

GOMOS Daily Report 02-DEC-2010

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	14DEC2010 15:15:05
Data source version	GOMOS/5.01
Start time of products	02DEC2010 00:05:41
Stop time of products	02DEC2010 23:59:40
Store outputs in DB	No
Nb of level 1b prods	124
Nb of prods with errors	1

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

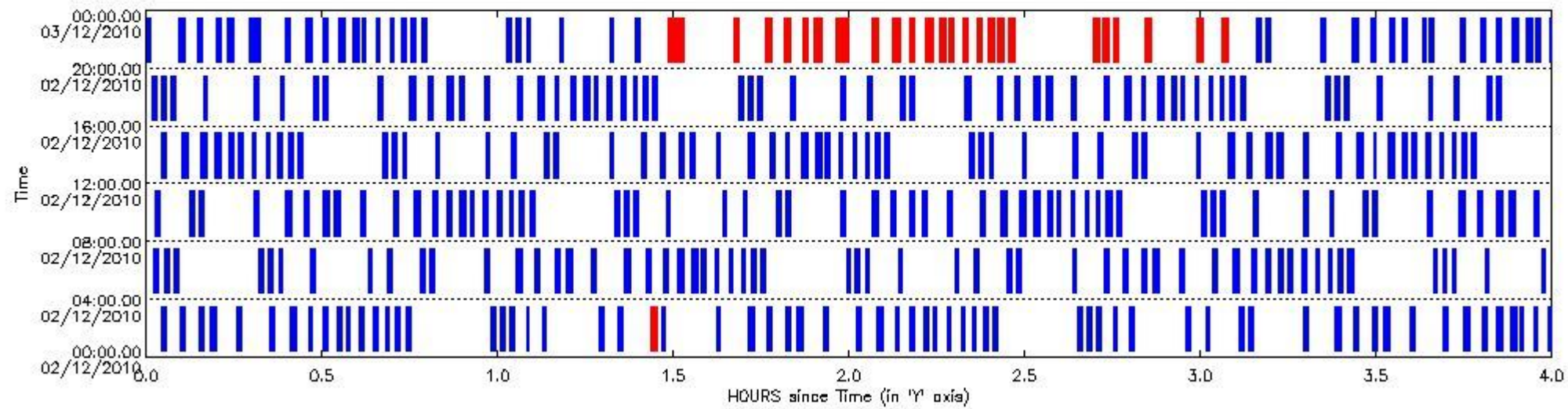
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
02-DEC-2010 01:26:15	4GamCrv	100	45778
02-DEC-2010 21:29:13	4GamCrv	100	45790
02-DEC-2010 21:30:49	2EpsCrv	171	45790
02-DEC-2010 21:40:14	MuVel	113	45791
02-DEC-2010 21:45:39	DSA1030	0	45791
02-DEC-2010 21:48:51	Gam2Vel	34	45791
02-DEC-2010 21:52:04	AlpCar	2	45791
02-DEC-2010 21:54:02	PIPup	117	45791
02-DEC-2010 21:57:45	21EpsCMA	23	45791
02-DEC-2010 21:58:39	1ZetCMA	177	45791
02-DEC-2010 22:03:59	11AlpLep	101	45791
02-DEC-2010 22:07:30	19BetOri	7	45791
02-DEC-2010 22:10:22	46EpsOri	30	45791
02-DEC-2010 22:13:01	24GamOri	27	45791
02-DEC-2010 22:15:22	87AlpTau	13	45791

02-DEC-2010 22:17:03	25EtaTau	146	45791
02-DEC-2010 22:19:23	44ZetPer	150	45791
02-DEC-2010 22:21:47	45EpsPer	149	45791
02-DEC-2010 22:23:49	39DelPer	175	45791
02-DEC-2010 22:25:27	13AlpAur	6	45791
02-DEC-2010 22:27:07	34BetAur	42	45791
02-DEC-2010 22:41:44	50AlpUMa	36	45791
02-DEC-2010 22:43:18	48BetUMa	82	45791
02-DEC-2010 22:45:04	77EpsUMa	32	45791
02-DEC-2010 22:50:40	12Alp2CVn	152	45791
02-DEC-2010 22:59:19	47EpsVir	138	45791
02-DEC-2010 23:03:43	29GamVir	121	45791

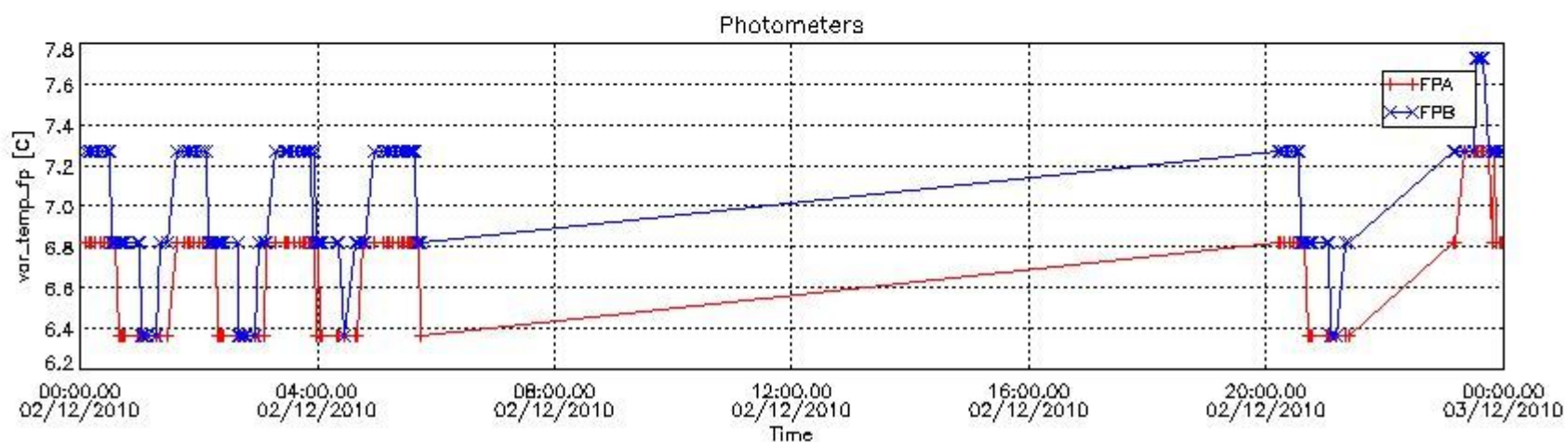
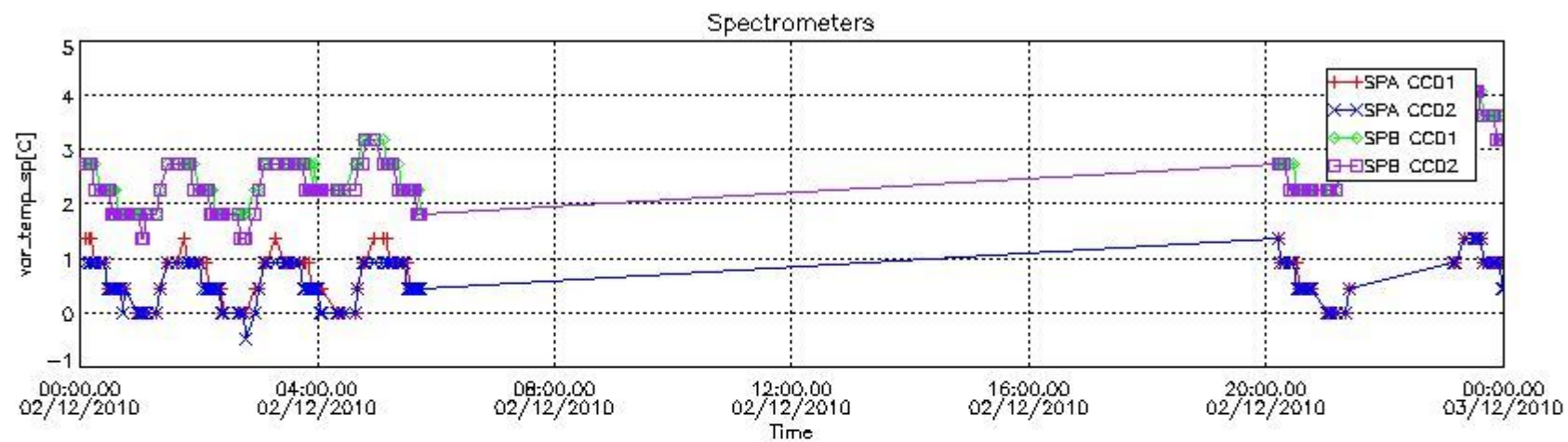
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101202_000541_000000543097_00074_45778_2641.N1	02-DEC-2010 00:05:41	Dark	54.000	34	Gam2Vel	1.7930	23000.	108	45778	No
2	GOM_TRA_1PNPDE20101202_000858_000000463097_00074_45778_2642.N1	02-DEC-2010 00:08:58	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	45778	No
3	GOM_TRA_1PNPDE20101202_001053_000000613097_00074_45778_2643.N1	02-DEC-2010 00:10:53	Dark	61.000	117	Pi Pup	2.7060	3800.0	122	45778	No
4	GOM_TRA_1PNPDE20101202_001521_000000483097_00074_45778_2644.N1	02-DEC-2010 00:15:21	Dark	48.000	108	Alp Col	2.6520	15200.	96	45778	No
5	GOM_TRA_1PNPDE20101202_002059_000000533097_00074_45778_2645.N1	02-DEC-2010 00:20:59	Straylight	53.000	101	11Alp Lep	2.5820	7000.0	106	45778	No
6	GOM_TRA_1PNPDE20101202_002432_000000673097_00074_45778_2646.N1	02-DEC-2010 00:24:32	Straylight	66.500	7	19Bet Ori	0.10000	14000.	133	45778	No
7	GOM_TRA_1PNPDE20101202_002744_000000393097_00074_45778_2647.N1	02-DEC-2010 00:27:44	Twilight	39.000	72	34Del Ori	2.2500	30000.	78	45778	No
8	GOM_TRA_1PNPDE20101202_003008_000000533097_00074_45778_2648.N1	02-DEC-2010 00:30:08	Twilight	53.000	27	24Gam Ori	1.6360	26000.	106	45778	No
9	GOM_TRA_1PNPDE20101202_003227_000000593097_00074_45778_2649.N1	02-DEC-2010 00:32:27	Bright	58.500	13	87Alp Tau	0.86700	3800.0	117	45778	No
10	GOM_TRA_1PNPDE20101202_003406_000000403097_00074_45778_2650.N1	02-DEC-2010 00:34:06	Bright	39.500	146	25Eta Tau	2.8730	15200.	79	45778	No
11	GOM_TRA_1PNPDE20101202_003627_000000383097_00074_45778_2651.N1	02-DEC-2010 00:36:27	Bright	38.000	150	44Zet Per	2.8900	28000.	76	45778	No
12	GOM_TRA_1PNPDE20101202_003851_000000373097_00074_45778_2652.N1	02-DEC-2010 00:38:51	Bright	36.500	149	45Eps Per	2.8880	30000.	73	45778	No
13	GOM_TRA_1PNPDE20101202_004053_000000373097_00074_45778_2653.N1	02-DEC-2010 00:40:53	Bright	36.500	175	39Del Per	3.0100	19400.	73	45778	No
14	GOM_TRA_1PNPDE20101202_004236_000000463097_00074_45778_2654.N1	02-DEC-2010 00:42:36	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	45778	No
15	GOM_TRA_1PNPDE20101202_004420_000000513097_00074_45778_2655.N1	02-DEC-2010 00:44:20	Bright	50.500	42	34Bet Aur	1.9000	10200.	101	45778	No
16	GOM_TRA_1PNPDE20101202_005849_000000453097_00074_45778_2656.N1	02-DEC-2010 00:58:49	Bright	44.500	36	50Alp UMa	1.8000	6300.0	89	45778	No
17	GOM_TRA_1PNPDE20101202_010025_000000473097_00074_45778_2657.N1	02-DEC-2010 01:00:25	Bright	47.000	82	48Bet UMa	2.3650	10600.	94	45778	No
18	GOM_TRA_1PNPDE20101202_010206_000000423097_00074_45778_2658.N1	02-DEC-2010 01:02:06	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	45778	No
19	GOM_TRA_1PNPDE20101202_010454_000000293097_00074_45778_2659.N1	02-DEC-2010 01:04:54	Twilight	29.000	174	52Psi UMa	3.0040	4400.0	58	45778	No
20	GOM_TRA_1PNPDE20101202_010740_000000393097_00074_45778_2660.N1	02-DEC-2010 01:07:40	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	45778	No
21	GOM_TRA_1PNPDE20101202_011720_000000503097_00074_45778_2661.N1	02-DEC-2010 01:17:20	Bright	50.000	62	94Bet Leo	2.1360	9700.0	100	45778	No
22	GOM_TRA_1PNPDE20101202_012037_000000453097_00074_45778_2662.N1	02-DEC-2010 01:20:37	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	45778	No
23	GOM_TRA_1PNPDE20101202_012754_000000483097_00074_45778_2696.N1	02-DEC-2010 01:27:54	Dark	47.500	171	2Eps Crv	3.0010	4250.0	95	45778	No
24	GOM_TRA_1PNPDE20101202_013720_000000433097_00075_45779_2697.N1	02-DEC-2010 01:37:20	Dark	42.500	113	Mu Vel	2.6920	5000.0	85	45779	No
25	GOM_TRA_1PNPDE20101202_014556_000000493097_00075_45779_2698.N1	02-DEC-2010 01:45:56	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	45779	No
26	GOM_TRA_1PNPDE20101202_014913_000000503097_00075_45779_2699.N1	02-DEC-2010 01:49:13	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	45779	No
27	GOM_TRA_1PNPDE20101202_015107_000000643097_00075_45779_2700.N1	02-DEC-2010 01:51:07	Dark	63.500	117	Pi Pup	2.7060	3800.0	127	45779	No
28	GOM_TRA_1PNPDE20101202_015535_000000483097_00075_45779_2701.N1	02-DEC-2010 01:55:35	Dark	47.500	108	Alp Col	2.6520	15200.	95	45779	No
29	GOM_TRA_1PNPDE20101202_020113_000000533097_00075_45779_2702.N1	02-DEC-2010 02:01:13	Straylight	54.500	101	11Alp Lep	2.5820	7000.0	109	45779	No
30	GOM_TRA_1PNPDE20101202_020446_000000593097_00075_45779_2703.N1	02-DEC-2010 02:04:46	Straylight	58.500	7	19Bet Ori	0.10000	14000.	117	45779	No
31	GOM_TRA_1PNPDE20101202_020757_000000393097_00075_45779_2704.N1	02-DEC-2010 02:07:57	Twilight	39.000	72	34Del Ori	2.2500	30000.	78	45779	No
32	GOM_TRA_1PNPDE20101202_021022_000000533097_00075_45779_2705.N1	02-DEC-2010 02:10:22	Twilight	53.000	27	24Gam Ori	1.6360	26000.	106	45779	No
33	GOM_TRA_1PNPDE20101202_021241_000000613097_00075_45779_2706.N1	02-DEC-2010 02:12:41	Bright	60.500	13	87Alp Tau	0.86700	3800.0	121	45779	No
34	GOM_TRA_1PNPDE20101202_021420_000000373097_00075_45779_2707.N1	02-DEC-2010 02:14:20	Bright	37.000	146	25Eta Tau	2.8730	15200.	74	45779	No
35	GOM_TRA_1PNPDE20101202_021640_000000393097_00075_45779_2708.N1	02-DEC-2010 02:16:40	Bright	39.000	150	44Zet Per	2.8900	28000.	78	45779	No
36	GOM_TRA_1PNPDE20101202_021905_000000383097_00075_45779_2709.N1	02-DEC-2010 02:19:05	Bright	38.000	149	45Eps Per	2.8880	30000.	76	45779	No
37	GOM_TRA_1PNPDE20101202_022107_000000363097_00075_45779_2710.N1	02-DEC-2010 02:21:07	Bright	36.000	175	39Del Per	3.0100	19400.	72	45779	No
38	GOM_TRA_1PNPDE20101202_022249_000000503097_00075_45779_2711.N1	02-DEC-2010 02:22:49	Bright	49.500	6	13Alp Aur	0.080000	3400.0	99	45779	No
39	GOM_TRA_1PNPDE20101202_022434_000000513097_00075_45779_2712.N1	02-DEC-2010 02:24:34	Bright	51.000	42	34Bet Aur	1.9000	10200.	102	45779	No
40	GOM_TRA_1PNPDE20101202_023903_000000413097_00075_45779_2713.N1	02-DEC-2010 02:39:03	Bright	41.000	36	50Alp UMa	1.8000	6300.0	82	45779	No
41	GOM_TRA_1PNPDE20101202_024038_000000483097_00075_45779_2714.N1	02-DEC-2010 02:40:38	Bright	47.500	82	48Bet UMa	2.3650	10600.	95	45779	No
42	GOM_TRA_1PNPDE20101202_024220_000000393097_00075_45779_2715.N1	02-DEC-2010 02:42:20	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	45779	No

43	GOM_TRA_1PNPDE20101202_024508_000000293097_00075_45779_2716.N1	02-DEC-2010 02:45:08	Twilight	29.000	174	52Psi UMa	3.0040	4400.0	58	45779	No
44	GOM_TRA_1PNPDE20101202_024754_000000413097_00075_45779_2717.N1	02-DEC-2010 02:47:54	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	45779	No
45	GOM_TRA_1PNPDE20101202_025734_000000503097_00075_45779_2718.N1	02-DEC-2010 02:57:34	Bright	50.000	62	94Bet Leo	2.1360	9700.0	100	45779	No
46	GOM_TRA_1PNPDE20101202_030051_000000463097_00075_45779_2719.N1	02-DEC-2010 03:00:51	Bright	45.500	121	29Gam Vir	2.7400	7200.0	91	45779	No
47	GOM_TRA_1PNPDE20101202_030633_000000483097_00075_45779_2720.N1	02-DEC-2010 03:06:33	Dark	48.000	100	4Gam Crv	2.5800	13100.	96	45779	No
48	GOM_TRA_1PNPDE20101202_030809_000000473097_00075_45779_2721.N1	02-DEC-2010 03:08:09	Dark	46.500	171	2Eps Crv	3.0010	4250.0	93	45779	No
49	GOM_TRA_1PNPDE20101202_031735_000000443097_00076_45780_2722.N1	02-DEC-2010 03:17:35	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	45780	No
50	GOM_TRA_1PNPDE20101202_032611_000000473097_00076_45780_2723.N1	02-DEC-2010 03:26:11	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	45780	No
51	GOM_TRA_1PNPDE20101202_032928_000000493097_00076_45780_2724.N1	02-DEC-2010 03:29:28	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	45780	No
52	GOM_TRA_1PNPDE20101202_033122_000000623097_00076_45780_2725.N1	02-DEC-2010 03:31:22	Dark	61.500	117	Pi Pup	2.7060	3800.0	123	45780	No
53	GOM_TRA_1PNPDE20101202_033550_000000473097_00076_45780_2726.N1	02-DEC-2010 03:35:50	Dark	46.500	108	Alp Col	2.6520	15200.	93	45780	No
54	GOM_TRA_1PNPDE20101202_034127_000000533097_00076_45780_2727.N1	02-DEC-2010 03:41:27	Straylight	53.000	101	11Alp Lep	2.5820	7000.0	106	45780	No
55	GOM_TRA_1PNPDE20101202_034500_000000583097_00076_45780_2728.N1	02-DEC-2010 03:45:00	Straylight	57.500	7	19Bet Ori	0.10000	14000.	115	45780	No
56	GOM_TRA_1PNPDE20101202_034811_000000463097_00076_45780_2729.N1	02-DEC-2010 03:48:11	Twilight	46.000	72	34Del Ori	2.2500	30000.	92	45780	No
57	GOM_TRA_1PNPDE20101202_035035_000000583097_00076_45780_2730.N1	02-DEC-2010 03:50:35	Twilight	58.000	27	24Gam Ori	1.6360	26000.	116	45780	No
58	GOM_TRA_1PNPDE20101202_035254_000000603097_00076_45780_2731.N1	02-DEC-2010 03:52:54	Bright	59.500	13	87Alp Tau	0.86700	3800.0	119	45780	No
59	GOM_TRA_1PNPDE20101202_035434_000000383097_00076_45780_2732.N1	02-DEC-2010 03:54:34	Bright	37.500	146	25Eta Tau	2.8730	15200.	75	45780	No
60	GOM_TRA_1PNPDE20101202_035654_000000393097_00076_45780_2733.N1	02-DEC-2010 03:56:54	Bright	39.000	150	44Zet Per	2.8900	28000.	78	45780	No
61	GOM_TRA_1PNPDE20101202_035919_000000373097_00076_45780_2734.N1	02-DEC-2010 03:59:19	Bright	36.500	149	45Eps Per	2.8880	30000.	73	45780	No
62	GOM_TRA_1PNPDE20101202_040121_000000373097_00076_45780_2735.N1	02-DEC-2010 04:01:21	Bright	36.500	175	39Del Per	3.0100	19400.	73	45780	No
63	GOM_TRA_1PNPDE20101202_040303_000000503097_00076_45780_2736.N1	02-DEC-2010 04:03:03	Bright	49.500	6	13Alp Aur	0.080000	3400.0	99	45780	No
64	GOM_TRA_1PNPDE20101202_040447_000000513097_00076_45780_2737.N1	02-DEC-2010 04:04:47	Bright	51.000	42	34Bet Aur	1.9000	10200.	102	45780	No
65	GOM_TRA_1PNPDE20101202_041917_000000473097_00076_45780_2745.N1	02-DEC-2010 04:19:17	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	45780	No
66	GOM_TRA_1PNPDE20101202_042052_000000473097_00076_45780_2746.N1	02-DEC-2010 04:20:52	Bright	46.500	82	48Bet UMa	2.3650	10600.	93	45780	No
67	GOM_TRA_1PNPDE20101202_042234_000000403097_00076_45780_2747.N1	02-DEC-2010 04:22:34	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	45780	No
68	GOM_TRA_1PNPDE20101202_042808_000000433097_00076_45780_2748.N1	02-DEC-2010 04:28:08	Bright	43.000	152	12Alp2CVn	2.8900	11000.	86	45780	No
69	GOM_TRA_1PNPDE20101202_043749_000000413097_00076_45780_2749.N1	02-DEC-2010 04:37:49	Bright	41.000	62	94Bet Leo	2.1360	9700.0	82	45780	No
70	GOM_TRA_1PNPDE20101202_044106_000000473097_00076_45780_2750.N1	02-DEC-2010 04:41:06	Bright	47.000	121	29Gam Vir	2.7400	7200.0	94	45780	No
71	GOM_TRA_1PNPDE20101202_044648_000000483097_00076_45780_2751.N1	02-DEC-2010 04:46:48	Dark	48.000	100	4Gam Crv	2.5800	13100.	96	45780	No
72	GOM_TRA_1PNPDE20101202_044824_000000443097_00076_45780_2752.N1	02-DEC-2010 04:48:24	Dark	43.500	171	2Eps Crv	3.0010	4250.0	87	45780	No
73	GOM_TRA_1PNPDE20101202_045750_000000443097_00077_45781_2753.N1	02-DEC-2010 04:57:50	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	45781	No
74	GOM_TRA_1PNPDE20101202_050626_000000493097_00077_45781_2754.N1	02-DEC-2010 05:06:26	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	45781	No
75	GOM_TRA_1PNPDE20101202_050942_000000583097_00077_45781_2755.N1	02-DEC-2010 05:09:42	Dark	58.000	2	Alp Car	-0.73600	7000.0	116	45781	No
76	GOM_TRA_1PNPDE20101202_051137_000000633097_00077_45781_2756.N1	02-DEC-2010 05:11:37	Dark	63.000	117	Pi Pup	2.7060	3800.0	126	45781	No
77	GOM_TRA_1PNPDE20101202_051604_000000473097_00077_45781_2757.N1	02-DEC-2010 05:16:04	Dark	46.500	108	Alp Col	2.6520	15200.	93	45781	No
78	GOM_TRA_1PNPDE20101202_052141_000000573097_00077_45781_2758.N1	02-DEC-2010 05:21:41	Straylight	57.000	101	11Alp Lep	2.5820	7000.0	114	45781	No
79	GOM_TRA_1PNPDE20101202_052514_000000613097_00077_45781_2759.N1	02-DEC-2010 05:25:14	Straylight	60.500	7	19Bet Ori	0.10000	14000.	121	45781	No
80	GOM_TRA_1PNPDE20101202_052825_000000463097_00077_45781_2760.N1	02-DEC-2010 05:28:25	Twilight	46.000	72	34Del Ori	2.2500	30000.	92	45781	No
81	GOM_TRA_1PNPDE20101202_053049_000000583097_00077_45781_2761.N1	02-DEC-2010 05:30:49	Twilight	58.000	27	24Gam Ori	1.6360	26000.	116	45781	No
82	GOM_TRA_1PNPDE20101202_053308_000000603097_00077_45781_2762.N1	02-DEC-2010 05:33:08	Bright	59.500	13	87Alp Tau	0.86700	3800.0	119	45781	No
83	GOM_TRA_1PNPDE20101202_053448_000000403097_00077_45781_2763.N1	02-DEC-2010 05:34:48	Bright	39.500	146	25Eta Tau	2.8730	15200.	79	45781	No
84	GOM_TRA_1PNPDE20101202_053708_000000393097_00077_45781_2764.N1	02-DEC-2010 05:37:08	Bright	38.500	150	44Zet Per	2.8900	28000.	77	45781	No
85	GOM_TRA_1PNPDE20101202_053933_000000393097_00077_45781_2765.N1	02-DEC-2010 05:39:33	Bright	38.500	149	45Eps Per	2.8880	30000.	77	45781	No
86	GOM_TRA_1PNPDE20101202_054135_000000373097_00077_45781_2766.N1	02-DEC-2010 05:41:35	Bright	36.500	175	39Del Per	3.0100	19400.	73	45781	No
87	GOM_TRA_1PNPDE20101202_054316_000000503097_00077_45781_2767.N1	02-DEC-2010 05:43:16	Bright	49.500	6	13Alp Aur	0.080000	3400.0	99	45781	No
88	GOM_TRA_1PNPDE20101202_054500_000000503097_00077_45781_2768.N1	02-DEC-2010 05:45:00	Bright	50.000	42	34Bet Aur	1.9000	10200.	100	45781	No
89	GOM_TRA_1PNPDE20101202_201153_000000583097_00086_45790_2905.N1	02-DEC-2010 20:11:53	Dark	58.000	2	Alp Car	-0.73600	7000.0	116	45790	Yes
90	GOM_TRA_1PNPDE20101202_201351_000000603097_00086_45790_2906.N1	02-DEC-2010 20:13:51	Dark	59.500	117	Pi Pup	2.7060	3800.0	119	45790	No
91	GOM_TRA_1PNPDE20101202_201734_000000283097_00086_45790_2907.N1	02-DEC-2010 20:17:34	Dark	28.000	23	21Eps CMa	1.5020	26000.	56	45790	No
92	GOM_TRA_1PNPDE20101202_201828_000000523097_00086_45790_2908.N1	02-DEC-2010 20:18:28	Dark	51.500	177	1Zet CMa	3.0220	26000.	103	45790	No
93	GOM_TRA_1PNPDE20101202_202349_000000513097_00086_45790_2909.N1	02-DEC-2010 20:23:49	Straylight	51.000	101	11Alp Lep	2.5820	7000.0	102	45790	No
94	GOM_TRA_1PNPDE20101202_202719_000000583097_00086_45790_2910.N1	02-DEC-2010 20:27:19	Straylight	57.500	7	19Bet Ori	0.10000	14000.	115	45790	No
95	GOM_TRA_1PNPDE20101202_203012_000000413097_00086_45790_2911.N1	02-DEC-2010 20:30:12	Twilight	41.000	30	46Eps Ori	1.6940	30000.	82	45790	No
96	GOM_TRA_1PNPDE20101202_203251_000000593097_00086_45790_2912.N1	02-DEC-2010 20:32:51	Twilight	59.000	27	24Gam Ori	1.6360	26000.	118	45790	No
97	GOM_TRA_1PNPDE20101202_203511_000000623097_00086_45790_2913.N1	02-DEC-2010 20:35:11	Bright	62.000	13	87Alp Tau	0.86700	3800.0	124	45790	No
98	GOM_TRA_1PNPDE20101202_203653_000000393097_00086_45790_2914.N1	02-DEC-2010 20:36:53	Bright	38.500	146	25Eta Tau	2.8730	15200.	77	45790	No
99	GOM_TRA_1PNPDE20101202_203913_000000383097_00086_45790_2915.N1	02-DEC-2010 20:39:13	Bright	38.000	150	44Zet Per	2.8900	28000.	76	45790	No
100	GOM_TRA_1PNPDE20101202_204137_000000383097_00086_45790_2916.N1	02-DEC-2010 20:41:37	Bright	37.500	149	45Eps Per	2.8880	30000.	75	45790	No
101	GOM_TRA_1PNPDE20101202_204340_000000353097_00086_45790_2917.N1	02-DEC-2010 20:43:40	Bright	35.000	175	39Del Per	3.0100	19400.	70	45790	No

102	GOM_TRA_1PNPDE20101202_204517_000000493097_00086_45790_2918.N1	02-DEC-2010 20:45:17	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	45790	No
103	GOM_TRA_1PNPDE20101202_204658_000000513097_00086_45790_2919.N1	02-DEC-2010 20:46:58	Bright	50.500	42	34Bet Aur	1.9000	10200.	101	45790	No
104	GOM_TRA_1PNPDE20101202_210134_000000463097_00086_45790_2920.N1	02-DEC-2010 21:01:34	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	45790	No
105	GOM_TRA_1PNPDE20101202_210308_000000473097_00086_45790_2921.N1	02-DEC-2010 21:03:08	Bright	46.500	82	48Bet UMa	2.3650	10600.	93	45790	No
106	GOM_TRA_1PNPDE20101202_210453_000000413097_00086_45790_2922.N1	02-DEC-2010 21:04:53	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	45790	No
107	GOM_TRA_1PNPDE20101202_211029_000000413097_00086_45790_2923.N1	02-DEC-2010 21:10:29	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	45790	No
108	GOM_TRA_1PNPDE20101202_211908_000000413097_00086_45790_2924.N1	02-DEC-2010 21:19:08	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	45790	No
109	GOM_TRA_1PNPDE20101202_212333_000000443097_00086_45790_2925.N1	02-DEC-2010 21:23:33	Bright	44.000	121	29Gam Vir	2.7400	7200.0	88	45790	No
110	GOM_TRA_1PNPDE20101202_230932_000000493097_00087_45791_2962.N1	02-DEC-2010 23:09:32	Dark	49.000	100	4Gam Crv	2.5800	13100.	98	45791	No
111	GOM_TRA_1PNPDE20101202_231107_000000483097_00087_45791_2963.N1	02-DEC-2010 23:11:07	Dark	47.500	171	2Eps Crv	3.0010	4250.0	95	45791	No
112	GOM_TRA_1PNPDE20101202_232033_000000453097_00088_45792_2964.N1	02-DEC-2010 23:20:33	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	45792	No
113	GOM_TRA_1PNPDE20101202_232910_000000483097_00088_45792_2965.N1	02-DEC-2010 23:29:10	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	45792	No
114	GOM_TRA_1PNPDE20101202_233222_000000463097_00088_45792_2966.N1	02-DEC-2010 23:32:22	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	45792	No
115	GOM_TRA_1PNPDE20101202_233421_000000633097_00088_45792_2967.N1	02-DEC-2010 23:34:21	Dark	62.500	117	Pi Pup	2.7060	3800.0	125	45792	No
116	GOM_TRA_1PNPDE20101202_233803_000000313097_00088_45792_2968.N1	02-DEC-2010 23:38:03	Dark	31.000	23	21Eps CMa	1.5020	26000.	62	45792	No
117	GOM_TRA_1PNPDE20101202_233857_000000513097_00088_45792_2969.N1	02-DEC-2010 23:38:57	Dark	51.000	177	1Zet CMa	3.0220	26000.	102	45792	No
118	GOM_TRA_1PNPDE20101202_234417_000000533097_00088_45792_2970.N1	02-DEC-2010 23:44:17	Straylight	53.000	101	11Alp Lep	2.5820	7000.0	106	45792	No
119	GOM_TRA_1PNPDE20101202_234747_000000603097_00088_45792_2971.N1	02-DEC-2010 23:47:47	Straylight	60.000	7	19Bet Ori	0.10000	14000.	120	45792	No
120	GOM_TRA_1PNPDE20101202_235039_000000473097_00088_45792_2972.N1	02-DEC-2010 23:50:39	Twilight_stray	47.000	30	46Eps Ori	1.6940	30000.	94	45792	No
121	GOM_TRA_1PNPDE20101202_235318_000000633097_00088_45792_2973.N1	02-DEC-2010 23:53:18	Twilight_stray	62.500	27	24Gam Ori	1.6360	26000.	125	45792	No
122	GOM_TRA_1PNPDE20101202_235539_000000613097_00088_45792_2974.N1	02-DEC-2010 23:55:39	Bright	61.000	13	87Alp Tau	0.86700	3800.0	122	45792	No
123	GOM_TRA_1PNPDE20101202_235721_000000393097_00088_45792_2975.N1	02-DEC-2010 23:57:21	Bright	39.000	146	25Eta Tau	2.8730	15200.	78	45792	No
124	GOM_TRA_1PNPDE20101202_235940_000000393097_00088_45792_2976.N1	02-DEC-2010 23:59:40	Bright	38.500	150	44Zet Per	2.8900	28000.	77	45792	No

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



4. Overview of dark signal processing per product

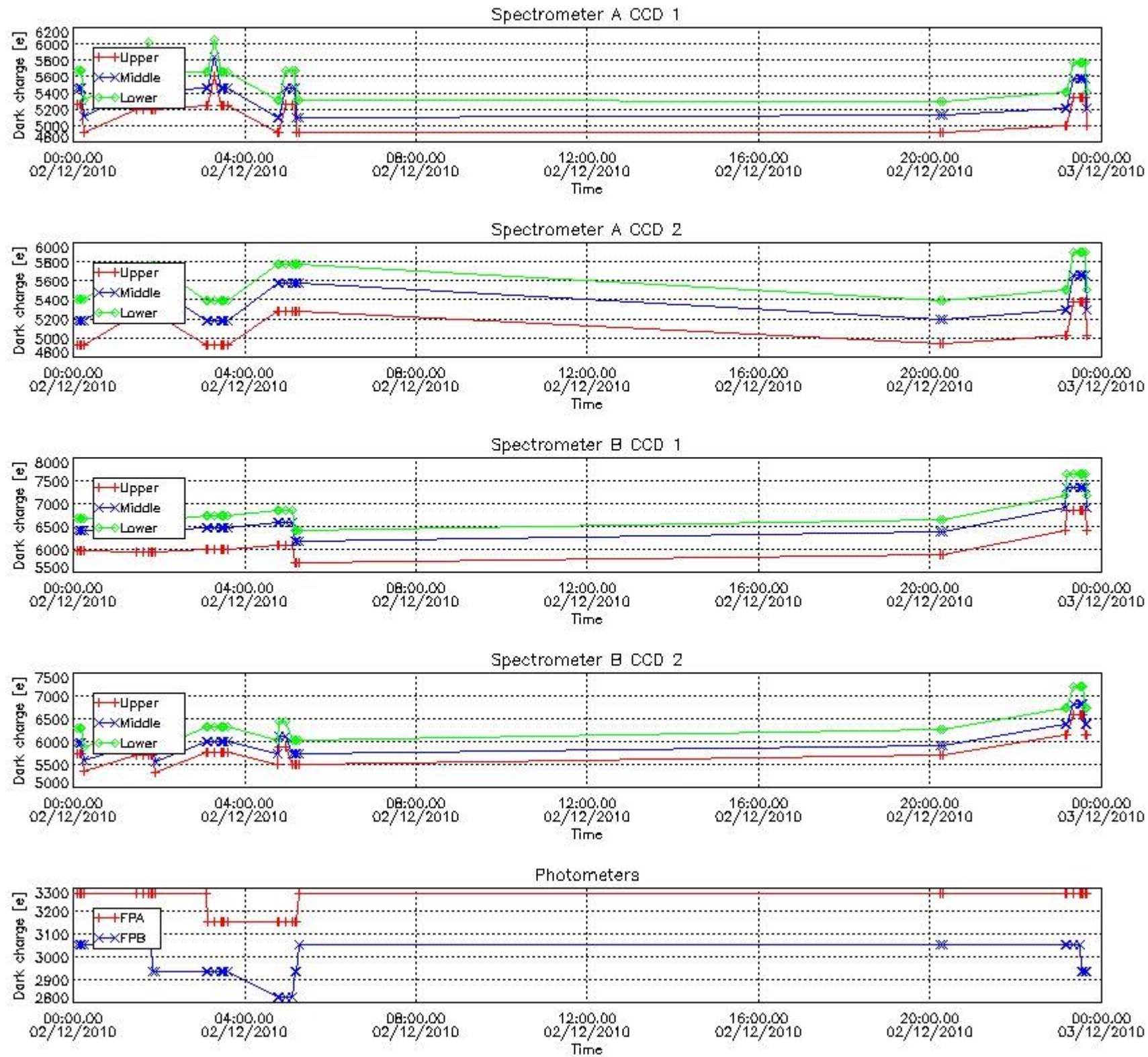
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20101202_201153_000000583097_00086_45790_2905.N1	DC map with no T dep.
GOM_TRA_1PNPDE20101202_201351_000000603097_00086_45790_2906.N1	DC map used
GOM_TRA_1PNPDE20101202_201734_000000283097_00086_45790_2907.N1	DC map used
GOM_TRA_1PNPDE20101202_201828_000000523097_00086_45790_2908.N1	DC map used
GOM_TRA_1PNPDE20101202_202349_000000513097_00086_45790_2909.N1	DC map used
GOM_TRA_1PNPDE20101202_202719_000000583097_00086_45790_2910.N1	DC map used
GOM_TRA_1PNPDE20101202_203012_000000413097_00086_45790_2911.N1	DC map used
GOM_TRA_1PNPDE20101202_203251_000000593097_00086_45790_2912.N1	DC map used
GOM_TRA_1PNPDE20101202_203511_000000623097_00086_45790_2913.N1	DC map used
GOM_TRA_1PNPDE20101202_203653_000000393097_00086_45790_2914.N1	DC map used
GOM_TRA_1PNPDE20101202_203913_000000383097_00086_45790_2915.N1	DC map used
GOM_TRA_1PNPDE20101202_204137_000000383097_00086_45790_2916.N1	DC map used
GOM_TRA_1PNPDE20101202_204340_000000353097_00086_45790_2917.N1	DC map used
GOM_TRA_1PNPDE20101202_204517_000000493097_00086_45790_2918.N1	DC map used
GOM_TRA_1PNPDE20101202_204658_000000513097_00086_45790_2919.N1	DC map used
GOM_TRA_1PNPDE20101202_210134_000000463097_00086_45790_2920.N1	DC map used
GOM_TRA_1PNPDE20101202_210308_000000473097_00086_45790_2921.N1	DC map used
GOM_TRA_1PNPDE20101202_210453_000000413097_00086_45790_2922.N1	DC map used
GOM_TRA_1PNPDE20101202_211029_000000413097_00086_45790_2923.N1	DC map used
GOM_TRA_1PNPDE20101202_211908_000000413097_00086_45790_2924.N1	DC map used
GOM_TRA_1PNPDE20101202_212333_000000443097_00086_45790_2925.N1	DC map used

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



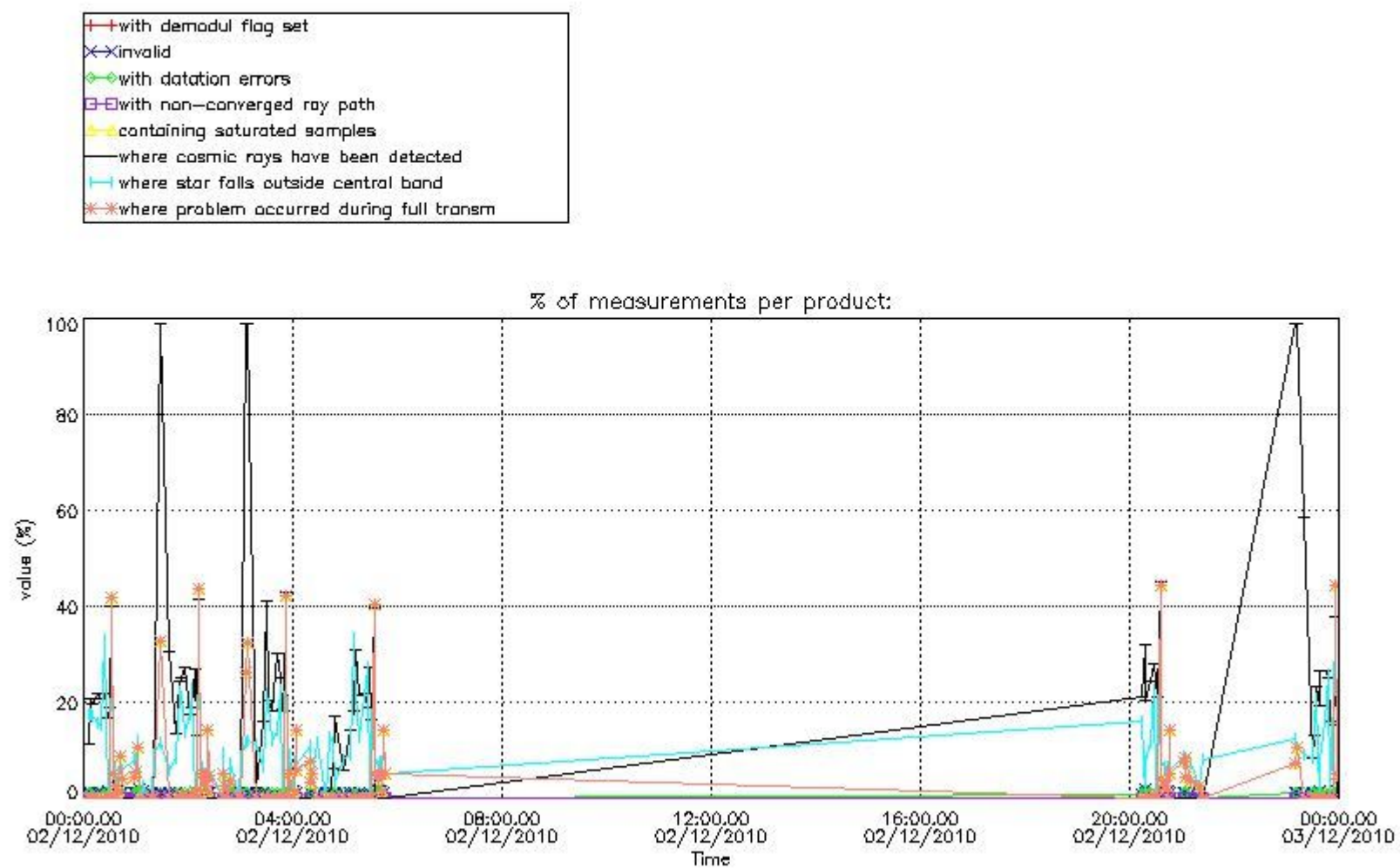
5. Demodulation flag and quality information monitoring

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.

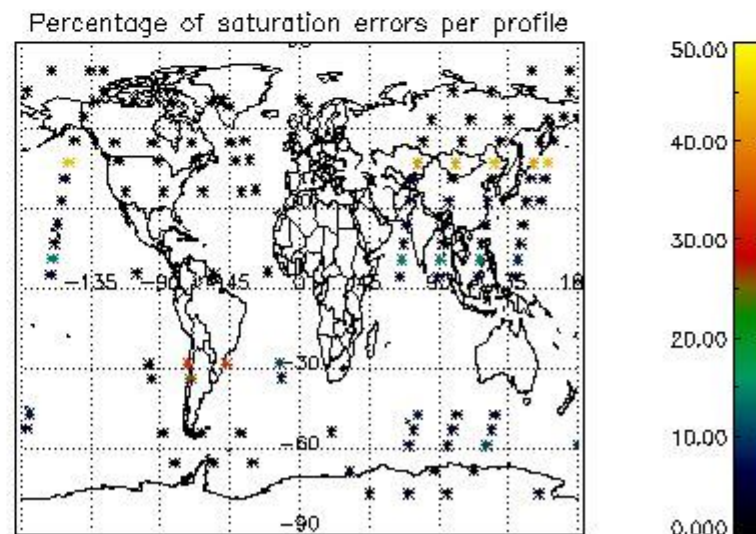
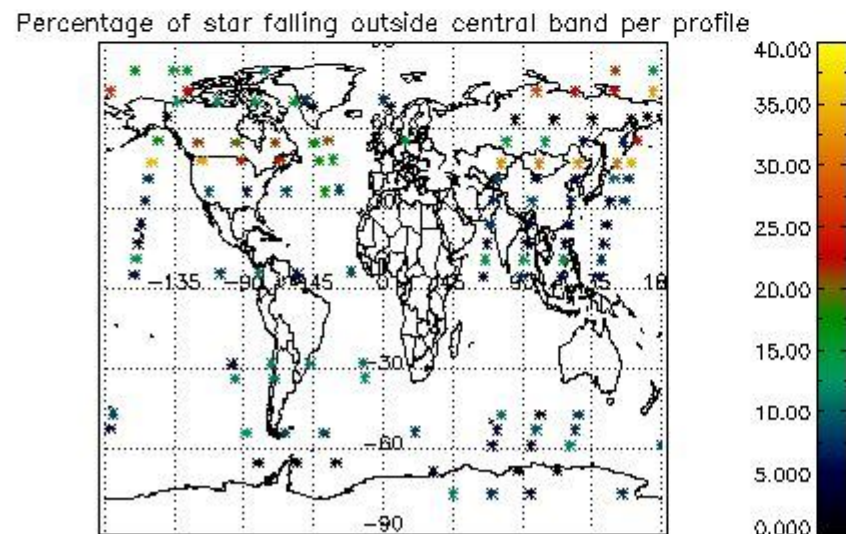
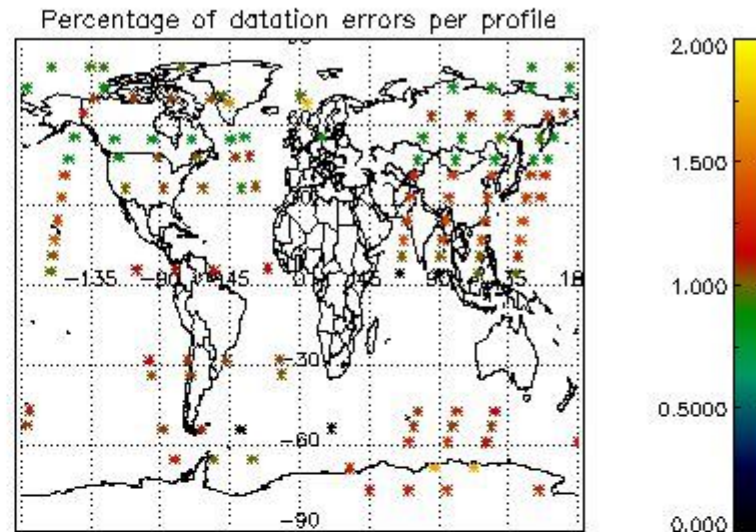
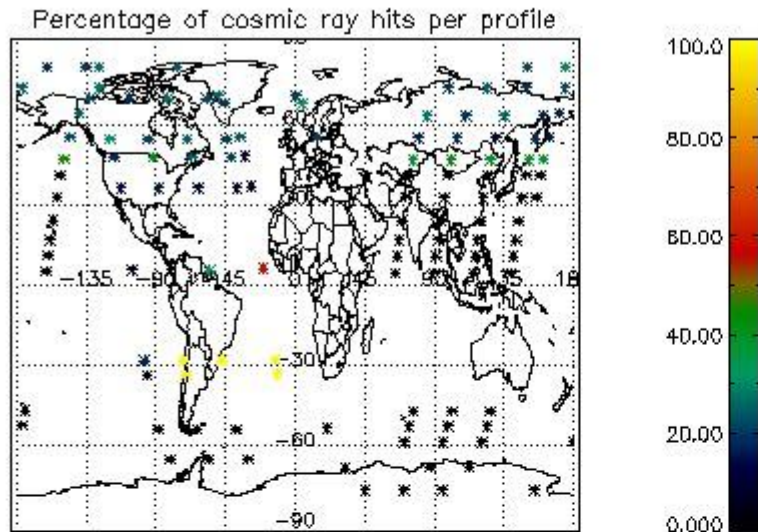
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	47.1545 %
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)



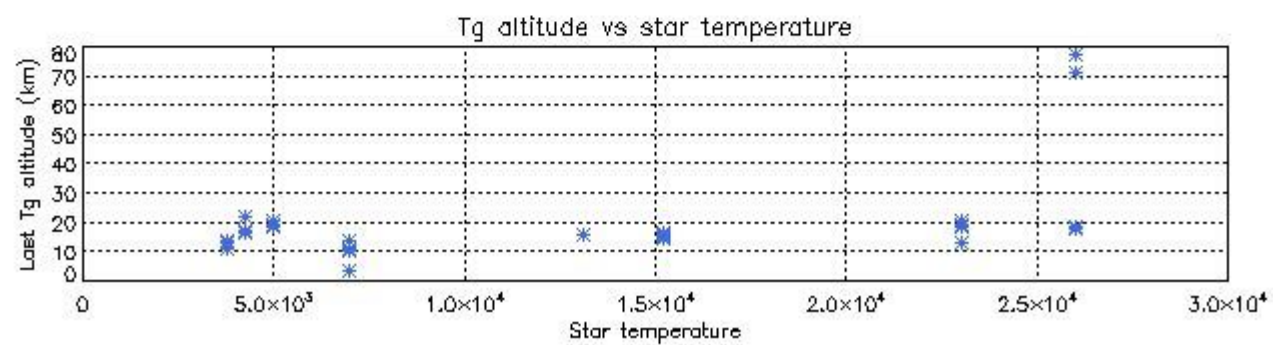
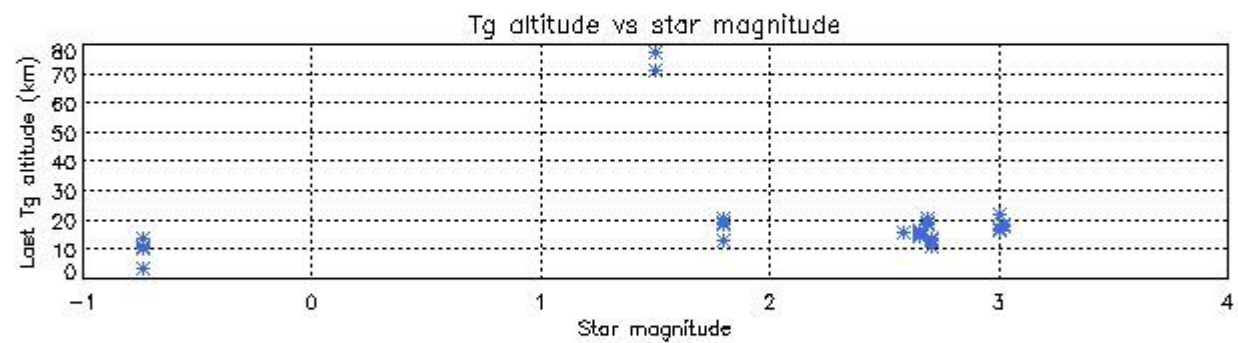
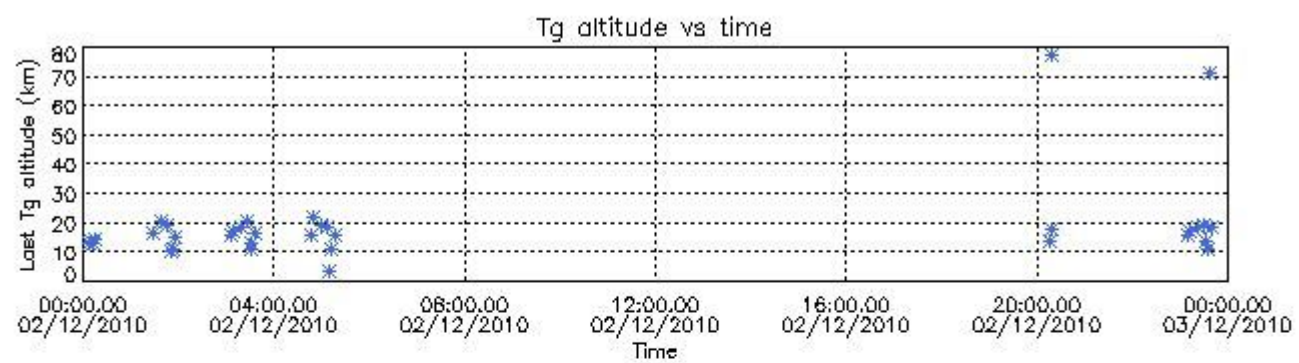
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	18.755	19.794	NaN
St. deviation:	14.335	6.7549	NaN
Maximum:	77.230	49.430	NaN
Minimum:	3.3485	4.1150	NaN
Number of data:	35.000	62.000	NaN

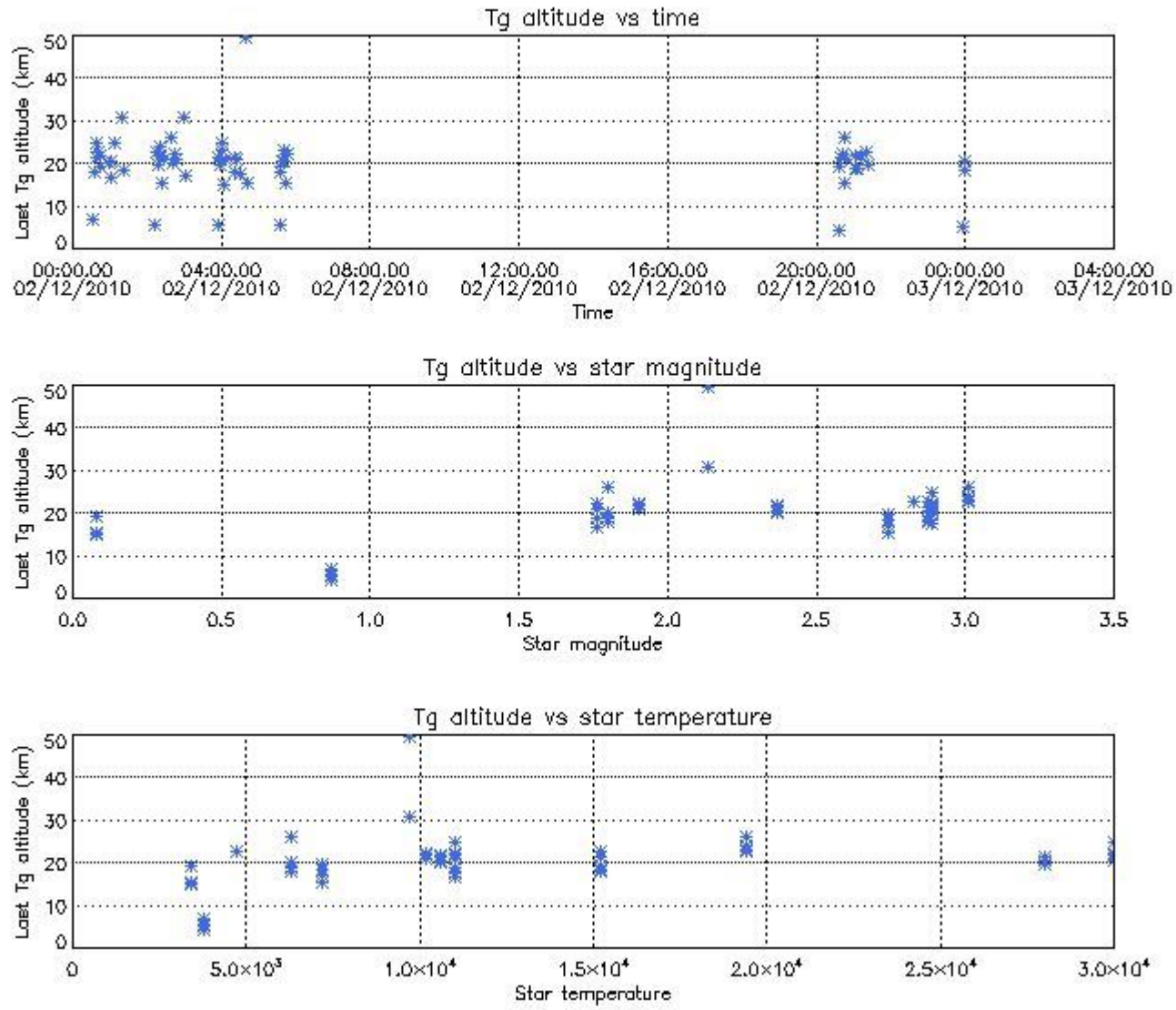
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

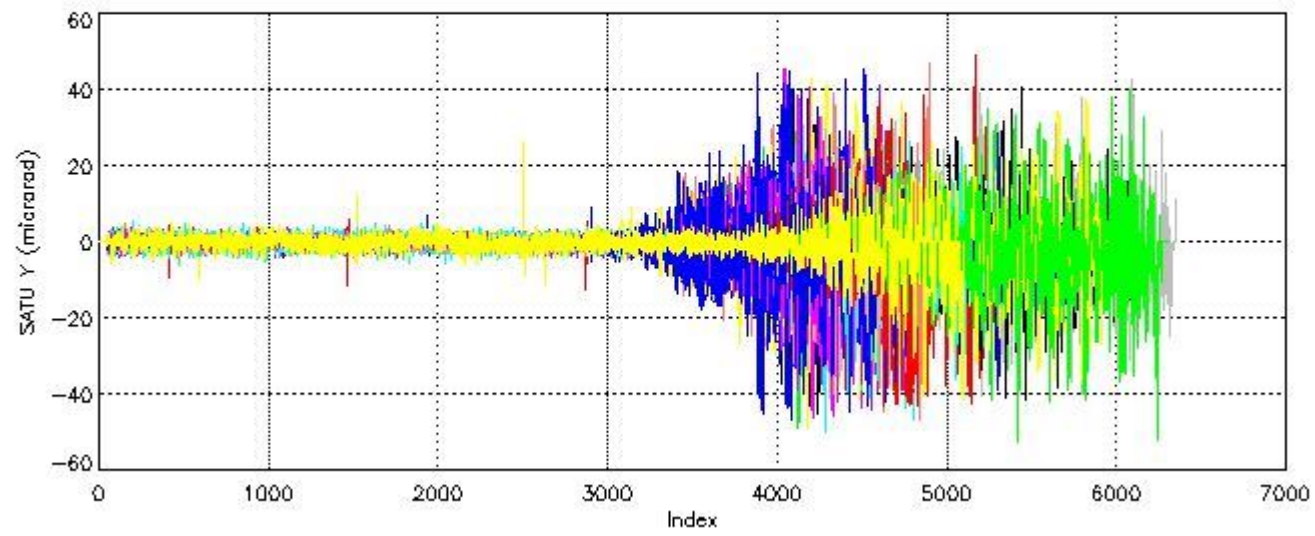
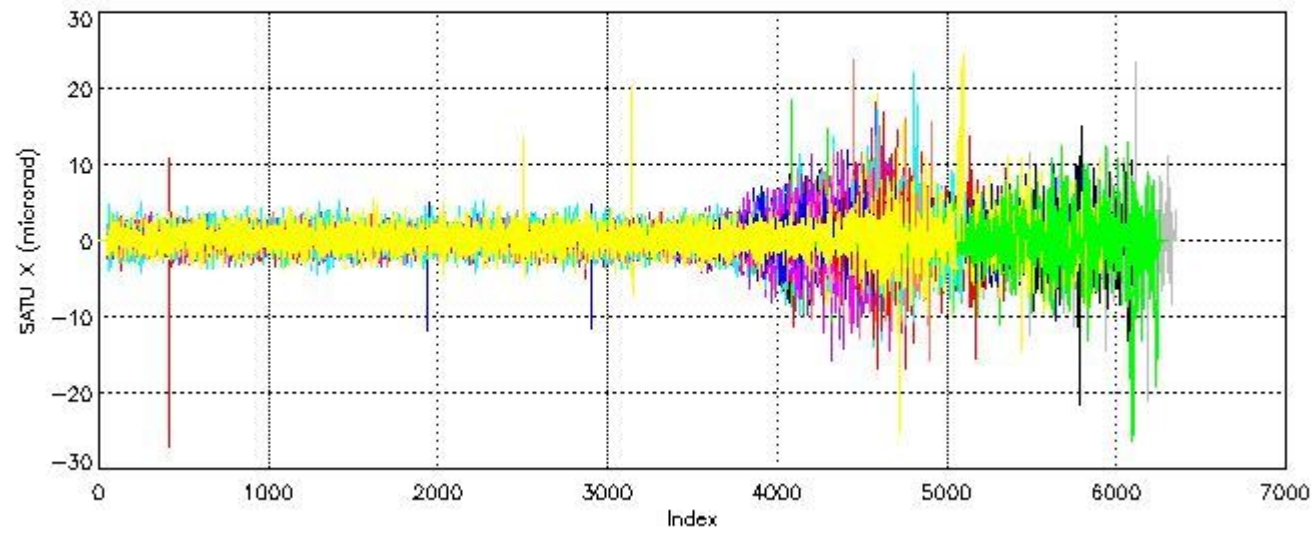


7. Star Acquisition and Tracking Unit (SATU)

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:	0.23130	-0.31090	0.18394	-0.29753
St. deviation:	0.59389	0.90072	0.95327	1.2090
Maximum:	10.700	5.2000	7.9000	7.7000
Minimum:	-27.000	-9.7000	-7.2000	-7.8000

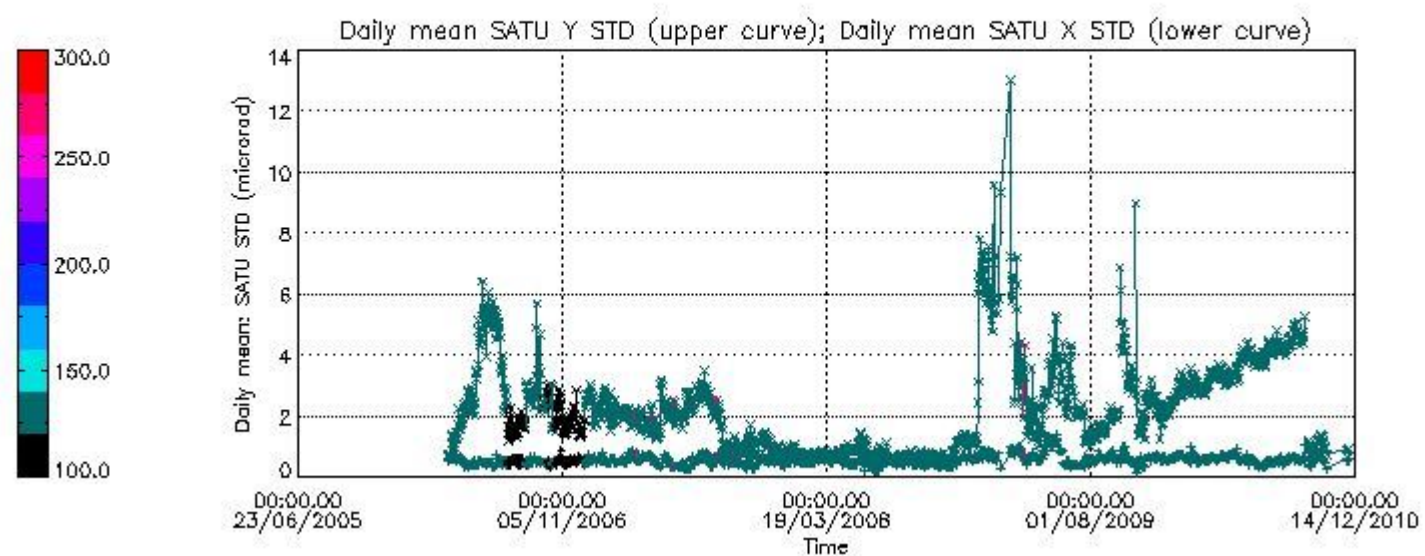
Number of data:	40000.	40000.	62250.	62250.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

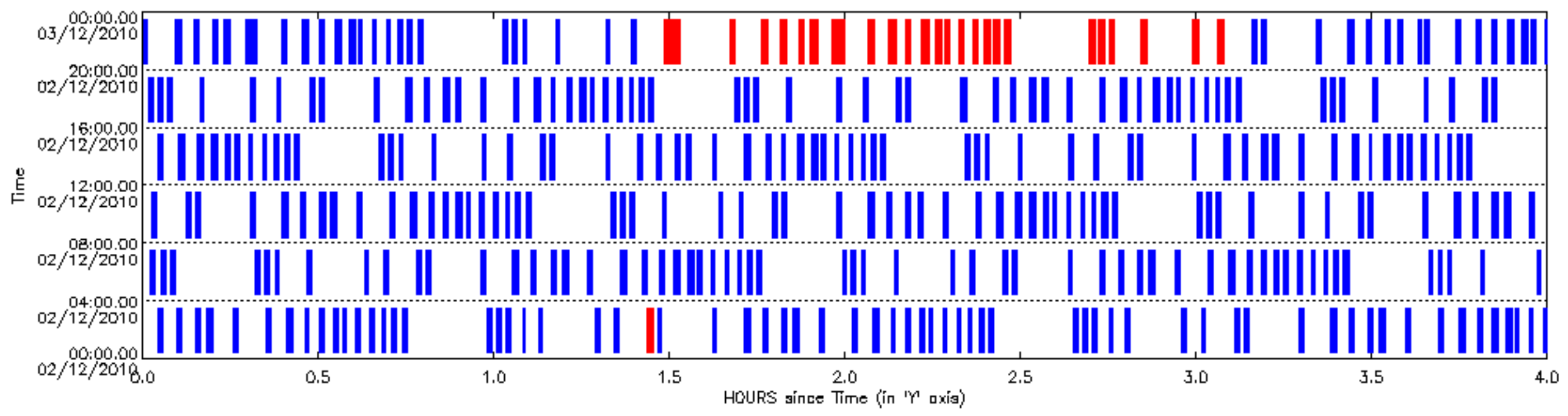
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

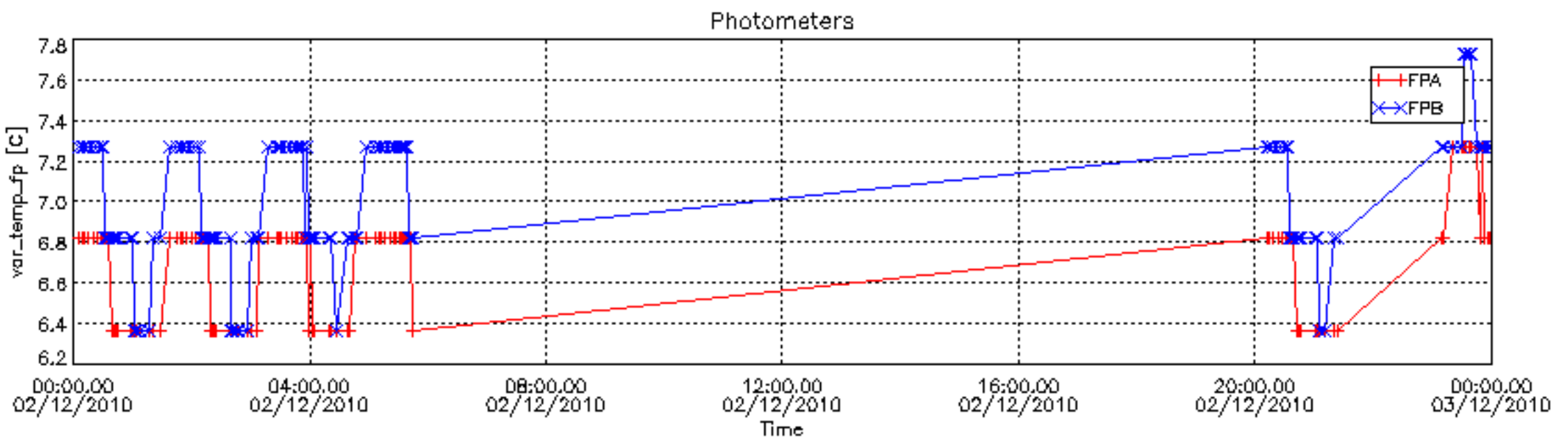
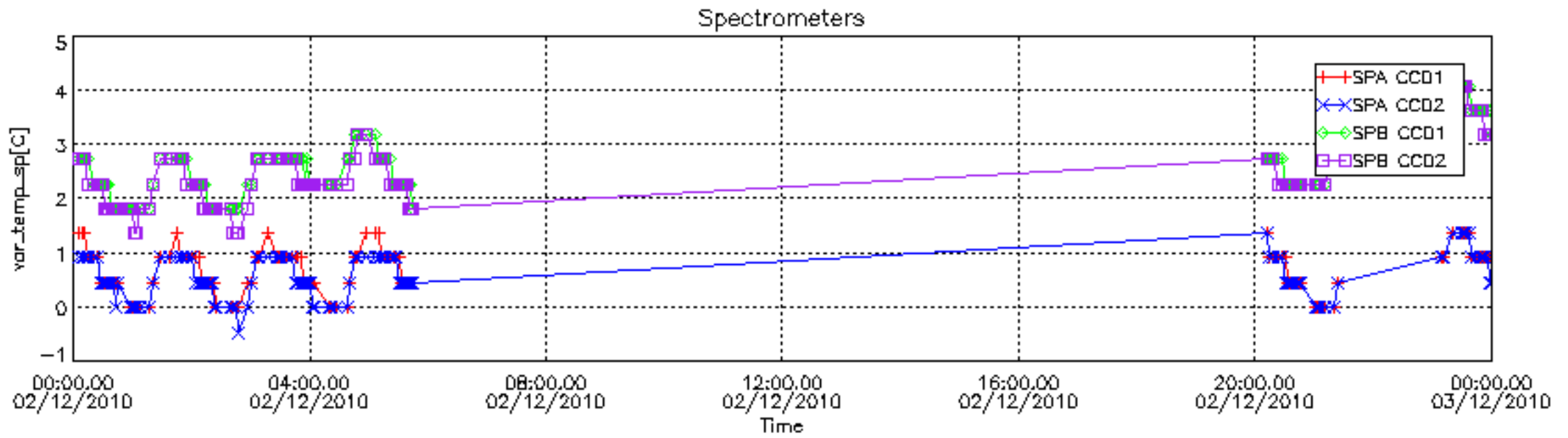


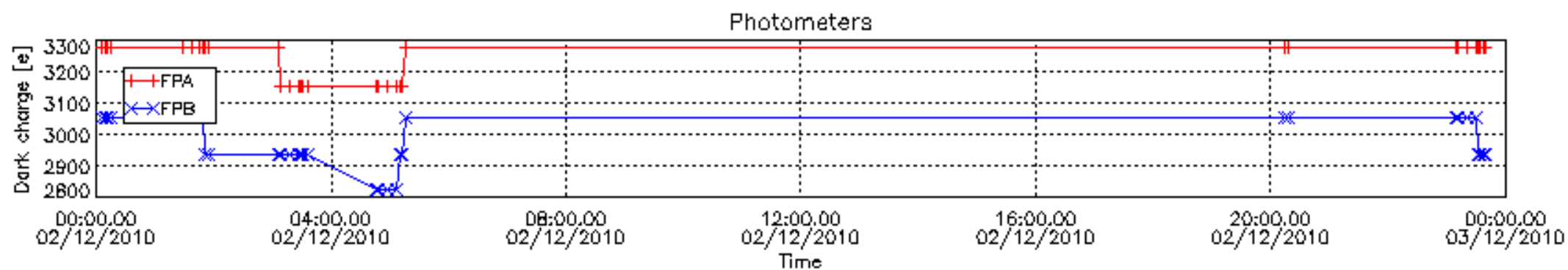
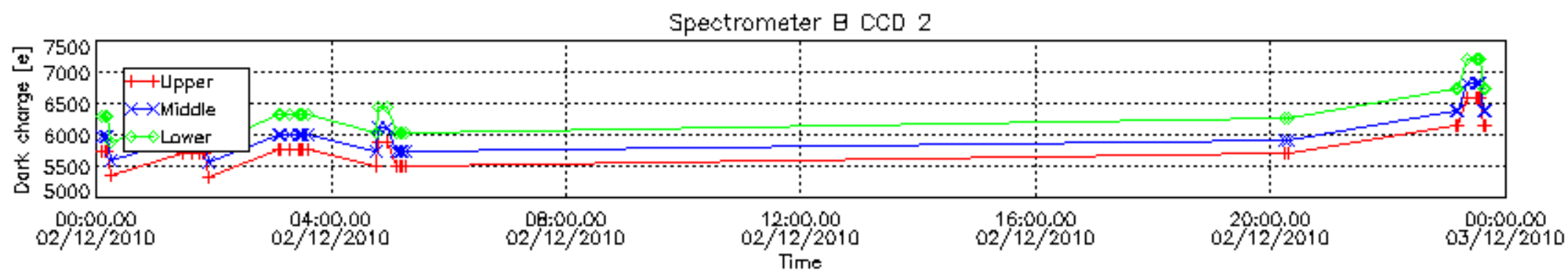
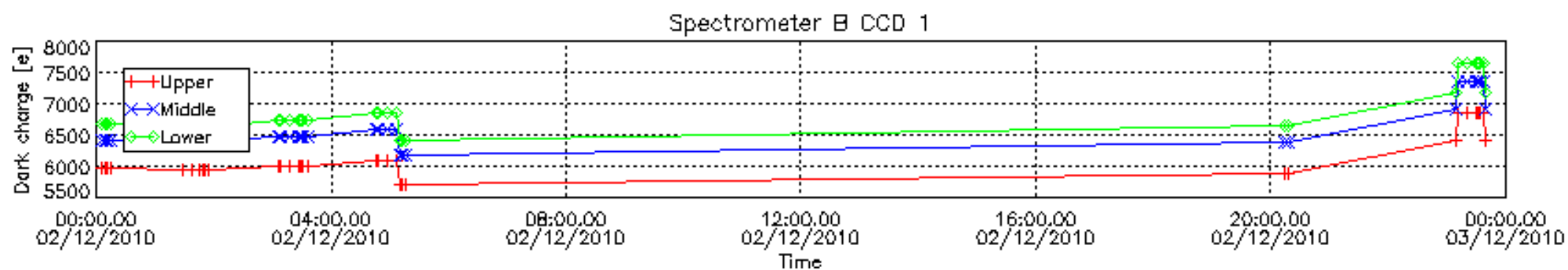
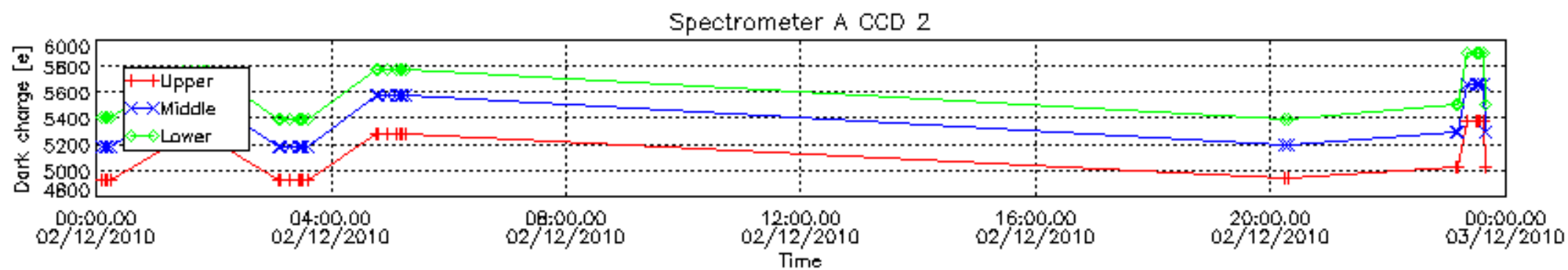
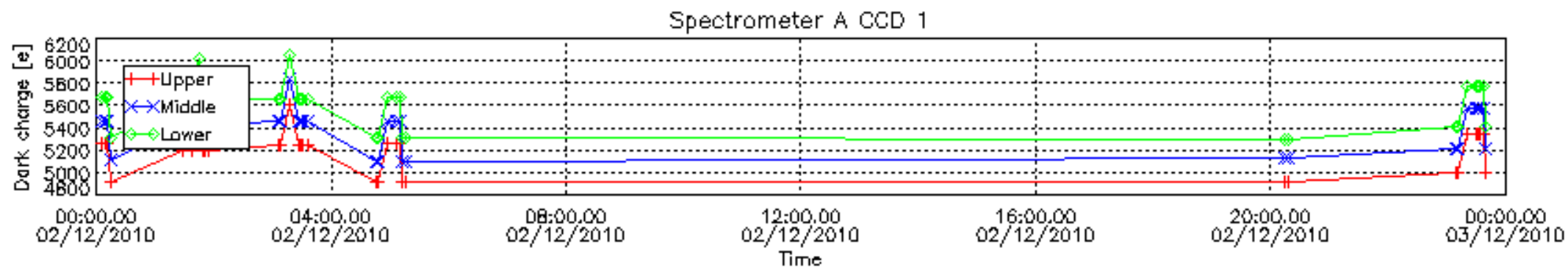
8. Auxiliary Data Files used for the production reported in section 2.4

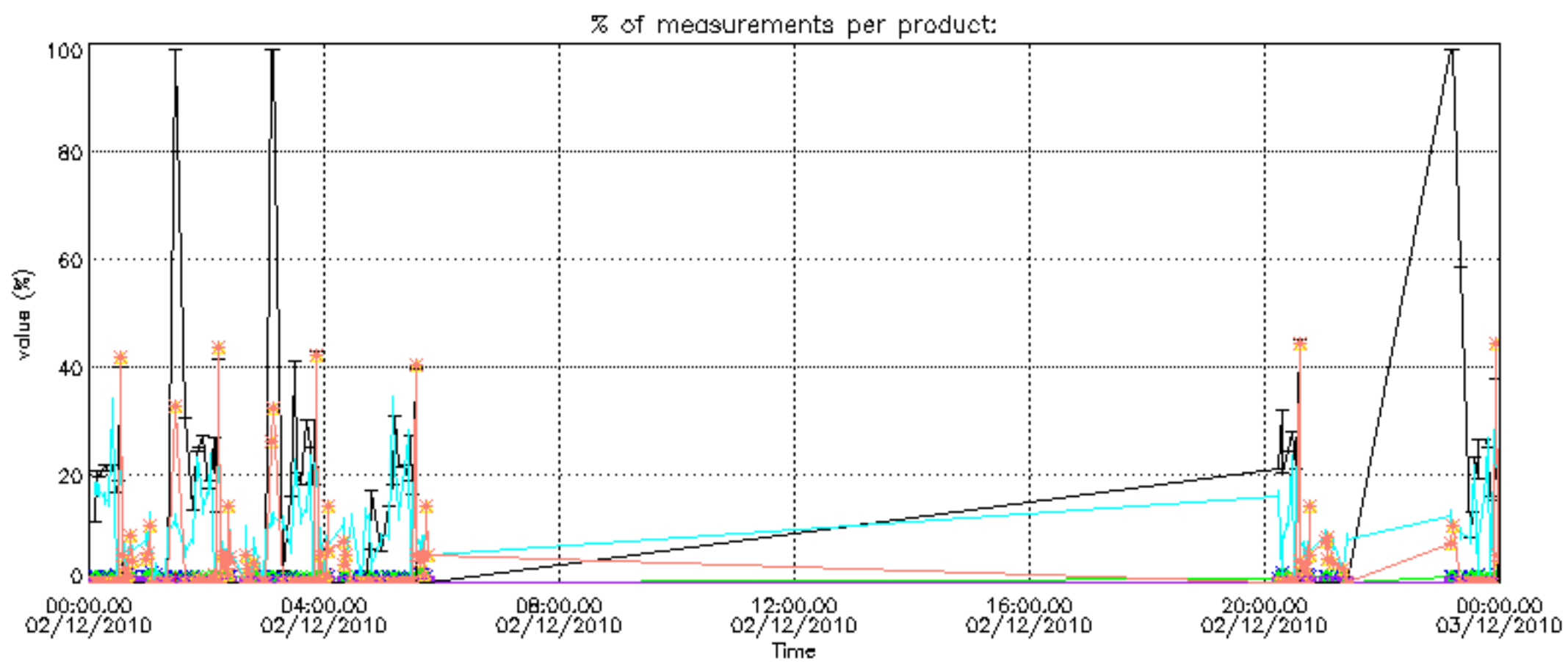
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-DEC-2010 00:05:41
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101201_093519_20101129_000000_20500101_000000	1	02-DEC-2010 00:05:41
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	02-DEC-2010 00:05:41
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-DEC-2010 00:05:41
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	02-DEC-2010 00:05:41
ECMWF_FILE	AUX_ECF_AXNECM20101201_054116_20101201_210000_20101202_090000	1	02-DEC-2010 00:05:41
ECMWF_FILE	AUX_ECF_AXNECM20101201_171515_20101202_030000_20101202_150000	65	02-DEC-2010 04:19:17
ECMWF_FILE	AUX_ECF_AXNECM20101202_054115_20101202_150000_20101203_030000	89	02-DEC-2010 20:11:53
ECMWF_FILE	AUX_ECF_AXNECM20101202_054115_20101202_210000_20101203_090000	110	02-DEC-2010 23:09:32
OPTIONAL_ECMWF_FILE	MISSING	1	02-DEC-2010 00:05:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101201_234317_000054193097_00073_45777_2039.N1	1	02-DEC-2010 00:05:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101202_011855_000102013097_00074_45778_2040.N1	23	02-DEC-2010 01:27:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101202_041415_000057383097_00076_45780_2042.N1	65	02-DEC-2010 04:19:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101202_201038_000041443097_00086_45790_2043.N1	89	02-DEC-2010 20:11:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101202_230558_000057383097_00087_45791_2044.N1	110	02-DEC-2010 23:09:32

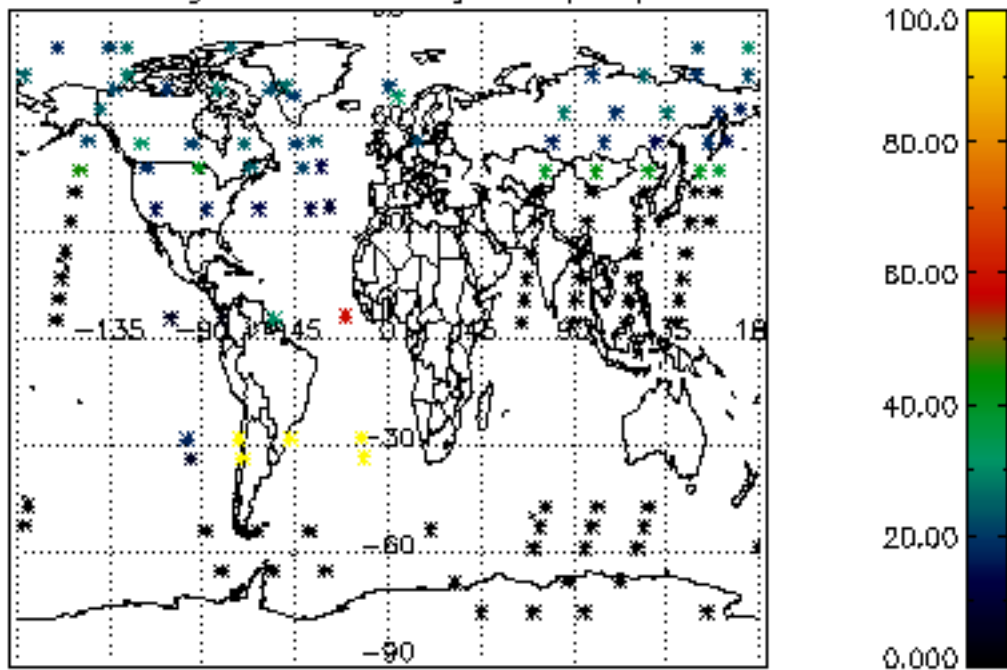




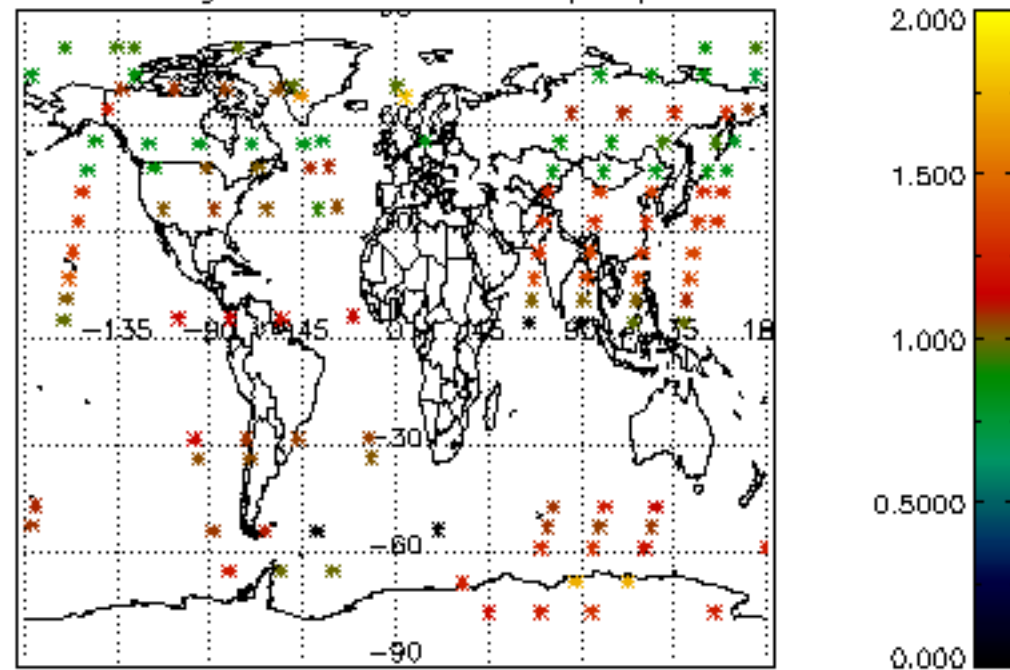




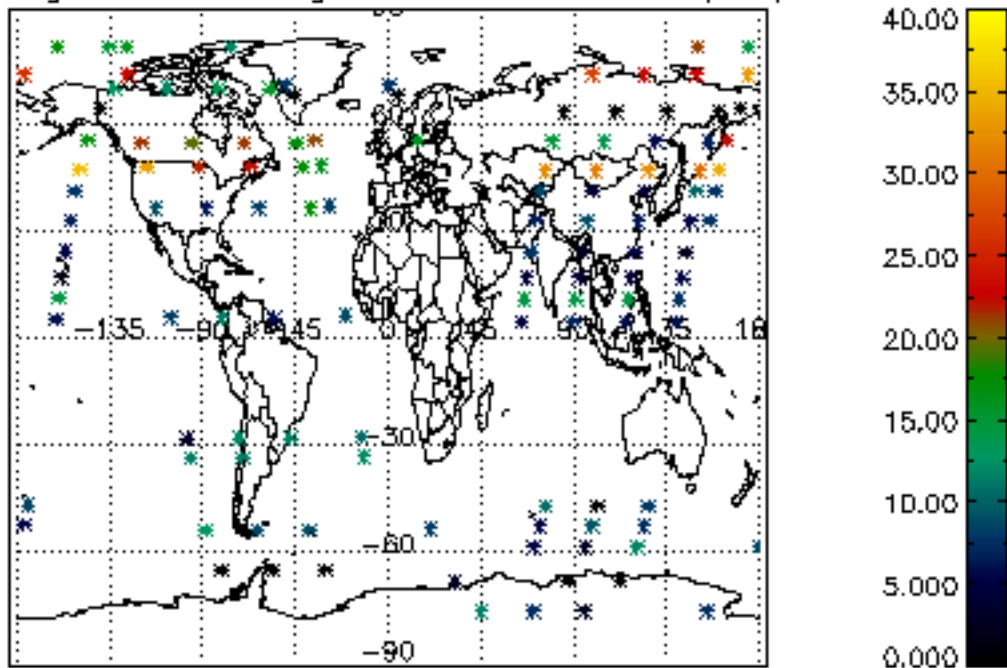
Percentage of cosmic ray hits per profile



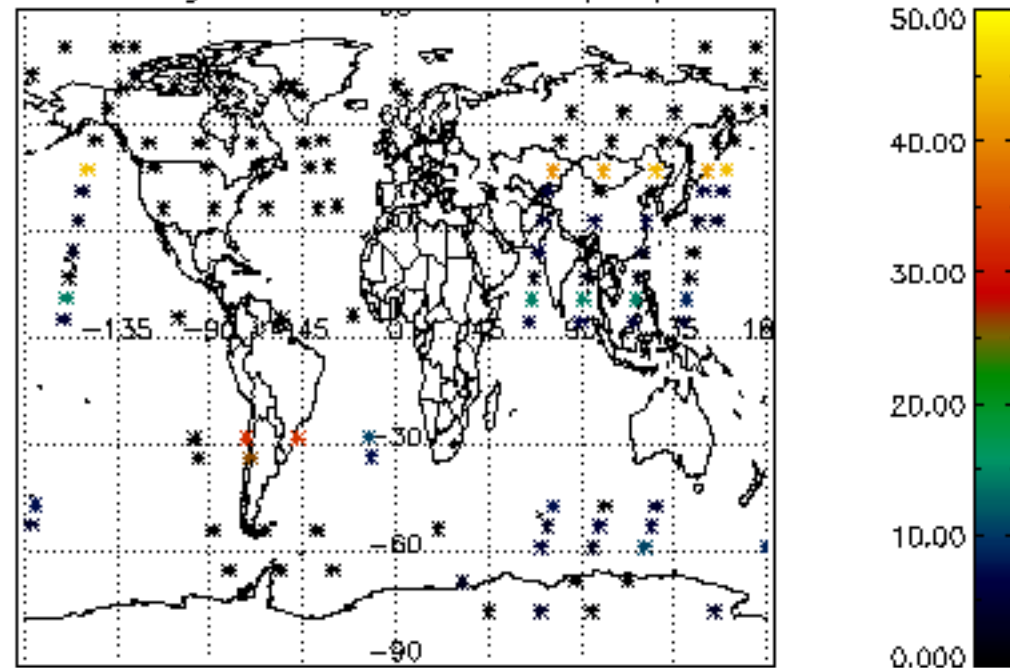
Percentage of datation errors per profile



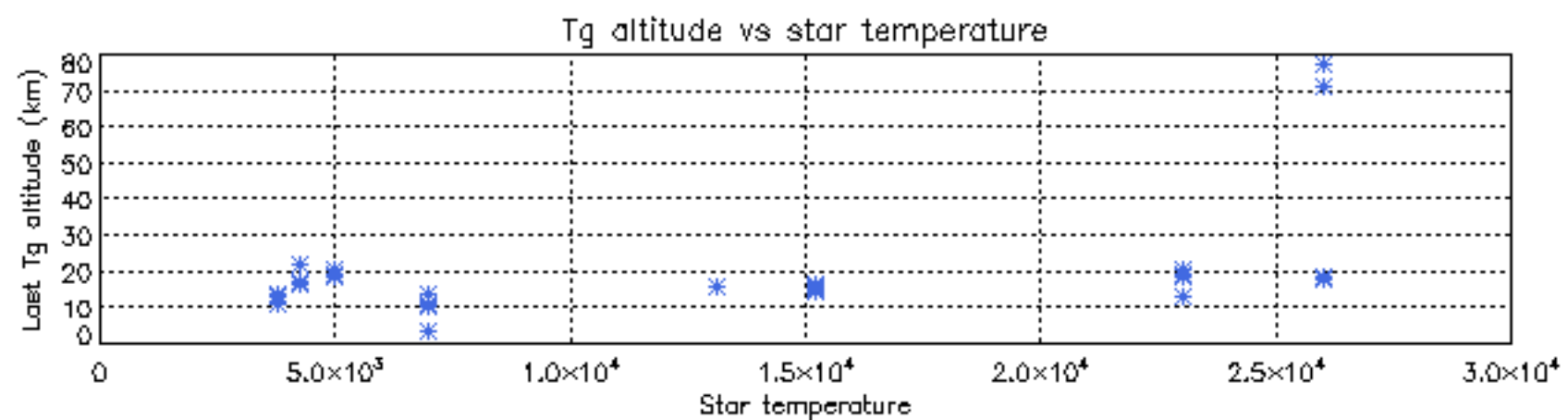
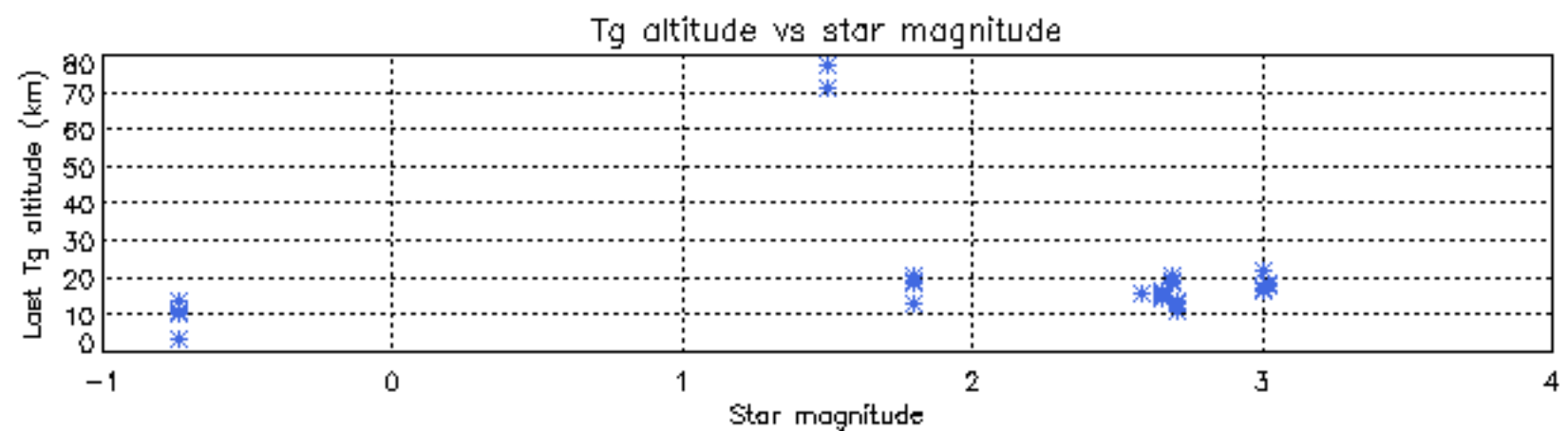
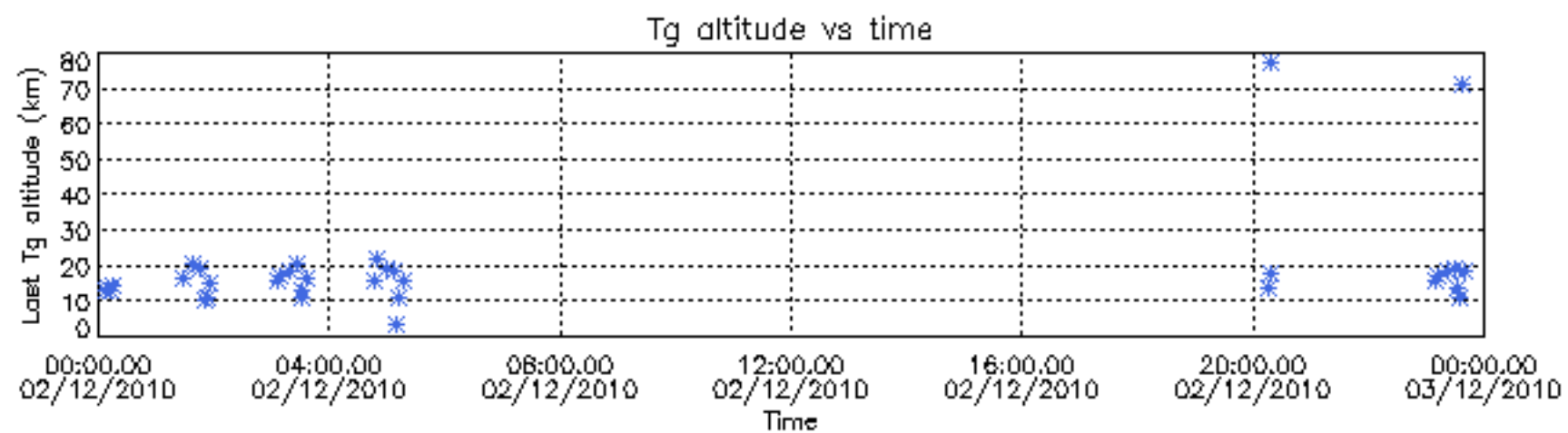
Percentage of star falling outside central band per profile



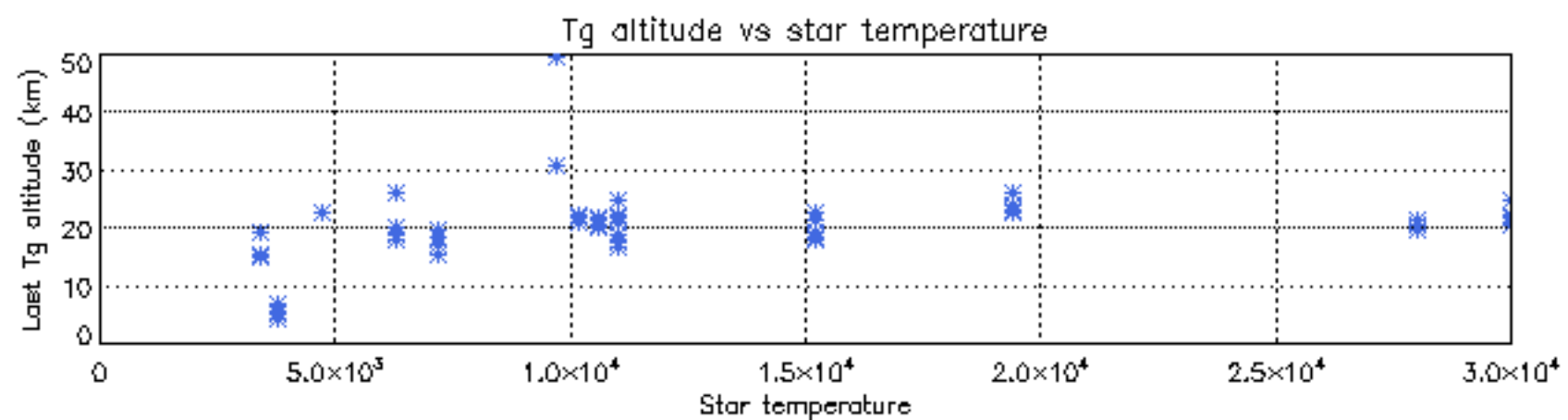
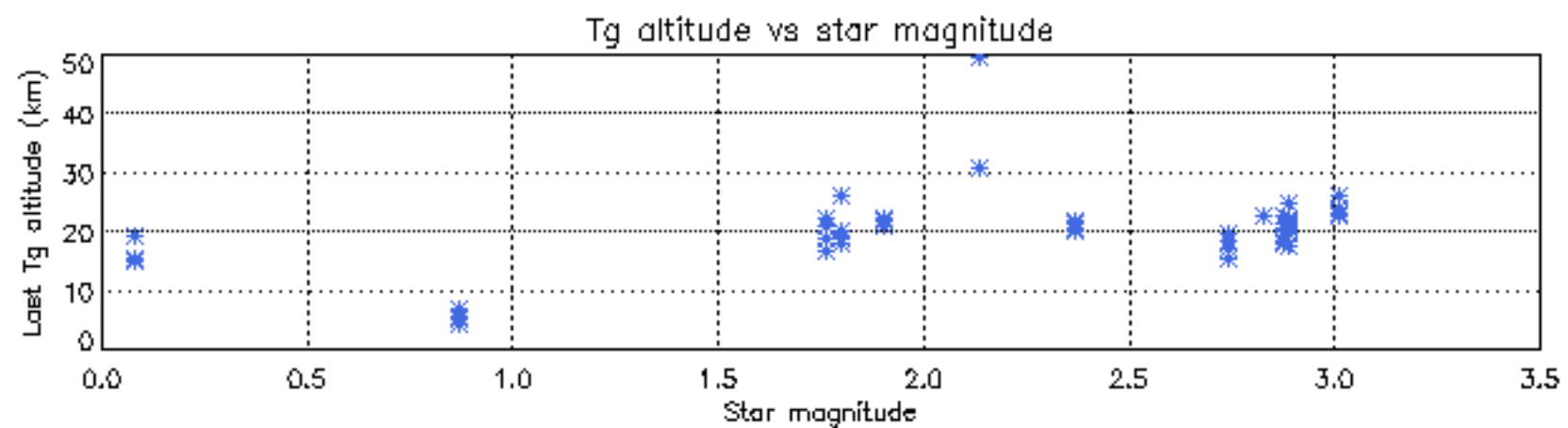
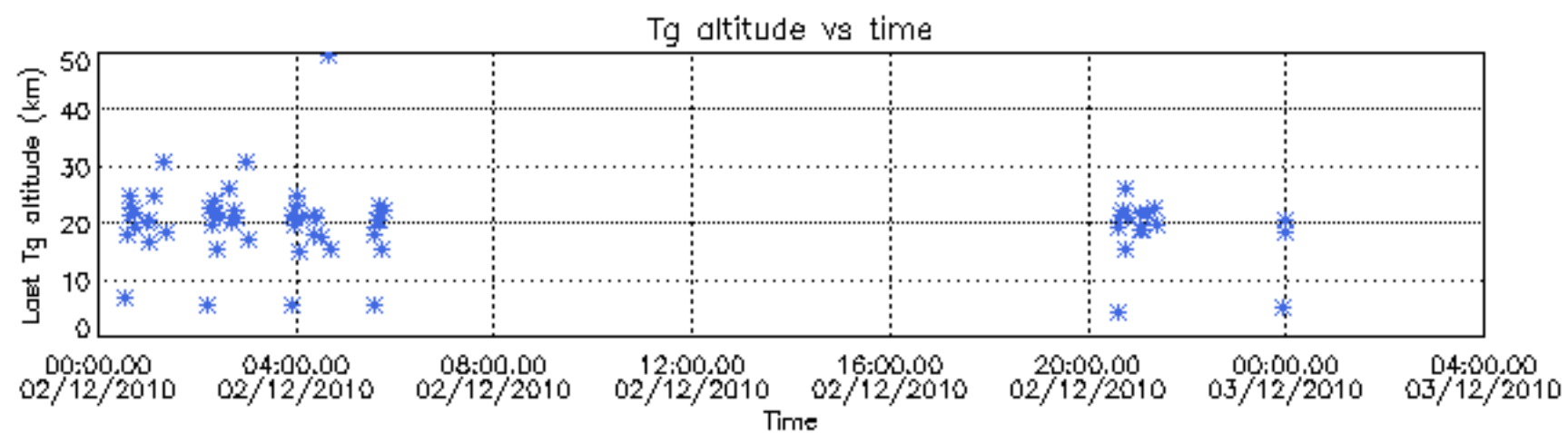
Percentage of saturation errors per profile

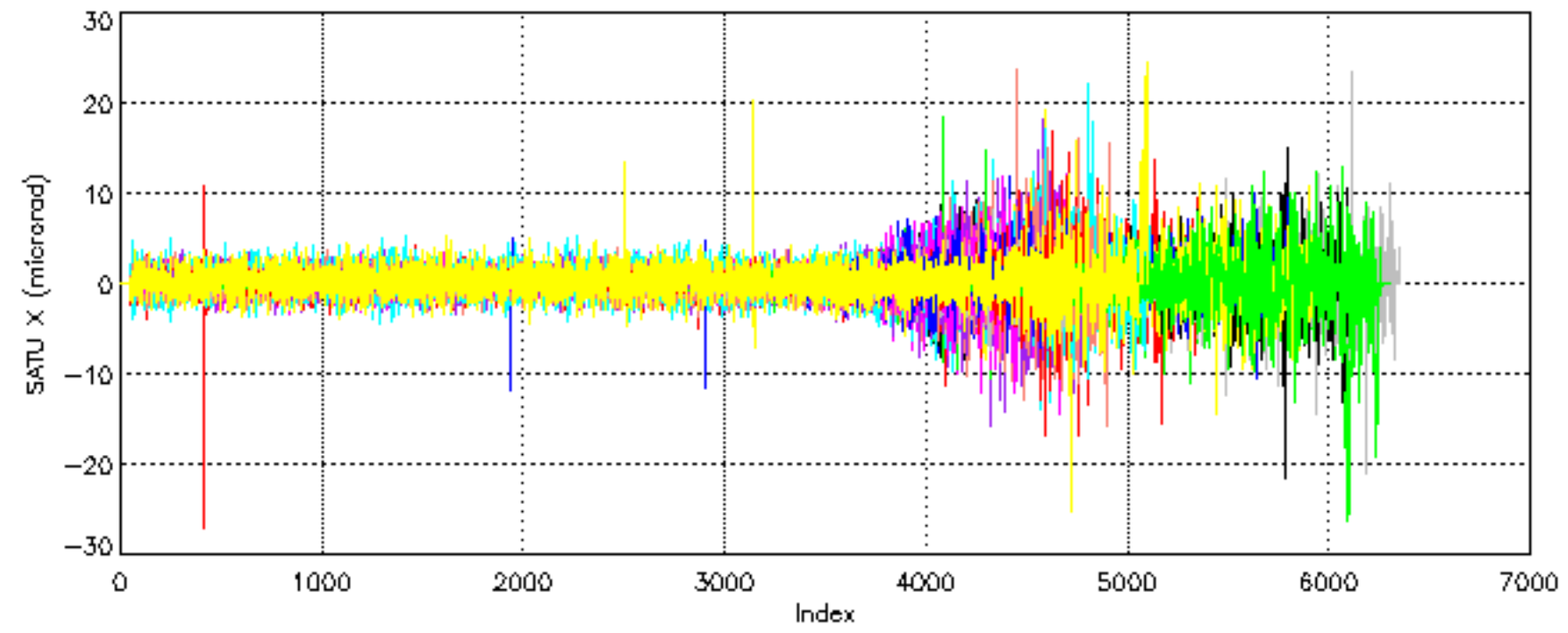


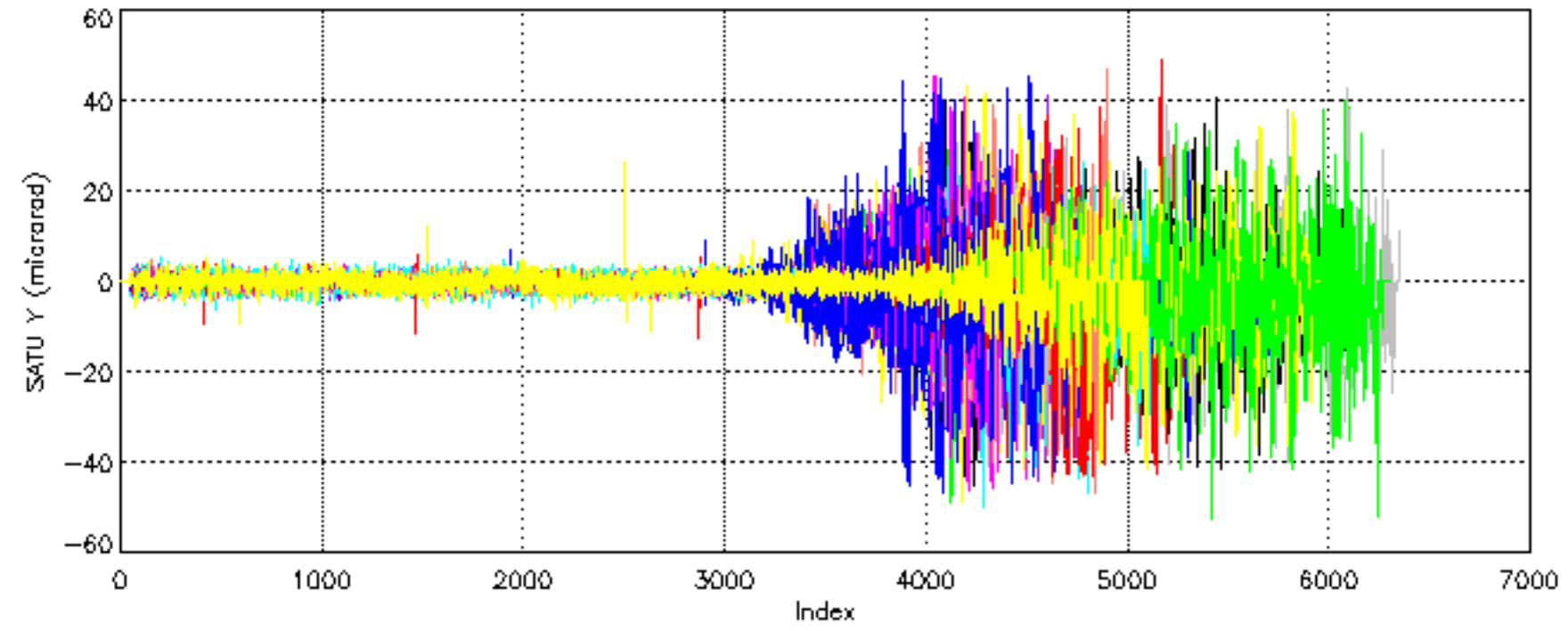
Tangent altitude at which the star is lost

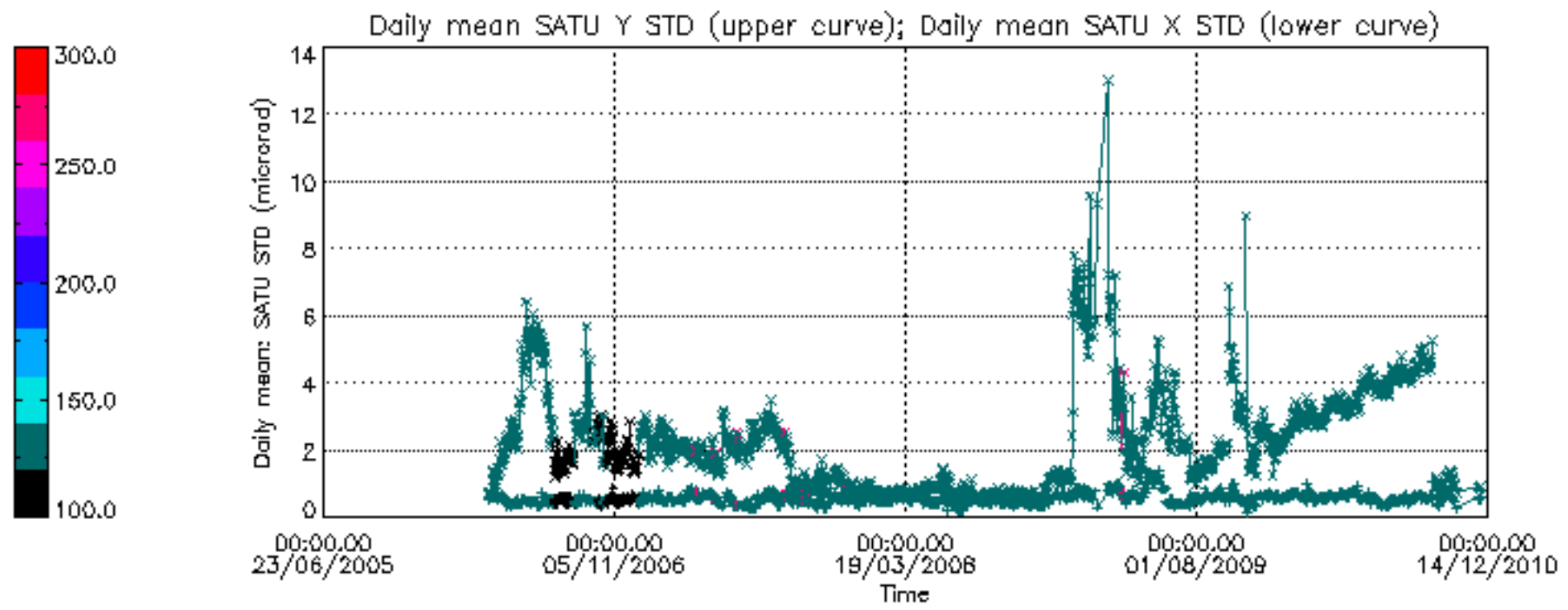


Tangent altitude at which the star is lost









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 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
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 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
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 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

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 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
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 4; -1849.2; 01-DEC-2010 03:21:55; Bright; 67.0; 174; 52Psi UMa ; 3.00; 4400;occ; 134; 0;45765
 5; -1687.8; 01-DEC-2010 03:24:37; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;45765
 6; -1116.8; 01-DEC-2010 03:34:08; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;45765
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 10; 82.7; 01-DEC-2010 03:54:07; Dark ; 42.5; 113; Mu Vel ; 2.69; 5000;occ; 85; 0;45766
 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
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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
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 19; 2314.5; 01-DEC-2010 04:31:19; Bright; 39.5; 146; 25Eta Tau ; 2.87; 15200;occ; 79; 0;45766
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 21; 2601.3; 01-DEC-2010 04:36:06; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;45766
 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
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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
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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
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11; 407.3; 01-DEC-2010 05:39:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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
23; 2830.0; 01-DEC-2010 06:20:09; Bright; 51.5; 6; 13Alp Aur ; 0.08; 3400;occ; 103; 0;45767
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3; 1186.9; 01-DEC-2010 20:54:52; Dark ; 46.5; 108; Alp Col ; 2.65; 15200;occ; 93; 0;45776
4; 1525.1; 01-DEC-2010 21:00:30; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;45776
5; 1738.8; 01-DEC-2010 21:04:04; Dark ; 58.0; 7; 19Bet Ori ; 0.10; 14000;occ; 116; 0;45776
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8; 2214.4; 01-DEC-2010 21:12:00; Dark ; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;45776
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26; 5102.9; 01-DEC-2010 23:40:22; Bright; 56.5; 121; 29Gam Vir ; 2.74; 7200;occ; 113; 0;45777
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 5; 608.0; 02-DEC-2010 00:05:41; Dark ; 54.0; 34; Gam2Vel ; 1.79; 23000;occ; 108; 0;45778
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 3; 2203.4; 04-DEC-2010 12:40:42; Dark ; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;45814
 4; 2308.8; 04-DEC-2010 12:42:27; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 0;45814
 5; 2447.0; 04-DEC-2010 12:44:45; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45814
 6; 2590.2; 04-DEC-2010 12:47:08; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;45814
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 9; 3783.1; 04-DEC-2010 13:07:01; Bright; 45.5; 36; 50Alp UMa ; 1.80; 6300;occ; 91; 0;45814
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12; 4120.0; 04-DEC-2010 13:12:38; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;45814
13; 4329.1; 04-DEC-2010 13:16:07; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;45814
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16; 5126.1; 04-DEC-2010 13:29:24; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;45814
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19; 6135.7; 04-DEC-2010 13:46:14; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;45815
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22; 6837.9; 04-DEC-2010 13:57:56; Dark ; 58.0; 2; Alp Car ;-0.74; 7000;occ; 116; 0;45815
23; 6963.1; 04-DEC-2010 14:00:01; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45815
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 12; 4120.0; 04-DEC-2010 14:52:52; Bright; 55.0; 39; 85Eta UMA ; 1.85; 24000;occ; 110; 0;45815
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 18; 5573.2; 04-DEC-2010 15:17:05; Dark ; 53.5; 171; 2Eps Crv ; 3.00; 4250;occ; 107; 0;45815
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 18; 5574.1; 04-DEC-2010 16:57:20; Dark ; 51.0; 171; 2Eps Crv ; 3.00; 4250;occ; 102; 0;45816
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 7; 2446.4; 04-DEC-2010 17:45:27; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;45817
 8; 2589.6; 04-DEC-2010 17:47:50; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;45817
 9; 2714.1; 04-DEC-2010 17:49:54; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;45817
 10; 2799.6; 04-DEC-2010 17:51:20; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;45817
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 17; 4857.6; 04-DEC-2010 18:25:38; Bright; 42.5; 138; 47Eps Vir ; 2.83; 4700;occ; 85; 0;45817
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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
 22; 6463.9; 04-DEC-2010 18:52:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45818
 23; 6656.6; 04-DEC-2010 18:55:37; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;45818
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Problem occurred when reading packet number 880!
Invalid integration number = 32!
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26; 8214.9; 05-DEC-2010 03:42:45; Dark ; 59.5; 13; 87Alp Tau ; 0.87; 3800;occ; 119; 39;45823
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5; 2199.2; 05-DEC-2010 15:24:22; Dark ; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 0;45830
6; 2307.4; 05-DEC-2010 15:26:10; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 0;45830
7; 2444.7; 05-DEC-2010 15:28:27; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;45830
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13; 4329.6; 05-DEC-2010 15:59:52; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;45830
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13; 4120.4; 07-DEC-2010 09:42:14; Bright; 39.0; 39; 85Eta UMA ; 1.85; 24000;occ; 78; 0;45855
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23; 6494.8; 07-DEC-2010 10:21:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45856
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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
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 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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 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
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 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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 22; 5970.1; 07-DEC-2010 16:54:00; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;45859
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 15; 4700.4; 14-DEC-2010 10:35:31; Bright; 41.5; 111; 8Eta Boo ; 2.68; 6000;occ; 83; 0;45956
 16; 4928.9; 14-DEC-2010 10:39:19; Bright; 72.0; 138; 47Eps Vir ; 2.83; 4700;occ; 144; 0;45956
 17; 5285.4; 14-DEC-2010 10:45:16; Dark ; 49.5; 15; 67Alp Vir ; 0.98; 28000;occ; 99; 0;45956
 18; 5494.3; 14-DEC-2010 10:48:44; Dark ; 42.0; 169; 46Gam Hya ; 2.99; 4700;occ; 84; 0;45956
 19; 5629.6; 14-DEC-2010 10:51:00; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;45956
 20; 5724.9; 14-DEC-2010 10:52:35; Dark ; 55.0; 171; 2Eps Crv ; 3.00; 4250;occ; 110; 0;45956
 21; 5935.8; 14-DEC-2010 10:56:06; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;45956
 22; 6031.8; 14-DEC-2010 10:57:42; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45957
 23; 6256.8; 14-DEC-2010 11:01:27; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45957
 24; 6489.7; 14-DEC-2010 11:05:20; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;45957
 25; 6574.3; 14-DEC-2010 11:06:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45957
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 27; 6901.0; 14-DEC-2010 11:12:11; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;45957
 28; 7059.2; 14-DEC-2010 11:14:49; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45957
 29; 7256.6; 14-DEC-2010 11:18:07; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;45957
 30; 7536.1; 14-DEC-2010 11:22:46; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45957

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 10; 3720.4; 14-DEC-2010 11:59:25; Bright; 42.5; 36; 50Alp UMa ; 1.80; 6300;occ; 85; 0;45957
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 13; 4314.8; 14-DEC-2010 12:09:19; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45957
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 16; 4929.5; 14-DEC-2010 12:19:34; Bright; 72.0; 138; 47Eps Vir ; 2.83; 4700;occ; 144; 0;45957
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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
 25; 6575.0; 14-DEC-2010 12:46:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45958
 26; 6766.6; 14-DEC-2010 12:50:11; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;45958
 27; 6901.5; 14-DEC-2010 12:52:26; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;45958
 28; 7059.8; 14-DEC-2010 12:55:04; Dark ; 58.0; 117; Pi Pup ; 2.71; 3800;occ; 116; 0;45958
 29; 7257.2; 14-DEC-2010 12:58:21; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;45958
 30; 7536.2; 14-DEC-2010 13:03:00; Dark ; 54.0; 47; 2Bet CMa ; 1.98; 28000;occ; 108; 0;45958

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 3; 2068.0; 14-DEC-2010 13:12:06; Dark ; 63.5; 14; 58Alp Ori ; 0.87; 3000;occ; 127; 0;45958
 4; 2178.6; 14-DEC-2010 13:13:57; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;45958
 5; 2319.2; 14-DEC-2010 13:16:17; Bright; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;45958
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 7; 2661.9; 14-DEC-2010 13:22:00; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45958
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 9; 3720.1; 14-DEC-2010 13:29:38; Bright; 46.5; 36; 50Alp UMa ; 1.80; 6300;occ; 93; 0;45958
 10; 3966.4; 14-DEC-2010 13:43:44; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;45958
 11; 4117.8; 14-DEC-2010 13:46:16; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;45958
 12; 4315.0; 14-DEC-2010 13:49:33; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45958
 13; 4505.4; 14-DEC-2010 13:52:43; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;45958
 14; 4701.1; 14-DEC-2010 13:55:59; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;45958

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 22; 6258.7; 14-DEC-2010 14:21:57; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45959
 23; 6491.1; 14-DEC-2010 14:25:49; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;45959
 24; 6575.9; 14-DEC-2010 14:27:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45959
 25; 6767.4; 14-DEC-2010 14:30:25; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;45959
 26; 6901.9; 14-DEC-2010 14:32:40; Dark ; 53.0; 2; Alp Car ;-0.74; 7000;occ; 106; 0;45959
 27; 7060.3; 14-DEC-2010 14:35:18; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45959
 28; 7257.7; 14-DEC-2010 14:38:36; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;45959

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 5; 23.0; 15-DEC-2010 00:19:39; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;45965
 6; 249.8; 15-DEC-2010 00:23:26; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45965
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 8; 566.4; 15-DEC-2010 00:28:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45965
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 10; 890.1; 15-DEC-2010 00:34:06; Dark ; 51.5; 2; Alp Car ;-0.74; 7000;occ; 103; 0;45965
 11; 1049.7; 15-DEC-2010 00:36:46; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;45965
 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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 15; 1873.6; 15-DEC-2010 00:50:30; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;45965
 16; 2065.4; 15-DEC-2010 00:53:42; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;45965
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 21; 2786.4; 15-DEC-2010 01:05:43; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;45965
 22; 3686.1; 15-DEC-2010 01:20:42; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;45965
 23; 3964.9; 15-DEC-2010 01:25:21; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;45965
 24; 4117.3; 15-DEC-2010 01:27:54; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;45965
 25; 4315.6; 15-DEC-2010 01:31:12; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;45965
 26; 4506.5; 15-DEC-2010 01:34:23; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;45965
 27; 4703.0; 15-DEC-2010 01:37:39; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;45965
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 3; -277.5; 15-DEC-2010 01:54:53; Dark ; 57.5; 171; 2Eps Crv ; 3.00; 4250;occ; 115; 0;45965
 4; -72.7; 15-DEC-2010 01:58:18; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45965
 5; 23.9; 15-DEC-2010 01:59:54; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;45966
 6; 250.7; 15-DEC-2010 02:03:41; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45966
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 8; 567.2; 15-DEC-2010 02:08:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45966
 9; 758.4; 15-DEC-2010 02:12:09; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;45966
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 12; 1246.7; 15-DEC-2010 02:20:17; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;45966
 13; 1523.4; 15-DEC-2010 02:24:54; Dark ; 56.0; 47; 2Bet CMA ; 1.98; 28000;occ; 112; 0;45966
 14; 1737.3; 15-DEC-2010 02:28:28; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;45966
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 16; 2065.0; 15-DEC-2010 02:33:55; Dark ; 67.0; 14; 58Alp Ori ; 0.87; 3000;occ; 134; 0;45966
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6;-1310.7; 15-DEC-2010 03:17:54; Bright; 50.5; 111; 8Eta Boo ; 2.68; 6000;occ; 101; 0;45966
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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; 251.7; 15-DEC-2010 03:43:56; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45967
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26; 2438.0; 15-DEC-2010 04:20:22; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;45967
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4;-1698.3; 15-DEC-2010 04:51:40; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;45967
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6; 274.6; 16-DEC-2010 23:10:24; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45993
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9; 777.5; 16-DEC-2010 23:18:46; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 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
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23; 6283.4; 16-DEC-2010 13:08:54; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45987
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27; 6914.4; 16-DEC-2010 13:19:25; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;45987
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22; 6053.1; 16-DEC-2010 14:45:18; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45988
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27; 6915.4; 16-DEC-2010 14:59:40; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;45988
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28; 2638.4; 17-DEC-2010 04:50:29; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45996
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6; 2426.3; 17-DEC-2010 08:07:25; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;45998
7; 2637.3; 17-DEC-2010 08:10:56; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45998
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13; 4320.2; 18-DEC-2010 14:43:12; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;46016
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13; 3928.3; 24-DEC-2010 17:37:14; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;46104
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 9; 2313.9; 31-DEC-2010 17:53:56; Bright; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;46205
 10; 2552.9; 31-DEC-2010 17:57:55; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;46205
 11; 2677.8; 31-DEC-2010 18:00:00; Bright; 39.5; 6; 13Alp Aur ; 0.08; 3400;occ; 79; 0;46205
 12; 3672.4; 31-DEC-2010 18:16:35; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46205
 13; 3891.6; 31-DEC-2010 18:20:14; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;46205
 14; 4087.9; 31-DEC-2010 18:23:30; Bright; 46.5; 39; 85Eta UMa ; 1.85; 24000;occ; 93; 0;46205
 15; 4330.8; 31-DEC-2010 18:27:33; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;46205
 16; 4551.1; 31-DEC-2010 18:31:13; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46205
 17; 4745.8; 31-DEC-2010 18:34:28; Bright; 52.5; 3; 16Alp Boo ; -0.05; 4250;occ; 105; 0;46205
 18; 5169.1; 31-DEC-2010 18:41:31; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;46205
 19; 5327.2; 31-DEC-2010 18:44:10; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;46205
 20; 5739.0; 31-DEC-2010 18:51:01; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;46205
 21; 5904.5; 31-DEC-2010 18:53:47; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46205
 22; 6112.9; 31-DEC-2010 18:57:15; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46206
 23; 6221.9; 31-DEC-2010 18:59:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46206
 24; 6481.2; 31-DEC-2010 19:03:24; Dark ; 52.0; 113; Mu Vel ; 2.69; 5000;occ; 104; 0;46206
 25; 6636.0; 31-DEC-2010 19:05:58; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;46206
 26; 6749.9; 31-DEC-2010 19:07:52; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;46206
 27; 6920.5; 31-DEC-2010 19:10:43; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46206
 28; 7051.4; 31-DEC-2010 19:12:54; Dark ; 22.5; 70; Zet Pup ; 2.25; 39000;occ; 45; 0;46206

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