.000	39	85Eta UMa	1.8540	24000.	88	46183	No
98	GOM_TRA_1PNPDE20101230_054224_000000403098_00048_46183_0322.N1	30-DEC-2010 05:42:24	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	46183	No
99	GOM_TRA_1PNPDE20101230_054601_000000613098_00048_46183_0323.N1	30-DEC-2010 05:46:01	Bright	61.000	83		2.3780	11000.	122	46183	No
100	GOM_TRA_1PNPDE20101230_054911_000000513098_00048_46183_0324.N1	30-DEC-2010 05:49:11	Bright	50.500	3	16Alp Boo	-0.050000	4250.0	101	46183	No
101	GOM_TRA_1PNPDE20101230_055613_000000553098_00048_46183_0325.N1	30-DEC-2010 05:56:13	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	46183	No
102	GOM_TRA_1PNPDE20101230_055849_000000473098_00048_46183_0326.N1	30-DEC-2010 05:58:49	Tw_i_and_stray	47.000	122	9Alp2Lib	2.7470	9700.0	94	46183	No
103	GOM_TRA_1PNPDE20101230_060537_000000503098_00048_46183_0327.N1	30-DEC-2010 06:05:37	Dark	50.000	54	5The Cen	2.0550	4500.0	100	46183	No
104	GOM_TRA_1PNPDE20101230_060825_000000393098_00048_46183_0328.N1	30-DEC-2010 06:08:25	Dark	39.000	95	Zet Cen	2.5450	26000.	78	46183	No
105	GOM_TRA_1PNPDE20101230_061149_000000433098_00049_46184_0329.N1	30-DEC-2010 06:11:49	Dark	43.000	64	Gam Cen	2.2000	10600.	86	46184	No
106	GOM_TRA_1PNPDE20101230_061755_000000473098_00049_46184_0330.N1	30-DEC-2010 06:17:55	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46184	No
107	GOM_TRA_1PNPDE20101230_062038_000000423098_00049_46184_0331.N1	30-DEC-2010 06:20:38	Dark	41.500	71	lot Car	2.2460	7700.0	83	46184	No
108	GOM_TRA_1PNPDE20101230_062215_000000463098_00049_46184_0332.N1	30-DEC-2010 06:22:15	Dark	45.500	41	Eps Car	1.8600	4100.0	91	46184	No
109	GOM_TRA_1PNPDE20101230_062523_000000493098_00049_46184_0333.N1	30-DEC-2010 06:25:23	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	46184	No
110	GOM_TRA_1PNPDE20101230_062734_000000453098_00049_46184_0334.N1	30-DEC-2010 06:27:34	Dark	45.000	70	Zet Pup	2.2460	39000.	90	46184	No
111	GOM_TRA_1PNPDE20101230_062942_000000513098_00049_46184_0335.N1	30-DEC-2010 06:29:42	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	46184	No
112	GOM_TRA_1PNPDE20101230_063232_000000473098_00049_46184_0336.N1	30-DEC-2010 06:32:32	Straylight	47.000	23	21Eps CMa	1.5020	26000.	94	46184	No
113	GOM_TRA_1PNPDE20101230_063405_000000473098_00049_46184_0337.N1	30-DEC-2010 06:34:05	Straylight	46.500	179	24Omi2CMa	3.0320	24000.	93	46184	No
114	GOM_TRA_1PNPDE20101230_063635_000000533098_00049_46184_0338.N1	30-DEC-2010 06:36:35	Straylight	53.000	1	9Alp CMa	-1.4400	11000.	106	46184	No
115	GOM_TRA_1PNPDE20101230_063905_000000443098_00049_46184_0339.N1	30-DEC-2010 06:39:05	Straylight	43.500	56	53Kap Ori	2.0650	30000.	87	46184	No
116	GOM_TRA_1PNPDE20101230_064136_000000463098_00049_46184_0340.N1	30-DEC-2010 06:41:36	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	46184	No
117	GOM_TRA_1PNPDE20101230_064409_000000513098_00049_46184_0341.N1	30-DEC-2010 06:44:09	Tw_i_and_stray	50.500	14	58Alp Ori	0.87000	3000.0	101	46184	No
118	GOM_TRA_1PNPDE20101230_064731_000000573098_00049_46184_0342.N1	30-DEC-2010 06:47:31	Bright	57.000	44	24Gam Gem	1.9280	11000.	114	46184	No
119	GOM_TRA_1PNPDE20101230_064909_000000613098_00049_46184_0343.N1	30-DEC-2010 06:49:09	Bright	61.000	151	13Mu Gem	2.8900	3000.0	122	46184	No
120	GOM_TRA_1PNPDE20101230_065030_000000463098_00049_46184_0344.N1	30-DEC-2010 06:50:30	Bright	46.000	170	27Eps Gem	3.0000	9700.0	92	46184	No
121	GOM_TRA_1PNPDE20101230_065307_000000383098_00049_46184_0345.N1	30-DEC-2010 06:53:07	Bright	38.000	107	37The Aur	2.6490	11000.	76	46184	No
122	GOM_TRA_1PNPDE20101230_065508_000000403098_00049_46184_0346.N1	30-DEC-2010 06:55:08	Bright	39.500	6	13Alp Aur	0.080000	3400.0	79	46184	No
123	GOM_TRA_1PNPDE20101230_071019_000000283098_00049_46184_0347.N1	30-DEC-2010 07:10:19	Tw_i_and_stray	28.000	36	50Alp UMa	1.8000	6300.0	56	46184	No
124	GOM_TRA_1PNPDE20101230_071142_000000063098_00049_46184_0348.N1	30-DEC-2010 07:11:42	Straylight	5.5000	60	7Bet UMi	2.0810	3950.0	11	46184	No
125	GOM_TRA_1PNPDE20101230_194719_000000443098_00057_46192_0398.N1	30-DEC-2010 19:47:19	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	46192	No
126	GOM_TRA_1PNPDE20101230_194930_000000483098_00057_46192_0399.N1	30-DEC-2010 19:49:30	Dark	48.000	70	Zet Pup	2.2460	39000.	96	46192	No

127	GOM_TRA_1PNPDE20101230_195137_000000503098_00057_46192_0400.N1	30-DEC-2010 19:51:37	Dark	50.000	117	Pi Pup	2.7060	3800.0	100	46192	No
128	GOM_TRA_1PNPDE20101230_195426_000000483098_00057_46192_0401.N1	30-DEC-2010 19:54:26	Straylight	47.500	23	21Eps CMa	1.5020	26000.	95	46192	No
129	GOM_TRA_1PNPDE20101230_195559_000000443098_00057_46192_0402.N1	30-DEC-2010 19:55:59	Straylight	44.000	179	24Omi2CMa	3.0320	24000.	88	46192	No
130	GOM_TRA_1PNPDE20101230_195828_000000493098_00057_46192_0403.N1	30-DEC-2010 19:58:28	Straylight	49.000	1	9Alp CMa	-1.4400	11000.	98	46192	No
131	GOM_TRA_1PNPDE20101230_200058_000000433098_00057_46192_0404.N1	30-DEC-2010 20:00:58	Straylight	42.500	56	53Kap Ori	2.0650	30000.	85	46192	No
132	GOM_TRA_1PNPDE20101230_200329_000000463098_00057_46192_0405.N1	30-DEC-2010 20:03:29	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	46192	No
133	GOM_TRA_1PNPDE20101230_200601_000000563098_00057_46192_0406.N1	30-DEC-2010 20:06:01	Tw_i_and_stray	56.000	14	58Alp Ori	0.87000	3000.0	112	46192	No
134	GOM_TRA_1PNPDE20101230_200921_000000613098_00057_46192_0407.N1	30-DEC-2010 20:09:21	Bright	60.500	44	24Gam Gem	1.9280	11000.	121	46192	No
135	GOM_TRA_1PNPDE20101230_201058_000000473098_00057_46192_0408.N1	30-DEC-2010 20:10:58	Bright	47.000	151	13Mu Gem	2.8900	3000.0	94	46192	No
136	GOM_TRA_1PNPDE20101230_201218_000000463098_00057_46192_0409.N1	30-DEC-2010 20:12:18	Bright	45.500	170	27Eps Gem	3.0000	9700.0	91	46192	No
137	GOM_TRA_1PNPDE20101230_201456_000000403098_00057_46192_0410.N1	30-DEC-2010 20:14:56	Bright	40.000	107	37The Aur	2.6490	11000.	80	46192	No
138	GOM_TRA_1PNPDE20101230_201659_000000443098_00057_46192_0411.N1	30-DEC-2010 20:16:59	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	46192	No
139	GOM_TRA_1PNPDE20101230_203334_000000383098_00057_46192_0412.N1	30-DEC-2010 20:33:34	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46192	No
140	GOM_TRA_1PNPDE20101230_203717_000000533098_00057_46192_0413.N1	30-DEC-2010 20:37:17	Bright	52.500	32	77Eps UMa	1.7630	11000.	105	46192	No
141	GOM_TRA_1PNPDE20101230_204030_000000593098_00057_46192_0414.N1	30-DEC-2010 20:40:30	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	46192	No
142	GOM_TRA_1PNPDE20101230_204430_000000543098_00057_46192_0415.N1	30-DEC-2010 20:44:30	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	46192	No
143	GOM_TRA_1PNPDE20101230_204809_000000613098_00057_46192_0416.N1	30-DEC-2010 20:48:09	Bright	61.000	83		2.3780	11000.	122	46192	No
144	GOM_TRA_1PNPDE20101230_205121_000000523098_00057_46192_0417.N1	30-DEC-2010 20:51:21	Bright	51.500	3	16Alp Boo	-0.050000	4250.0	103	46192	No
145	GOM_TRA_1PNPDE20101230_205823_000000503098_00057_46192_0418.N1	30-DEC-2010 20:58:23	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	46192	No
146	GOM_TRA_1PNPDE20101230_210100_000000463098_00057_46192_0419.N1	30-DEC-2010 21:01:00	Tw_i_and_stray	46.000	122	9Alp2Lib	2.7470	9700.0	92	46192	No
147	GOM_TRA_1PNPDE20101230_210750_000000503098_00057_46192_0420.N1	30-DEC-2010 21:07:50	Dark	50.000	54	5The Cen	2.0550	4500.0	100	46192	No
148	GOM_TRA_1PNPDE20101230_211037_000000403098_00057_46192_0421.N1	30-DEC-2010 21:10:37	Dark	40.000	95	Zet Cen	2.5450	26000.	80	46192	No
149	GOM_TRA_1PNPDE20101230_211403_000000463098_00058_46193_0422.N1	30-DEC-2010 21:14:03	Dark	45.500	64	Gam Cen	2.2000	10600.	91	46193	No
150	GOM_TRA_1PNPDE20101230_212010_000000533098_00058_46193_0423.N1	30-DEC-2010 21:20:10	Dark	52.500	113	Mu Vel	2.6920	5000.0	105	46193	No
151	GOM_TRA_1PNPDE20101230_212249_000000423098_00058_46193_0424.N1	30-DEC-2010 21:22:49	Dark	42.000	71	lot Car	2.2460	7700.0	84	46193	No
152	GOM_TRA_1PNPDE20101230_212425_000000443098_00058_46193_0425.N1	30-DEC-2010 21:24:25	Dark	44.000	41	Eps Car	1.8600	4100.0	88	46193	No
153	GOM_TRA_1PNPDE20101230_212734_000000483098_00058_46193_0426.N1	30-DEC-2010 21:27:34	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	46193	No
154	GOM_TRA_1PNPDE20101230_212945_000000493098_00058_46193_0427.N1	30-DEC-2010 21:29:45	Dark	48.500	70	Zet Pup	2.2460	39000.	97	46193	No
155	GOM_TRA_1PNPDE20101230_213151_000000493098_00058_46193_0428.N1	30-DEC-2010 21:31:51	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	46193	No
156	GOM_TRA_1PNPDE20101230_213440_000000503098_00058_46193_0429.N1	30-DEC-2010 21:34:40	Straylight	49.500	23	21Eps CMa	1.5020	26000.	99	46193	No
157	GOM_TRA_1PNPDE20101230_213613_000000453098_00058_46193_0430.N1	30-DEC-2010 21:36:13	Straylight	45.000	179	24Omi2CMa	3.0320	24000.	90	46193	No
158	GOM_TRA_1PNPDE20101230_213842_000000553098_00058_46193_0431.N1	30-DEC-2010 21:38:42	Straylight	55.000	1	9Alp CMa	-1.4400	11000.	110	46193	No
159	GOM_TRA_1PNPDE20101230_214112_000000443098_00058_46193_0432.N1	30-DEC-2010 21:41:12	Straylight	44.000	56	53Kap Ori	2.0650	30000.	88	46193	No
160	GOM_TRA_1PNPDE20101230_214343_000000453098_00058_46193_0433.N1	30-DEC-2010 21:43:43	Straylight	44.500	30	46Eps Ori	1.6940	30000.	89	46193	No
161	GOM_TRA_1PNPDE20101230_214615_000000563098_00058_46193_0434.N1	30-DEC-2010 21:46:15	Tw_i_and_stray	56.000	14	58Alp Ori	0.87000	3000.0	112	46193	No
162	GOM_TRA_1PNPDE20101230_214934_000000603098_00058_46193_0435.N1	30-DEC-2010 21:49:34	Bright	60.000	44	24Gam Gem	1.9280	11000.	120	46193	No
163	GOM_TRA_1PNPDE20101230_215112_000000483098_00058_46193_0436.N1	30-DEC-2010 21:51:12	Bright	47.500	151	13Mu Gem	2.8900	3000.0	95	46193	No
164	GOM_TRA_1PNPDE20101230_215232_000000463098_00058_46193_0437.N1	30-DEC-2010 21:52:32	Bright	46.000	170	27Eps Gem	3.0000	9700.0	92	46193	No
165	GOM_TRA_1PNPDE20101230_215510_000000403098_00058_46193_0438.N1	30-DEC-2010 21:55:10	Bright	40.000	107	37The Aur	2.6490	11000.	80	46193	No
166	GOM_TRA_1PNPDE20101230_215713_000000413098_00058_46193_0439.N1	30-DEC-2010 21:57:13	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	46193	No
167	GOM_TRA_1PNPDE20101230_221347_000000383098_00058_46193_0440.N1	30-DEC-2010 22:13:47	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46193	No
168	GOM_TRA_1PNPDE20101230_221730_000000483098_00058_46193_0441.N1	30-DEC-2010 22:17:30	Bright	48.000	32	77Eps UMa	1.7630	11000.	96	46193	No
169	GOM_TRA_1PNPDE20101230_222044_000000663098_00058_46193_0442.N1	30-DEC-2010 22:20:44	Bright	66.000	39	85Eta UMa	1.8540	24000.	132	46193	No
170	GOM_TRA_1PNPDE20101230_222444_000000403098_00058_46193_0443.N1	30-DEC-2010 22:24:44	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	46193	No
171	GOM_TRA_1PNPDE20101230_222823_000000533098_00058_46193_0444.N1	30-DEC-2010 22:28:23	Bright	52.500	83		2.3780	11000.	105	46193	No
172	GOM_TRA_1PNPDE20101230_223135_000000523098_00058_46193_0445.N1	30-DEC-2010 22:31:35	Bright	52.000	3	16Alp Boo	-0.050000	4250.0	104	46193	No
173	GOM_TRA_1PNPDE20101230_223838_000000503098_00058_46193_0446.N1	30-DEC-2010 22:38:38	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	46193	No
174	GOM_TRA_1PNPDE20101230_224114_000000453098_00058_46193_0443.N1	30-DEC-2010 22:41:14	Tw_i_and_stray	45.000	122	9Alp2Lib	2.7470	9700.0	90	46193	No
175	GOM_TRA_1PNPDE20101230_224805_000000553098_00058_46193_0444.N1	30-DEC-2010 22:48:05	Dark	54.500	54	5The Cen	2.0550	4500.0	109	46193	No
176	GOM_TRA_1PNPDE20101230_225417_000000453098_00059_46194_0445.N1	30-DEC-2010 22:54:17	Dark	44.500	64	Gam Cen	2.2000	10600.	89	46194	No
177	GOM_TRA_1PNPDE20101230_230024_000000473098_00059_46194_0446.N1	30-DEC-2010 23:00:24	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46194	No
178	GOM_TRA_1PNPDE20101230_230303_000000423098_00059_46194_0447.N1	30-DEC-2010 23:03:03	Dark	41.500	71	lot Car	2.2460	7700.0	83	46194	No
179	GOM_TRA_1PNPDE20101230_230439_000000453098_00059_46194_0448.N1	30-DEC-2010 23:04:39	Dark	45.000	41	Eps Car	1.8600	4100.0	90	46194	No
180	GOM_TRA_1PNPDE20101230_230748_000000483098_00059_46194_0449.N1	30-DEC-2010 23:07:48	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	46194	No
181	GOM_TRA_1PNPDE20101230_230959_000000493098_00059_46194_0450.N1	30-DEC-2010 23:09:59	Dark	49.000	70	Zet Pup	2.2460	39000.	98	46194	No
182	GOM_TRA_1PNPDE20101230_231205_000000493098_00059_46194_0451.N1	30-DEC-2010 23:12:05	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	46194	No
183	GOM_TRA_1PNPDE20101230_231454_000000473098_00059_46194_0452.N1	30-DEC-2010 23:14:54	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	46194	No
184	GOM_TRA_1PNPDE20101230_231627_000000463098_00059_46194_0453.N1	30-DEC-2010 23:16:27	Straylight	46.000	179	24Omi2CMa	3.0320	24000.	92	46194	No
185	GOM_TRA_1PNPDE20101230_231856_000000533098_00059_46194_0454.N1	30-DEC-2010 23:18:56	Straylight	53.000	1	9Alp CMa	-1.4400	11000.	106	46194	No

186	GOM_TRA_1PNPDE20101230_232126_000000453098_00059_46194_0455.N1	30-DEC-2010 23:21:26	Straylight	45.000	56	53Kap Ori	2.0650	30000.	90	46194	No
187	GOM_TRA_1PNPDE20101230_232357_000000453098_00059_46194_0456.N1	30-DEC-2010 23:23:57	Straylight	44.500	30	46Eps Ori	1.6940	30000.	89	46194	No
188	GOM_TRA_1PNPDE20101230_232629_000000533098_00059_46194_0457.N1	30-DEC-2010 23:26:29	Twilight_stray	53.000	14	58Alp Ori	0.87000	3000.0	106	46194	No
189	GOM_TRA_1PNPDE20101230_232948_000000463098_00059_46194_0458.N1	30-DEC-2010 23:29:48	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	46194	No
190	GOM_TRA_1PNPDE20101230_233125_000000483098_00059_46194_0459.N1	30-DEC-2010 23:31:25	Bright	48.000	151	13Mu Gem	2.8900	3000.0	96	46194	No
191	GOM_TRA_1PNPDE20101230_233524_000000393098_00059_46194_0460.N1	30-DEC-2010 23:35:24	Bright	39.000	107	37The Aur	2.6490	11000.	78	46194	No
192	GOM_TRA_1PNPDE20101230_233727_000000423098_00059_46194_0461.N1	30-DEC-2010 23:37:27	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	46194	No
193	GOM_TRA_1PNPDE20101230_235401_000000393098_00059_46194_0462.N1	30-DEC-2010 23:54:01	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46194	No
194	GOM_TRA_1PNPDE20101230_235744_000000463098_00059_46194_0463.N1	30-DEC-2010 23:57:44	Bright	46.000	32	77Eps UMa	1.7630	11000.	92	46194	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).

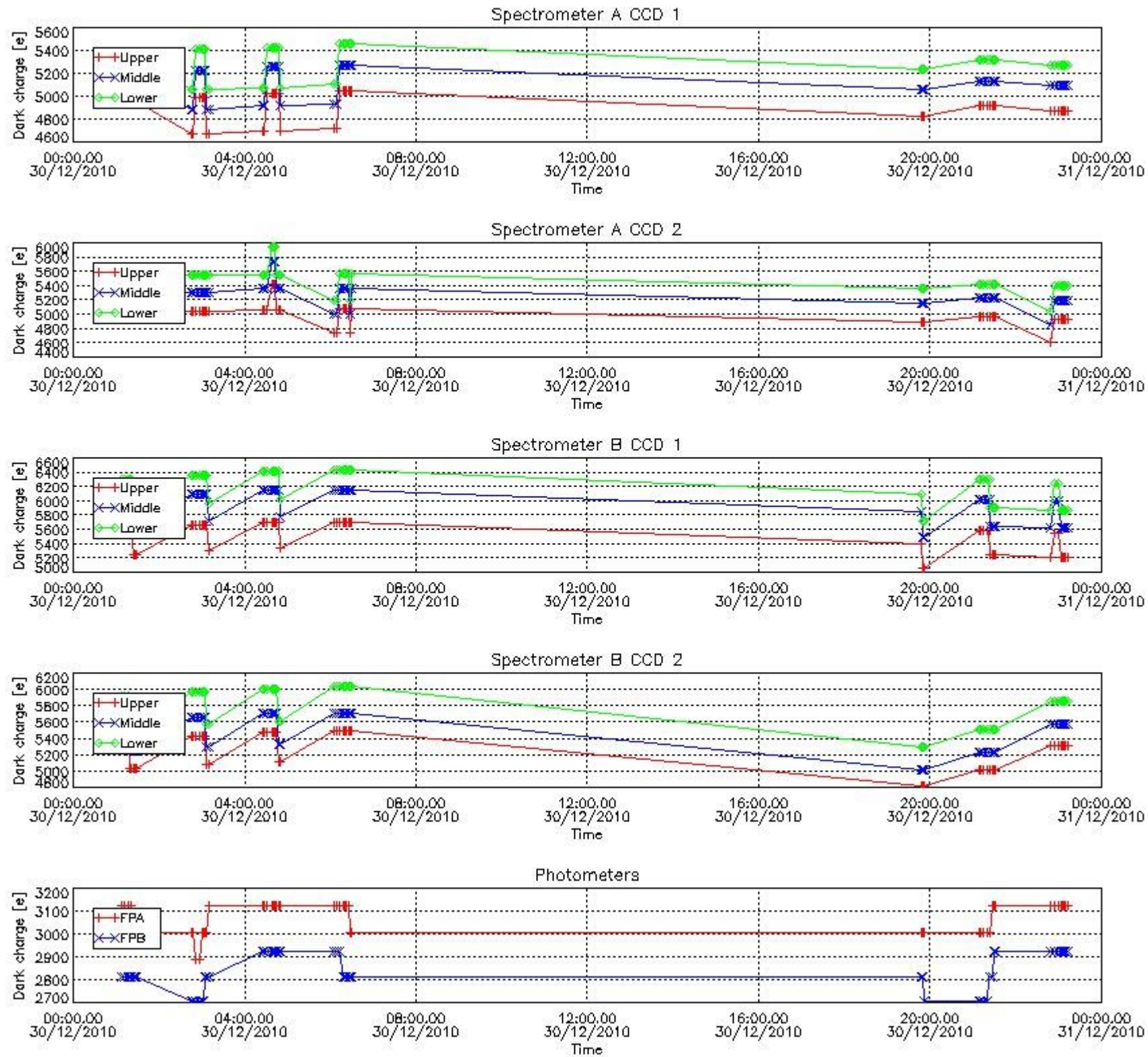
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20101230_194719_000000443098_00057_46192_0398.N1	DC map used

GOM_TRA_1PNPDE20101230_194930_000000483098_00057_46192_0399.N1	DC map used
GOM_TRA_1PNPDE20101230_195137_000000503098_00057_46192_0400.N1	DC map used
GOM_TRA_1PNPDE20101230_195426_000000483098_00057_46192_0401.N1	DC map used
GOM_TRA_1PNPDE20101230_195559_000000443098_00057_46192_0402.N1	DC map used
GOM_TRA_1PNPDE20101230_195828_000000493098_00057_46192_0403.N1	DC map used
GOM_TRA_1PNPDE20101230_200058_000000433098_00057_46192_0404.N1	DC map used
GOM_TRA_1PNPDE20101230_200329_000000463098_00057_46192_0405.N1	DC map used
GOM_TRA_1PNPDE20101230_200601_000000563098_00057_46192_0406.N1	DC map used
GOM_TRA_1PNPDE20101230_200921_000000613098_00057_46192_0407.N1	DC map used
GOM_TRA_1PNPDE20101230_201058_000000473098_00057_46192_0408.N1	DC map used
GOM_TRA_1PNPDE20101230_201218_000000463098_00057_46192_0409.N1	DC map used
GOM_TRA_1PNPDE20101230_201456_000000403098_00057_46192_0410.N1	DC map used
GOM_TRA_1PNPDE20101230_201659_000000443098_00057_46192_0411.N1	DC map used
GOM_TRA_1PNPDE20101230_203334_000000383098_00057_46192_0412.N1	DC map used
GOM_TRA_1PNPDE20101230_203717_000000533098_00057_46192_0413.N1	DC map used
GOM_TRA_1PNPDE20101230_204030_000000593098_00057_46192_0414.N1	DC map used
GOM_TRA_1PNPDE20101230_204430_000000543098_00057_46192_0415.N1	DC map used
GOM_TRA_1PNPDE20101230_204809_000000613098_00057_46192_0416.N1	DC map used
GOM_TRA_1PNPDE20101230_205121_000000523098_00057_46192_0417.N1	DC map used

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



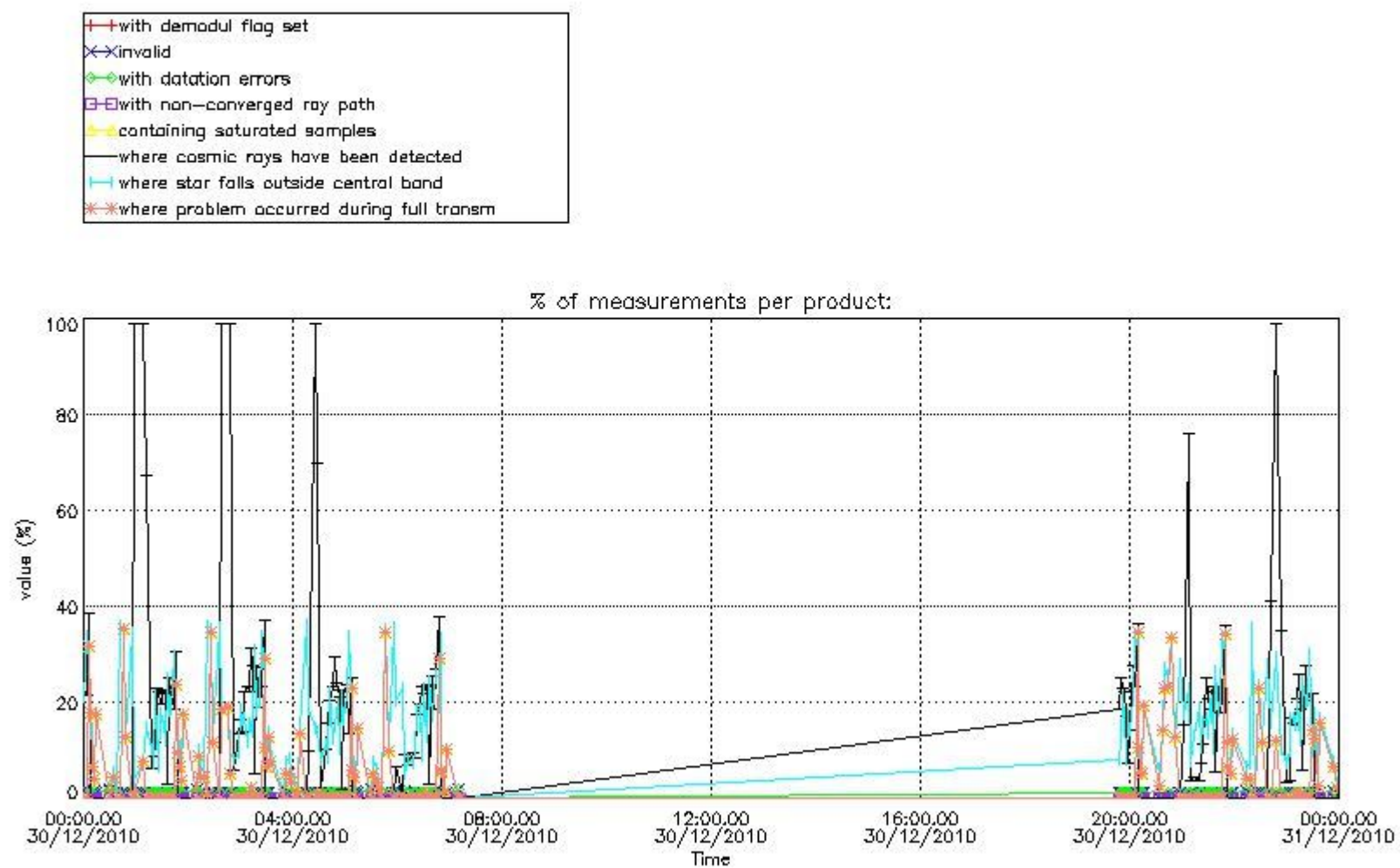
5. Demodulation flag and quality information monitoring

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.

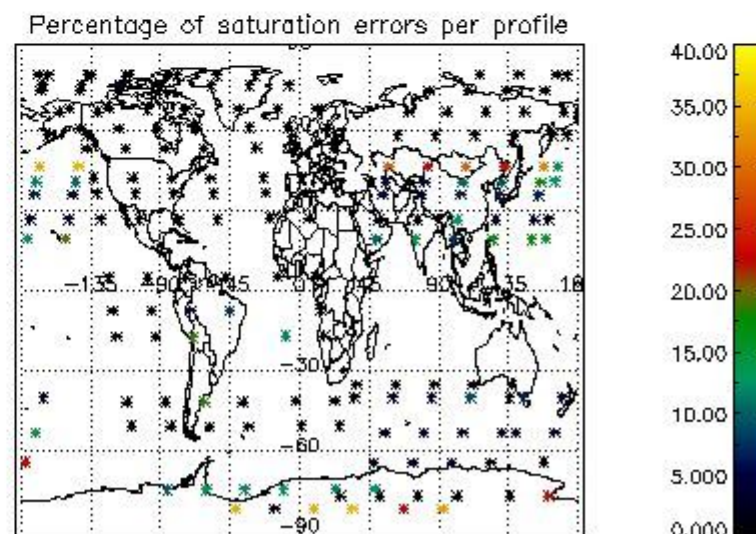
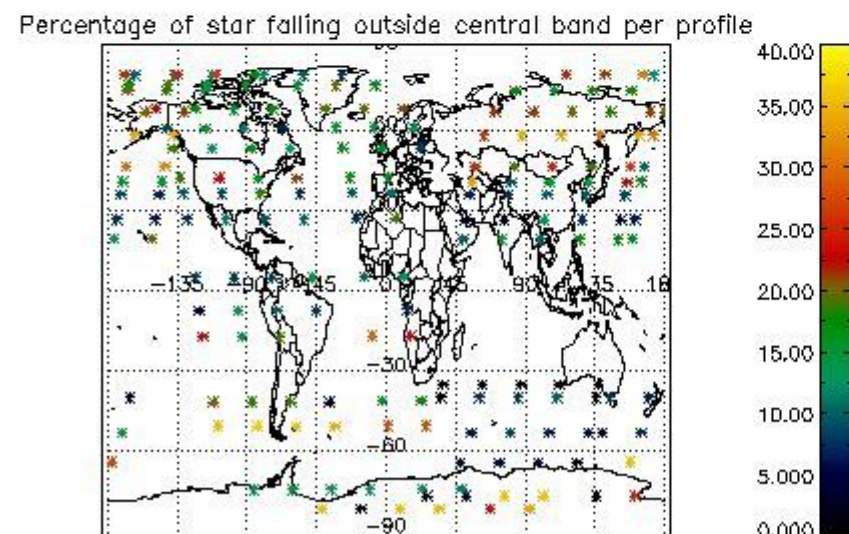
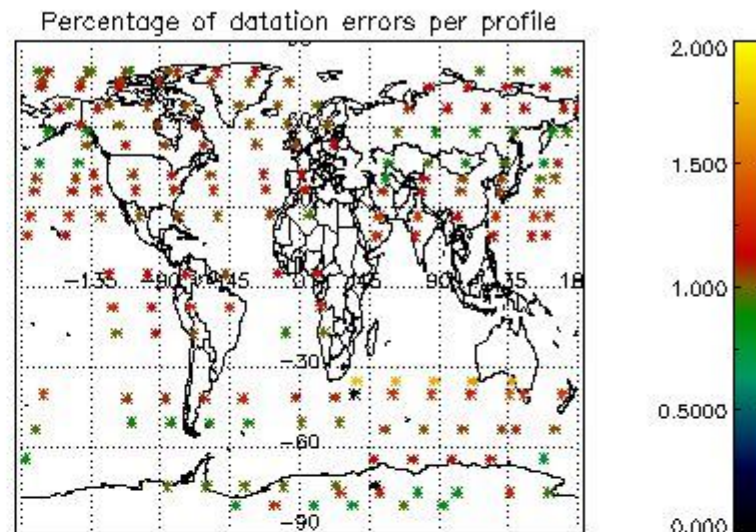
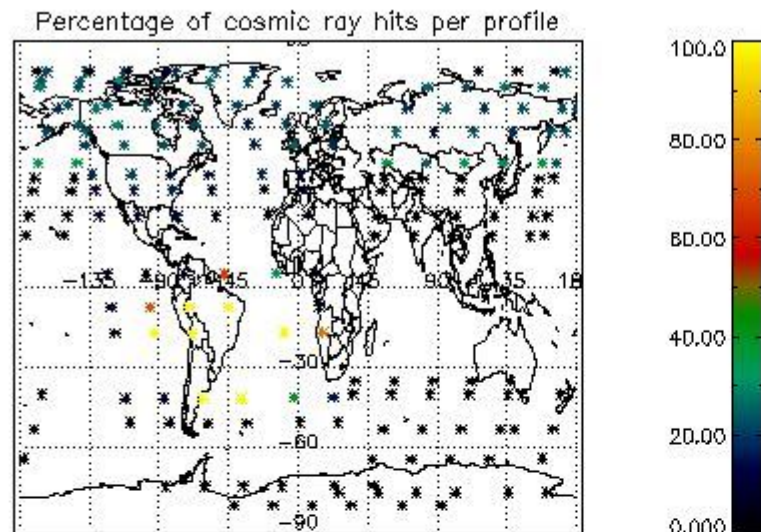
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	47.9381 %
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)



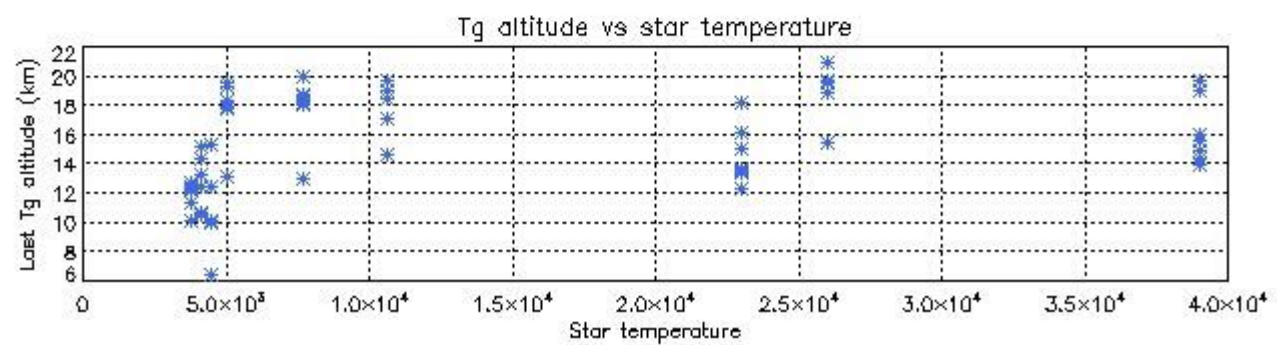
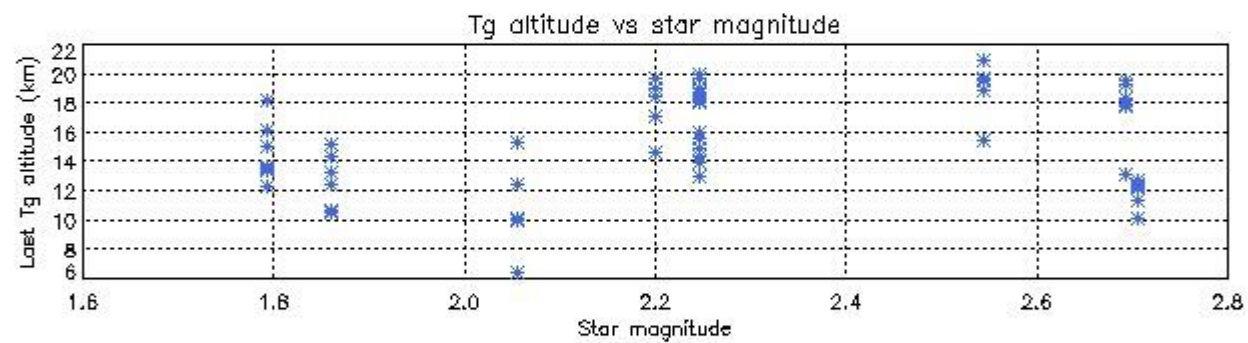
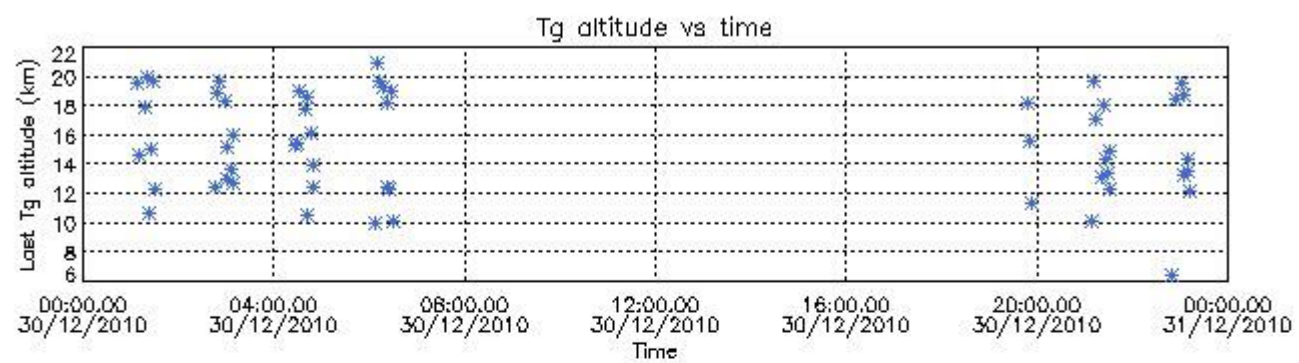
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.356	14.976	NaN
St. deviation:	3.3891	6.4955	NaN
Maximum:	20.920	26.275	NaN
Minimum:	6.4041	3.4120	NaN
Number of data:	55.000	83.000	NaN

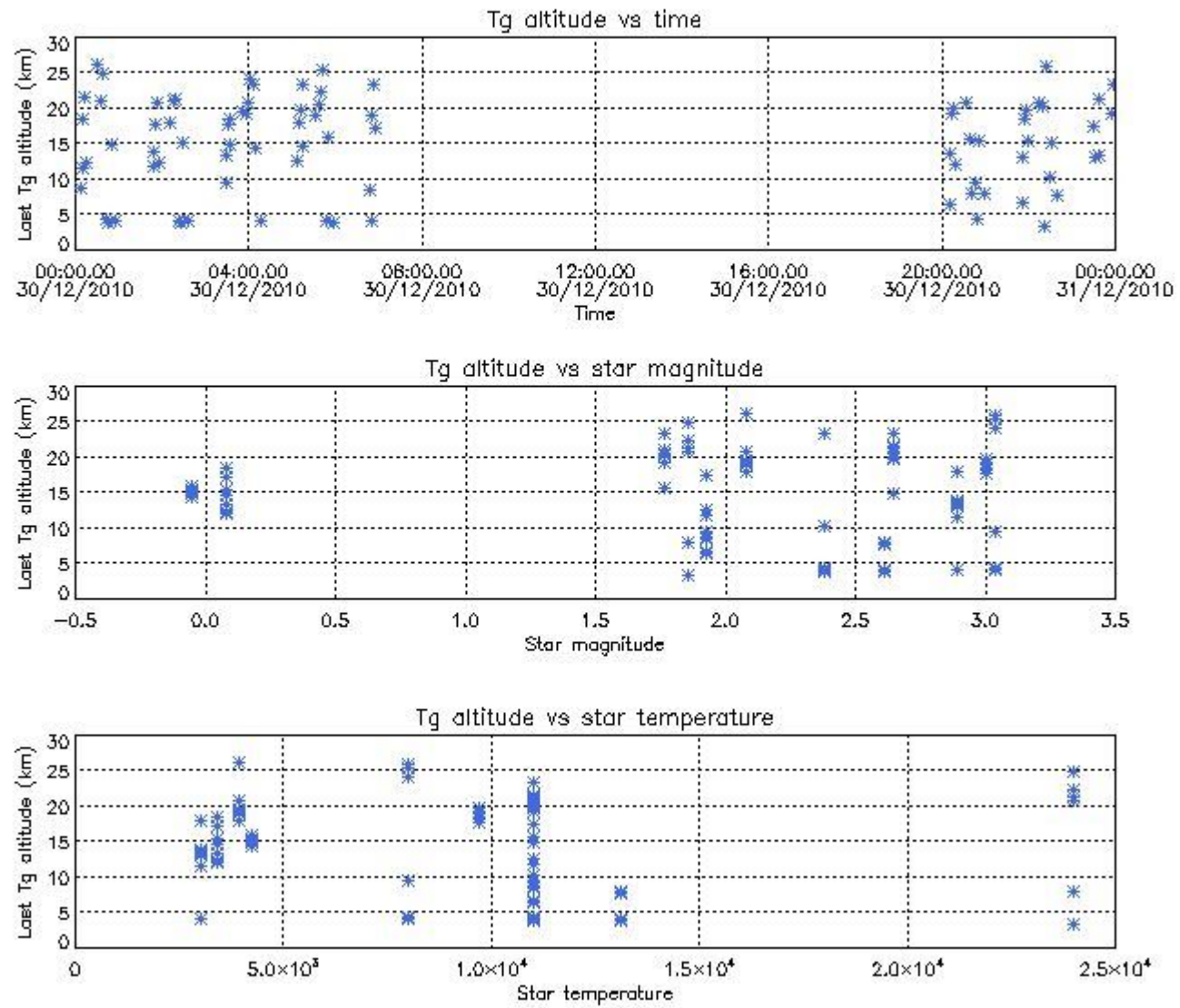
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

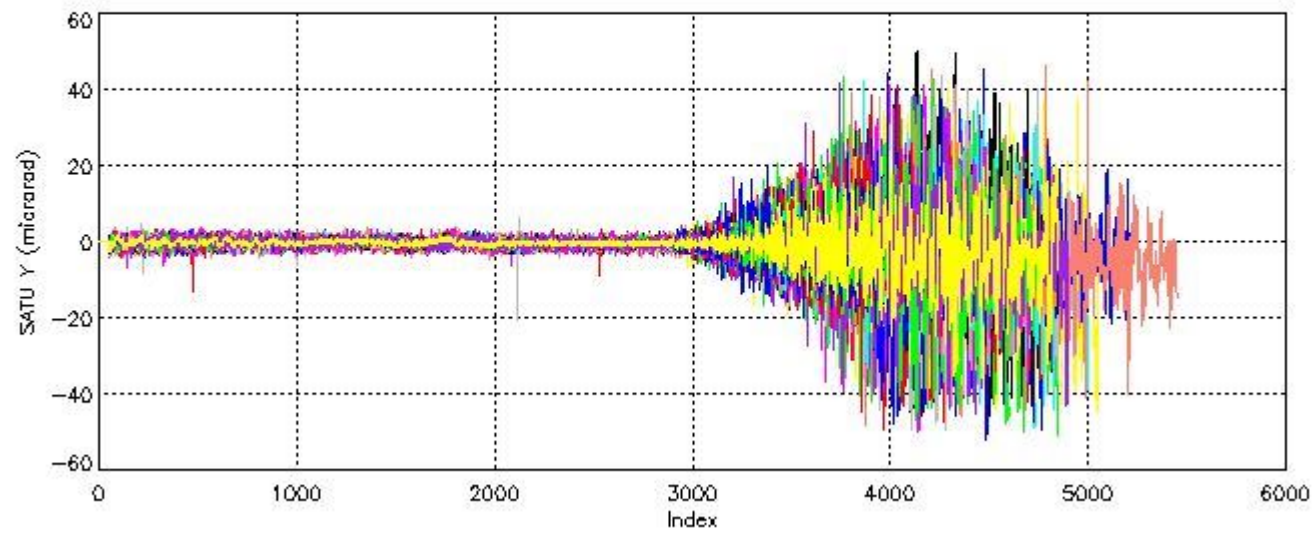
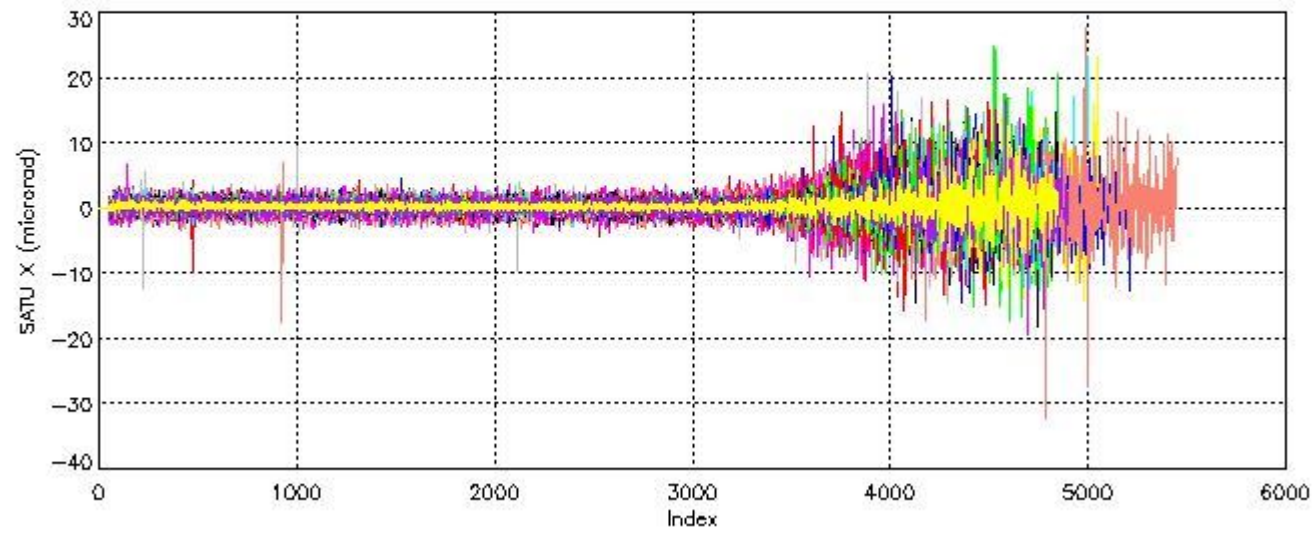


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.19518	-0.33671	0.17740	-0.27813
St. deviation:	0.56960	0.85607	0.65789	0.92678
Maximum:	7.1000	4.7000	5.3000	5.8000
Minimum:	-17.700	-13.000	-5.4000	-6.9000

Number of data:	56800.	56800.	82800.	82800.
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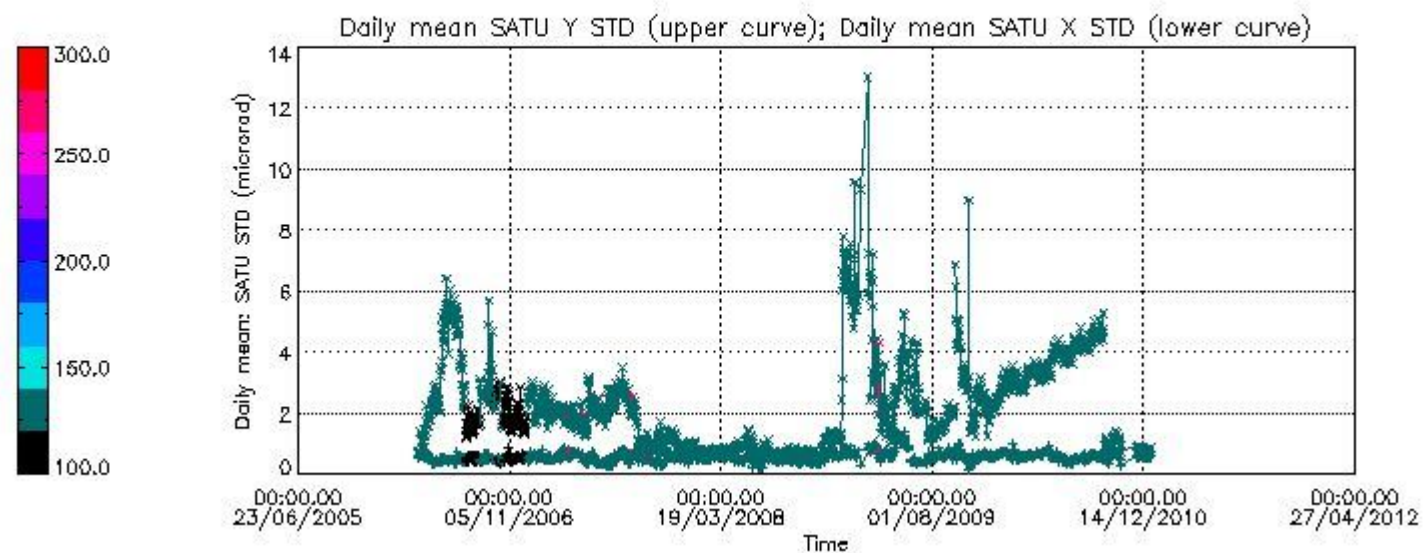
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

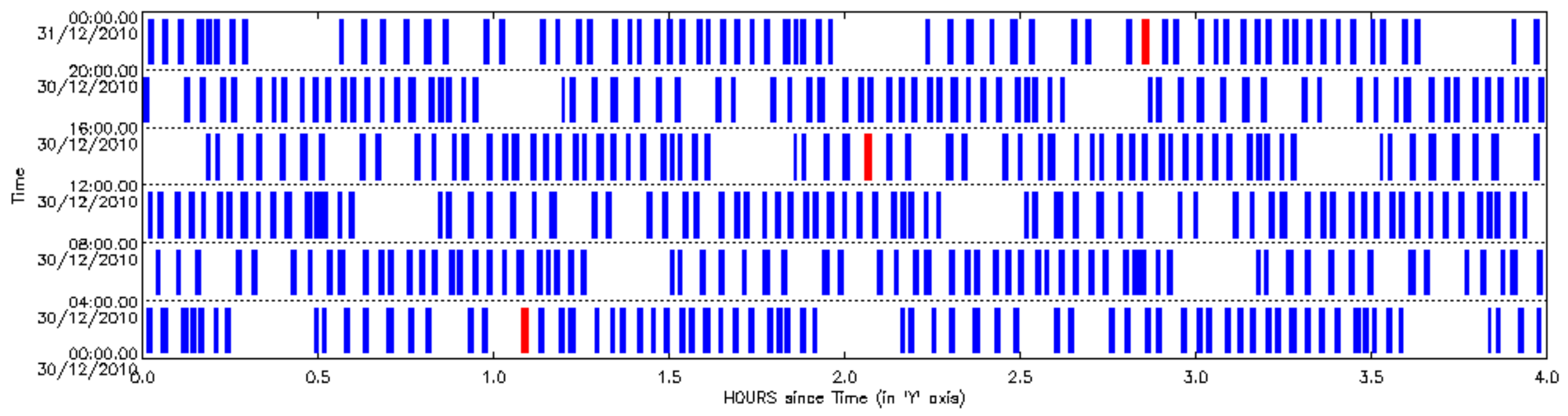
Lower curve: STD of SATU X axis

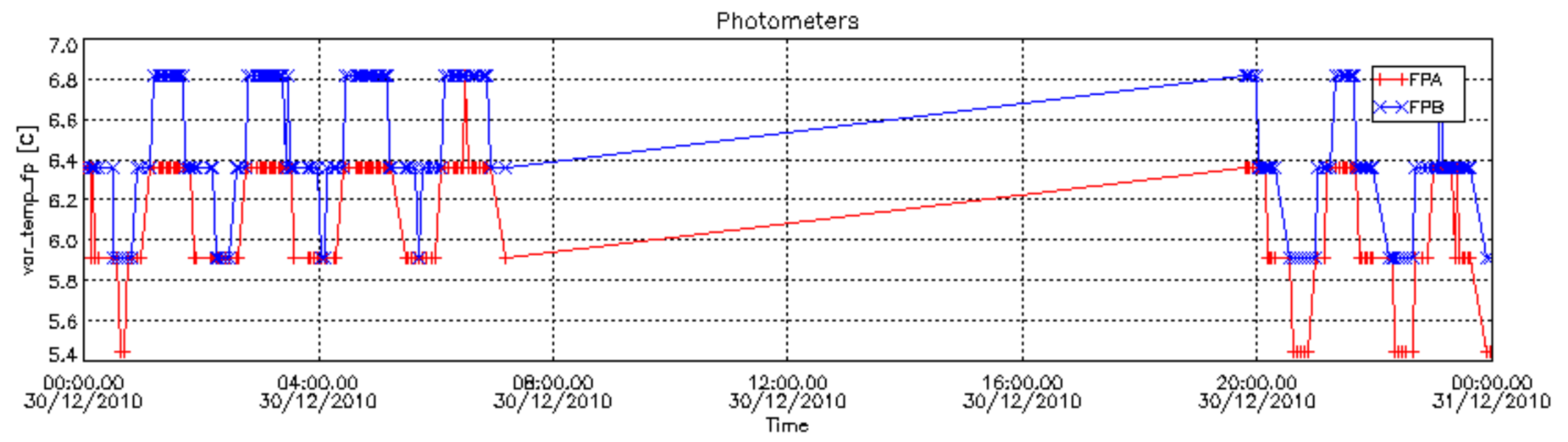
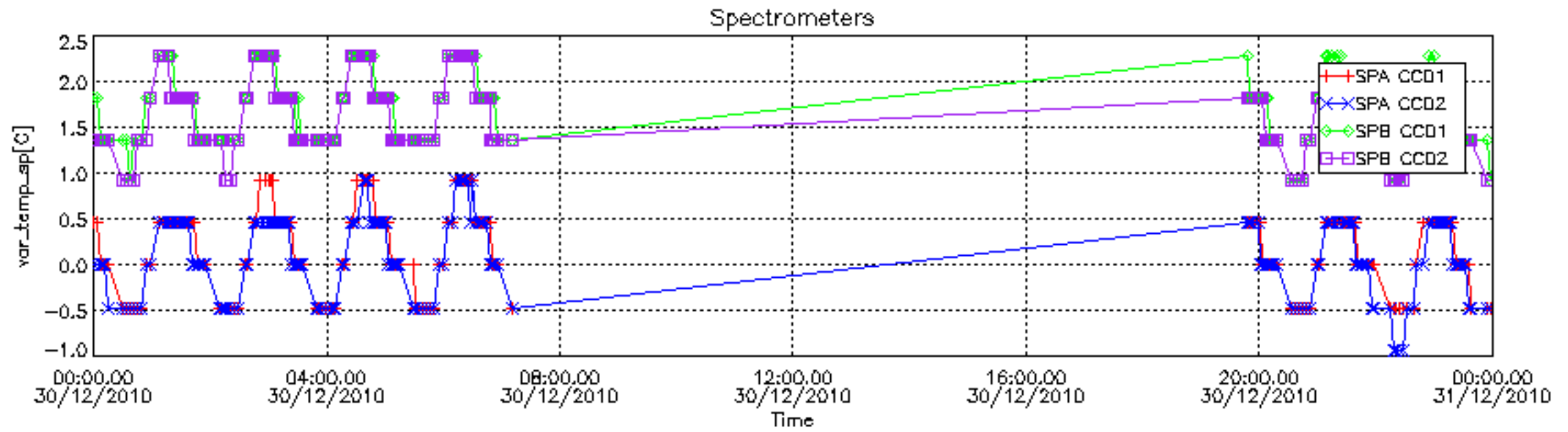


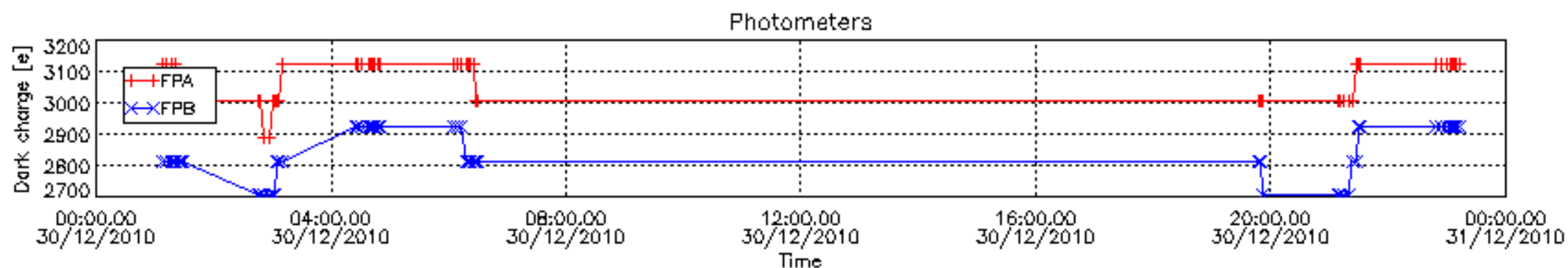
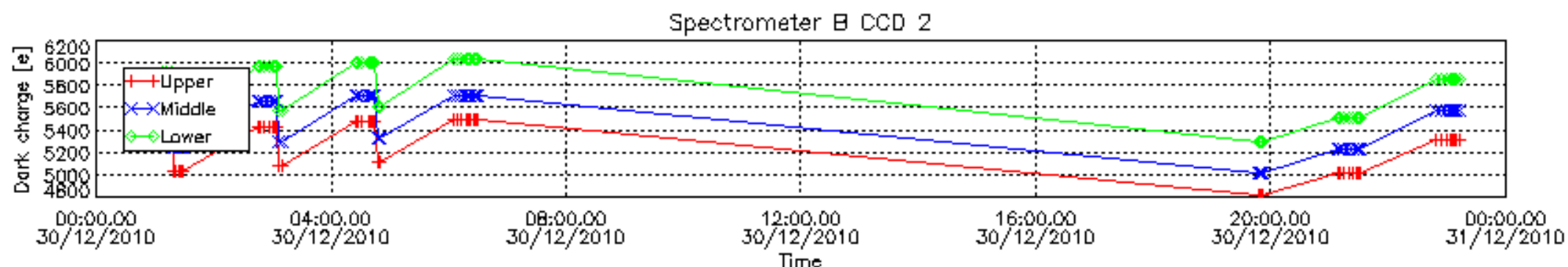
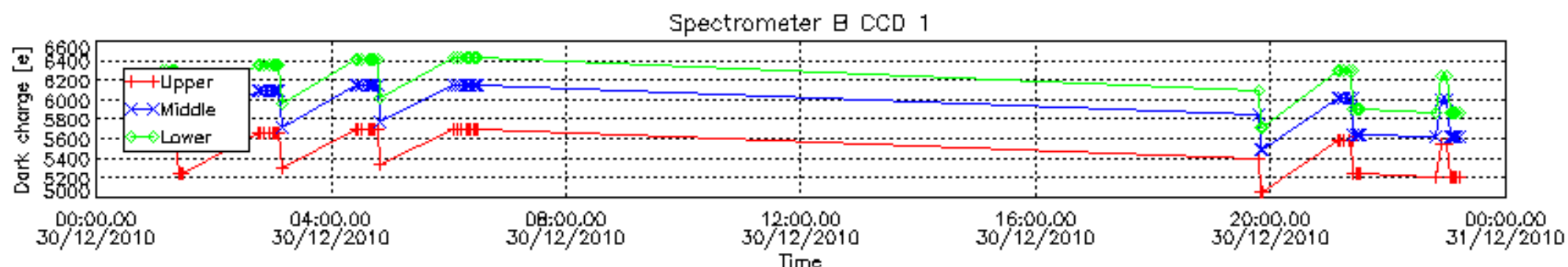
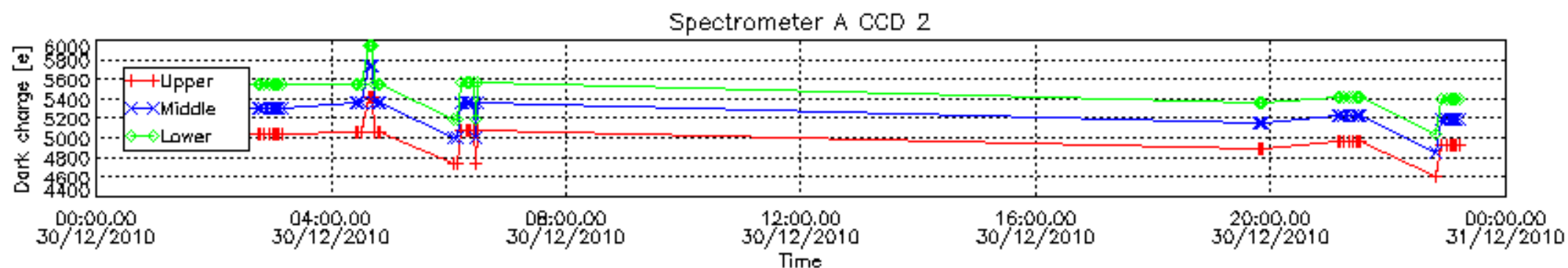
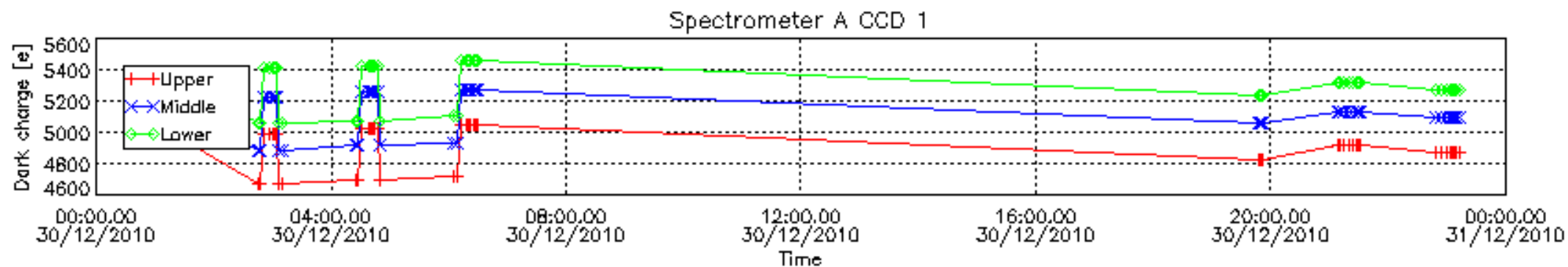
8. Auxiliary Data Files used for the production reported in section 2.4

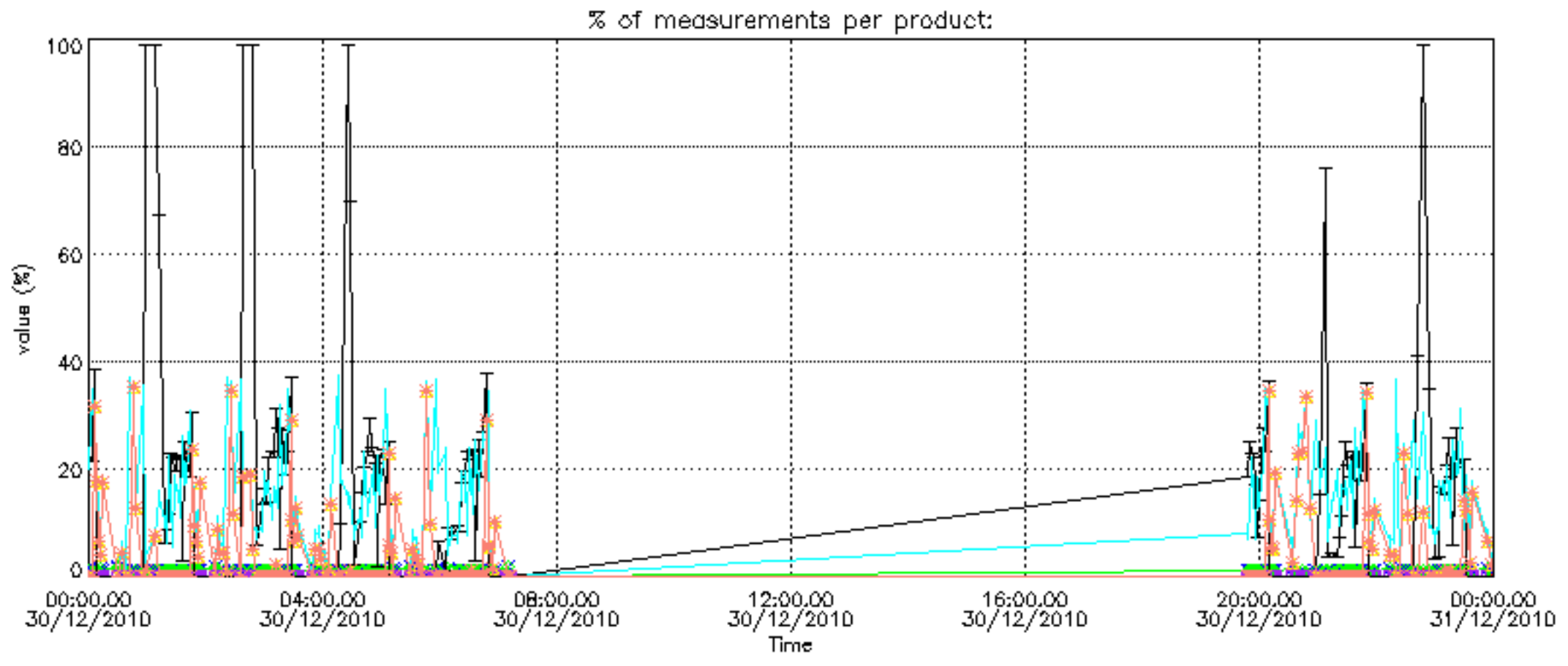
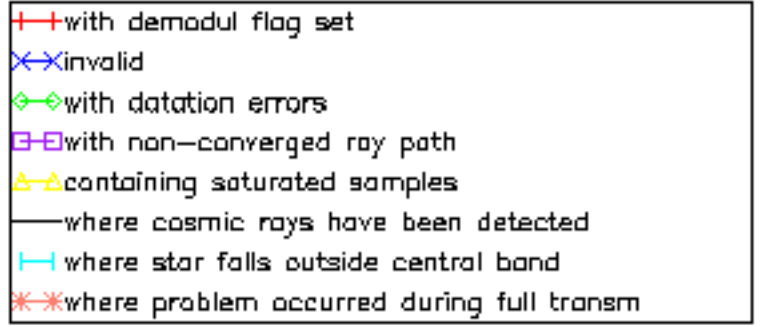
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-DEC-2010 00:00:40
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101227_083101_20101226_000000_20500101_000000	1	30-DEC-2010 00:00:40
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	30-DEC-2010 00:00:40
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	30-DEC-2010 00:00:40
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	30-DEC-2010 00:00:40
ECMWF_FILE	AUX_ECF_AXNECM20101229_054115_20101229_210000_20101230_090000	1	30-DEC-2010 00:00:40
ECMWF_FILE	AUX_ECF_AXNECM20101229_174114_20101230_030000_20101230_150000	65	30-DEC-2010 03:49:52
ECMWF_FILE	AUX_ECA_AXNECM20101230_052113_20101229_210000_20101230_090000	95	30-DEC-2010 05:31:28
ECMWF_FILE	AUX_ECA_AXNECM20101230_172115_20101230_090000_20101230_210000	125	30-DEC-2010 19:47:19
ECMWF_FILE	AUX_ECF_AXNECM20101230_054115_20101230_150000_20101231_030000	145	30-DEC-2010 20:58:23
ECMWF_FILE	AUX_ECF_AXNECM20101230_054115_20101230_210000_20101231_090000	174	30-DEC-2010 22:41:14
OPTIONAL_ECMWF_FILE	MISSING	1	30-DEC-2010 00:00:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101229_231300_000057383098_00044_46179_2228.N1	1	30-DEC-2010 00:00:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101230_005357_000098823098_00045_46180_2229.N1	16	30-DEC-2010 00:58:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101230_034358_000060573098_00047_46182_2230.N1	65	30-DEC-2010 03:49:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101230_053014_000057383098_00048_46183_2231.N1	95	30-DEC-2010 05:31:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101230_194539_000035073098_00057_46192_2232.N1	125	30-DEC-2010 19:47:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101230_204925_000063763098_00057_46192_2233.N1	145	30-DEC-2010 20:58:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101230_224059_000057383098_00058_46193_2234.N1	174	30-DEC-2010 22:41:14

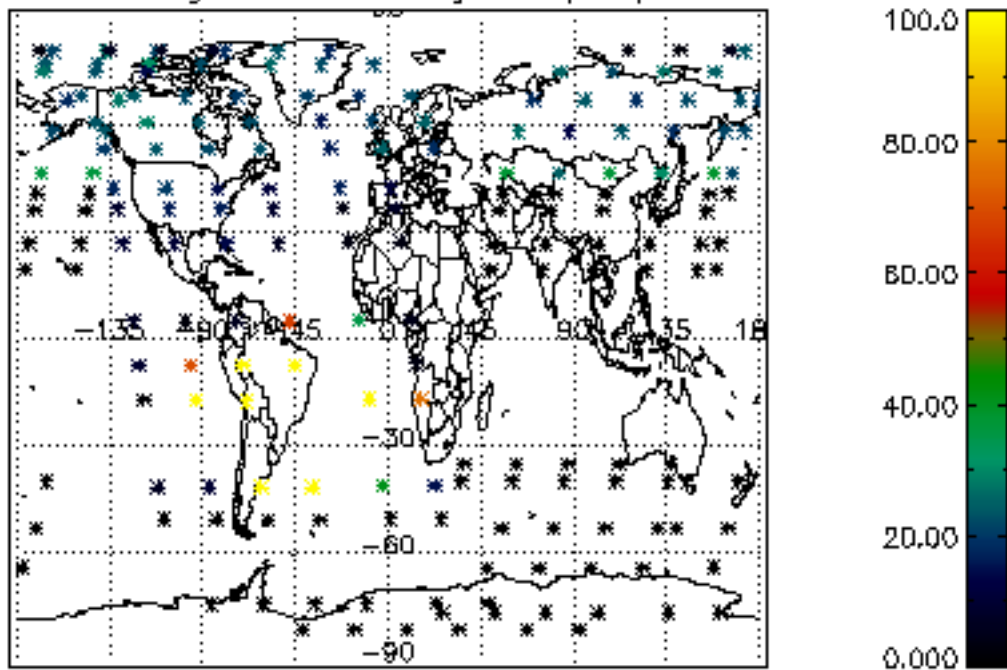




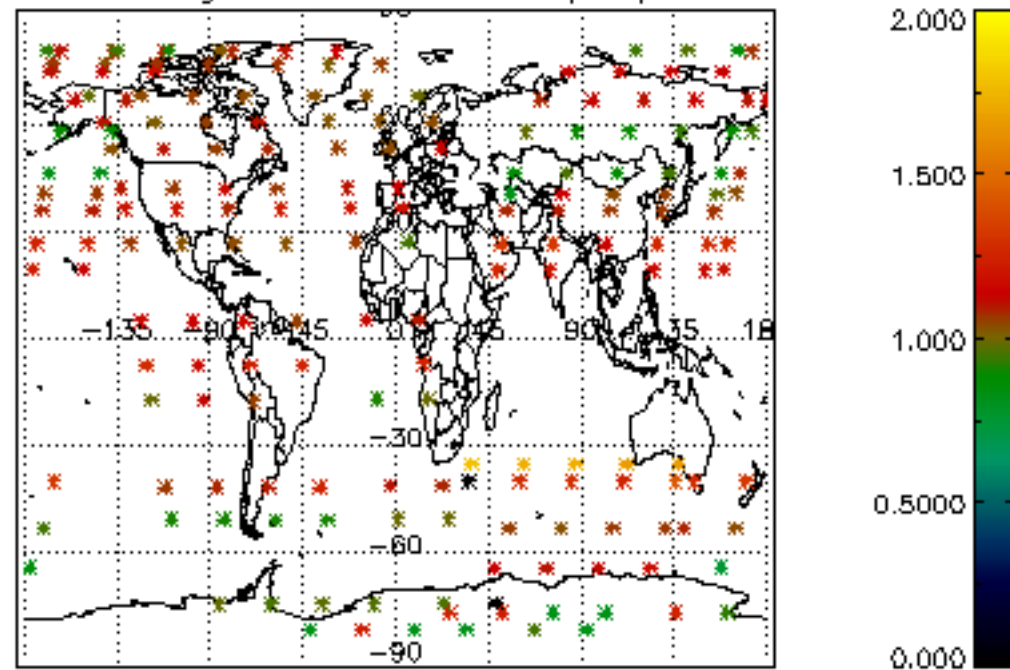




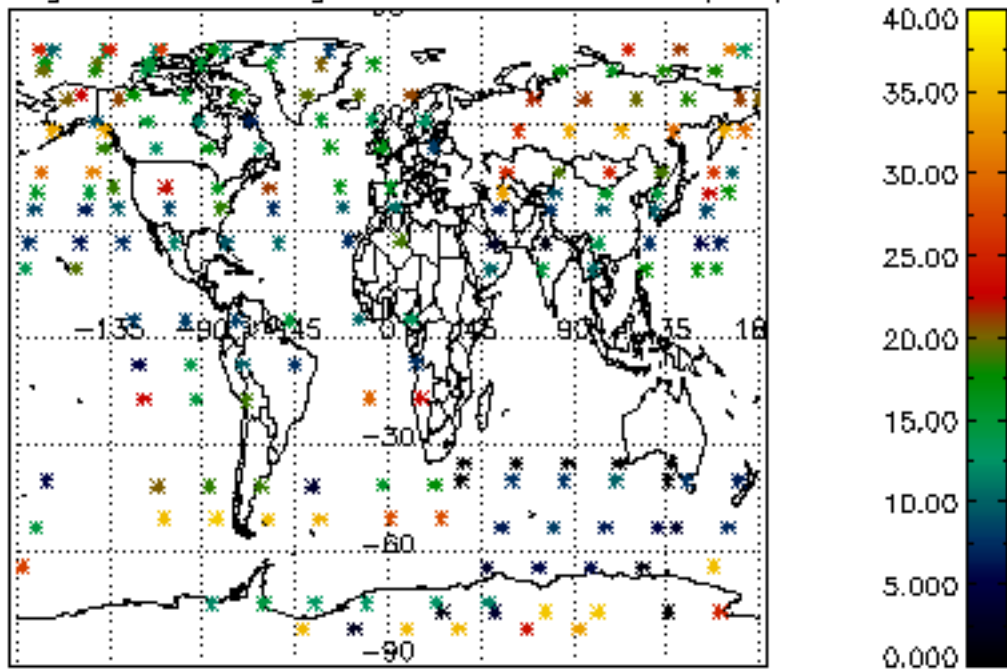
Percentage of cosmic ray hits per profile



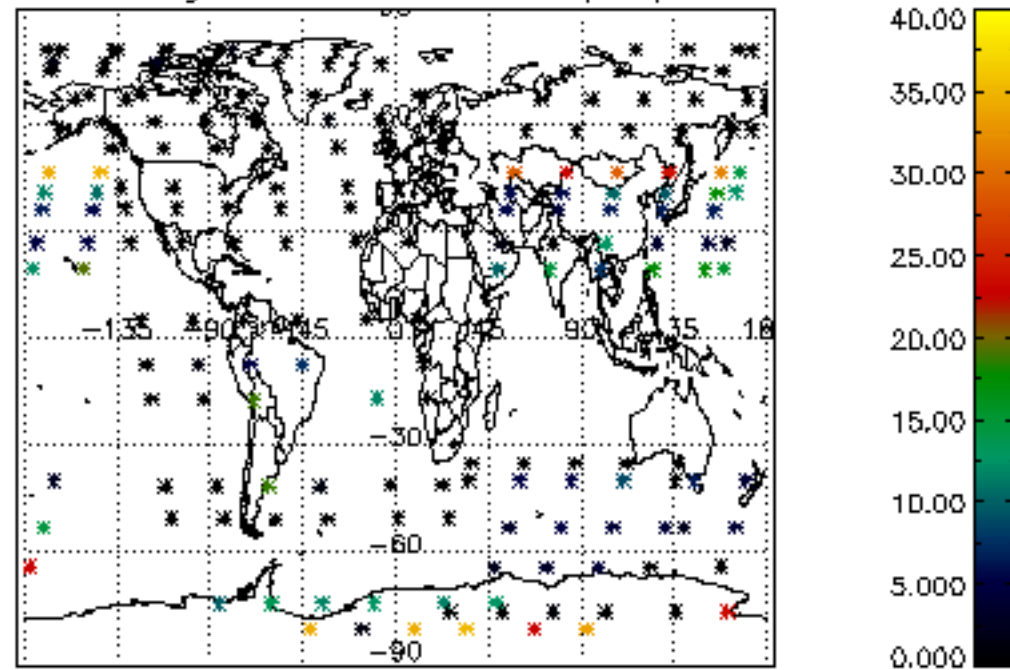
Percentage of datation errors per profile



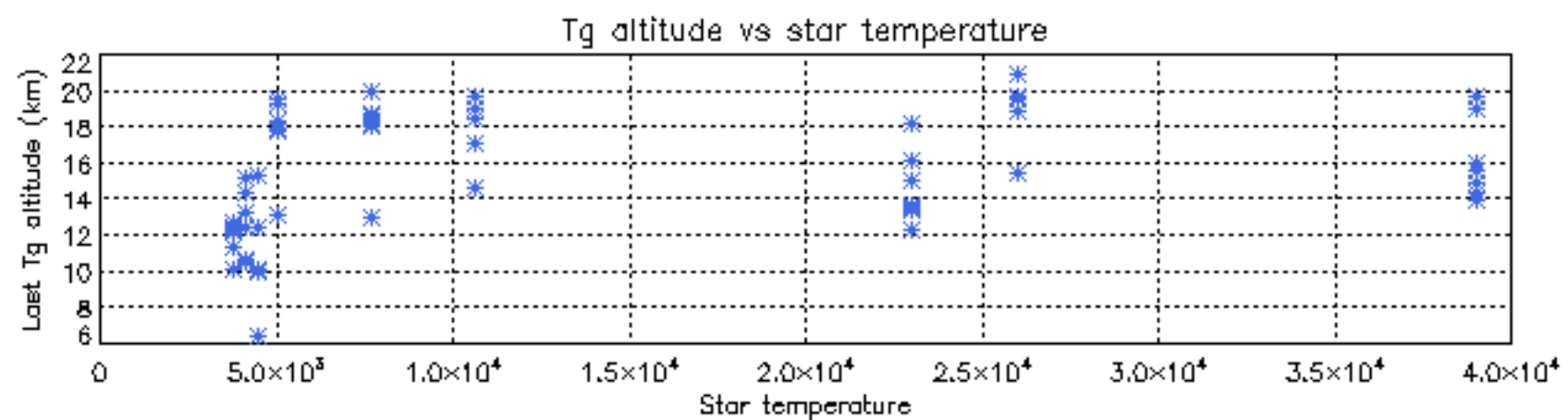
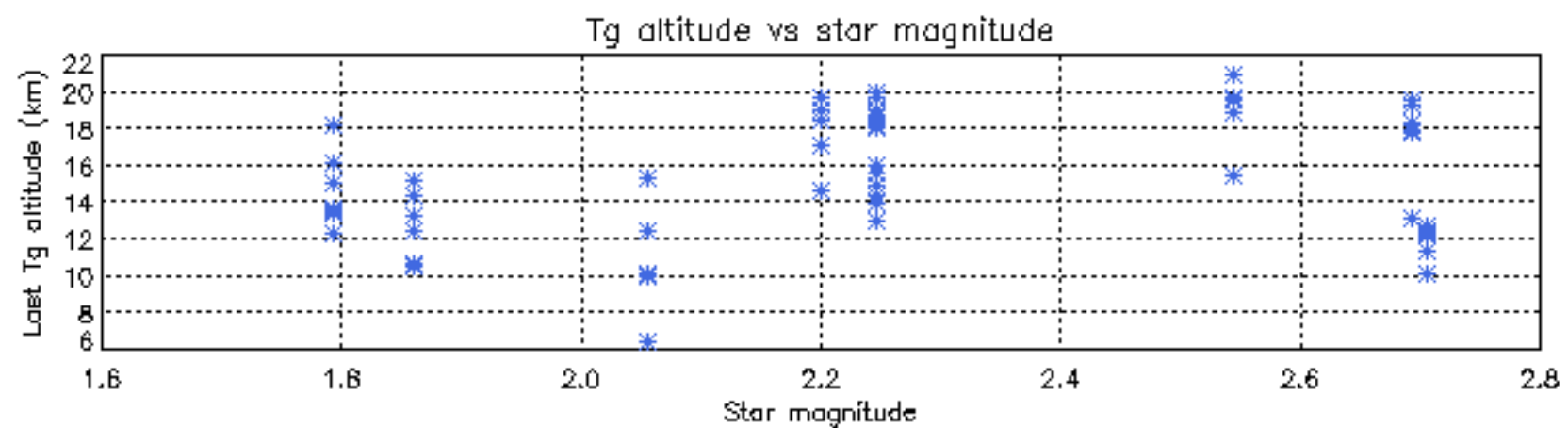
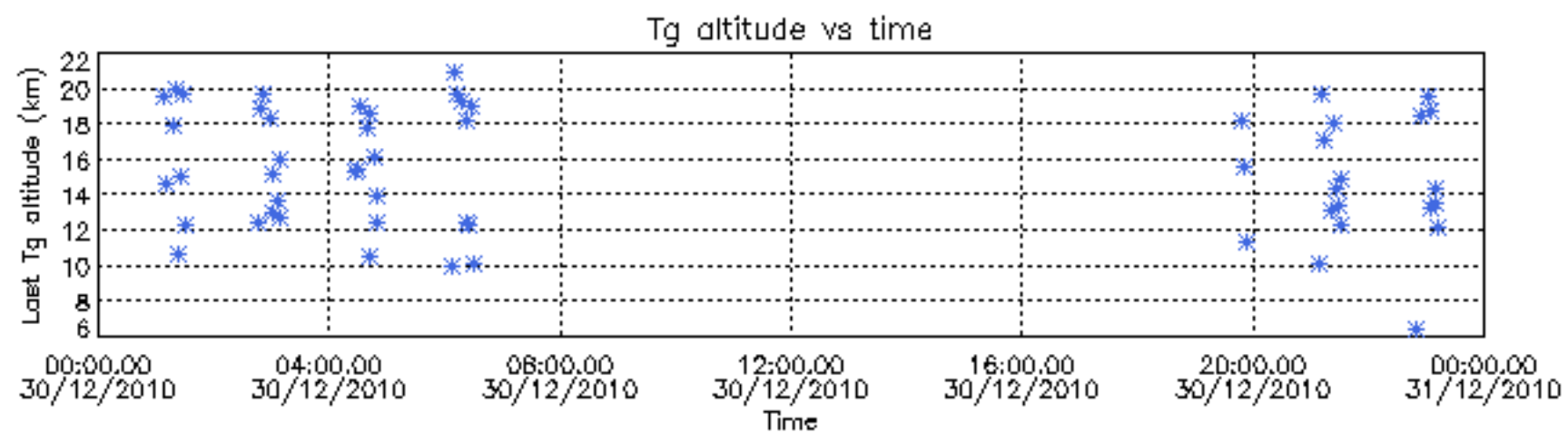
Percentage of star falling outside central band per profile



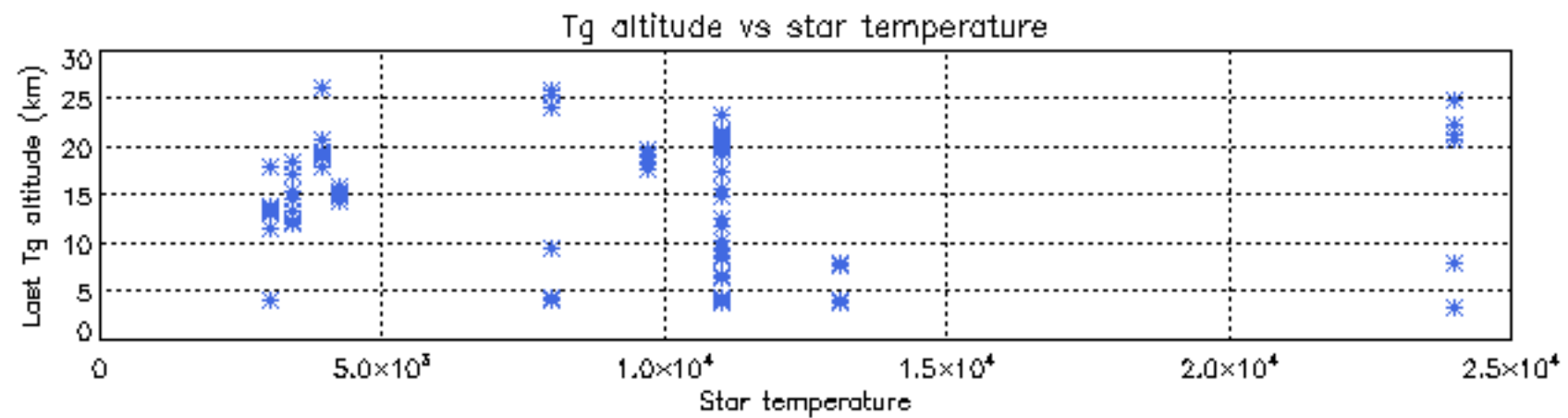
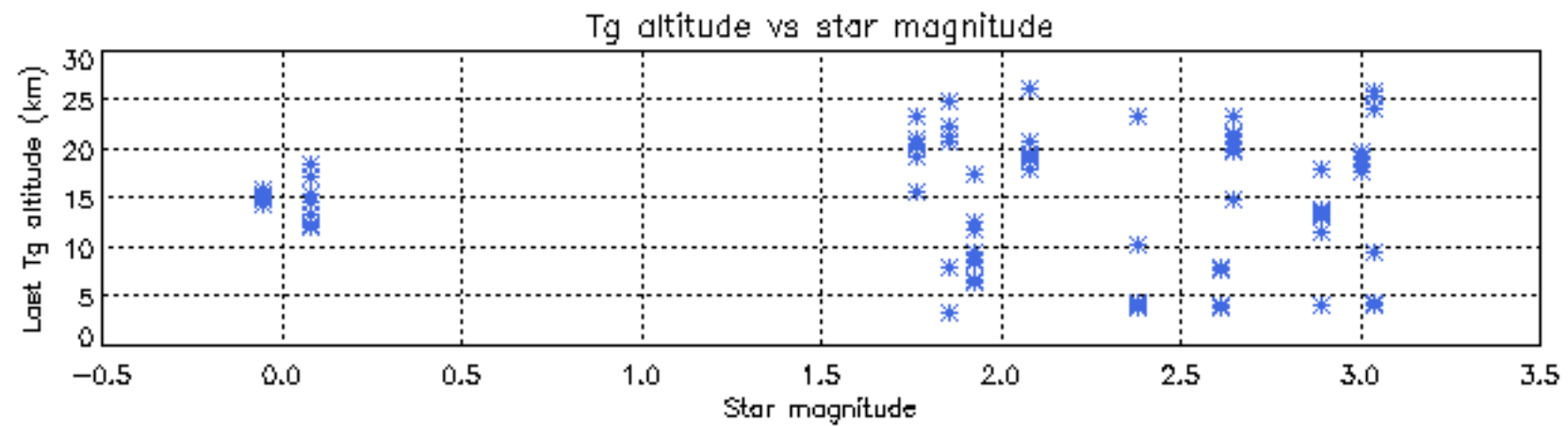
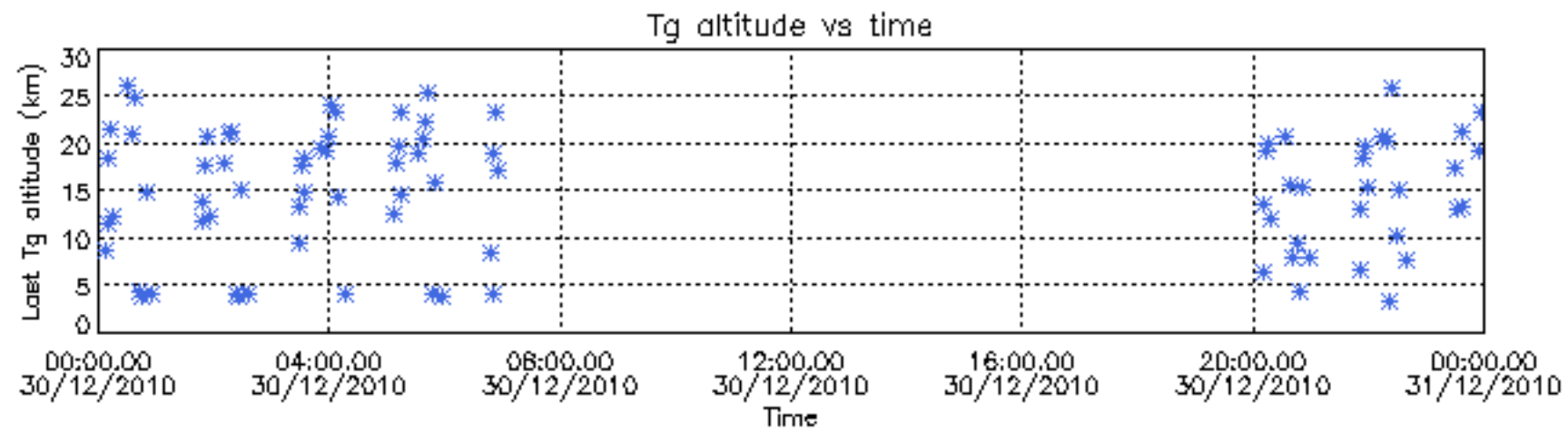
Percentage of saturation errors per profile

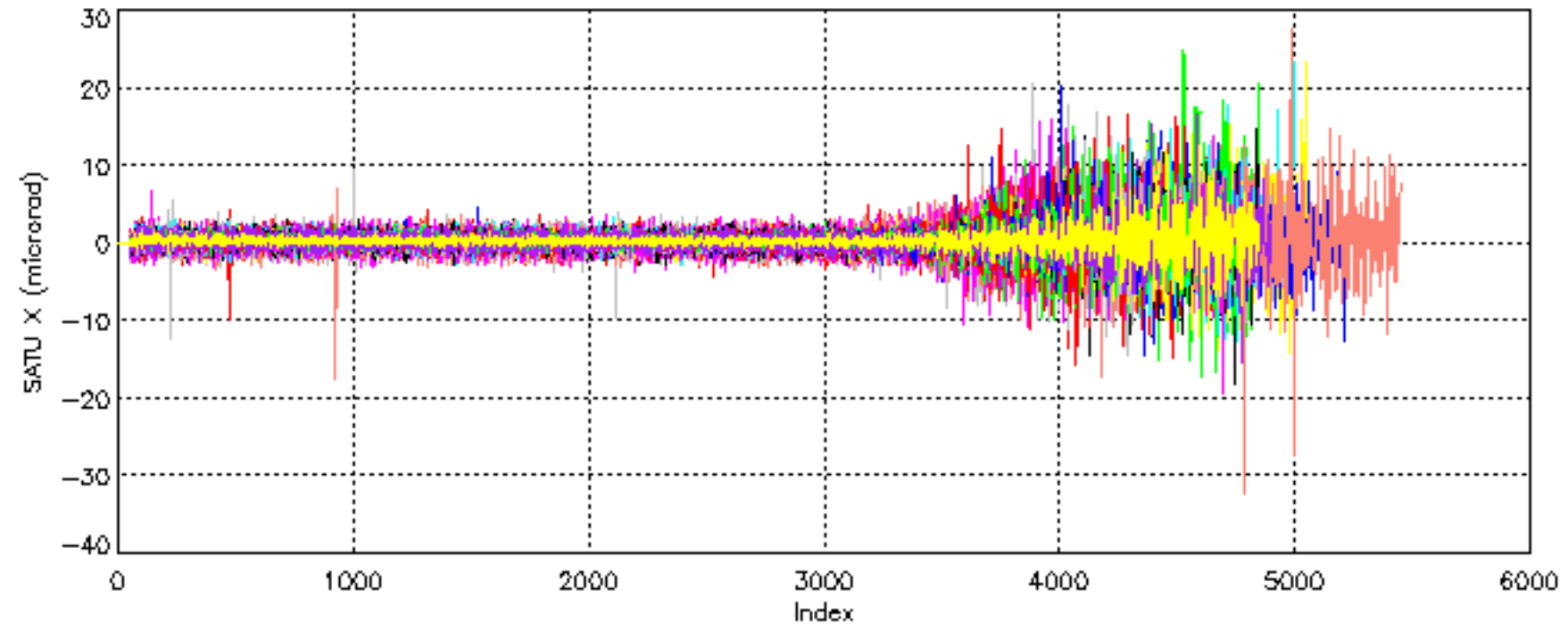


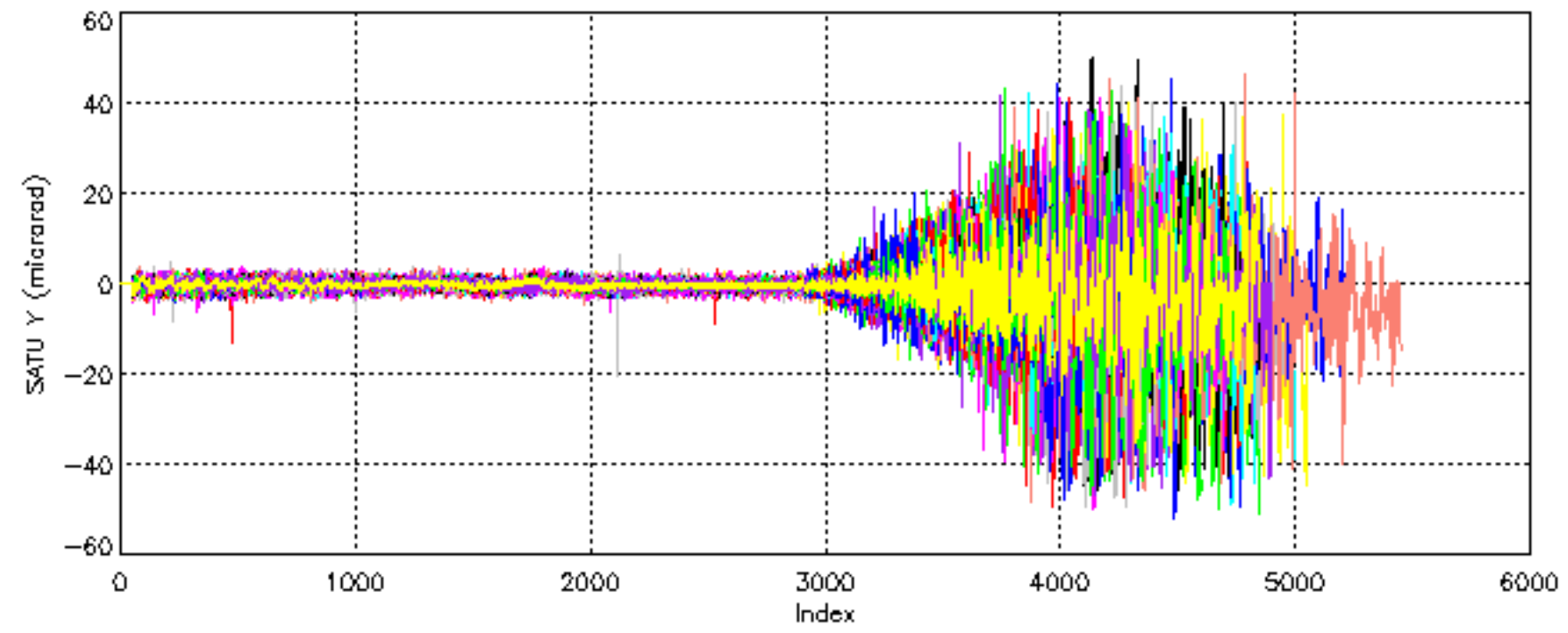
Tangent altitude at which the star is lost

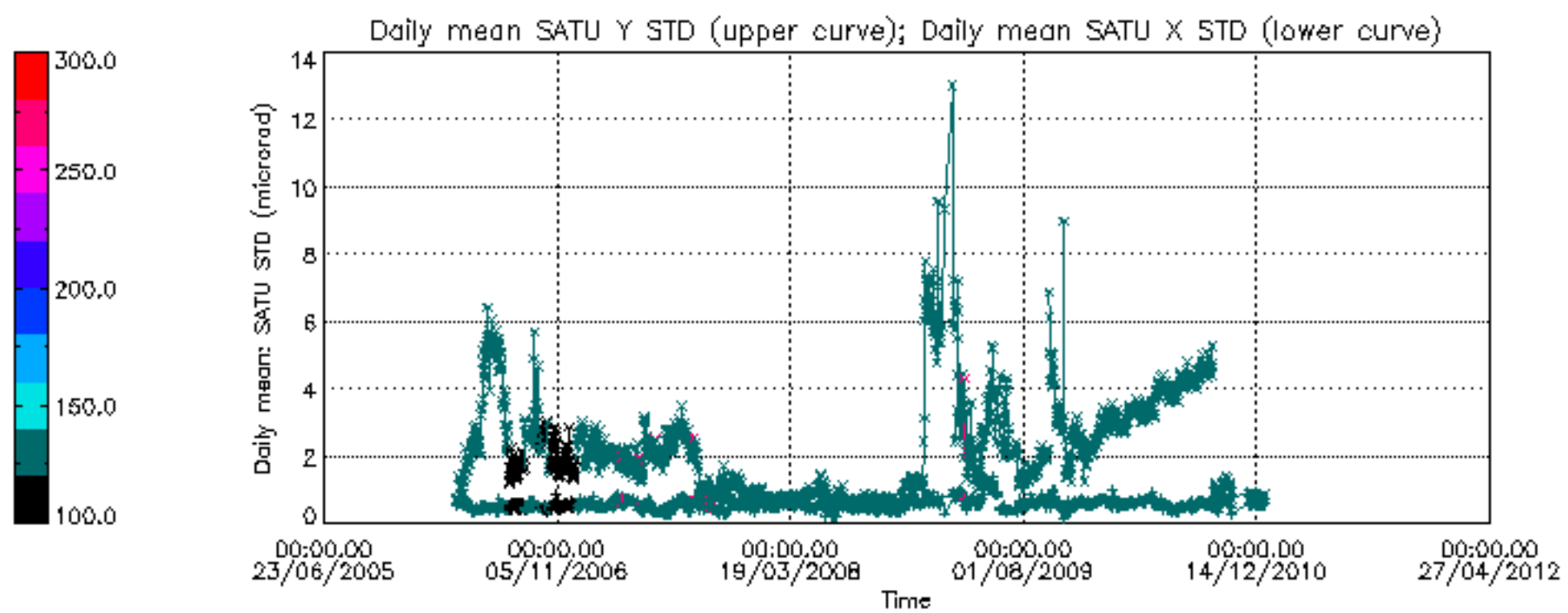


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20101201_002235_000056993097_00059_45763_1795.N1

1; -581.2; 01-DEC-2010 00:22:35; Dark ; 49.0; 100; 4Gam Crv ; 2.58; 13100;occ; 98; 0;45763
2; -485.7; 01-DEC-2010 00:24:11; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;45763
3; 80.8; 01-DEC-2010 00:33:37; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;45764
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
15; 2722.5; 01-DEC-2010 01:17:39; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45764
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
24; 5095.3; 01-DEC-2010 01:57:12; Bright; 23.5; 121; 29Gam Vir ; 2.74; 7200;occ; 47; 0;45764

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20101201_015712_000038993097_00060_45764_1796.N1

1; -918.7; 01-DEC-2010 01:57:12; Bright; 62.0; 121; 29Gam Vir ; 2.74; 7200;occ; 124; 0;45764
2; 81.8; 01-DEC-2010 02:13:52; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;45765
3; 405.6; 01-DEC-2010 02:19:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45765
4; 596.6; 01-DEC-2010 02:22:27; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45765
5; 798.6; 01-DEC-2010 02:25:49; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 0;45765
6; 908.6; 01-DEC-2010 02:27:39; Dark ; 64.0; 117; Pi Pup ; 2.71; 3800;occ; 128; 0;45765
7; 1182.1; 01-DEC-2010 02:32:13; Dark ; 47.0; 108; Alp Col ; 2.65; 15200;occ; 94; 0;45765
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
10; 2217.8; 01-DEC-2010 02:49:28; Bright; 59.0; 13; 87Alp Tau ; 0.87; 3800;occ; 118; 0;45765
11; 2314.7; 01-DEC-2010 02:51:05; Bright; 39.5; 146; 25Eta Tau ; 2.87; 15200;occ; 79; 0;45765
12; 2456.0; 01-DEC-2010 02:53:27; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;45765
13; 2601.2; 01-DEC-2010 02:55:52; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;45765
14; 2722.2; 01-DEC-2010 02:57:53; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45765
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23; 6464.7; 04-DEC-2010 20:32:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45819
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6; 2315.8; 05-DEC-2010 02:04:26; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 24;45822
7; 2445.6; 05-DEC-2010 02:06:36; Bright; 20.0; 150; 44Zet Per ; 2.89; 28000;occ; 40; 0;45822
8; 2553.5; 05-DEC-2010 02:08:24; Bright; 45.0; 114; 3Iot Aur ; 2.69; 4600;occ; 90; 47;45822
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13; 4120.1; 05-DEC-2010 02:34:30; Bright; 48.5; 39; 85Eta UMa ; 1.85; 24000;occ; 97; 50;45822
14; 4345.1; 05-DEC-2010 02:38:16; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 59;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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23; 7583.1; 05-DEC-2010 03:32:14; Dark ; 50.0; 101; 11Alp Lep ; 2.58; 7000;occ; 100; 75;45823
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 4; 2043.0; 07-DEC-2010 12:28:04; Dark ; 54.5; 27; 24Gam Ori ; 1.64; 26000;occ; 109; 0;45857
 5; 2193.2; 07-DEC-2010 12:30:35; Dark ; 52.5; 13; 87Alp Tau ; 0.87; 3800;occ; 105; 0;45857
 6; 2305.9; 07-DEC-2010 12:32:27; Bright; 36.5; 146; 25Eta Tau ; 2.87; 15200;occ; 73; 0;45857
 7; 2441.5; 07-DEC-2010 12:34:43; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;45857
 8; 2522.3; 07-DEC-2010 12:36:04; Bright; 42.5; 114; 3Iot Aur ; 2.69; 4600;occ; 85; 0;45857
 9; 2709.0; 07-DEC-2010 12:39:11; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45857
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 13; 3984.0; 07-DEC-2010 13:00:25; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45857
 14; 4120.3; 07-DEC-2010 13:02:42; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;45857
 15; 4330.6; 07-DEC-2010 13:06:12; Bright; 42.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 85; 0;45857
 16; 4673.6; 07-DEC-2010 13:11:55; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;45857
 17; 4875.5; 07-DEC-2010 13:15:17; Bright; 44.5; 138; 47Eps Vir ; 2.83; 4700;occ; 89; 0;45857
 18; 5156.7; 07-DEC-2010 13:19:58; Dark ; 51.5; 121; 29Gam Vir ; 2.74; 7200;occ; 103; 0;45857
 19; 5432.3; 07-DEC-2010 13:24:34; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;45857
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 21; 5613.4; 07-DEC-2010 13:27:35; Dark ; 54.5; 171; 2Eps Crv ; 3.00; 4250;occ; 109; 0;45857
 22; 5968.9; 07-DEC-2010 13:33:30; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;45857
 23; 6171.3; 07-DEC-2010 13:36:53; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45858
 24; 6496.5; 07-DEC-2010 13:42:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45858
 25; 6689.7; 07-DEC-2010 13:45:31; Dark ; 51.5; 34; Gam2Vel ; 1.79; 23000;occ; 103; 0;45858
 26; 6858.3; 07-DEC-2010 13:48:20; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;45858
 27; 6995.0; 07-DEC-2010 13:50:36; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;45858
 28; 7231.8; 07-DEC-2010 13:54:33; Dark ; 44.0; 108; Alp Col ; 2.65; 15200;occ; 88; 0;45858

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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
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 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
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 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
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;	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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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;	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
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
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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
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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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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11; 4119.8; 10-DEC-2010 09:32:17; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;45898
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 3;-1895.5; 13-DEC-2010 06:01:50; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;45939
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 23; 6257.6; 14-DEC-2010 12:41:42; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45958
 24; 6490.3; 14-DEC-2010 12:45:34; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45958
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 27; 6901.5; 14-DEC-2010 12:52:26; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;45958
 28; 7059.8; 14-DEC-2010 12:55:04; Dark ; 58.0; 117; Pi Pup ; 2.71; 3800;occ; 116; 0;45958
 29; 7257.2; 14-DEC-2010 12:58:21; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;45958
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 12; 1246.2; 15-DEC-2010 00:40:02; Dark ; 58.5; 23; 21Eps CMA ; 1.50; 26000;occ; 117; 0;45965
 13; 1523.2; 15-DEC-2010 00:44:39; Dark ; 54.0; 47; 2Bet CMA ; 1.98; 28000;occ; 108; 0;45965
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9; -512.4; 15-DEC-2010 03:31:12; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;45966
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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
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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
16; 4948.4; 16-DEC-2010 12:46:39; Bright; 42.0; 138; 47Eps Vir ; 2.83; 4700;occ; 84; 0;45986
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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
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23; 6284.3; 16-DEC-2010 14:49:09; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45988
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27; 6915.4; 16-DEC-2010 14:59:40; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;45988
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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7; 2176.5; 16-DEC-2010 17:01:09; Dark ; 51.5; 13; 87Alp Tau ; 0.87; 3800;occ; 103; 0;45989
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10; 2642.4; 16-DEC-2010 17:08:55; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45989
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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
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 13; 1364.4; 17-DEC-2010 01:08:47; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;45994
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13; 4115.3; 17-DEC-2010 16:56:44; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;46003
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22; 6075.2; 18-DEC-2010 18:32:55; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;46019
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9; 3684.0; 20-DEC-2010 08:18:26; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;46041
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13; 4520.0; 20-DEC-2010 08:32:22; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;46041
14; 4728.1; 20-DEC-2010 08:35:50; Bright; 64.0; 111; 8Eta Boo ; 2.68; 6000;occ; 128; 0;46041
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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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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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13; 4322.4; 20-DEC-2010 15:10:01; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;46045
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 16; 5354.1; 20-DEC-2010 15:27:12; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;46045
 17; 5564.5; 20-DEC-2010 15:30:43; Dark ; 51.5; 169; 46Gam Hya ; 2.99; 4700;occ; 103; 0;46045
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 23; 6639.6; 20-DEC-2010 15:48:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46046
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 25; 6956.7; 20-DEC-2010 15:53:55; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;46046
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 9; 2611.7; 20-DEC-2010 16:21:44; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;46046
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 19; 5737.7; 20-DEC-2010 17:13:50; Dark ; 57.0; 106; 9Bet Crv ; 2.65; 5600;occ; 114; 0;46046
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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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24; 6096.9; 20-DEC-2010 20:40:18; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;46049
25; 6339.3; 20-DEC-2010 20:44:20; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46049
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 6; 1743.0; 21-DEC-2010 20:31:14; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;46063
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19; 6345.6; 21-DEC-2010 08:26:04; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;46056
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9; 3942.6; 21-DEC-2010 09:26:15; Bright; 46.0; 32; 77Eps UMa ; 1.76; 11000;occ; 92; 0;46056
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22; 6576.4; 24-DEC-2010 10:00:12; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;46100
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27; 7311.6; 24-DEC-2010 10:12:28; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;46100
28; 7409.9; 24-DEC-2010 10:14:06; Dark ; 49.0; 179; 240mi2CMA ; 3.03; 24000;occ; 98; 0;46100
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 13; 4530.9; 24-DEC-2010 12:46:35; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;46101
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 19; 6033.4; 24-DEC-2010 14:51:51; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;46103
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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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3; 1299.4; 24-DEC-2010 18:33:40; Dark ; 53.0; 23; 21Eps Cma ; 1.50; 26000;occ; 106; 0;46105
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5; 1557.4; 24-DEC-2010 18:37:58; Dark ; 58.5; 1; 9Alp Cma ; -1.44; 11000;occ; 117; 0;46105
6; 1746.7; 24-DEC-2010 18:41:07; Dark ; 50.5; 7; 19Bet Ori ; 0.10; 14000;occ; 101; 0;46105
7; 1866.6; 24-DEC-2010 18:43:07; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;46105

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11;	2585.4;	24-DEC-2010	18:55:05;	Bright;	44.5;	107;	37The Aur ;	2.65;	11000;occ;	89;	0;46105
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13;	3680.5;	24-DEC-2010	19:13:21;	Bright;	54.0;	60;	7Bet UMi ;	2.08;	3950;occ;	108;	0;46105
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26;	6579.9;	24-DEC-2010	20:01:40;	Dark ;	42.5;	71;	Iot Car ;	2.25;	7700;occ;	85;	0;46106
27;	6684.2;	24-DEC-2010	20:03:24;	Dark ;	56.5;	41;	Eps Car ;	1.86;	4100;occ;	113;	0;46106
28;	6769.1;	24-DEC-2010	20:04:49;	Dark ;	58.5;	65;	Lam Vel ;	2.20;	4400;occ;	117;	0;46106
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12;	1398.4;	25-DEC-2010	01:16:14;	Dark ;	48.0;	179;	240mi2CMa ;	3.03;	24000;occ;	96;	0;46109
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21;	3680.3;	25-DEC-2010	01:54:16;	Bright;	38.0;	60;	7Bet UMi ;	2.08;	3950;occ;	76;	0;46109
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9;	672.1;	25-DEC-2010	02:44:22;	Dark ;	45.5;	41;	Eps Car ;	1.86;	4100;occ;	91;	0;46110
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11;	853.2;	25-DEC-2010	02:47:23;	Dark ;	44.5;	34;	Gam2Vel ;	1.79;	23000;occ;	89;	0;46110
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10;	2313.6;	31-DEC-2010	19:34:10;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;46206
11;	2552.7;	31-DEC-2010	19:38:09;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;46206
12;	2677.7;	31-DEC-2010	19:40:14;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;occ;	82;	0;46206
13;	3672.2;	31-DEC-2010	19:56:49;	Bright;	;	35.0;	60;	7Bet UMi	;	2.08;	3950;occ;	70;	0;46206
14;	3891.1;	31-DEC-2010	20:00:28;	Bright;	;	49.5;	32;	77Eps UMa	;	1.76;	11000;occ;	99;	0;46206
15;	4087.7;	31-DEC-2010	20:03:44;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;occ;	132;	0;46206
16;	4330.9;	31-DEC-2010	20:07:47;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;occ;	124;	0;46206
17;	4551.4;	31-DEC-2010	20:11:28;	Bright;	;	62.0;	83;		;	2.38;	11000;occ;	124;	0;46206
18;	4746.2;	31-DEC-2010	20:14:43;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	107;	0;46206
19;	5169.6;	31-DEC-2010	20:21:46;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;46206
20;	5327.7;	31-DEC-2010	20:24:24;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	91;	0;46206
21;	5739.5;	31-DEC-2010	20:31:16;	Dark	;	48.5;	54;	5The Cen	;	2.06;	4500;occ;	97;	0;46206
22;	5904.9;	31-DEC-2010	20:34:01;	Dark	;	42.0;	95;	Zet Cen	;	2.55;	26000;occ;	84;	0;46206
23;	6113.8;	31-DEC-2010	20:37:30;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;46207
24;	6222.7;	31-DEC-2010	20:39:19;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;46207
25;	6482.0;	31-DEC-2010	20:43:38;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;46207
26;	6636.4;	31-DEC-2010	20:46:13;	Dark	;	45.0;	71;	Iot Car	;	2.25;	7700;occ;	90;	0;46207
27;	6750.2;	31-DEC-2010	20:48:07;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;occ;	85;	0;46207
28;	6921.0;	31-DEC-2010	20:50:57;	Dark	;	48.0;	34;	Gam2Vel	;	1.79;	23000;occ;	96;	0;46207
29;	7051.8;	31-DEC-2010	20:53:08;	Dark	;	23.5;	70;	Zet Pup	;	2.25;	39000;occ;	47;	0;46207