

GOMOS Daily Report 07-DEC-2009

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	10DEC2009 05:01:20
Data source version	GOMOS/5.00L04
Start time of products	07DEC2009 00:03:15
Stop time of products	07DEC2009 23:56:33
Store outputs in DB	Yes
Nb of level 1b prods	128
Nb of prods with errors	1

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

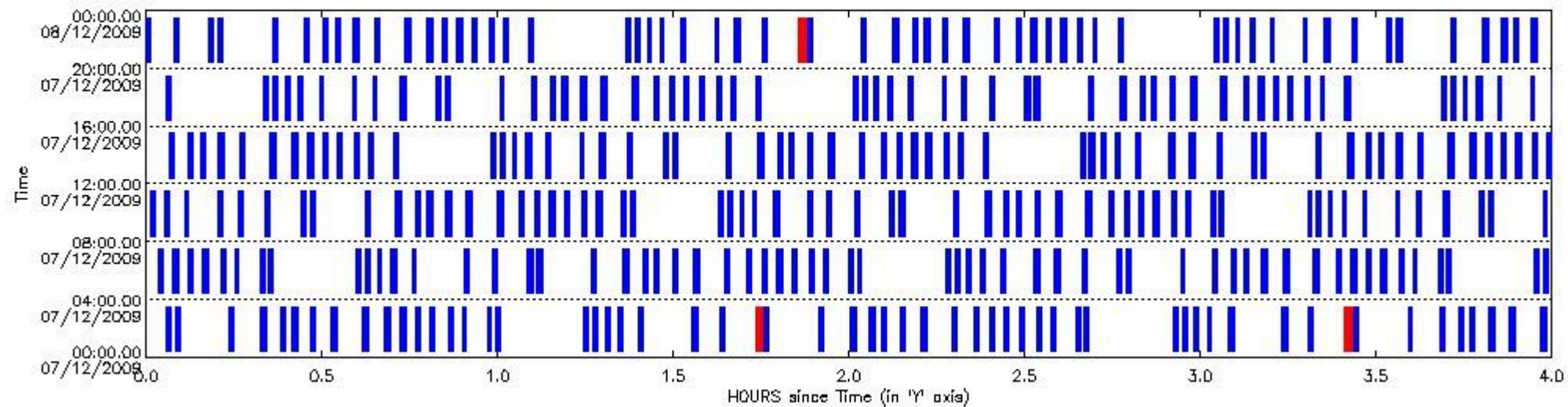
2.1 Level 0 products arrived in PCF (see template [here](#))

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
07-DEC-2009 01:44:00	4GamCrv	100	40623
07-DEC-2009 03:24:36	4GamCrv	100	40624
07-DEC-2009 21:51:23	4GamCrv	100	40635

2.4 Summary of processed GOM_TRA_1P products

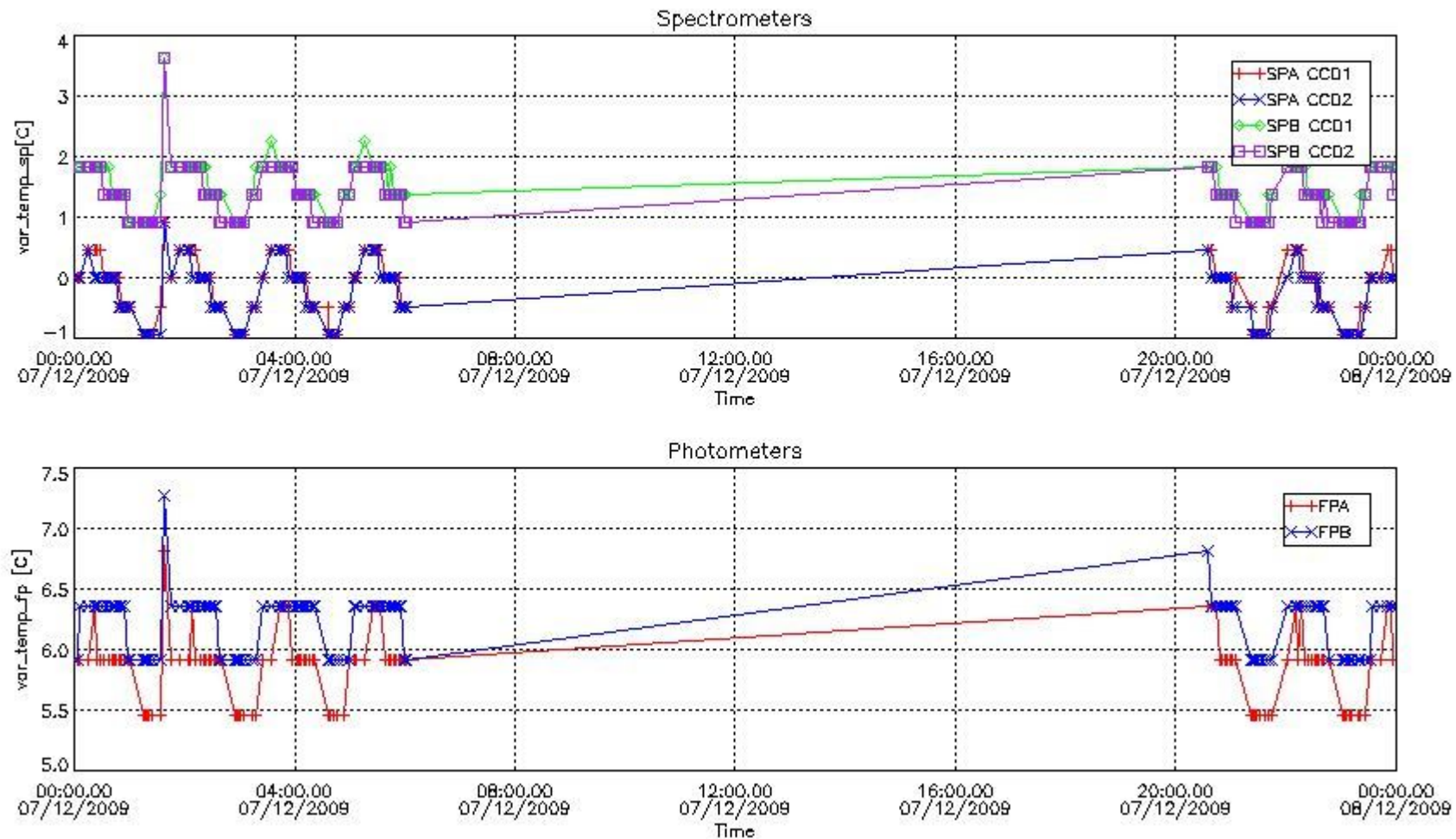
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091207_000315_000000502084_00488_40622_6756.N1	07-DEC-2009 00:03:15	Dark	49.500	100	4Gam Crv	2.5800	13100.	99	40622	No
2	GOM_TRA_1PNPDE20091207_000451_000000522084_00488_40622_6757.N1	07-DEC-2009 00:04:51	Dark	52.000	171	2Eps Crv	3.0010	4250.0	104	40622	No
3	GOM_TRA_1PNPDE20091207_001412_000000452084_00489_40623_6758.N1	07-DEC-2009 00:14:12	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	40623	No
4	GOM_TRA_1PNPDE20091207_002252_000000532084_00489_40623_6759.N1	07-DEC-2009 00:22:52	Dark	52.500	34	Gam2Vel	1.7930	23000.	105	40623	No
5	GOM_TRA_1PNPDE20091207_002450_000000582084_00489_40623_6760.N1	07-DEC-2009 00:24:50	Dark	57.500	70	Zet Pup	2.2460	39000.	115	40623	No
6	GOM_TRA_1PNPDE20091207_002800_000000572084_00489_40623_6761.N1	07-DEC-2009 00:28:00	Dark	57.000	117	Pi Pup	2.7060	3800.0	114	40623	No
7	GOM_TRA_1PNPDE20091207_003135_000000642084_00489_40623_6762.N1	07-DEC-2009 00:31:35	Dark	64.000	23	21Eps CMa	1.5020	26000.	128	40623	No
8	GOM_TRA_1PNPDE20091207_003652_000000572084_00489_40623_6763.N1	07-DEC-2009 00:36:52	Straylight	57.000	47	2Bet CMa	1.9760	28000.	114	40623	No

9	GOM_TRA_1PNPDE20091207_004042_000000552084_00489_40623_6764.N1	07-DEC-2009 00:40:42	Straylight	55.000	7	19Bet Ori	0.10000	14000.	110	40623	No
10	GOM_TRA_1PNPDE20091207_004321_000000592084_00489_40623_6765.N1	07-DEC-2009 00:43:21	Straylight	58.500	30	46Eps Ori	1.6940	30000.	117	40623	No
11	GOM_TRA_1PNPDE20091207_004553_000000552084_00489_40623_6766.N1	07-DEC-2009 00:45:53	Twilight_and_stray	55.000	27	24Gam Ori	1.6360	26000.	110	40623	No
12	GOM_TRA_1PNPDE20091207_004822_000000532084_00489_40623_6767.N1	07-DEC-2009 00:48:22	Bright	53.000	13	87Alp Tau	0.86700	3800.0	106	40623	No
13	GOM_TRA_1PNPDE20091207_005129_000000512084_00489_40623_6768.N1	07-DEC-2009 00:51:29	Bright	50.500	176	23Zet Tau	3.0200	22000.	101	40623	No
14	GOM_TRA_1PNPDE20091207_005354_000000452084_00489_40623_6769.N1	07-DEC-2009 00:53:54	Bright	44.500	114	3lot Aur	2.6930	4600.0	89	40623	No
15	GOM_TRA_1PNPDE20091207_005811_000000462084_00489_40623_6770.N1	07-DEC-2009 00:58:11	Bright	45.500	6	13Alp Aur	0.080000	3400.0	91	40623	No
16	GOM_TRA_1PNPDE20091207_005937_000000492084_00489_40623_6771.N1	07-DEC-2009 00:59:37	Bright	48.500	42	34Bet Aur	1.9000	10200.	97	40623	No
17	GOM_TRA_1PNPDE20091207_011443_000000492084_00489_40623_6772.N1	07-DEC-2009 01:14:43	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	40623	No
18	GOM_TRA_1PNPDE20091207_011616_000000482084_00489_40623_6773.N1	07-DEC-2009 01:16:16	Bright	47.500	82	48Bet UMa	2.3650	10600.	95	40623	No
19	GOM_TRA_1PNPDE20091207_011819_000000492084_00489_40623_6774.N1	07-DEC-2009 01:18:19	Bright	49.000	32	77Eps UMa	1.7630	11000.	98	40623	No
20	GOM_TRA_1PNPDE20091207_012035_000000392084_00489_40623_6775.N1	07-DEC-2009 01:20:35	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	40623	No
21	GOM_TRA_1PNPDE20091207_012407_000000422084_00489_40623_6776.N1	07-DEC-2009 01:24:07	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	40623	No
22	GOM_TRA_1PNPDE20091207_013311_000000632084_00489_40623_6777.N1	07-DEC-2009 01:33:11	Bright	63.000	138	47Eps Vir	2.8280	4700.0	126	40623	No
23	GOM_TRA_1PNPDE20091207_013751_000000542084_00489_40623_6775.N1	07-DEC-2009 01:37:51	Bright	53.500	121	29Gam Vir	2.7400	7200.0	107	40623	Yes
24	GOM_TRA_1PNPDE20091207_014528_000000532084_00489_40623_6776.N1	07-DEC-2009 01:45:28	Dark	53.000	171	2Eps Crv	3.0010	4250.0	106	40623	No
25	GOM_TRA_1PNPDE20091207_015448_000000482084_00490_40624_6777.N1	07-DEC-2009 01:54:48	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	40624	No
26	GOM_TRA_1PNPDE20091207_020329_000000522084_00490_40624_6778.N1	07-DEC-2009 02:03:29	Dark	52.000	34	Gam2Vel	1.7930	23000.	104	40624	No
27	GOM_TRA_1PNPDE20091207_020527_000000532084_00490_40624_6779.N1	07-DEC-2009 02:05:27	Dark	52.500	70	Zet Pup	2.2460	39000.	105	40624	No
28	GOM_TRA_1PNPDE20091207_020837_000000592084_00490_40624_6780.N1	07-DEC-2009 02:08:37	Dark	59.000	117	Pi Pup	2.7060	3800.0	118	40624	No
29	GOM_TRA_1PNPDE20091207_021211_000000622084_00490_40624_6781.N1	07-DEC-2009 02:12:11	Dark	62.000	23	21Eps CMa	1.5020	26000.	124	40624	No
30	GOM_TRA_1PNPDE20091207_021728_000000612084_00490_40624_6782.N1	07-DEC-2009 02:17:28	Straylight	60.500	47	2Bet CMa	1.9760	28000.	121	40624	No
31	GOM_TRA_1PNPDE20091207_022118_000000532084_00490_40624_6783.N1	07-DEC-2009 02:21:18	Straylight	52.500	7	19Bet Ori	0.10000	14000.	105	40624	No
32	GOM_TRA_1PNPDE20091207_022357_000000572084_00490_40624_6784.N1	07-DEC-2009 02:23:57	Straylight	57.000	30	46Eps Ori	1.6940	30000.	114	40624	No
33	GOM_TRA_1PNPDE20091207_022629_000000532084_00490_40624_6785.N1	07-DEC-2009 02:26:29	Twilight_and_stray	53.000	27	24Gam Ori	1.6360	26000.	106	40624	No
34	GOM_TRA_1PNPDE20091207_022858_000000542084_00490_40624_6786.N1	07-DEC-2009 02:28:58	Bright	54.000	13	87Alp Tau	0.86700	3800.0	108	40624	No
35	GOM_TRA_1PNPDE20091207_023204_000000532084_00490_40624_6787.N1	07-DEC-2009 02:32:04	Bright	52.500	176	23Zet Tau	3.0200	22000.	105	40624	No
36	GOM_TRA_1PNPDE20091207_023430_000000442084_00490_40624_6788.N1	07-DEC-2009 02:34:30	Bright	44.000	114	3lot Aur	2.6930	4600.0	88	40624	No
37	GOM_TRA_1PNPDE20091207_023847_000000462084_00490_40624_6789.N1	07-DEC-2009 02:38:47	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	40624	No
38	GOM_TRA_1PNPDE20091207_024012_000000482084_00490_40624_6790.N1	07-DEC-2009 02:40:12	Bright	48.000	42	34Bet Aur	1.9000	10200.	96	40624	No
39	GOM_TRA_1PNPDE20091207_025518_000000512084_00490_40624_6791.N1	07-DEC-2009 02:55:18	Bright	51.000	36	50Alp UMa	1.8000	6300.0	102	40624	No
40	GOM_TRA_1PNPDE20091207_025652_000000512084_00490_40624_6811.N1	07-DEC-2009 02:56:52	Bright	50.500	82	48Bet UMa	2.3650	10600.	101	40624	No
41	GOM_TRA_1PNPDE20091207_025855_000000402084_00490_40624_6812.N1	07-DEC-2009 02:58:55	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	40624	No
42	GOM_TRA_1PNPDE20091207_030111_000000432084_00490_40624_6813.N1	07-DEC-2009 03:01:11	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	40624	No
43	GOM_TRA_1PNPDE20091207_030443_000000612084_00490_40624_6814.N1	07-DEC-2009 03:04:43	Bright	60.500	152	12Alp2CVn	2.8900	11000.	121	40624	No
44	GOM_TRA_1PNPDE20091207_031347_000000632084_00490_40624_6815.N1	07-DEC-2009 03:13:47	Bright	63.000	138	47Eps Vir	2.8280	4700.0	126	40624	No
45	GOM_TRA_1PNPDE20091207_031828_000000522084_00490_40624_6816.N1	07-DEC-2009 03:18:28	Bright	52.000	121	29Gam Vir	2.7400	7200.0	104	40624	No
46	GOM_TRA_1PNPDE20091207_032605_000000542084_00490_40624_6817.N1	07-DEC-2009 03:26:05	Dark	53.500	171	2Eps Crv	3.0010	4250.0	107	40624	No
47	GOM_TRA_1PNPDE20091207_033525_000000462084_00491_40625_6818.N1	07-DEC-2009 03:35:25	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	40625	No
48	GOM_TRA_1PNPDE20091207_034406_000000562084_00491_40625_6819.N1	07-DEC-2009 03:44:06	Dark	56.000	34	Gam2Vel	1.7930	23000.	112	40625	No
49	GOM_TRA_1PNPDE20091207_034603_000000522084_00491_40625_6820.N1	07-DEC-2009 03:46:03	Dark	52.000	70	Zet Pup	2.2460	39000.	104	40625	No
50	GOM_TRA_1PNPDE20091207_034914_000000582084_00491_40625_6821.N1	07-DEC-2009 03:49:14	Dark	57.500	117	Pi Pup	2.7060	3800.0	115	40625	No
51	GOM_TRA_1PNPDE20091207_035248_000000642084_00491_40625_6822.N1	07-DEC-2009 03:52:48	Dark	63.500	23	21Eps CMa	1.5020	26000.	127	40625	No
52	GOM_TRA_1PNPDE20091207_035805_000000572084_00491_40625_6823.N1	07-DEC-2009 03:58:05	Straylight	57.000	47	2Bet CMa	1.9760	28000.	114	40625	No
53	GOM_TRA_1PNPDE20091207_040154_000000532084_00491_40625_6824.N1	07-DEC-2009 04:01:54	Straylight	52.500	7	19Bet Ori	0.10000	14000.	105	40625	No
54	GOM_TRA_1PNPDE20091207_040432_000000562084_00491_40625_6825.N1	07-DEC-2009 04:04:32	Straylight	55.500	30	46Eps Ori	1.6940	30000.	111	40625	No
55	GOM_TRA_1PNPDE20091207_040705_000000552084_00491_40625_6826.N1	07-DEC-2009 04:07:05	Twilight_and_stray	54.500	27	24Gam Ori	1.6360	26000.	109	40625	No
56	GOM_TRA_1PNPDE20091207_040934_000000582084_00491_40625_6827.N1	07-DEC-2009 04:09:34	Bright	58.000	13	87Alp Tau	0.86700	3800.0	116	40625	No
57	GOM_TRA_1PNPDE20091207_041239_000000512084_00491_40625_6828.N1	07-DEC-2009 04:12:39	Bright	50.500	176	23Zet Tau	3.0200	22000.	101	40625	No
58	GOM_TRA_1PNPDE20091207_041505_000000452084_00491_40625_6829.N1	07-DEC-2009 04:15:05	Bright	44.500	114	3lot Aur	2.6930	4600.0	89	40625	No
59	GOM_TRA_1PNPDE20091207_041922_000000482084_00491_40625_6830.N1	07-DEC-2009 04:19:22	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	40625	No
60	GOM_TRA_1PNPDE20091207_042047_000000482084_00491_40625_6831.N1	07-DEC-2009 04:20:47	Bright	48.000	42	34Bet Aur	1.9000	10200.	96	40625	No
61	GOM_TRA_1PNPDE20091207_043554_000000472084_00491_40625_6834.N1	07-DEC-2009 04:35:54	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	40625	No
62	GOM_TRA_1PNPDE20091207_043727_000000502084_00491_40625_6835.N1	07-DEC-2009 04:37:27	Bright	49.500	82	48Bet UMa	2.3650	10600.	99	40625	No
63	GOM_TRA_1PNPDE20091207_043931_000000392084_00491_40625_6836.N1	07-DEC-2009 04:39:31	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	40625	No
64	GOM_TRA_1PNPDE20091207_044147_000000552084_00491_40625_6837.N1	07-DEC-2009 04:41:47	Bright	55.000	39	85Eta UMa	1.8540	24000.	110	40625	No
65	GOM_TRA_1PNPDE20091207_044519_000000422084_00491_40625_6838.N1	07-DEC-2009 04:45:19	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	40625	No
66	GOM_TRA_1PNPDE20091207_045424_000000402084_00491_40625_6839.N1	07-DEC-2009 04:54:24	Bright	40.000	138	47Eps Vir	2.8280	4700.0	80	40625	No
67	GOM_TRA_1PNPDE20091207_045905_000000522084_00491_40625_6840.N1	07-DEC-2009 04:59:05	Bright	52.000	121	29Gam Vir	2.7400	7200.0	104	40625	No

68	GOM_TRA_1PNPDE20091207_050505_000000562084_00491_40625_6841.N1	07-DEC-2009 05:05:05	Dark	55.500	100	4Gam Crv	2.5800	13100.	111	40625	No
69	GOM_TRA_1PNPDE20091207_050642_000000552084_00491_40625_6842.N1	07-DEC-2009 05:06:42	Dark	54.500	171	2Eps Crv	3.0010	4250.0	109	40625	No
70	GOM_TRA_1PNPDE20091207_051602_000000432084_00492_40626_6843.N1	07-DEC-2009 05:16:02	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	40626	No
71	GOM_TRA_1PNPDE20091207_052443_000000492084_00492_40626_6844.N1	07-DEC-2009 05:24:43	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	40626	No
72	GOM_TRA_1PNPDE20091207_052640_000000532084_00492_40626_6845.N1	07-DEC-2009 05:26:40	Dark	53.000	70	Zet Pup	2.2460	39000.	106	40626	No
73	GOM_TRA_1PNPDE20091207_052950_000000582084_00492_40626_6846.N1	07-DEC-2009 05:29:50	Dark	58.000	117	Pi Pup	2.7060	3800.0	116	40626	No
74	GOM_TRA_1PNPDE20091207_053324_000000632084_00492_40626_6847.N1	07-DEC-2009 05:33:24	Dark	62.500	23	21Eps CMa	1.5020	26000.	125	40626	No
75	GOM_TRA_1PNPDE20091207_053840_000000592084_00492_40626_6848.N1	07-DEC-2009 05:38:40	Straylight	59.000	47	2Bet CMa	1.9760	28000.	118	40626	No
76	GOM_TRA_1PNPDE20091207_054230_000000532084_00492_40626_6849.N1	07-DEC-2009 05:42:30	Straylight	53.000	7	19Bet Ori	0.10000	14000.	106	40626	No
77	GOM_TRA_1PNPDE20091207_054508_000000542084_00492_40626_6850.N1	07-DEC-2009 05:45:08	Straylight	53.500	30	46Eps Ori	1.6940	30000.	107	40626	No
78	GOM_TRA_1PNPDE20091207_054740_000000542084_00492_40626_6851.N1	07-DEC-2009 05:47:40	Tw_i_and_stray	53.500	27	24Gam Ori	1.6360	26000.	107	40626	No
79	GOM_TRA_1PNPDE20091207_055010_000000582084_00492_40626_6852.N1	07-DEC-2009 05:50:10	Bright	58.000	13	87Alp Tau	0.86700	3800.0	116	40626	No
80	GOM_TRA_1PNPDE20091207_055315_000000502084_00492_40626_6853.N1	07-DEC-2009 05:53:15	Bright	50.000	176	23Zet Tau	3.0200	22000.	100	40626	No
81	GOM_TRA_1PNPDE20091207_055541_000000452084_00492_40626_6854.N1	07-DEC-2009 05:55:41	Bright	45.000	114	3lot Aur	2.6930	4600.0	90	40626	No
82	GOM_TRA_1PNPDE20091207_055958_000000472084_00492_40626_6855.N1	07-DEC-2009 05:59:58	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	40626	No
83	GOM_TRA_1PNPDE20091207_060122_000000462084_00492_40626_6856.N1	07-DEC-2009 06:01:22	Bright	45.500	42	34Bet Aur	1.9000	10200.	91	40626	No
84	GOM_TRA_1PNPDE20091207_203520_000000592084_00501_40635_6919.N1	07-DEC-2009 20:35:20	Dark	58.500	117	Pi Pup	2.7060	3800.0	117	40635	No
85	GOM_TRA_1PNPDE20091207_203853_000000612084_00501_40635_6920.N1	07-DEC-2009 20:38:53	Dark	61.000	23	21Eps CMa	1.5020	26000.	122	40635	No
86	GOM_TRA_1PNPDE20091207_204406_000000582084_00501_40635_6921.N1	07-DEC-2009 20:44:06	Straylight	57.500	47	2Bet CMa	1.9760	28000.	115	40635	No
87	GOM_TRA_1PNPDE20091207_204754_000000542084_00501_40635_6922.N1	07-DEC-2009 20:47:54	Straylight	53.500	7	19Bet Ori	0.10000	14000.	107	40635	No
88	GOM_TRA_1PNPDE20091207_205029_000000562084_00501_40635_6923.N1	07-DEC-2009 20:50:29	Straylight	55.500	30	46Eps Ori	1.6940	30000.	111	40635	No
89	GOM_TRA_1PNPDE20091207_205300_000000542084_00501_40635_6924.N1	07-DEC-2009 20:53:00	Tw_i_and_stray	54.000	27	24Gam Ori	1.6360	26000.	108	40635	No
90	GOM_TRA_1PNPDE20091207_205531_000000502084_00501_40635_6925.N1	07-DEC-2009 20:55:31	Bright	50.000	13	87Alp Tau	0.86700	3800.0	100	40635	No
91	GOM_TRA_1PNPDE20091207_205832_000000482084_00501_40635_6926.N1	07-DEC-2009 20:58:32	Bright	47.500	176	23Zet Tau	3.0200	22000.	95	40635	No
92	GOM_TRA_1PNPDE20091207_210100_000000442084_00501_40635_6927.N1	07-DEC-2009 21:01:00	Bright	43.500	114	3lot Aur	2.6930	4600.0	87	40635	No
93	GOM_TRA_1PNPDE20091207_210516_000000462084_00501_40635_6928.N1	07-DEC-2009 21:05:16	Bright	45.500	6	13Alp Aur	0.080000	3400.0	91	40635	No
94	GOM_TRA_1PNPDE20091207_212149_000000462084_00501_40635_6929.N1	07-DEC-2009 21:21:49	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	40635	No
95	GOM_TRA_1PNPDE20091207_212322_000000502084_00501_40635_6930.N1	07-DEC-2009 21:23:22	Bright	50.000	82	48Bet UMa	2.3650	10600.	100	40635	No
96	GOM_TRA_1PNPDE20091207_212529_000000452084_00501_40635_6931.N1	07-DEC-2009 21:25:29	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	40635	No
97	GOM_TRA_1PNPDE20091207_212746_000000372084_00501_40635_6932.N1	07-DEC-2009 21:27:46	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	40635	No
98	GOM_TRA_1PNPDE20091207_213118_000000422084_00501_40635_6933.N1	07-DEC-2009 21:31:18	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	40635	No
99	GOM_TRA_1PNPDE20091207_213703_000000372084_00501_40635_6934.N1	07-DEC-2009 21:37:03	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	40635	No
100	GOM_TRA_1PNPDE20091207_214027_000000642084_00501_40635_6935.N1	07-DEC-2009 21:40:27	Bright	64.000	138	47Eps Vir	2.8280	4700.0	128	40635	No
101	GOM_TRA_1PNPDE20091207_214511_000000312084_00501_40635_6936.N1	07-DEC-2009 21:45:11	Tw_i_and_stray	30.500	121	29Gam Vir	2.7400	7200.0	61	40635	No
102	GOM_TRA_1PNPDE20091207_220210_000000462085_00001_40636_6928.N1	07-DEC-2009 22:02:10	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	40636	No
103	GOM_TRA_1PNPDE20091207_221050_000000532085_00001_40636_6929.N1	07-DEC-2009 22:10:50	Dark	53.000	34	Gam2Vel	1.7930	23000.	106	40636	No
104	GOM_TRA_1PNPDE20091207_221249_000000552085_00001_40636_6930.N1	07-DEC-2009 22:12:49	Dark	54.500	70	Zet Pup	2.2460	39000.	109	40636	No
105	GOM_TRA_1PNPDE20091207_221557_000000582085_00001_40636_6931.N1	07-DEC-2009 22:15:57	Dark	57.500	117	Pi Pup	2.7060	3800.0	115	40636	No
106	GOM_TRA_1PNPDE20091207_221929_000000592085_00001_40636_6932.N1	07-DEC-2009 22:19:29	Dark	59.000	23	21Eps CMa	1.5020	26000.	118	40636	No
107	GOM_TRA_1PNPDE20091207_222442_000000592085_00001_40636_6933.N1	07-DEC-2009 22:24:42	Straylight	58.500	47	2Bet CMa	1.9760	28000.	117	40636	No
108	GOM_TRA_1PNPDE20091207_222829_000000552085_00001_40636_6934.N1	07-DEC-2009 22:28:29	Straylight	54.500	7	19Bet Ori	0.10000	14000.	109	40636	No
109	GOM_TRA_1PNPDE20091207_223105_000000562085_00001_40636_6935.N1	07-DEC-2009 22:31:05	Straylight	56.000	30	46Eps Ori	1.6940	30000.	112	40636	No
110	GOM_TRA_1PNPDE20091207_223336_000000552085_00001_40636_6936.N1	07-DEC-2009 22:33:36	Tw_i_and_stray	55.000	27	24Gam Ori	1.6360	26000.	110	40636	No
111	GOM_TRA_1PNPDE20091207_223607_000000582085_00001_40636_6937.N1	07-DEC-2009 22:36:07	Bright	58.000	13	87Alp Tau	0.86700	3800.0	116	40636	No
112	GOM_TRA_1PNPDE20091207_223907_000000502085_00001_40636_6938.N1	07-DEC-2009 22:39:07	Bright	49.500	176	23Zet Tau	3.0200	22000.	99	40636	No
113	GOM_TRA_1PNPDE20091207_224136_000000442085_00001_40636_6939.N1	07-DEC-2009 22:41:36	Bright	44.000	114	3lot Aur	2.6930	4600.0	88	40636	No
114	GOM_TRA_1PNPDE20091207_224552_000000482085_00001_40636_6940.N1	07-DEC-2009 22:45:52	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	40636	No
115	GOM_TRA_1PNPDE20091207_230225_000000462085_00001_40636_6941.N1	07-DEC-2009 23:02:25	Bright	45.500	36	50Alp UMa	1.8000	6300.0	91	40636	No
116	GOM_TRA_1PNPDE20091207_230357_000000482085_00001_40636_6942.N1	07-DEC-2009 23:03:57	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	40636	No
117	GOM_TRA_1PNPDE20091207_230605_000000382085_00001_40636_6943.N1	07-DEC-2009 23:06:05	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	40636	No
118	GOM_TRA_1PNPDE20091207_230822_000000552085_00001_40636_6944.N1	07-DEC-2009 23:08:22	Bright	55.000	39	85Eta UMa	1.8540	24000.	110	40636	No
119	GOM_TRA_1PNPDE20091207_231154_000000422085_00001_40636_6945.N1	07-DEC-2009 23:11:54	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	40636	No
120	GOM_TRA_1PNPDE20091207_231739_000000352085_00001_40636_6933.N1	07-DEC-2009 23:17:39	Bright	35.000	111	8Eta Boo	2.6800	6000.0	70	40636	No
121	GOM_TRA_1PNPDE20091207_232104_000000642085_00001_40636_6934.N1	07-DEC-2009 23:21:04	Bright	64.000	138	47Eps Vir	2.8280	4700.0	128	40636	No
122	GOM_TRA_1PNPDE20091207_232548_000000532085_00001_40636_6935.N1	07-DEC-2009 23:25:48	Tw_i_and_stray	53.000	121	29Gam Vir	2.7400	7200.0	106	40636	No
123	GOM_TRA_1PNPDE20091207_233152_000000512085_00001_40636_6936.N1	07-DEC-2009 23:31:52	Dark	51.000	100	4Gam Crv	2.5800	13100.	102	40636	No
124	GOM_TRA_1PNPDE20091207_233328_000000542085_00001_40636_6937.N1	07-DEC-2009 23:33:28	Dark	54.000	171	2Eps Crv	3.0010	4250.0	108	40636	No
125	GOM_TRA_1PNPDE20091207_234246_000000452085_00002_40637_6938.N1	07-DEC-2009 23:42:46	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	40637	No
126	GOM_TRA_1PNPDE20091207_235127_000000522085_00002_40637_6939.N1	07-DEC-2009 23:51:27	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	40637	No

127	GOM_TRA_1PNPDE20091207_235325_000000542085_00002_40637_6940.N1	07-DEC-2009 23:53:25	Dark	54.000	70	Zet Pup	2.2460	39000.	108	40637	No
128	GOM_TRA_1PNPDE20091207_235633_000000542085_00002_40637_6941.N1	07-DEC-2009 23:56:33	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	40637	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).

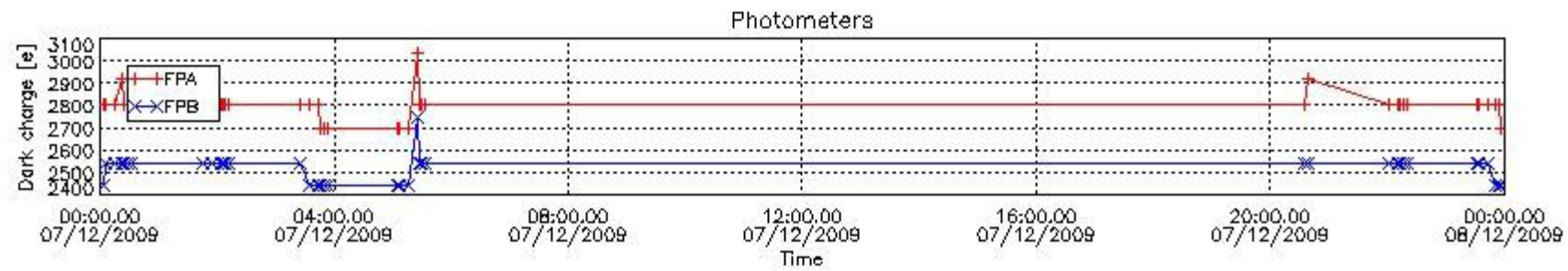
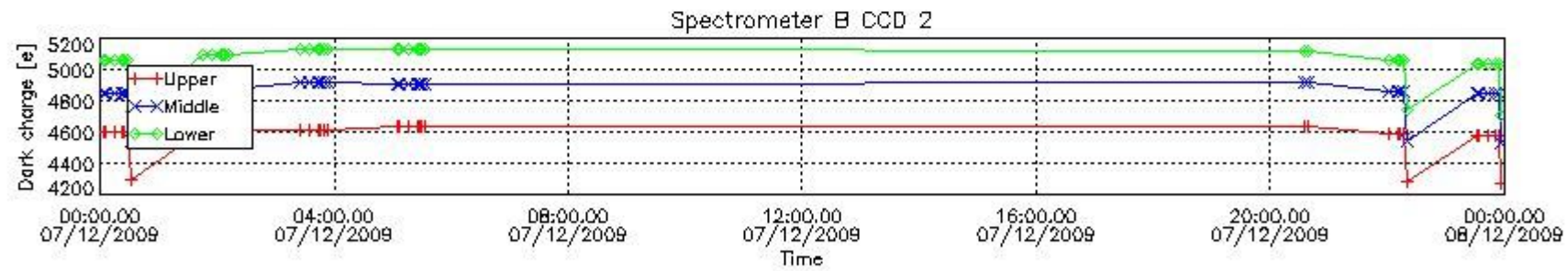
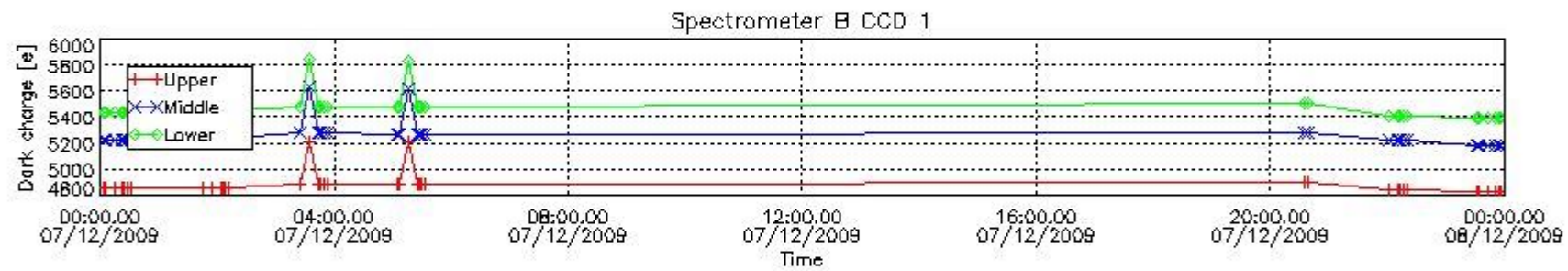
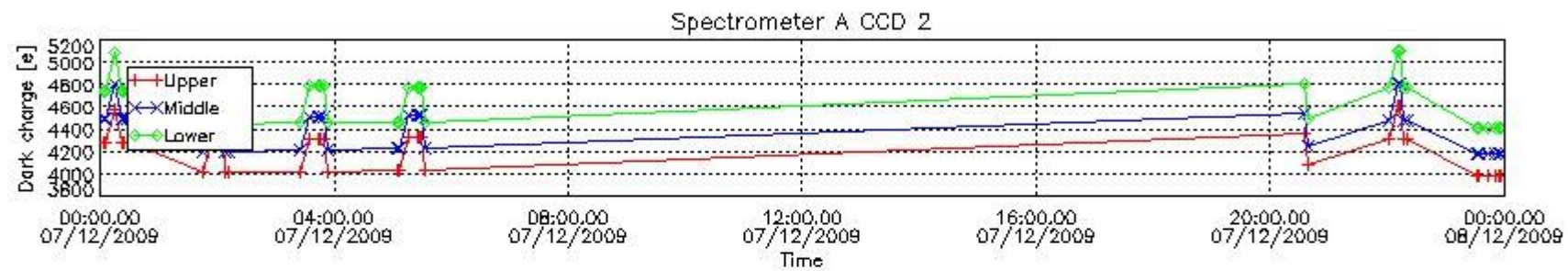
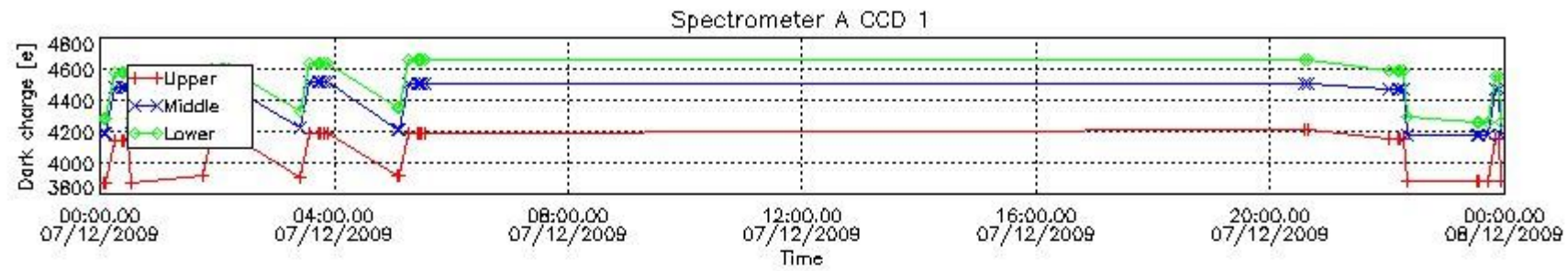
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20091207_203520_000000592084_00501_40635_6919.N1	DC map used
GOM_TRA_1PNPDE20091207_203853_000000612084_00501_40635_6920.N1	DC map used
GOM_TRA_1PNPDE20091207_204406_000000582084_00501_40635_6921.N1	DC map used
GOM_TRA_1PNPDE20091207_204754_000000542084_00501_40635_6922.N1	DC map used
GOM_TRA_1PNPDE20091207_205029_000000562084_00501_40635_6923.N1	DC map used
GOM_TRA_1PNPDE20091207_205300_000000542084_00501_40635_6924.N1	DC map used
GOM_TRA_1PNPDE20091207_205531_000000502084_00501_40635_6925.N1	DC map used
GOM_TRA_1PNPDE20091207_205832_000000482084_00501_40635_6926.N1	DC map used

GOM_TRA_1PNPDE20091207_210100_000000442084_00501_40635_6927.N1	DC map used
GOM_TRA_1PNPDE20091207_210516_000000462084_00501_40635_6928.N1	DC map used
GOM_TRA_1PNPDE20091207_212149_000000462084_00501_40635_6929.N1	DC map used
GOM_TRA_1PNPDE20091207_212322_000000502084_00501_40635_6930.N1	DC map used
GOM_TRA_1PNPDE20091207_212529_000000452084_00501_40635_6931.N1	DC map used
GOM_TRA_1PNPDE20091207_212746_000000372084_00501_40635_6932.N1	DC map used
GOM_TRA_1PNPDE20091207_213118_000000422084_00501_40635_6933.N1	DC map used
GOM_TRA_1PNPDE20091207_213703_000000372084_00501_40635_6934.N1	DC map used
GOM_TRA_1PNPDE20091207_214027_000000642084_00501_40635_6935.N1	DC map used
GOM_TRA_1PNPDE20091207_214511_000000312084_00501_40635_6936.N1	DC map used

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



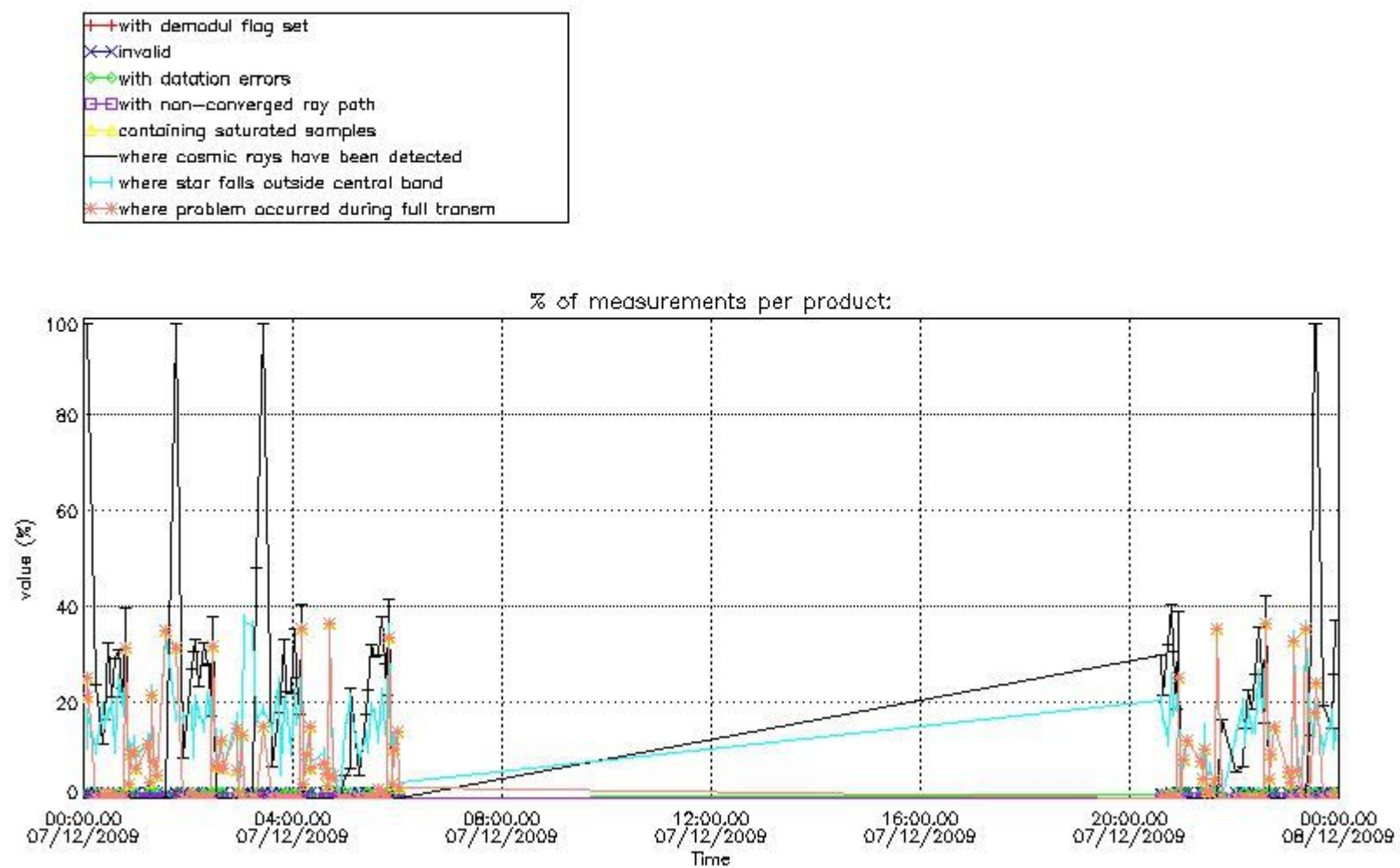
5. Demodulation flag and quality information monitoring

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.

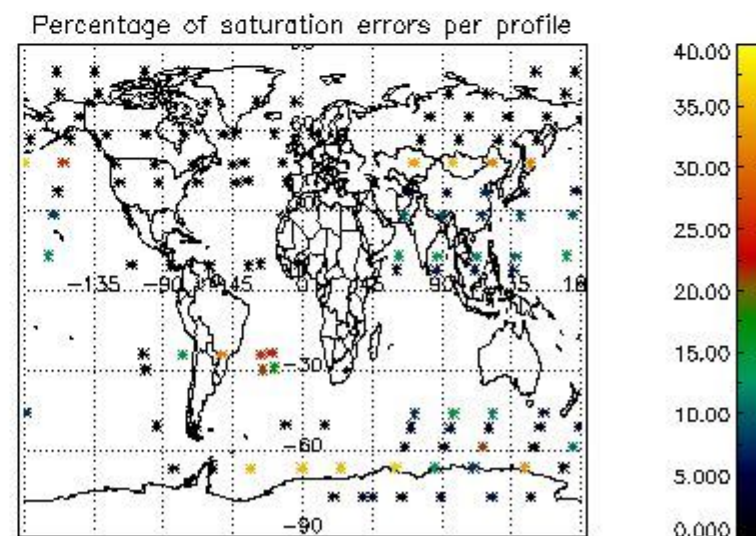
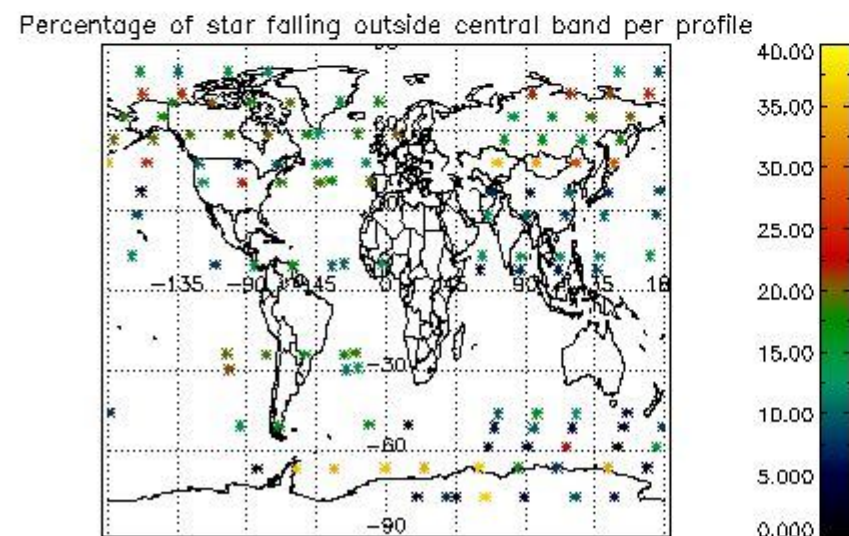
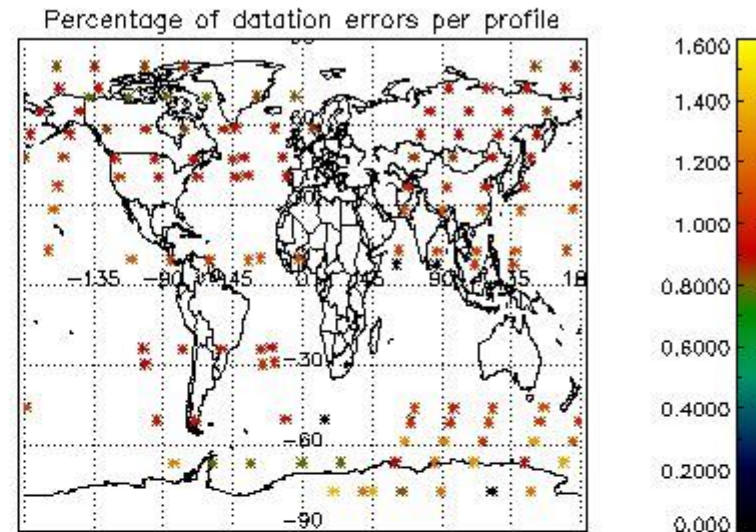
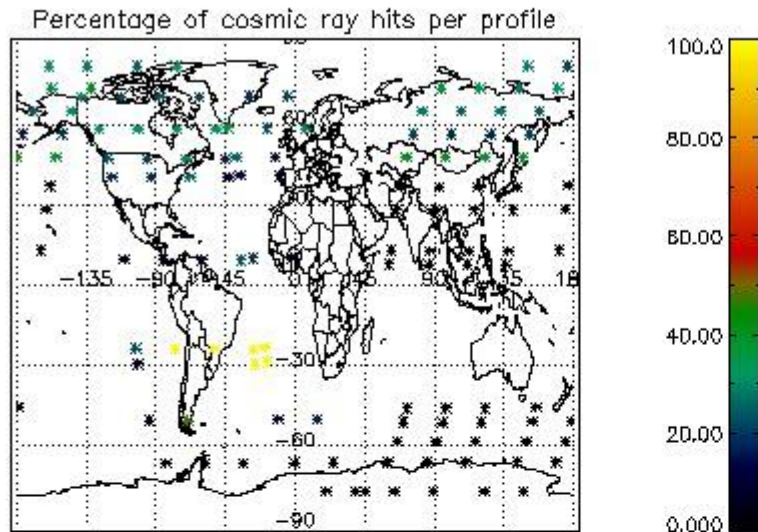
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	45.6693 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



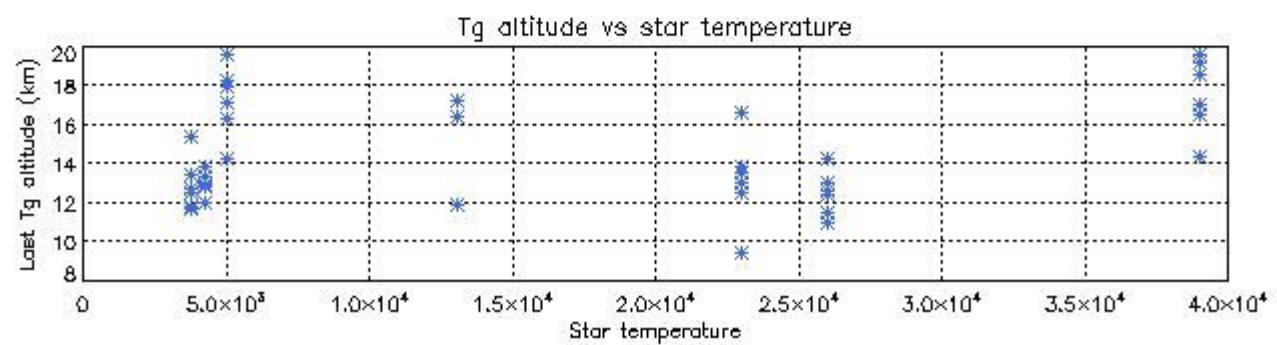
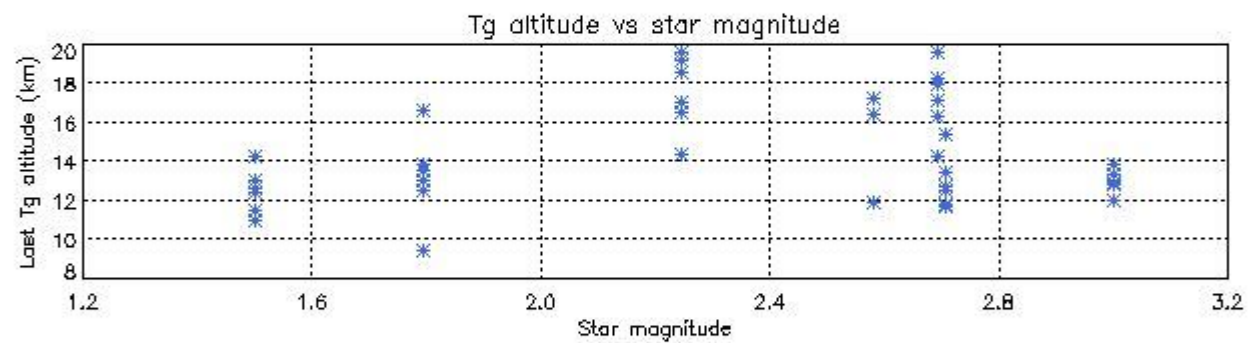
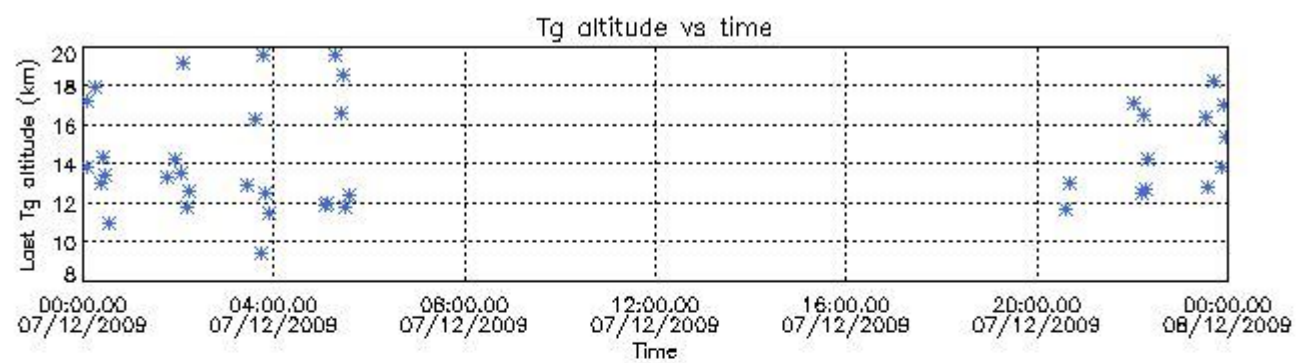
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.424	16.291	NaN
St. deviation:	2.6543	6.6012	NaN
Maximum:	19.587	26.930	NaN
Minimum:	9.4607	3.7591	NaN
Number of data:	39.000	62.000	NaN

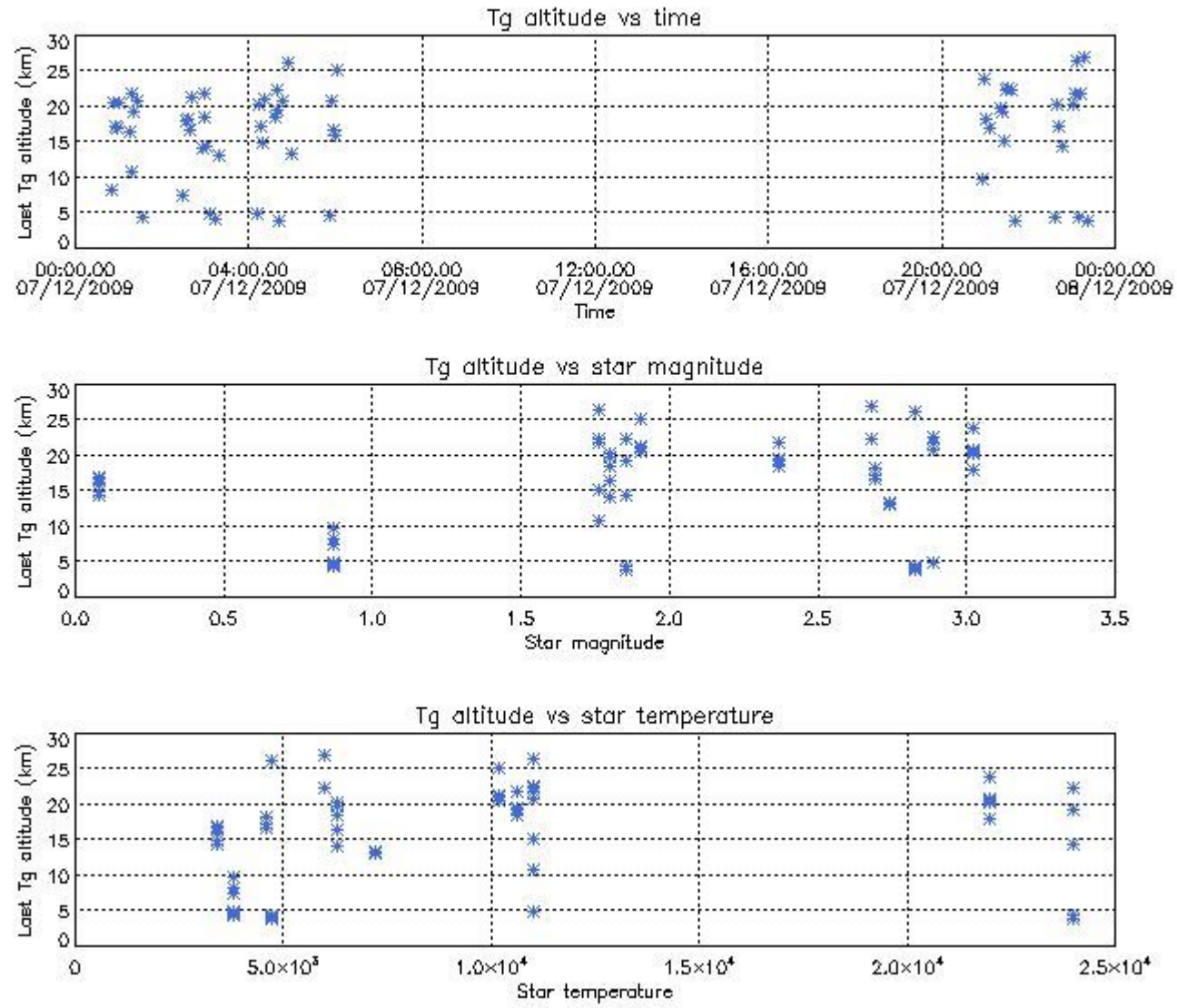
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

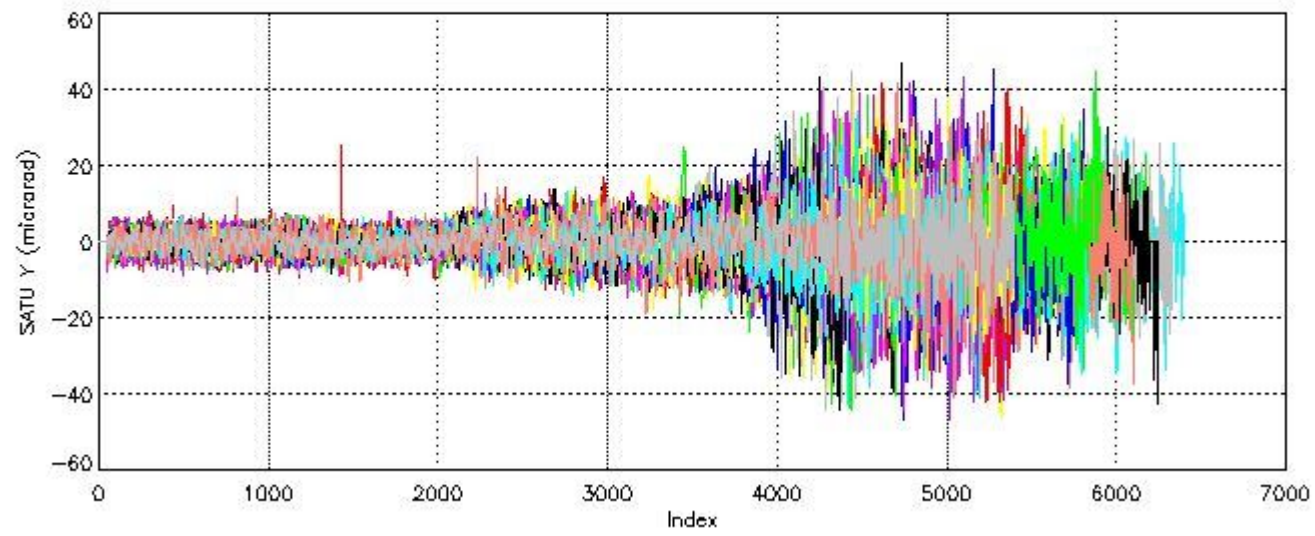
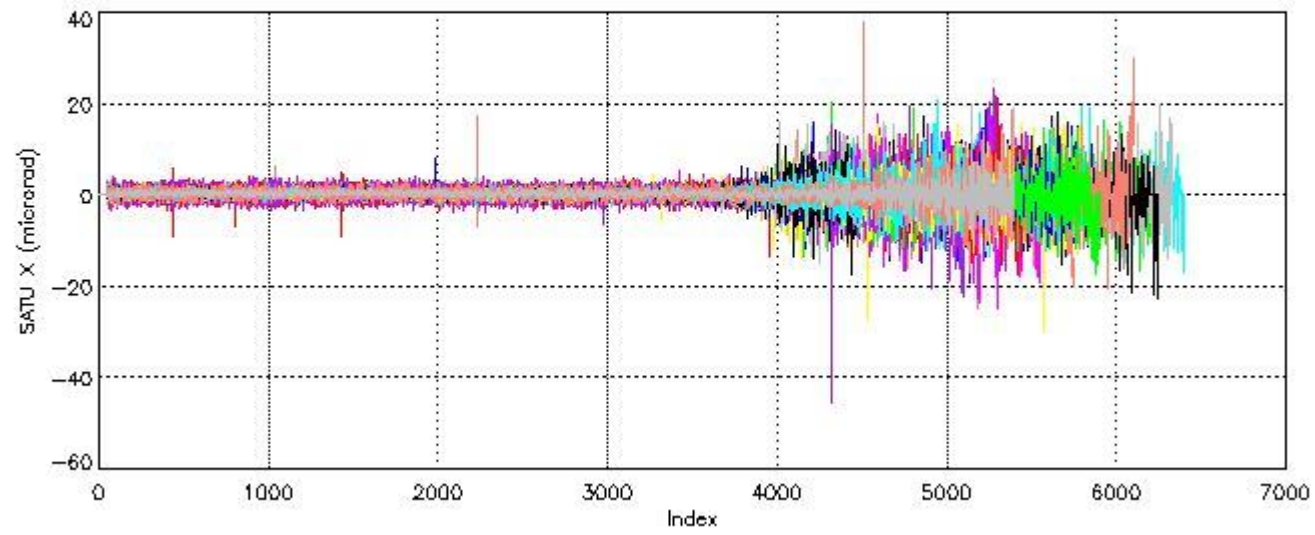


7. Star Acquisition and Tracking Unit (SATU)

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:	0.28196	-0.18664	0.19200	-0.27656
St. deviation:	0.64589	2.1664	0.77819	2.3329
Maximum:	6.1000	11.500	7.6000	12.200
Minimum:	-9.3000	-8.7000	-5.6000	-13.100

Number of data:	44450.	44450.	63800.	63800.
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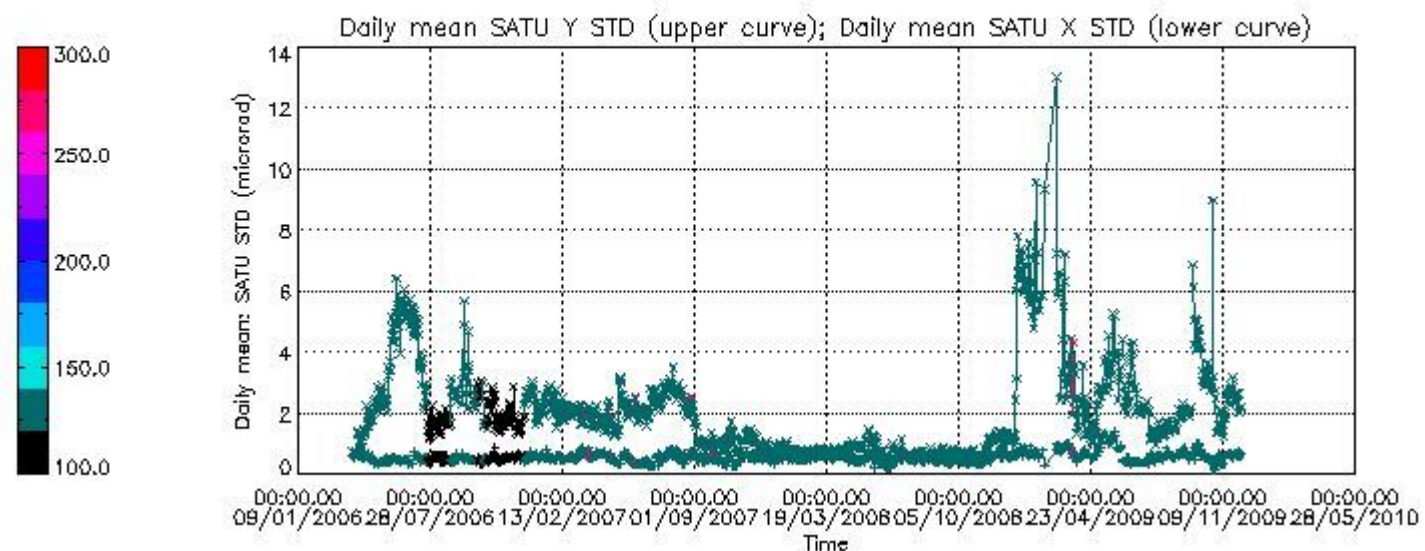
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

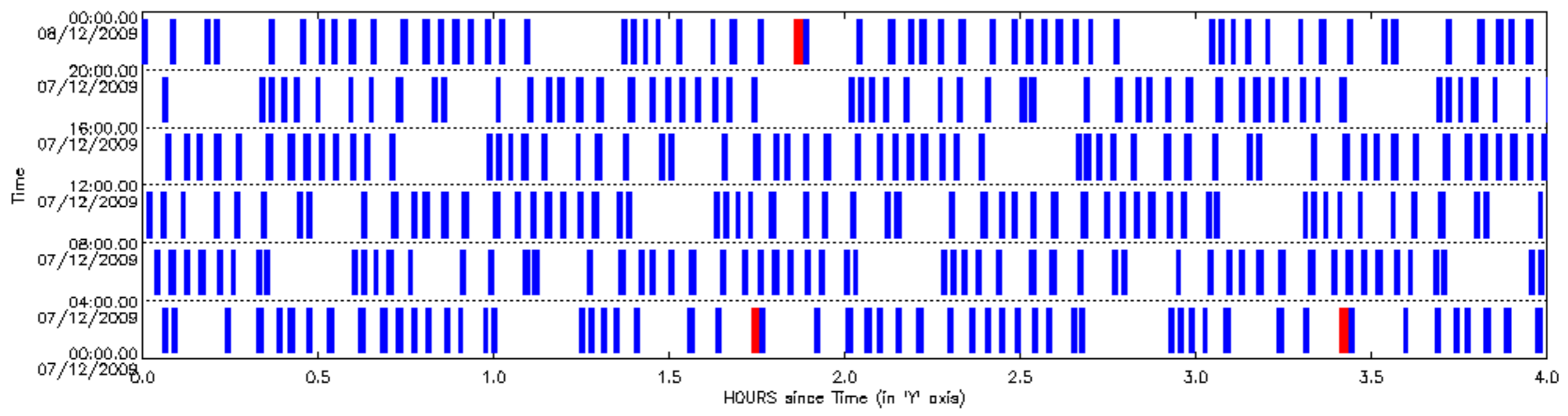
Lower curve: STD of SATU X axis

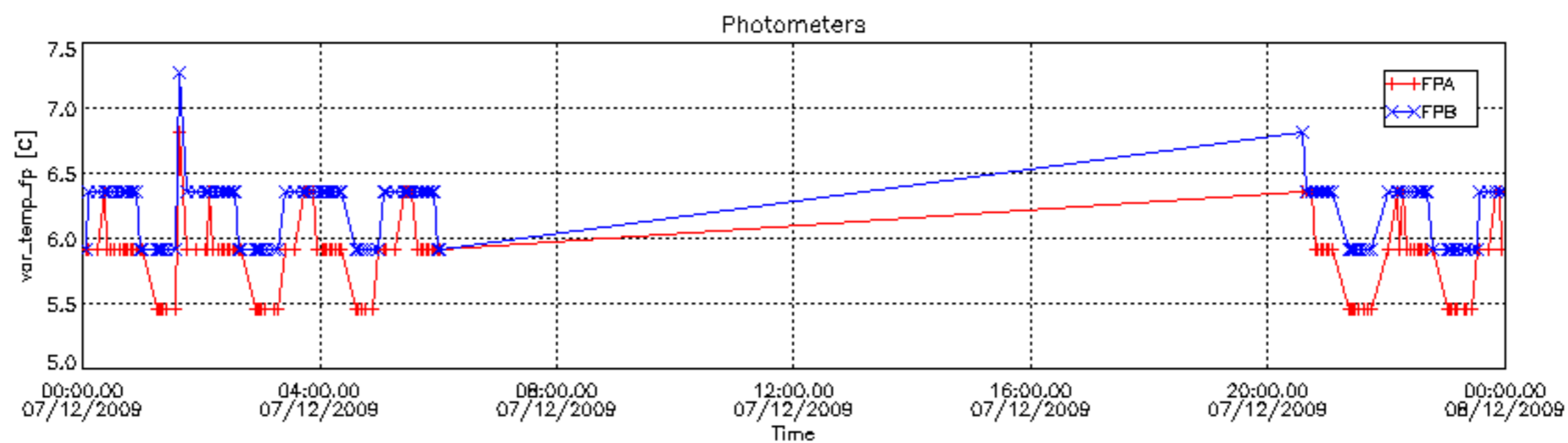
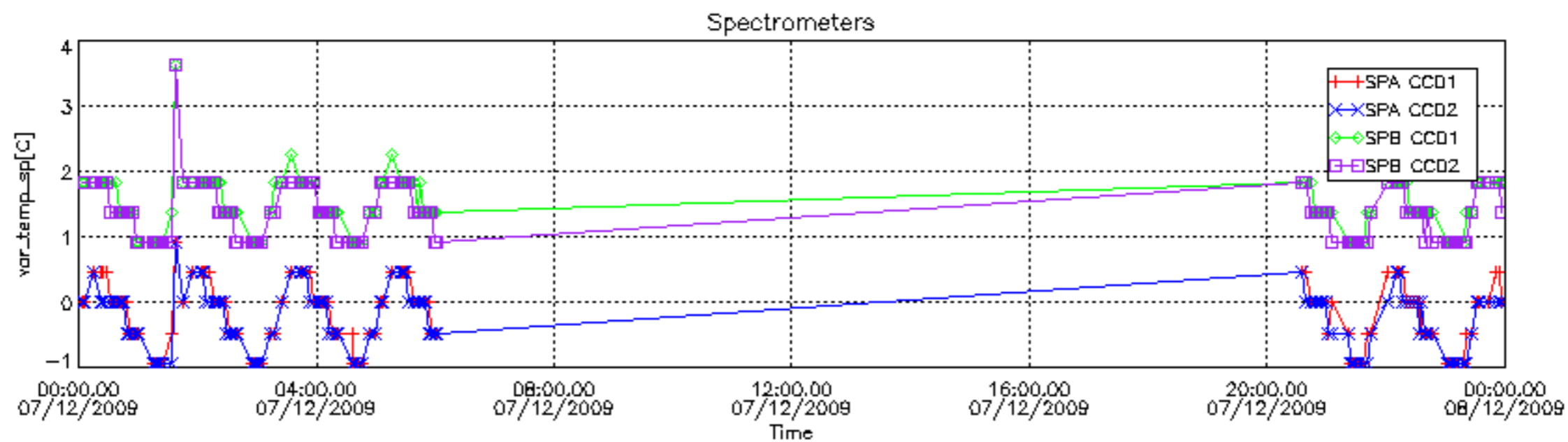


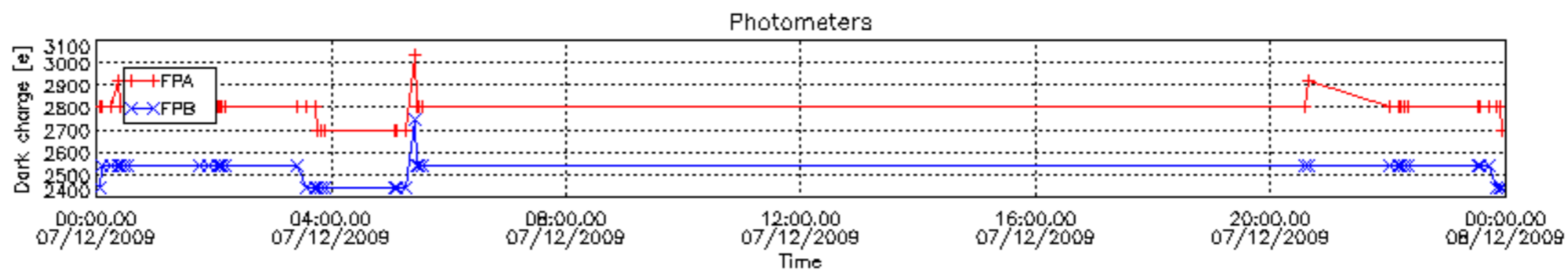
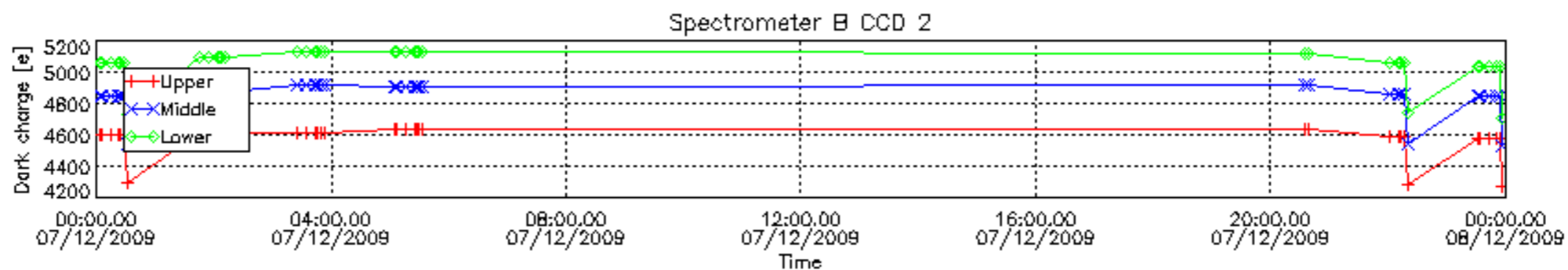
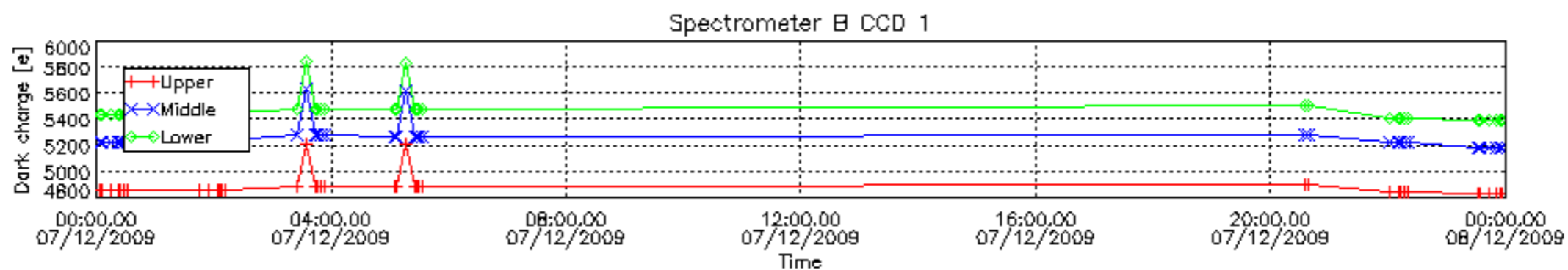
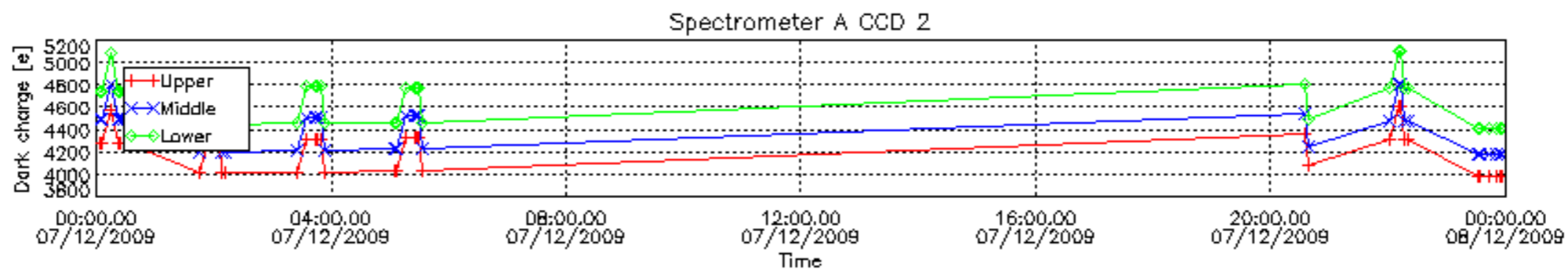
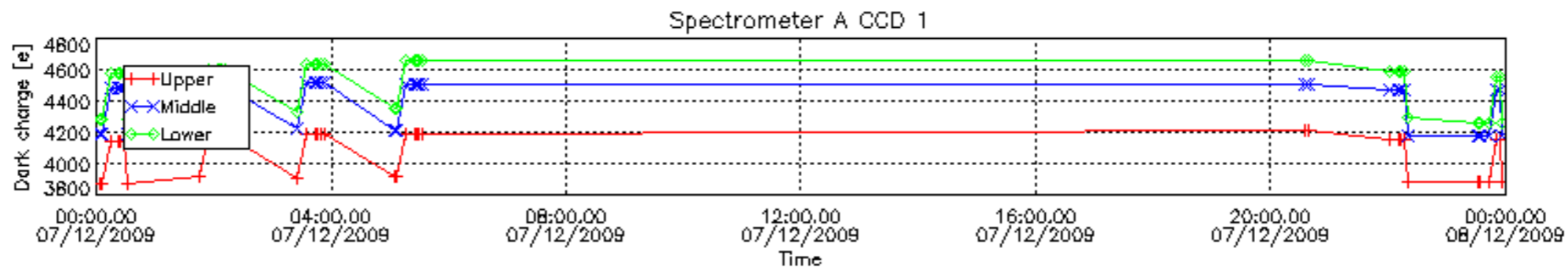
8. Auxiliary Data Files used for the production reported in section 2.4

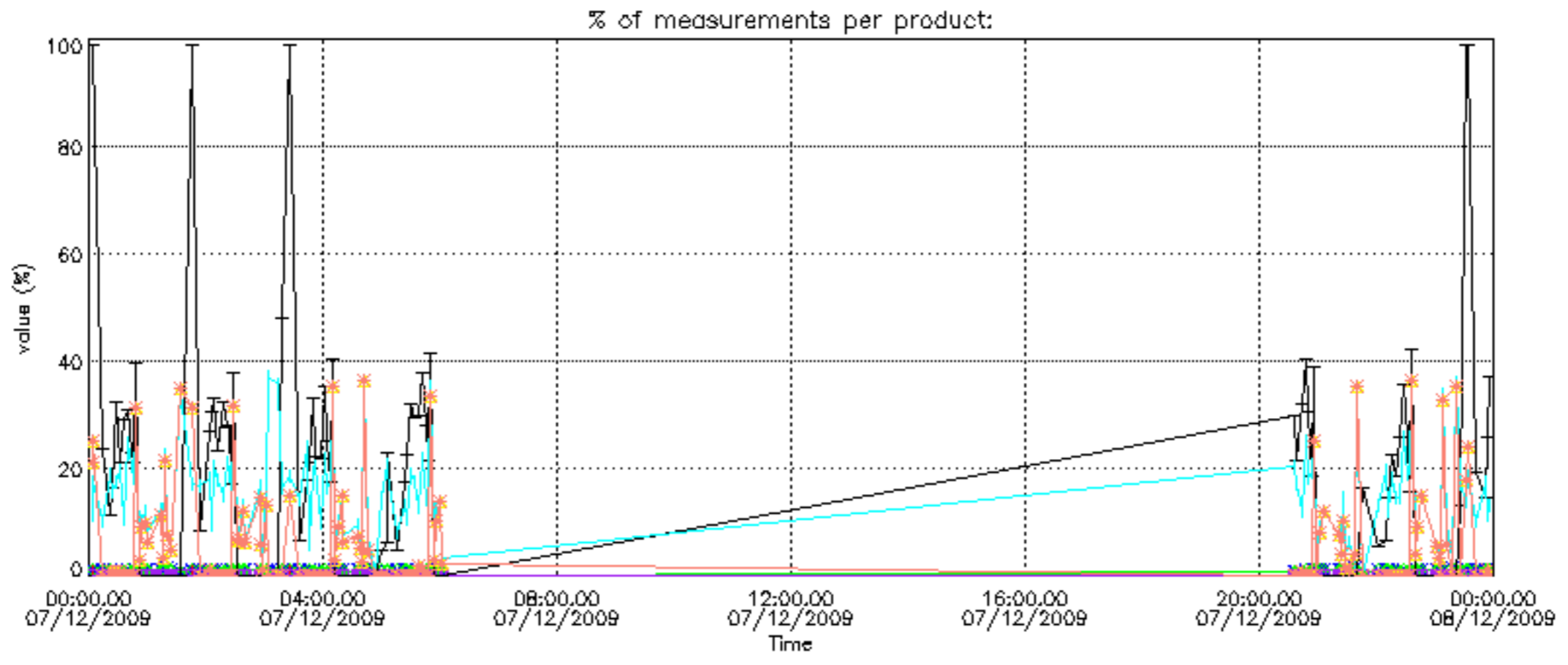
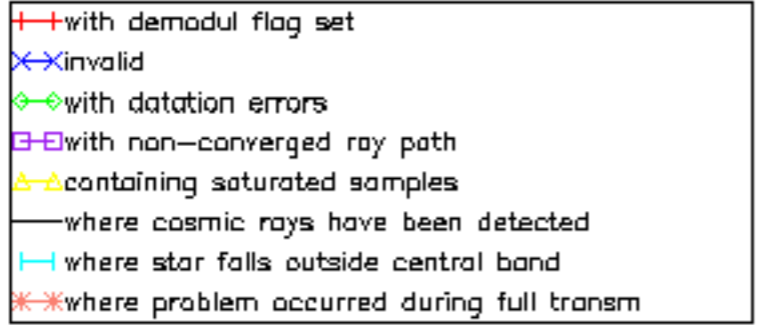
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-DEC-2009 00:03:15
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091130_103004_20091128_000000_20500101_000000	1	07-DEC-2009 00:03:15
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091207_160509_20091205_000000_20500101_000000	84	07-DEC-2009 20:35:20
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	07-DEC-2009 00:03:15
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	07-DEC-2009 00:03:15
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	07-DEC-2009 00:03:15
ECMWF_FILE	AUX_ECF_AXNECM20091206_064110_20091206_210000_20091207_090000	1	07-DEC-2009 00:03:15
ECMWF_FILE	AUX_ECF_AXNECM20091206_184111_20091207_030000_20091207_150000	61	07-DEC-2009 04:35:54
ECMWF_FILE	AUX_ECF_AXNECM20091207_064111_20091207_150000_20091208_030000	84	07-DEC-2009 20:35:20
ECMWF_FILE	AUX_ECF_AXNECM20091207_064111_20091207_210000_20091208_090000	102	07-DEC-2009 22:02:10
OPTIONAL_ECMWF_FILE	MISSING	1	07-DEC-2009 00:03:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091206_235432_000057382084_00488_40622_9309.N1	1	07-DEC-2009 00:03:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091207_013529_000044632084_00489_40623_9310.N1	23	07-DEC-2009 01:37:51
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091207_025511_000054192084_00490_40624_9311.N1	40	07-DEC-2009 02:56:52
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091207_010110_20091206_190947_20091216_203559	61	07-DEC-2009 04:35:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091207_203230_000038252084_00501_40635_9313.N1	84	07-DEC-2009 20:35:20
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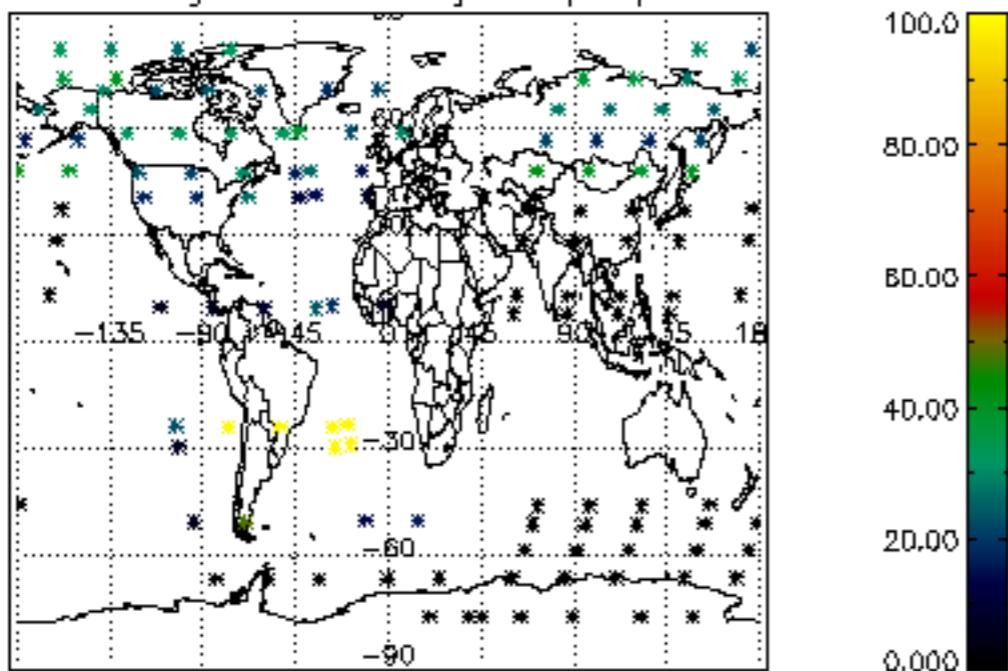




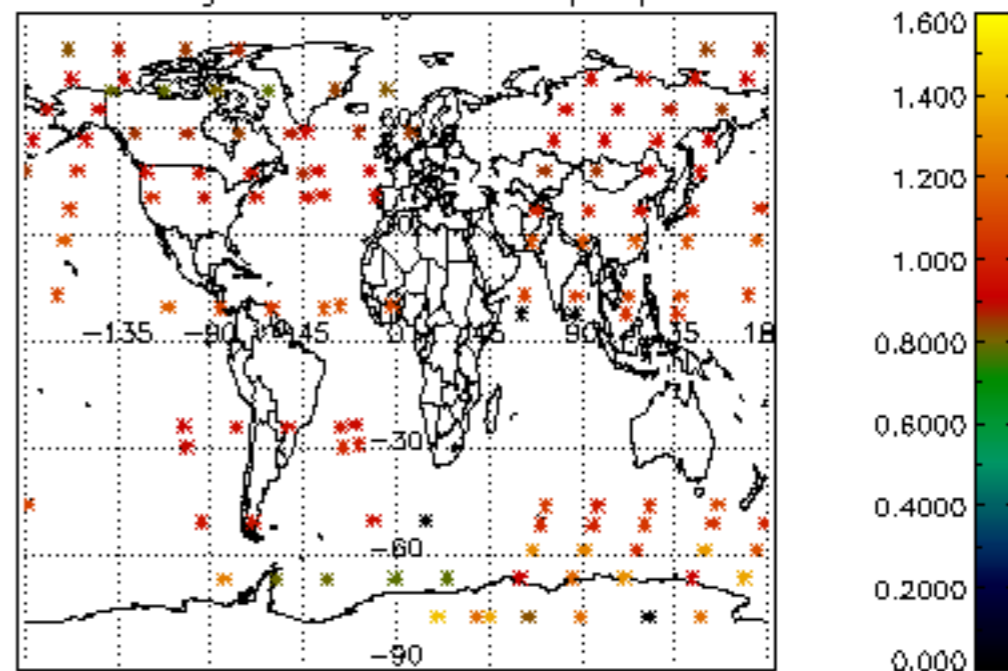




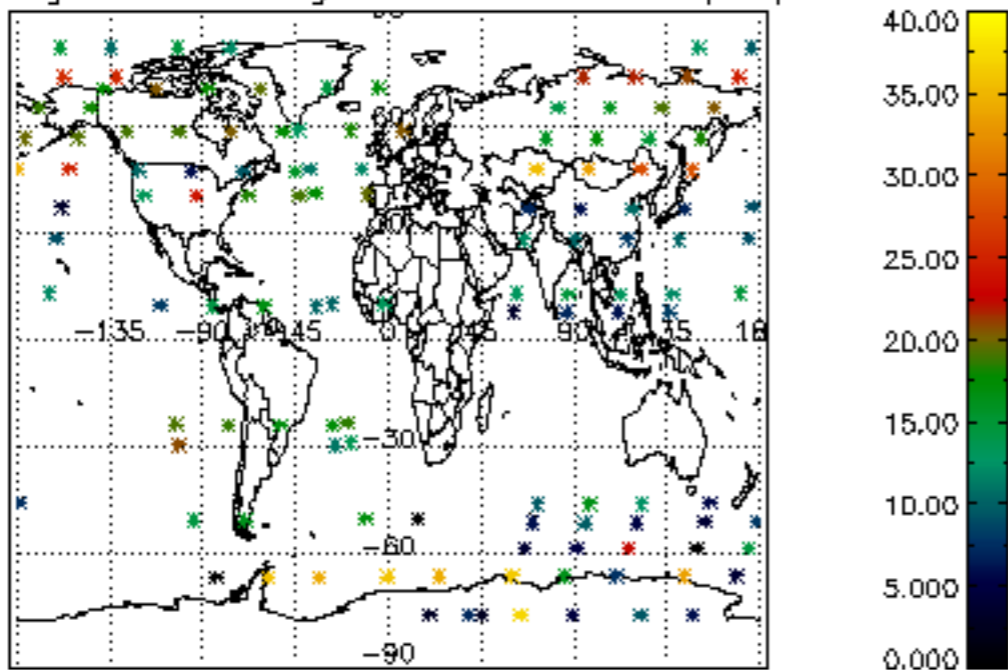
Percentage of cosmic ray hits per profile



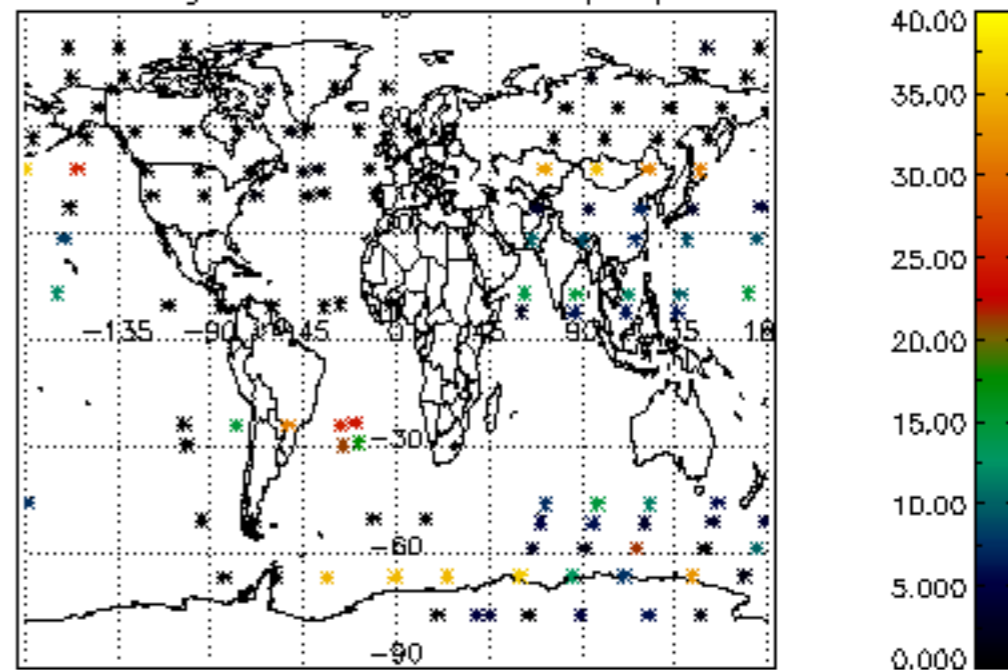
Percentage of datation errors per profile



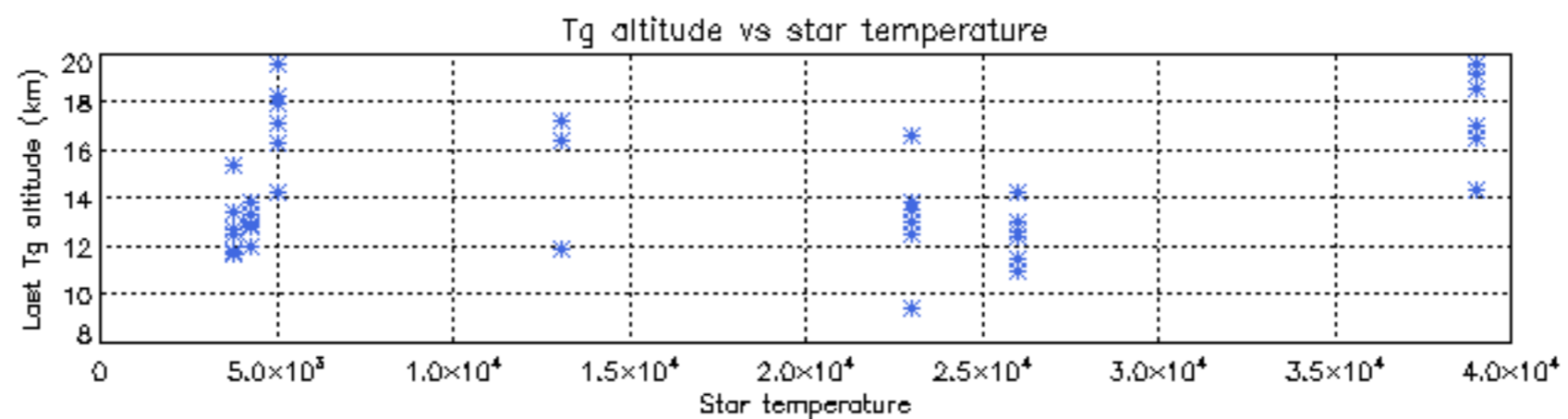
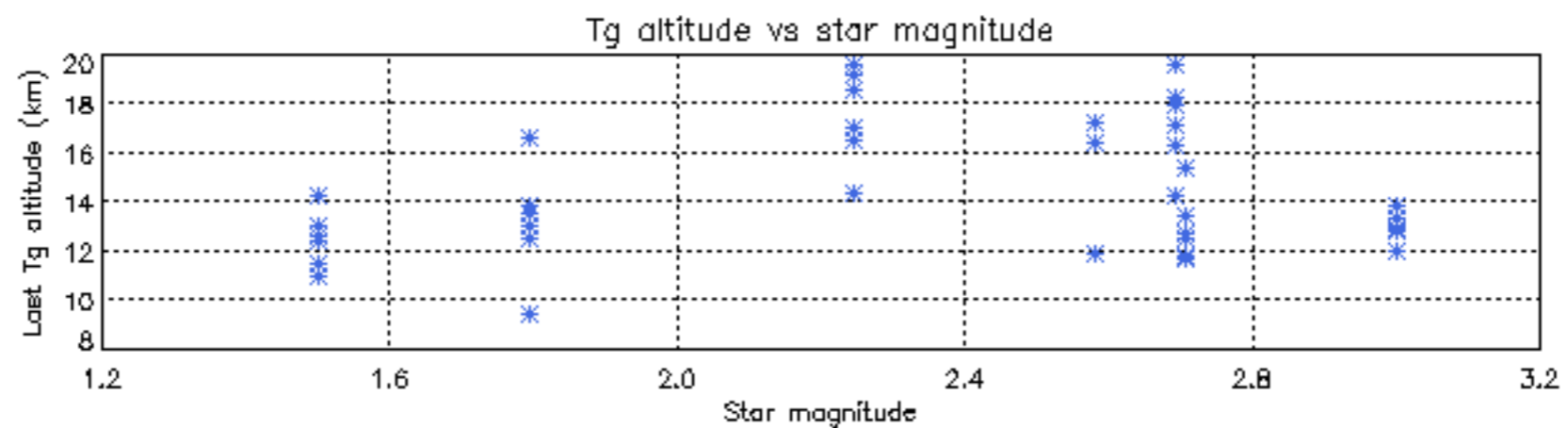
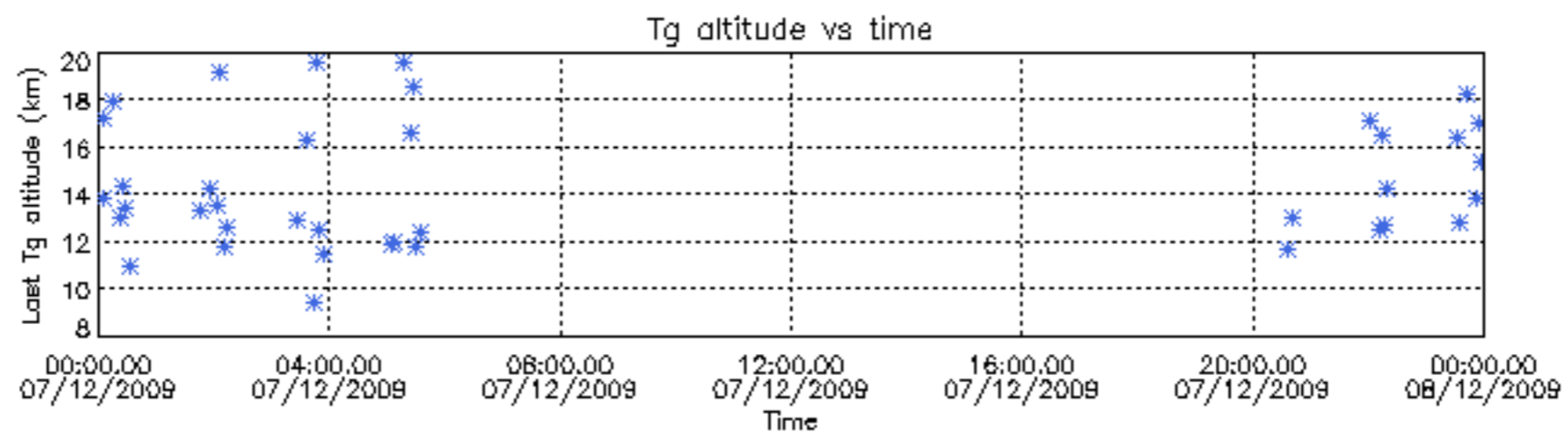
Percentage of star falling outside central band per profile



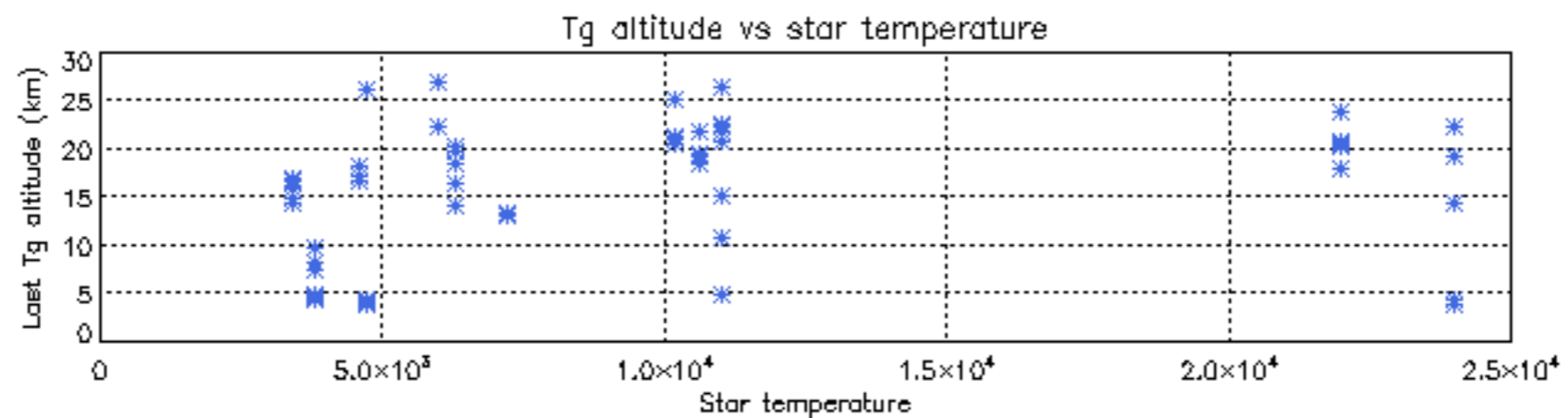
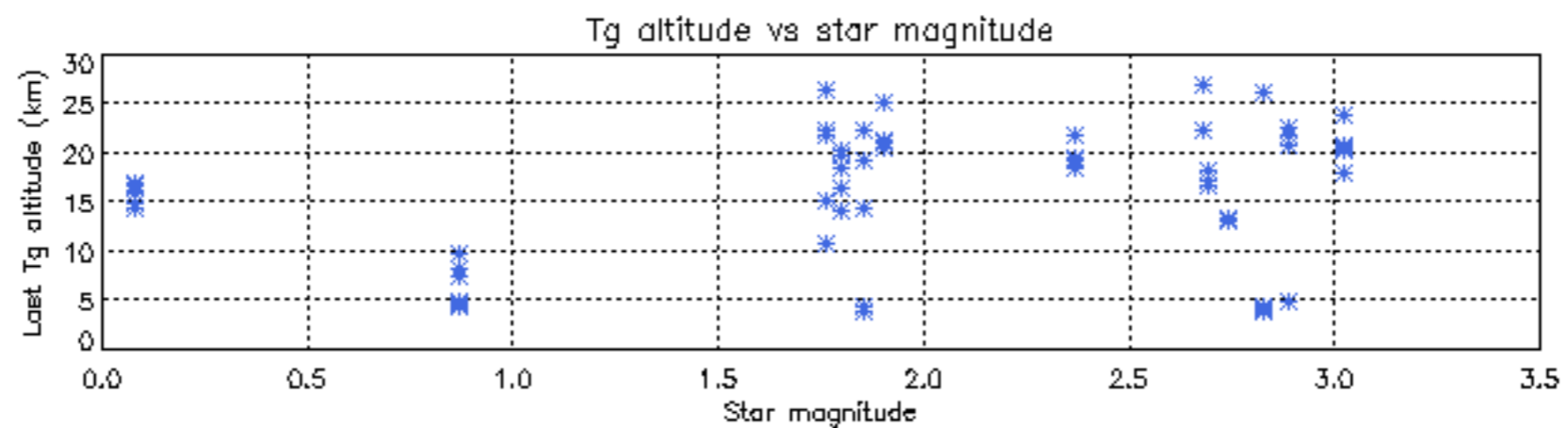
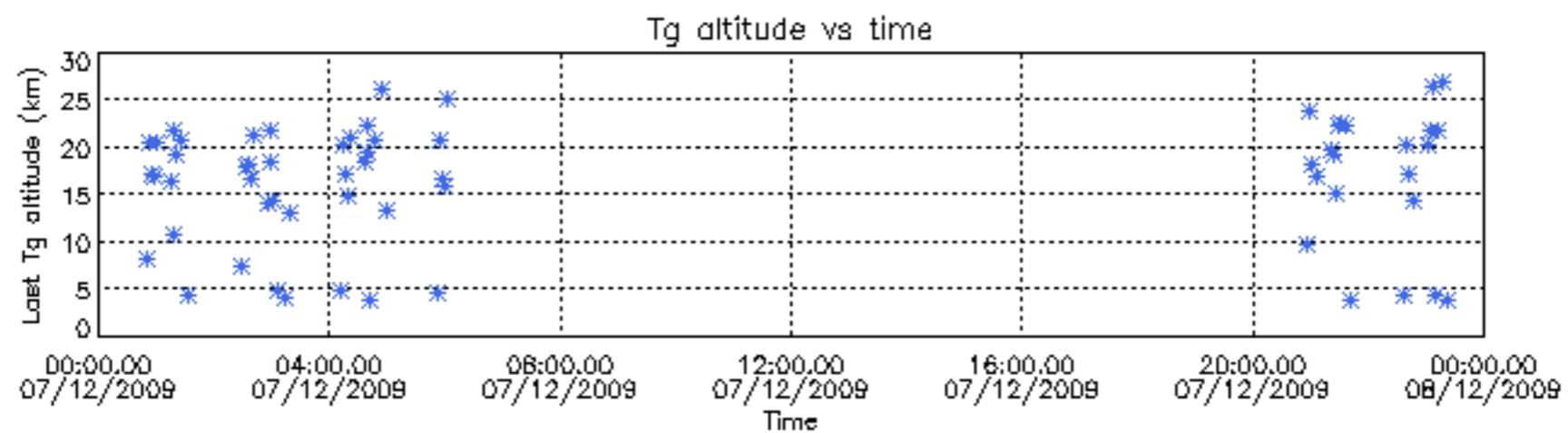
Percentage of saturation errors per profile

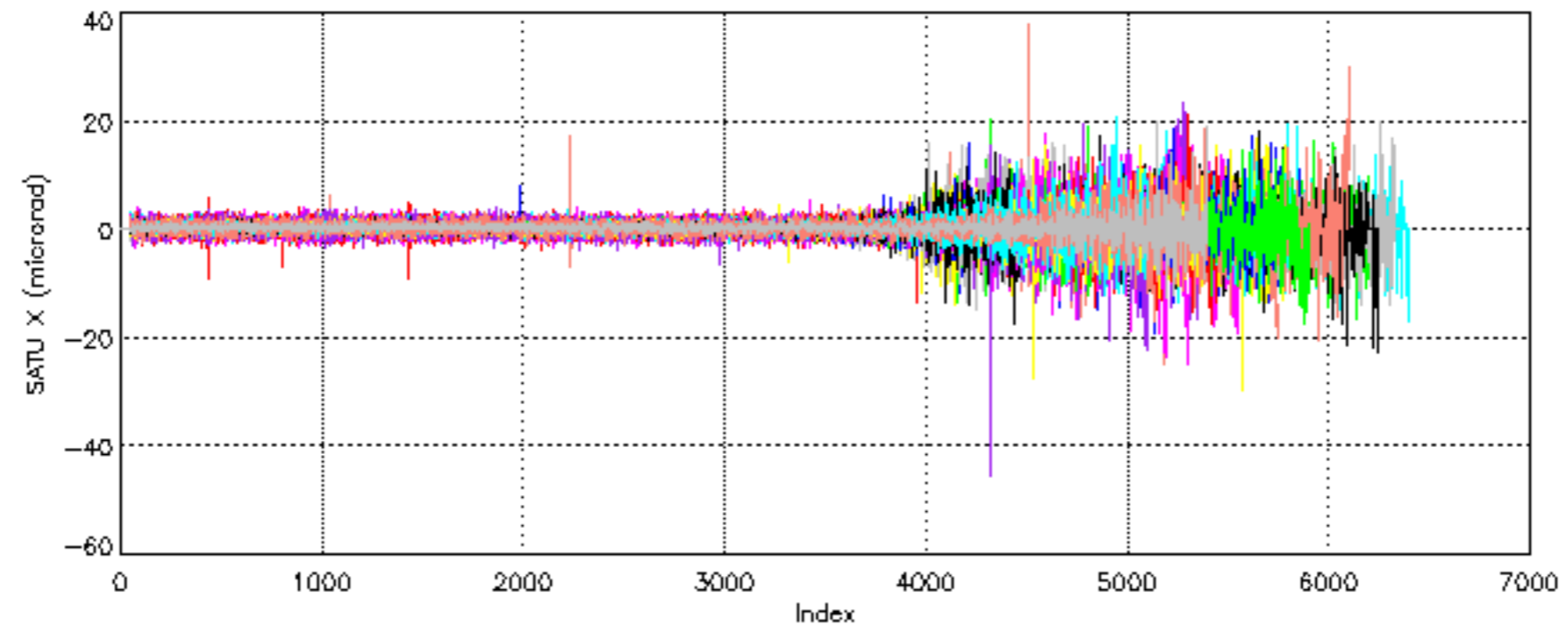


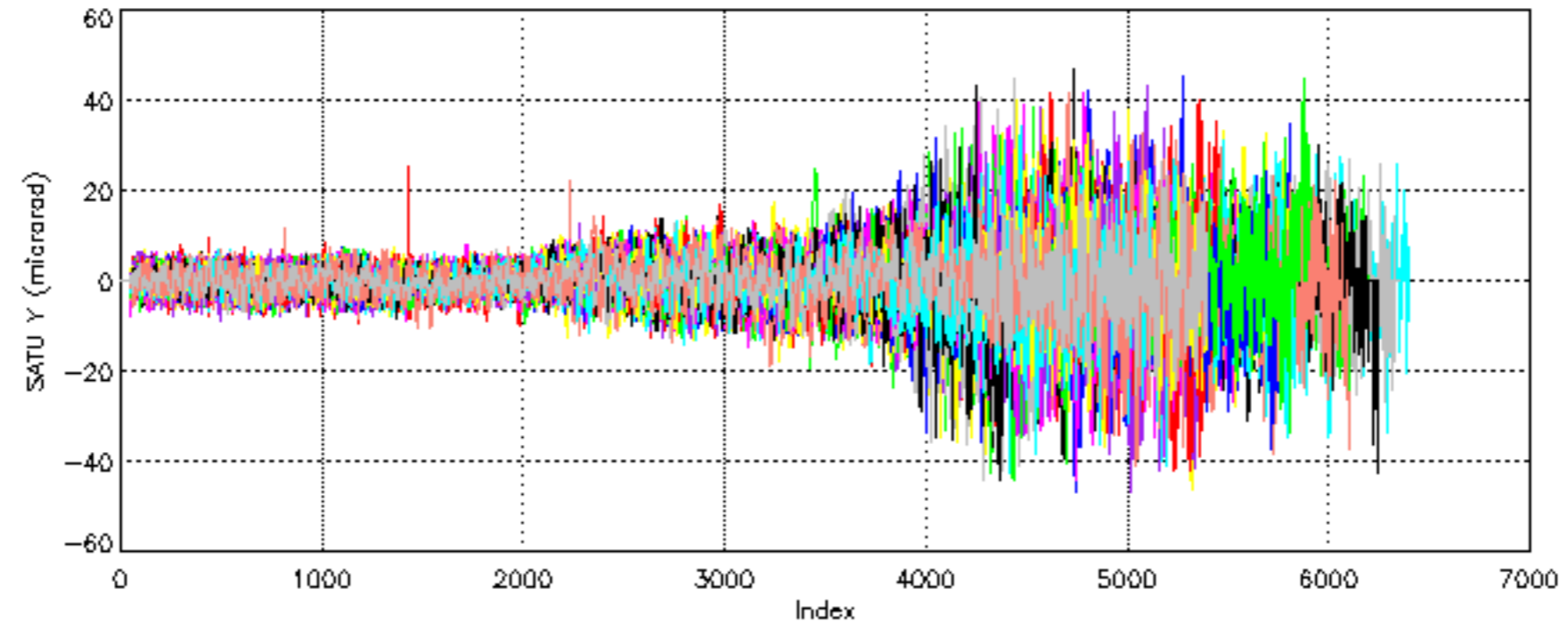
Tangent altitude at which the star is lost

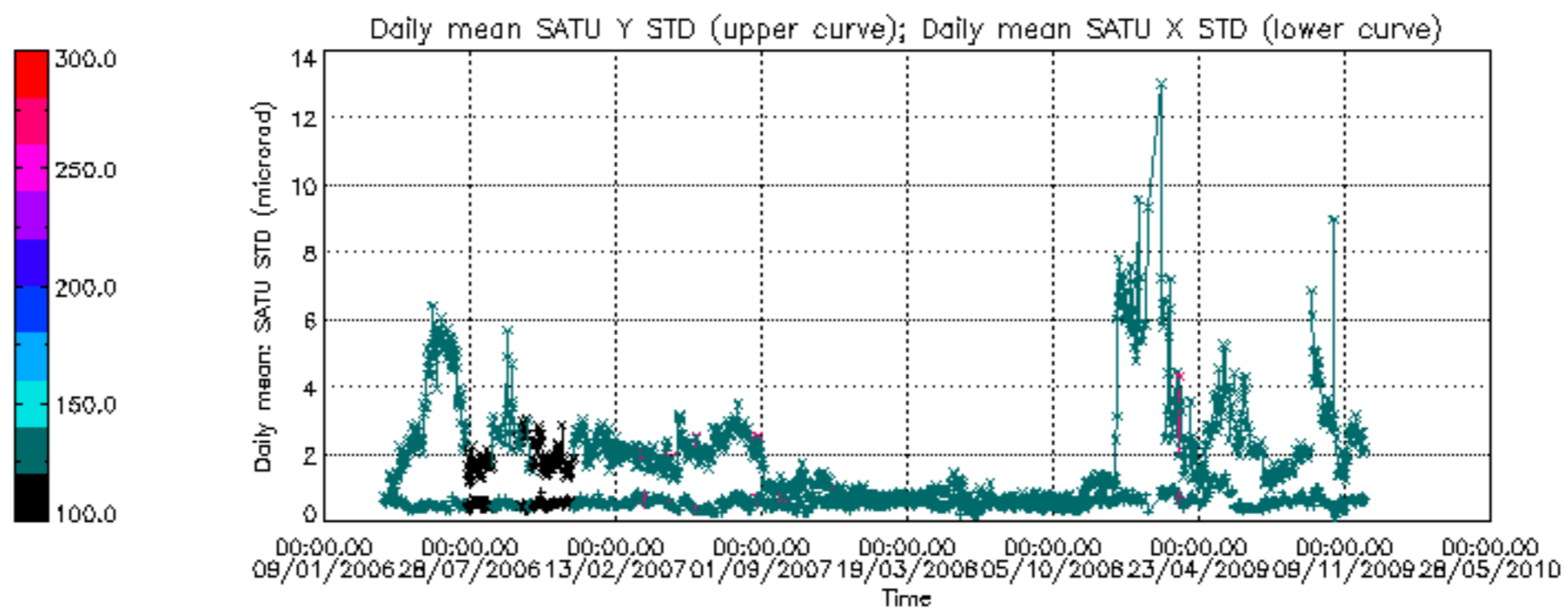


Tangent altitude at which the star is lost









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 13; 2462.2; 04-DEC-2009 00:46:52; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;40580
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 12; 4353.5; 09-DEC-2009 12:05:05; Bright; 42.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 85; 0;40658
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 8; 875.4; 11-DEC-2009 01:40:53; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;40681
 9; 1025.5; 11-DEC-2009 01:43:23; Dark ; 57.5; 117; Pi Pup ; 2.71; 3800;occ; 115; 0;40681
 10; 1231.4; 11-DEC-2009 01:46:49; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;40681
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13; 4332.0; 11-DEC-2009 14:22:41; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;40688
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 9; 2765.9; 11-DEC-2009 15:37:11; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40689
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14; 4712.0; 11-DEC-2009 16:09:37; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;40689
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22; 6250.9; 11-DEC-2009 16:35:16; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40689
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23; 2786.9; 17-DEC-2009 00:43:40; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40766
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19; 5788.6; 16-DEC-2009 08:47:42; Dark ; 53.0; 171; 2Eps Crv ; 3.00; 4250;occ; 106; 0;40756
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6; 2441.1; 17-DEC-2009 09:00:54; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40771
7; 2653.1; 17-DEC-2009 09:04:26; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;40771
8; 2784.3; 17-DEC-2009 09:06:37; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;40771
9; 3704.2; 17-DEC-2009 09:21:57; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;40771
10; 3978.3; 17-DEC-2009 09:26:31; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40771
11; 4136.4; 17-DEC-2009 09:29:09; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;40771
12; 4339.9; 17-DEC-2009 09:32:33; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40771
13; 4534.5; 17-DEC-2009 09:35:47; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;40771
14; 4736.8; 17-DEC-2009 09:39:09; Bright; 61.0; 111; 8Eta Boo ; 2.68; 6000;occ; 122; 0;40771
15; 5341.4; 17-DEC-2009 09:49:14; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40771
16; 5631.5; 17-DEC-2009 09:54:04; Dark ; 38.0; 163; 7Del Crv ; 2.94; 11000;occ; 76; 0;40771
17; 5708.4; 17-DEC-2009 09:55:21; Dark ; 51.0; 106; 9Bet Crv ; 2.65; 5600;occ; 102; 0;40771
18; 5989.4; 17-DEC-2009 10:00:02; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40771
19; 6088.6; 17-DEC-2009 10:01:41; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;40771
20; 6323.4; 17-DEC-2009 10:05:36; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40771
21; 6545.1; 17-DEC-2009 10:09:18; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40771
22; 6629.7; 17-DEC-2009 10:10:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40771
23; 6826.8; 17-DEC-2009 10:13:59; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40771
24; 6955.4; 17-DEC-2009 10:16:08; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40771
25; 7115.1; 17-DEC-2009 10:18:48; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;40771
26; 7307.6; 17-DEC-2009 10:22:00; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40771
27; 7414.1; 17-DEC-2009 10:23:47; Dark ; 45.0; 179; 24Omi2CMa ; 3.03; 24000;occ; 90; 0;40771
28; 7576.2; 17-DEC-2009 10:26:29; Dark ; 50.0; 47; 2Bet CMa ; 1.98; 28000;occ; 100; 0;40771

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3; 2068.3; 17-DEC-2009 10:35:17; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;40772
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5; 2317.1; 17-DEC-2009 10:39:26; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40772
6; 2440.6; 17-DEC-2009 10:41:29; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40772
7; 2652.3; 17-DEC-2009 10:45:01; Bright; 65.0; 107; 37The Aur ; 2.65; 11000;occ; 130; 0;40772
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9; 3704.1; 17-DEC-2009 11:02:33; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;40772
10; 3978.0; 17-DEC-2009 11:07:06; Bright; 61.0; 32; 77Eps UMa ; 1.76; 11000;occ; 122; 0;40772

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 13; 4534.5; 17-DEC-2009 11:16:23; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;40772
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 15; 5342.2; 17-DEC-2009 11:29:51; Dark ; 53.5; 15; 67Alp Vir ; 0.98; 28000;occ; 107; 0;40772
 16; 5632.8; 17-DEC-2009 11:34:41; Dark ; 31.0; 163; 7Del Crv ; 2.94; 11000;occ; 62; 0;40772
 17; 5709.5; 17-DEC-2009 11:35:58; Dark ; 55.5; 106; 9Bet Crv ; 2.65; 5600;occ; 111; 0;40772
 18; 5990.0; 17-DEC-2009 11:40:38; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;40772
 19; 6089.3; 17-DEC-2009 11:42:18; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;40772
 20; 6324.2; 17-DEC-2009 11:46:13; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40772
 21; 6545.8; 17-DEC-2009 11:49:54; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40772
 22; 6630.4; 17-DEC-2009 11:51:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40772
 23; 6827.3; 17-DEC-2009 11:54:36; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40772
 24; 6955.9; 17-DEC-2009 11:56:44; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;40772
 25; 7115.6; 17-DEC-2009 11:59:24; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40772
 26; 7308.0; 17-DEC-2009 12:02:36; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40772
 27; 7414.2; 17-DEC-2009 12:04:23; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;40772
 28; 7576.4; 17-DEC-2009 12:07:05; Dark ; 48.5; 47; 2Bet CMa ; 1.98; 28000;occ; 97; 0;40772

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 3; 1883.5; 17-DEC-2009 12:12:48; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40773
 4; 2067.9; 17-DEC-2009 12:15:52; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;40773
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 7; 2440.2; 17-DEC-2009 12:22:05; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40773
 8; 2651.9; 17-DEC-2009 12:25:36; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40773
 9; 2783.2; 17-DEC-2009 12:27:48; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;40773
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 11; 3977.8; 17-DEC-2009 12:47:42; Bright; 43.0; 32; 77Eps UMA ; 1.76; 11000;occ; 86; 0;40773
 12; 4136.4; 17-DEC-2009 12:50:21; Bright; 58.0; 39; 85Eta UMA ; 1.85; 24000;occ; 116; 0;40773
 13; 4534.7; 17-DEC-2009 12:56:59; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;40773
 14; 4737.5; 17-DEC-2009 13:00:22; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;40773
 15; 5343.1; 17-DEC-2009 13:10:27; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40773
 16; 5634.0; 17-DEC-2009 13:15:18; Dark ; 31.0; 163; 7Del Crv ; 2.94; 11000;occ; 62; 0;40773
 17; 5710.7; 17-DEC-2009 13:16:35; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;40773
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 21; 6546.4; 17-DEC-2009 13:30:31; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40773
 22; 6631.2; 17-DEC-2009 13:31:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40773
 23; 6828.1; 17-DEC-2009 13:35:13; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;40773
 24; 6956.9; 17-DEC-2009 13:37:21; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40773
 25; 7116.2; 17-DEC-2009 13:40:01; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;40773
 26; 7308.5; 17-DEC-2009 13:43:13; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40773
 27; 7414.8; 17-DEC-2009 13:44:59; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40773

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 3; 1883.2; 17-DEC-2009 13:53:23; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;40774
 4; 2067.5; 17-DEC-2009 13:56:28; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40774
 5; 2189.3; 17-DEC-2009 13:58:30; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40774
 6; 2316.4; 17-DEC-2009 14:00:37; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;40774
 7; 2440.1; 17-DEC-2009 14:02:40; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40774
 8; 2651.5; 17-DEC-2009 14:06:12; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40774
 9; 2782.5; 17-DEC-2009 14:08:23; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40774
 10; 3704.2; 17-DEC-2009 14:23:44; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40774
 11; 3977.7; 17-DEC-2009 14:28:18; Bright; 42.0; 32; 77Eps UMA ; 1.76; 11000;occ; 84; 0;40774
 12; 4136.1; 17-DEC-2009 14:30:56; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;40774
 13; 4340.1; 17-DEC-2009 14:34:20; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;40774
 14; 4535.1; 17-DEC-2009 14:37:35; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40774
 15; 4738.0; 17-DEC-2009 14:40:58; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;40774
 16; 5343.8; 17-DEC-2009 14:51:04; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40774
 17; 5554.5; 17-DEC-2009 14:54:35; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;40774
 18; 5711.8; 17-DEC-2009 14:57:12; Dark ; 51.5; 106; 9Bet Crv ; 2.65; 5600;occ; 103; 0;40774
 19; 5991.4; 17-DEC-2009 15:01:52; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40774
 20; 6090.7; 17-DEC-2009 15:03:31; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40774
 21; 6326.1; 17-DEC-2009 15:07:26; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40774

22; 6547.2; 17-DEC-2009 15:11:07; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40774
 23; 6632.0; 17-DEC-2009 15:12:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40774
 24; 6828.8; 17-DEC-2009 15:15:49; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40774
 25; 6957.5; 17-DEC-2009 15:17:58; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40774
 26; 7116.7; 17-DEC-2009 15:20:37; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40774
 27; 7309.0; 17-DEC-2009 15:23:49; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;40774
 28; 7415.0; 17-DEC-2009 15:25:35; Dark ; 10.5; 179; 240mi2CMA ; 3.03; 24000;occ; 21; 0;40774

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 3; 1751.0; 17-DEC-2009 15:31:47; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;40775
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 7; 2316.0; 17-DEC-2009 15:41:12; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40775
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 11; 3704.2; 17-DEC-2009 16:04:20; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;40775
 12; 3977.4; 17-DEC-2009 16:08:54; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40775
 13; 4136.1; 17-DEC-2009 16:11:32; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40775
 14; 4340.5; 17-DEC-2009 16:14:57; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40775
 15; 4535.1; 17-DEC-2009 16:18:11; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40775
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 17; 5344.7; 17-DEC-2009 16:31:41; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40775
 18; 5555.2; 17-DEC-2009 16:35:11; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;40775
 19; 5712.9; 17-DEC-2009 16:37:49; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40775
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 21; 6091.6; 17-DEC-2009 16:44:08; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40775
 22; 6327.1; 17-DEC-2009 16:48:03; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;40775
 23; 6547.7; 17-DEC-2009 16:51:44; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;40775
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 26; 6958.2; 17-DEC-2009 16:58:34; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;40775
 27; 7117.5; 17-DEC-2009 17:01:14; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;40775

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 3; 1557.5; 17-DEC-2009 17:09:10; Dark ; 27.0; 1; 9Alp CMA ; -1.44; 11000;occ; 54; 0;40776
 4; 1751.1; 17-DEC-2009 17:12:23; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;40776
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 9; 2439.2; 17-DEC-2009 17:23:51; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40776
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 11; 2781.4; 17-DEC-2009 17:29:34; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40776
 12; 3704.1; 17-DEC-2009 17:44:56; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;40776
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 15; 4340.5; 17-DEC-2009 17:55:33; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40776
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 17; 4738.4; 17-DEC-2009 18:02:11; Bright; 41.5; 111; 8Eta Boo ; 2.68; 6000;occ; 83; 0;40776
 18; 5345.4; 17-DEC-2009 18:12:18; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40776
 19; 5556.2; 17-DEC-2009 18:15:48; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;40776
 20; 5714.2; 17-DEC-2009 18:18:26; Dark ; 51.5; 106; 9Bet Crv ; 2.65; 5600;occ; 103; 0;40776
 21; 5992.9; 17-DEC-2009 18:23:05; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40776
 22; 6092.2; 17-DEC-2009 18:24:44; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40776
 23; 6327.9; 17-DEC-2009 18:28:40; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40776
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 25; 6633.5; 17-DEC-2009 18:33:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40776
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 27; 6959.2; 17-DEC-2009 18:39:11; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40776

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 22; 6555.5; 18-DEC-2009 14:39:39; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40788
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 27; 7314.3; 18-DEC-2009 14:52:18; Dark ; 51.5; 23; 21Eps CMa ; 1.50; 26000;occ; 103; 0;40788
 28; 7419.3; 18-DEC-2009 14:54:03; Dark ; 52.0; 179; 240mi2CMa ; 3.03; 24000;occ; 104; 0;40788

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 18; 5566.4; 18-DEC-2009 16:03:46; Dark ; 50.0; 169; 46Gam Hya ; 2.99; 4700;occ; 100; 0;40789
 19; 5729.3; 18-DEC-2009 16:06:29; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40789
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 22; 6339.6; 18-DEC-2009 16:16:39; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40789
 23; 6556.2; 18-DEC-2009 16:20:16; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40789
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 26; 6968.4; 18-DEC-2009 16:27:08; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40789
 27; 7125.0; 18-DEC-2009 16:29:44; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40789
 28; 7314.8; 18-DEC-2009 16:32:54; Dark ; 47.5; 23; 21Eps CMa ; 1.50; 26000;occ; 95; 0;40789

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 6; 2062.8; 18-DEC-2009 16:45:58; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;40790
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 9; 2434.3; 18-DEC-2009 16:52:10; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40790
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 13; 3973.7; 18-DEC-2009 17:17:49; Bright; 63.0; 32; 77Eps UMa ; 1.76; 11000;occ; 126; 0;40790
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 15; 4341.5; 18-DEC-2009 17:23:57; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;40790
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 9; 2310.3; 18-DEC-2009 18:30:42; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40791
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 11; 2642.0; 18-DEC-2009 18:36:13; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40791
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 13; 3703.5; 18-DEC-2009 18:53:55; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40791
 14; 3973.5; 18-DEC-2009 18:58:25; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40791
 15; 4134.7; 18-DEC-2009 19:01:06; Bright; 52.0; 39; 85Eta UMa ; 1.85; 24000;occ; 104; 0;40791
 16; 4341.6; 18-DEC-2009 19:04:33; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40791
 17; 4537.8; 18-DEC-2009 19:07:49; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;40791
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 21; 5731.7; 18-DEC-2009 19:27:43; Dark ; 53.0; 106; 9Bet Crv ; 2.65; 5600;occ; 106; 0;40791
 22; 6002.4; 18-DEC-2009 19:32:14; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;40791
 23; 6102.9; 18-DEC-2009 19:33:54; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40791
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 3; -300.9; 19-DEC-2009 00:29:34; Dark ; 64.0; 106; 9Bet Crv ; 2.65; 5600;occ; 128; 0;40794
 4; -31.6; 19-DEC-2009 00:34:03; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40794
 5; 69.1; 19-DEC-2009 00:35:44; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;40795
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 10; 935.6; 19-DEC-2009 00:50:11; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40795
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 12; 1280.7; 19-DEC-2009 00:55:56; Dark ; 50.0; 23; 21Eps CMa ; 1.50; 26000;occ; 100; 0;40795
 13; 1385.0; 19-DEC-2009 00:57:40; Dark ; 53.5; 179; 240mi2CMa ; 3.03; 24000;occ; 107; 0;40795
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 22; 2727.1; 19-DEC-2009 01:20:02; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40795
 23; 3703.2; 19-DEC-2009 01:36:18; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40795
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 25; 4134.4; 19-DEC-2009 01:43:29; Bright; 53.5; 39; 85Eta UMa ; 1.85; 24000;occ; 107; 0;40795
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 8; 611.3; 19-DEC-2009 02:25:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40796
 9; 807.0; 19-DEC-2009 02:28:38; Dark ; 51.0; 34; Gam2Vel ; 1.79; 23000;occ; 102; 0;40796
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13; 4342.3; 19-DEC-2009 11:50:33; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;40801
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13; 4342.7; 19-DEC-2009 15:11:45; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;40803
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13; 3701.8; 21-DEC-2009 18:59:38; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40834

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 23; 3701.5; 22-DEC-2009 01:42:02; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;40838
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13; 4547.5; 22-DEC-2009 13:40:19; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40845
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7; 1757.0; 23-DEC-2009 20:45:12; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;40864
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9; 2046.2; 23-DEC-2009 20:50:01; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;40864
10; 2289.3; 23-DEC-2009 20:54:04; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;40864

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 13; 2709.7; 23-DEC-2009 21:01:04; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40864
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 18; 4551.4; 23-DEC-2009 21:31:46; Bright; 57.0; 83; ; 2.38; 11000;occ; 114; 0;40864
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 23; 4127.5; 24-DEC-2009 00:45:54; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40866
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 3; -1907.2; 23-DEC-2009 06:19:20; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;40855
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 26; 7177.8; 26-DEC-2009 13:58:18; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;40902
 27; 7354.0; 26-DEC-2009 14:01:14; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;40902
 28; 7451.0; 26-DEC-2009 14:02:51; Dark ; 46.0; 179; 240mi2CMA ; 3.03; 24000;occ; 92; 0;40902

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 12; 4122.5; 26-DEC-2009 14:47:58; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40903
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 22; 6443.2; 26-DEC-2009 15:26:39; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40903
 23; 6623.6; 26-DEC-2009 15:29:39; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40903
 24; 6725.9; 26-DEC-2009 15:31:22; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;40903
 25; 6910.3; 26-DEC-2009 15:34:26; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40903
 26; 7042.0; 26-DEC-2009 15:36:38; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40903
 27; 7178.2; 26-DEC-2009 15:38:54; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40903
 28; 7354.5; 26-DEC-2009 15:41:50; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;40903
 29; 7451.1; 26-DEC-2009 15:43:27; Dark ; 1.0; 179; 240mi2CMA ; 3.03; 24000;occ; 2; 0;40903

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 5; 2040.1; 26-DEC-2009 15:53:52; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40904
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 17; 5464.8; 26-DEC-2009 16:50:57; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;40904
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 21; 6176.6; 26-DEC-2009 17:02:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40904
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 23; 6624.2; 26-DEC-2009 17:10:16; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40904
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 27; 7178.7; 26-DEC-2009 17:19:30; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;40904

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2;	1318.8;	26-DEC-2009	17:22:27;	Dark	;	48.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	96;	0;	40905
3;	1415.5;	26-DEC-2009	17:24:03;	Dark	;	47.5;	179;	240mi2CMa	;	3.03;	24000;	occ;	95;	0;	40905
4;	1572.6;	26-DEC-2009	17:26:40;	Dark	;	53.5;	1;	9Alp CMa	;	-1.44;	11000;	occ;	107;	0;	40905
5;	1724.8;	26-DEC-2009	17:29:13;	Dark	;	43.5;	56;	53Kap Ori	;	2.07;	30000;	occ;	87;	0;	40905
6;	1878.8;	26-DEC-2009	17:31:47;	Dark	;	45.0;	30;	46Eps Ori	;	1.69;	30000;	occ;	90;	0;	40905
7;	2040.0;	26-DEC-2009	17:34:28;	Dark	;	49.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	99;	0;	40905
8;	2260.4;	26-DEC-2009	17:38:08;	Dark	;	52.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	105;	0;	40905
9;	2406.5;	26-DEC-2009	17:40:34;	Bright;		40.0;	28;	12Bet Tau	;	1.65;	15200;	occ;	80;	0;	40905
10;	2590.4;	26-DEC-2009	17:43:38;	Bright;		41.0;	107;	37The Aur	;	2.65;	11000;	occ;	82;	0;	40905
11;	2701.9;	26-DEC-2009	17:45:30;	Bright;		41.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	83;	0;	40905
12;	3644.3;	26-DEC-2009	18:01:12;	Bright;		48.0;	36;	50Alp UMa	;	1.80;	6300;	occ;	96;	0;	40905
13;	3940.1;	26-DEC-2009	18:06:08;	Bright;		43.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	86;	0;	40905
14;	4122.1;	26-DEC-2009	18:09:10;	Bright;		46.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	92;	0;	40905
15;	4349.5;	26-DEC-2009	18:12:57;	Bright;		59.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	118;	0;	40905
16;	4559.1;	26-DEC-2009	18:16:27;	Bright;		40.0;	83;		;	2.38;	11000;	occ;	80;	0;	40905
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19;	5465.9;	26-DEC-2009	18:31:34;	Dark	;	58.5;	15;	67Alp Vir	;	0.98;	28000;	occ;	117;	0;	40905
20;	5716.7;	26-DEC-2009	18:35:45;	Dark	;	45.0;	54;	5The Cen	;	2.06;	4500;	occ;	90;	0;	40905
21;	5843.1;	26-DEC-2009	18:37:51;	Dark	;	42.5;	123;	Iot Cen	;	2.75;	10200;	occ;	85;	0;	40905
22;	6083.4;	26-DEC-2009	18:41:51;	Dark	;	46.5;	64;	Gam Cen	;	2.20;	10600;	occ;	93;	0;	40905
23;	6177.5;	26-DEC-2009	18:43:25;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40905
24;	6444.9;	26-DEC-2009	18:47:53;	Dark	;	47.5;	113;	Mu Vel	;	2.69;	5000;	occ;	95;	0;	40905
25;	6624.8;	26-DEC-2009	18:50:53;	Dark	;	47.0;	71;	Iot Car	;	2.25;	7700;	occ;	94;	0;	40905
26;	6726.9;	26-DEC-2009	18:52:35;	Dark	;	52.5;	41;	Eps Car	;	1.86;	4100;	occ;	105;	0;	40905
27;	6911.5;	26-DEC-2009	18:55:39;	Dark	;	47.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	94;	0;	40905
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3;	1319.0;	26-DEC-2009	19:03:03;	Dark	;	48.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	96;	0;	40906
4;	1415.9;	26-DEC-2009	19:04:40;	Dark	;	46.5;	179;	240mi2CMa	;	3.03;	24000;	occ;	93;	0;	40906
5;	1572.6;	26-DEC-2009	19:07:16;	Dark	;	52.5;	1;	9Alp CMa	;	-1.44;	11000;	occ;	105;	0;	40906
6;	1724.9;	26-DEC-2009	19:09:49;	Dark	;	45.0;	56;	53Kap Ori	;	2.07;	30000;	occ;	90;	0;	40906
7;	1878.8;	26-DEC-2009	19:12:23;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	89;	0;	40906
8;	2039.8;	26-DEC-2009	19:15:04;	Dark	;	51.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	103;	0;	40906
9;	2259.7;	26-DEC-2009	19:18:44;	Dark	;	63.0;	44;	24Gam Gem	;	1.93;	11000;	occ;	126;	0;	40906
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11;	2590.0;	26-DEC-2009	19:24:14;	Bright;		40.0;	107;	37The Aur	;	2.65;	11000;	occ;	80;	0;	40906
12;	2701.7;	26-DEC-2009	19:26:06;	Bright;		43.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	87;	0;	40906
13;	3643.7;	26-DEC-2009	19:41:48;	Bright;		46.0;	36;	50Alp UMa	;	1.80;	6300;	occ;	92;	0;	40906
14;	3939.5;	26-DEC-2009	19:46:43;	Bright;		47.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	94;	0;	40906
15;	4121.9;	26-DEC-2009	19:49:46;	Bright;		41.5;	39;	85Eta UMa	;	1.85;	24000;	occ;	83;	0;	40906
16;	4349.6;	26-DEC-2009	19:53:33;	Bright;		41.5;	180;	27Gam Boo	;	3.04;	8000;	occ;	83;	0;	40906
17;	4559.5;	26-DEC-2009	19:57:03;	Bright;		39.0;	83;		;	2.38;	11000;	occ;	78;	0;	40906
18;	4788.4;	26-DEC-2009	20:00:52;	Bright;		70.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	140;	0;	40906
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20;	5467.1;	26-DEC-2009	20:12:11;	Dark	;	59.0;	15;	67Alp Vir	;	0.98;	28000;	occ;	118;	0;	40906
21;	5717.3;	26-DEC-2009	20:16:21;	Dark	;	44.5;	54;	5The Cen	;	2.06;	4500;	occ;	89;	0;	40906
22;	5843.9;	26-DEC-2009	20:18:28;	Dark	;	46.0;	123;	Iot Cen	;	2.75;	10200;	occ;	92;	0;	40906
23;	6084.1;	26-DEC-2009	20:22:28;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;	occ;	89;	0;	40906
24;	6178.3;	26-DEC-2009	20:24:02;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40906
25;	6445.7;	26-DEC-2009	20:28:30;	Dark	;	46.0;	113;	Mu Vel	;	2.69;	5000;	occ;	92;	0;	40906
26;	6625.1;	26-DEC-2009	20:31:29;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;	occ;	84;	0;	40906
27;	6727.3;	26-DEC-2009	20:33:11;	Dark	;	53.0;	41;	Eps Car	;	1.86;	4100;	occ;	106;	0;	40906
28;	6912.0;	26-DEC-2009	20:36:16;	Dark	;	21.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	42;	0;	40906

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2;	-1914.6;	27-DEC-2009	02:32:09;	Bright;		63.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	126;	0;	40910
3;	-1686.3;	27-DEC-2009	02:35:57;	Bright;		59.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	118;	0;	40910
4;	-1475.9;	27-DEC-2009	02:39:27;	Bright;		58.0;	83;		;	2.38;	11000;	occ;	116;	0;	40910
5;	-1246.0;	27-DEC-2009	02:43:17;	Bright;		48.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	96;	0;	40910
6;	-720.5;	27-DEC-2009	02:52:03;	Dark	;	43.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	86;	0;	40910
7;	-564.4;	27-DEC-2009	02:54:39;	Dark	;	58.0;	15;	67Alp Vir	;	0.98;	28000;	occ;	116;	0;	40910
8;	-316.2;	27-DEC-2009	02:58:47;	Dark	;	51.5;	54;	5The Cen	;	2.06;	4500;	occ;	103;	0;	40910
9;	-188.4;	27-DEC-2009	03:00:55;	Dark	;	43.5;	123;	Iot Cen	;	2.75;	10200;	occ;	87;	0;	40910

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