

GOMOS Daily Report 23-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	26DEC2009 04:57:28
Data source version	GOMOS/5.00L04
Start time of products	23DEC2009 00:02:52
Stop time of products	23DEC2009 23:58:53
Store outputs in DB	Yes
Nb of level 1b prods	150
Nb of prods with errors	0

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

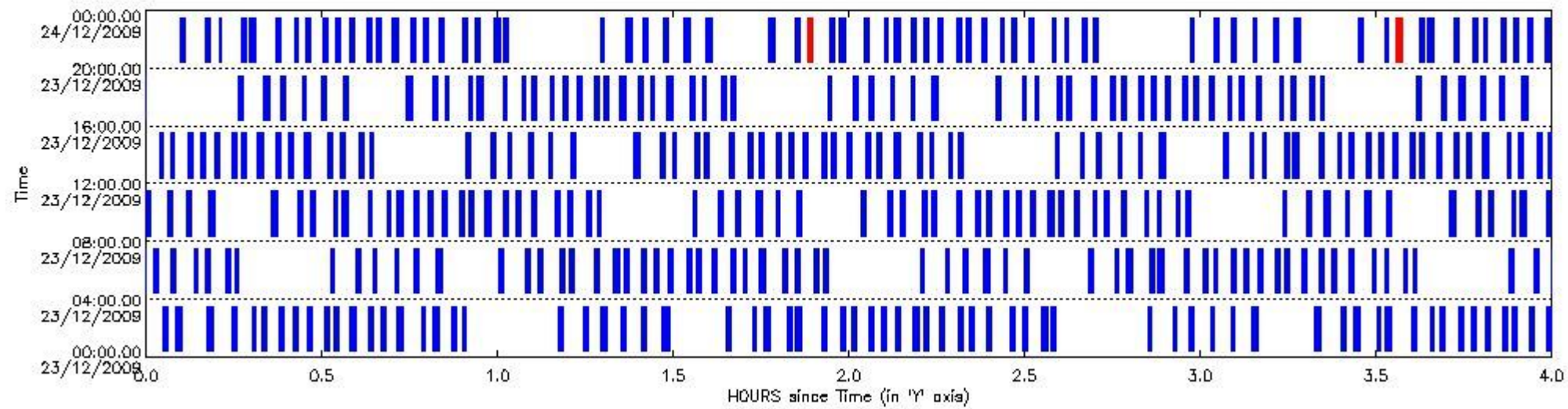
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
23-DEC-2009 21:52:50	lotCen	123	40864
23-DEC-2009 23:33:27	lotCen	123	40865

2.4 Summary of processed GOM_TRA_1P products

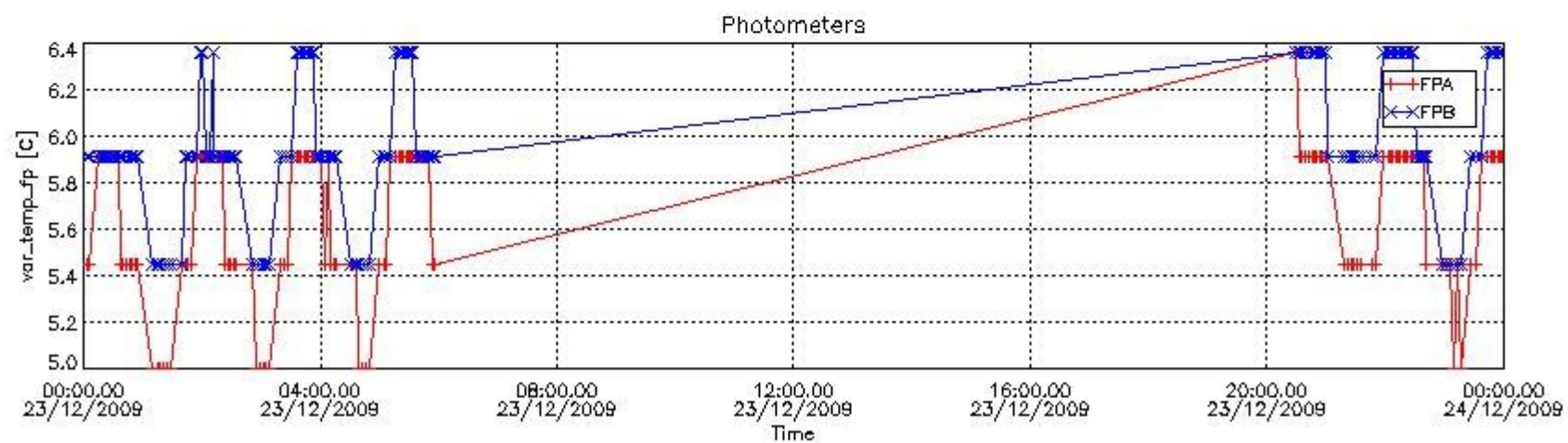
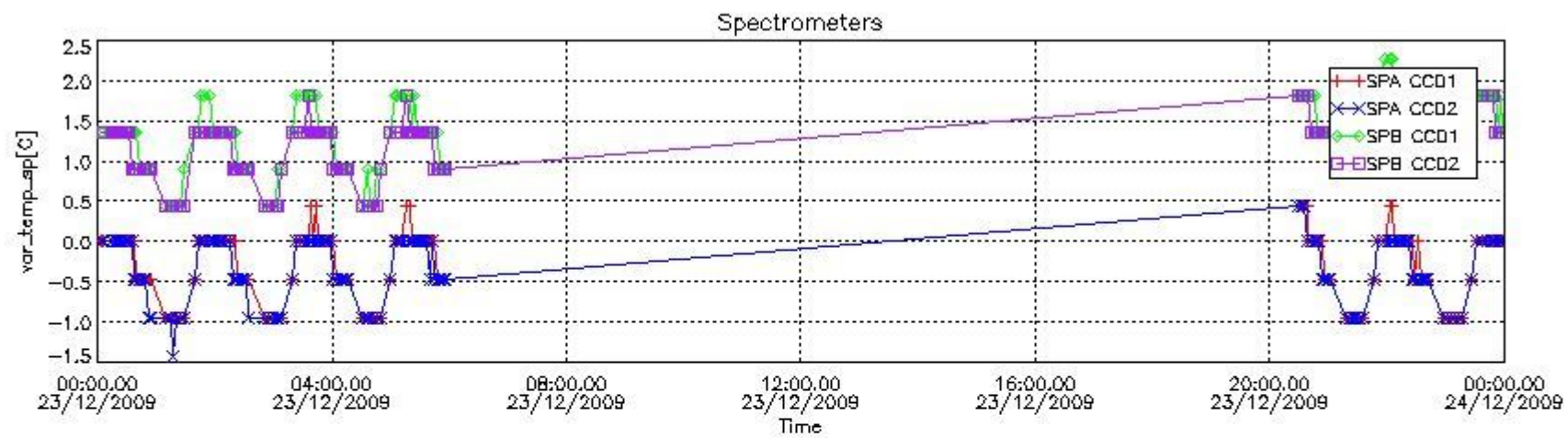
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091223_000252_000000452085_00216_40851_0039.N1	23-DEC-2009 00:02:52	Dark	44.500	54	5The Cen	2.0550	4500.0	89	40851	No
2	GOM_TRA_1PNPDE20091223_000455_000000612085_00216_40851_0040.N1	23-DEC-2009 00:04:55	Dark	61.000	106	9Bet Crv	2.6480	5600.0	122	40851	No
3	GOM_TRA_1PNPDE20091223_001443_000000472085_00217_40852_0041.N1	23-DEC-2009 00:14:43	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	40852	No
4	GOM_TRA_1PNPDE20091223_001801_000000442085_00217_40852_0042.N1	23-DEC-2009 00:18:01	Dark	43.500	71	lot Car	2.2460	7700.0	87	40852	No
5	GOM_TRA_1PNPDE20091223_001947_000000522085_00217_40852_0043.N1	23-DEC-2009 00:19:47	Dark	51.500	41	Eps Car	1.8600	4100.0	103	40852	No
6	GOM_TRA_1PNPDE20091223_002246_000000472085_00217_40852_0044.N1	23-DEC-2009 00:22:46	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	40852	No
7	GOM_TRA_1PNPDE20091223_002457_000000502085_00217_40852_0045.N1	23-DEC-2009 00:24:57	Dark	49.500	70	Zet Pup	2.2460	39000.	99	40852	No
8	GOM_TRA_1PNPDE20091223_002723_000000502085_00217_40852_0046.N1	23-DEC-2009 00:27:23	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	40852	No
9	GOM_TRA_1PNPDE20091223_003024_000000502085_00217_40852_0047.N1	23-DEC-2009 00:30:24	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	40852	No

10	GOM_TRA_1PNPDE20091223_003205_000000492085_00217_40852_0048.N1	23-DEC-2009 00:32:05	Straylight	49.000	179	24Omi2CMa	3.0320	24000.	98	40852	No
11	GOM_TRA_1PNPDE20091223_003449_000000572085_00217_40852_0049.N1	23-DEC-2009 00:34:49	Straylight	56.500	1	9Alp CMa	-1.4400	11000.	113	40852	No
12	GOM_TRA_1PNPDE20091223_003759_000000462085_00217_40852_0050.N1	23-DEC-2009 00:37:59	Straylight	46.000	7	19Bet Ori	0.10000	14000.	92	40852	No
13	GOM_TRA_1PNPDE20091223_004002_000000472085_00217_40852_0051.N1	23-DEC-2009 00:40:02	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	40852	No
14	GOM_TRA_1PNPDE20091223_004252_000000582085_00217_40852_0052.N1	23-DEC-2009 00:42:52	Tw_i_and_stray	57.500	14	58Alp Ori	0.87000	3000.0	115	40852	No
15	GOM_TRA_1PNPDE20091223_004656_000000432085_00217_40852_0053.N1	23-DEC-2009 00:46:56	Bright	42.500	176	23Zet Tau	3.0200	22000.	85	40852	No
16	GOM_TRA_1PNPDE20091223_004900_000000532085_00217_40852_0054.N1	23-DEC-2009 00:49:00	Bright	52.500	28	12Bet Tau	1.6500	15200.	105	40852	No
17	GOM_TRA_1PNPDE20091223_005215_000000422085_00217_40852_0055.N1	23-DEC-2009 00:52:15	Bright	42.000	107	37The Aur	2.6490	11000.	84	40852	No
18	GOM_TRA_1PNPDE20091223_005356_000000432085_00217_40852_0056.N1	23-DEC-2009 00:53:56	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	40852	No
19	GOM_TRA_1PNPDE20091223_011024_000000382085_00217_40852_0057.N1	23-DEC-2009 01:10:24	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	40852	No
20	GOM_TRA_1PNPDE20091223_011440_000000482085_00217_40852_0058.N1	23-DEC-2009 01:14:40	Bright	47.500	32	77Eps UMa	1.7630	11000.	95	40852	No
21	GOM_TRA_1PNPDE20091223_011732_000000612085_00217_40852_0059.N1	23-DEC-2009 01:17:32	Bright	61.000	39	85Eta UMa	1.8540	24000.	122	40852	No
22	GOM_TRA_1PNPDE20091223_012109_000000372085_00217_40852_0060.N1	23-DEC-2009 01:21:09	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	40852	No
23	GOM_TRA_1PNPDE20091223_012432_000000562085_00217_40852_0061.N1	23-DEC-2009 01:24:32	Bright	56.000	83		2.3780	11000.	112	40852	No
24	GOM_TRA_1PNPDE20091223_012809_000000662085_00217_40852_0062.N1	23-DEC-2009 01:28:09	Bright	65.500	111	8Eta Boo	2.6800	6000.0	131	40852	No
25	GOM_TRA_1PNPDE20091223_013854_000000562085_00217_40852_0057.N1	23-DEC-2009 01:38:54	Tw_i_and_stray	56.000	15	67Alp Vir	0.97600	28000.	112	40852	No
26	GOM_TRA_1PNPDE20091223_014329_000000442085_00217_40852_0058.N1	23-DEC-2009 01:43:29	Dark	43.500	54	5The Cen	2.0550	4500.0	87	40852	No
27	GOM_TRA_1PNPDE20091223_014532_000000582085_00217_40852_0059.N1	23-DEC-2009 01:45:32	Dark	58.000	106	9Bet Crv	2.6480	5600.0	116	40852	No
28	GOM_TRA_1PNPDE20091223_014928_000000442085_00218_40853_0060.N1	23-DEC-2009 01:49:28	Dark	44.000	64	Gam Cen	2.2000	10600.	88	40853	No
29	GOM_TRA_1PNPDE20091223_015520_000000462085_00218_40853_0061.N1	23-DEC-2009 01:55:20	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	40853	No
30	GOM_TRA_1PNPDE20091223_015837_000000412085_00218_40853_0062.N1	23-DEC-2009 01:58:37	Dark	40.500	71	lot Car	2.2460	7700.0	81	40853	No
31	GOM_TRA_1PNPDE20091223_020024_000000552085_00218_40853_0063.N1	23-DEC-2009 02:00:24	Dark	54.500	41	Eps Car	1.8600	4100.0	109	40853	No
32	GOM_TRA_1PNPDE20091223_020323_000000452085_00218_40853_0064.N1	23-DEC-2009 02:03:23	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	40853	No
33	GOM_TRA_1PNPDE20091223_020534_000000502085_00218_40853_0065.N1	23-DEC-2009 02:05:34	Dark	50.000	70	Zet Pup	2.2460	39000.	100	40853	No
34	GOM_TRA_1PNPDE20091223_020759_000000512085_00218_40853_0066.N1	23-DEC-2009 02:07:59	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	40853	No
35	GOM_TRA_1PNPDE20091223_021101_000000492085_00218_40853_0067.N1	23-DEC-2009 02:11:01	Straylight	49.000	23	21Eps CMa	1.5020	26000.	98	40853	No
36	GOM_TRA_1PNPDE20091223_021241_000000492085_00218_40853_0068.N1	23-DEC-2009 02:12:41	Straylight	49.000	179	24Omi2CMa	3.0320	24000.	98	40853	No
37	GOM_TRA_1PNPDE20091223_021526_000000562085_00218_40853_0069.N1	23-DEC-2009 02:15:26	Straylight	56.000	1	9Alp CMa	-1.4400	11000.	112	40853	No
38	GOM_TRA_1PNPDE20091223_021835_000000472085_00218_40853_0070.N1	23-DEC-2009 02:18:35	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	40853	No
39	GOM_TRA_1PNPDE20091223_022038_000000452085_00218_40853_0071.N1	23-DEC-2009 02:20:38	Straylight	44.500	30	46Eps Ori	1.6940	30000.	89	40853	No
40	GOM_TRA_1PNPDE20091223_022328_000000552085_00218_40853_0072.N1	23-DEC-2009 02:23:28	Tw_i_and_stray	54.500	14	58Alp Ori	0.87000	3000.0	109	40853	No
41	GOM_TRA_1PNPDE20091223_022731_000000412085_00218_40853_0073.N1	23-DEC-2009 02:27:31	Bright	41.000	176	23Zet Tau	3.0200	22000.	82	40853	No
42	GOM_TRA_1PNPDE20091223_022936_000000432085_00218_40853_0074.N1	23-DEC-2009 02:29:36	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	40853	No
43	GOM_TRA_1PNPDE20091223_023250_000000612085_00218_40853_0075.N1	23-DEC-2009 02:32:50	Bright	61.000	107	37The Aur	2.6490	11000.	122	40853	No
44	GOM_TRA_1PNPDE20091223_023431_000000462085_00218_40853_0076.N1	23-DEC-2009 02:34:31	Bright	45.500	6	13Alp Aur	0.080000	3400.0	91	40853	No
45	GOM_TRA_1PNPDE20091223_025100_000000382085_00218_40853_0077.N1	23-DEC-2009 02:51:00	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	40853	No
46	GOM_TRA_1PNPDE20091223_025516_000000452085_00218_40853_0081.N1	23-DEC-2009 02:55:16	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	40853	No
47	GOM_TRA_1PNPDE20091223_025808_000000412085_00218_40853_0082.N1	23-DEC-2009 02:58:08	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	40853	No
48	GOM_TRA_1PNPDE20091223_030145_000000402085_00218_40853_0083.N1	23-DEC-2009 03:01:45	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	40853	No
49	GOM_TRA_1PNPDE20091223_030508_000000382085_00218_40853_0084.N1	23-DEC-2009 03:05:08	Bright	37.500	83		2.3780	11000.	75	40853	No
50	GOM_TRA_1PNPDE20091223_030845_000000662085_00218_40853_0085.N1	23-DEC-2009 03:08:45	Bright	66.000	111	8Eta Boo	2.6800	6000.0	132	40853	No
51	GOM_TRA_1PNPDE20091223_031931_000000552085_00218_40853_0086.N1	23-DEC-2009 03:19:31	Tw_i_and_stray	54.500	15	67Alp Vir	0.97600	28000.	109	40853	No
52	GOM_TRA_1PNPDE20091223_032405_000000462085_00218_40853_0087.N1	23-DEC-2009 03:24:05	Dark	45.500	54	5The Cen	2.0550	4500.0	91	40853	No
53	GOM_TRA_1PNPDE20091223_032609_000000582085_00218_40853_0088.N1	23-DEC-2009 03:26:09	Dark	58.000	106	9Bet Crv	2.6480	5600.0	116	40853	No
54	GOM_TRA_1PNPDE20091223_033004_000000432085_00219_40854_0089.N1	23-DEC-2009 03:30:04	Dark	42.500	64	Gam Cen	2.2000	10600.	85	40854	No
55	GOM_TRA_1PNPDE20091223_033557_000000492085_00219_40854_0090.N1	23-DEC-2009 03:35:57	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	40854	No
56	GOM_TRA_1PNPDE20091223_033914_000000422085_00219_40854_0091.N1	23-DEC-2009 03:39:14	Dark	41.500	71	lot Car	2.2460	7700.0	83	40854	No
57	GOM_TRA_1PNPDE20091223_034100_000000442085_00219_40854_0092.N1	23-DEC-2009 03:41:00	Dark	43.500	41	Eps Car	1.8600	4100.0	87	40854	No
58	GOM_TRA_1PNPDE20091223_034359_000000512085_00219_40854_0093.N1	23-DEC-2009 03:43:59	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	40854	No
59	GOM_TRA_1PNPDE20091223_034611_000000512085_00219_40854_0094.N1	23-DEC-2009 03:46:11	Dark	50.500	70	Zet Pup	2.2460	39000.	101	40854	No
60	GOM_TRA_1PNPDE20091223_034835_000000512085_00219_40854_0095.N1	23-DEC-2009 03:48:35	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	40854	No
61	GOM_TRA_1PNPDE20091223_035137_000000502085_00219_40854_0096.N1	23-DEC-2009 03:51:37	Straylight	49.500	23	21Eps CMa	1.5020	26000.	99	40854	No
62	GOM_TRA_1PNPDE20091223_035317_000000512085_00219_40854_0097.N1	23-DEC-2009 03:53:17	Straylight	51.000	179	24Omi2CMa	3.0320	24000.	102	40854	No
63	GOM_TRA_1PNPDE20091223_035602_000000532085_00219_40854_0098.N1	23-DEC-2009 03:56:02	Straylight	52.500	1	9Alp CMa	-1.4400	11000.	105	40854	No
64	GOM_TRA_1PNPDE20091223_035911_000000502085_00219_40854_0099.N1	23-DEC-2009 03:59:11	Straylight	50.000	7	19Bet Ori	0.10000	14000.	100	40854	No
65	GOM_TRA_1PNPDE20091223_040114_000000462085_00219_40854_0100.N1	23-DEC-2009 04:01:14	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	40854	No
66	GOM_TRA_1PNPDE20091223_040403_000000592085_00219_40854_0101.N1	23-DEC-2009 04:04:03	Tw_i_and_stray	58.500	14	58Alp Ori	0.87000	3000.0	117	40854	No
67	GOM_TRA_1PNPDE20091223_040807_000000412085_00219_40854_0102.N1	23-DEC-2009 04:08:07	Bright	40.500	176	23Zet Tau	3.0200	22000.	81	40854	No
68	GOM_TRA_1PNPDE20091223_041012_000000422085_00219_40854_0103.N1	23-DEC-2009 04:10:12	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	40854	No

69	GOM_TRA_1PNPDE20091223_041326_000000612085_00219_40854_0104.N1	23-DEC-2009 04:13:26	Bright	61.000	107	37The Aur	2.6490	11000.	122	40854	No
70	GOM_TRA_1PNPDE20091223_041507_000000422085_00219_40854_0105.N1	23-DEC-2009 04:15:07	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	40854	No
71	GOM_TRA_1PNPDE20091223_043136_000000342085_00219_40854_0107.N1	23-DEC-2009 04:31:36	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	40854	No
72	GOM_TRA_1PNPDE20091223_043551_000000452085_00219_40854_0108.N1	23-DEC-2009 04:35:51	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	40854	No
73	GOM_TRA_1PNPDE20091223_043844_000000402085_00219_40854_0109.N1	23-DEC-2009 04:38:44	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	40854	No
74	GOM_TRA_1PNPDE20091223_044222_000000382085_00219_40854_0110.N1	23-DEC-2009 04:42:22	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	40854	No
75	GOM_TRA_1PNPDE20091223_044545_000000442085_00219_40854_0111.N1	23-DEC-2009 04:45:45	Bright	43.500	83		2.3780	11000.	87	40854	No
76	GOM_TRA_1PNPDE20091223_044922_000000662085_00219_40854_0112.N1	23-DEC-2009 04:49:22	Bright	66.000	111	8Eta Boo	2.6800	6000.0	132	40854	No
77	GOM_TRA_1PNPDE20091223_050008_000000562085_00219_40854_0113.N1	23-DEC-2009 05:00:08	Tw_i_and_stray	56.000	15	67Alp Vir	0.97600	28000.	112	40854	No
78	GOM_TRA_1PNPDE20091223_050442_000000492085_00219_40854_0114.N1	23-DEC-2009 05:04:42	Dark	48.500	54	5The Cen	2.0550	4500.0	97	40854	No
79	GOM_TRA_1PNPDE20091223_050646_000000522085_00219_40854_0115.N1	23-DEC-2009 05:06:46	Dark	52.000	106	9Bet Crv	2.6480	5600.0	104	40854	No
80	GOM_TRA_1PNPDE20091223_051041_000000422085_00220_40855_0116.N1	23-DEC-2009 05:10:41	Dark	41.500	64	Gam Cen	2.2000	10600.	83	40855	No
81	GOM_TRA_1PNPDE20091223_051634_000000472085_00220_40855_0117.N1	23-DEC-2009 05:16:34	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	40855	No
82	GOM_TRA_1PNPDE20091223_051951_000000512085_00220_40855_0118.N1	23-DEC-2009 05:19:51	Dark	50.500	71	lot Car	2.2460	7700.0	101	40855	No
83	GOM_TRA_1PNPDE20091223_052137_000000482085_00220_40855_0119.N1	23-DEC-2009 05:21:37	Dark	47.500	41	Eps Car	1.8600	4100.0	95	40855	No
84	GOM_TRA_1PNPDE20091223_052436_000000492085_00220_40855_0120.N1	23-DEC-2009 05:24:36	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	40855	No
85	GOM_TRA_1PNPDE20091223_052647_000000492085_00220_40855_0121.N1	23-DEC-2009 05:26:47	Dark	48.500	70	Zet Pup	2.2460	39000.	97	40855	No
86	GOM_TRA_1PNPDE20091223_052912_000000502085_00220_40855_0122.N1	23-DEC-2009 05:29:12	Dark	50.000	117	Pi Pup	2.7060	3800.0	100	40855	No
87	GOM_TRA_1PNPDE20091223_053214_000000522085_00220_40855_0123.N1	23-DEC-2009 05:32:14	Straylight	51.500	23	21Eps CMa	1.5020	26000.	103	40855	No
88	GOM_TRA_1PNPDE20091223_053354_000000512085_00220_40855_0124.N1	23-DEC-2009 05:33:54	Straylight	51.000	179	24Omi2CMa	3.0320	24000.	102	40855	No
89	GOM_TRA_1PNPDE20091223_053638_000000542085_00220_40855_0125.N1	23-DEC-2009 05:36:38	Straylight	53.500	1	9Alp CMa	-1.4400	11000.	107	40855	No
90	GOM_TRA_1PNPDE20091223_053948_000000492085_00220_40855_0126.N1	23-DEC-2009 05:39:48	Straylight	48.500	7	19Bet Ori	0.10000	14000.	97	40855	No
91	GOM_TRA_1PNPDE20091223_054150_000000442085_00220_40855_0127.N1	23-DEC-2009 05:41:50	Straylight	43.500	30	46Eps Ori	1.6940	30000.	87	40855	No
92	GOM_TRA_1PNPDE20091223_054439_000000602085_00220_40855_0128.N1	23-DEC-2009 05:44:39	Tw_i_and_stray	60.000	14	58Alp Ori	0.87000	3000.0	120	40855	No
93	GOM_TRA_1PNPDE20091223_054843_000000412085_00220_40855_0129.N1	23-DEC-2009 05:48:43	Bright	41.000	176	23Zet Tau	3.0200	22000.	82	40855	No
94	GOM_TRA_1PNPDE20091223_055048_000000412085_00220_40855_0130.N1	23-DEC-2009 05:50:48	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	40855	No
95	GOM_TRA_1PNPDE20091223_055402_000000422085_00220_40855_0131.N1	23-DEC-2009 05:54:02	Bright	41.500	107	37The Aur	2.6490	11000.	83	40855	No
96	GOM_TRA_1PNPDE20091223_055543_000000432085_00220_40855_0132.N1	23-DEC-2009 05:55:43	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	40855	No
97	GOM_TRA_1PNPDE20091223_203005_000000452085_00229_40864_0194.N1	23-DEC-2009 20:30:05	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	40864	No
98	GOM_TRA_1PNPDE20091223_203216_000000472085_00229_40864_0195.N1	23-DEC-2009 20:32:16	Dark	47.000	70	Zet Pup	2.2460	39000.	94	40864	No
99	GOM_TRA_1PNPDE20091223_203439_000000502085_00229_40864_0196.N1	23-DEC-2009 20:34:39	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	40864	No
100	GOM_TRA_1PNPDE20091223_203740_000000502085_00229_40864_0197.N1	23-DEC-2009 20:37:40	Straylight	49.500	23	21Eps CMa	1.5020	26000.	99	40864	No
101	GOM_TRA_1PNPDE20091223_203920_000000502085_00229_40864_0198.N1	23-DEC-2009 20:39:20	Straylight	49.500	179	24Omi2CMa	3.0320	24000.	99	40864	No
102	GOM_TRA_1PNPDE20091223_204202_000000562085_00229_40864_0199.N1	23-DEC-2009 20:42:02	Straylight	55.500	1	9Alp CMa	-1.4400	11000.	111	40864	No
103	GOM_TRA_1PNPDE20091223_204512_000000472085_00229_40864_0200.N1	23-DEC-2009 20:45:12	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	40864	No
104	GOM_TRA_1PNPDE20091223_204713_000000462085_00229_40864_0201.N1	23-DEC-2009 20:47:13	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	40864	No
105	GOM_TRA_1PNPDE20091223_205001_000000512085_00229_40864_0202.N1	23-DEC-2009 20:50:01	Tw_i_and_stray	50.500	14	58Alp Ori	0.87000	3000.0	101	40864	No
106	GOM_TRA_1PNPDE20091223_205404_000000422085_00229_40864_0203.N1	23-DEC-2009 20:54:04	Bright	42.000	176	23Zet Tau	3.0200	22000.	84	40864	No
107	GOM_TRA_1PNPDE20091223_205609_000000412085_00229_40864_0204.N1	23-DEC-2009 20:56:09	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	40864	No
108	GOM_TRA_1PNPDE20091223_205921_000000602085_00229_40864_0205.N1	23-DEC-2009 20:59:21	Bright	60.000	107	37The Aur	2.6490	11000.	120	40864	No
109	GOM_TRA_1PNPDE20091223_210104_000000452085_00229_40864_0206.N1	23-DEC-2009 21:01:04	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	40864	No
110	GOM_TRA_1PNPDE20091223_211735_000000402085_00229_40864_0207.N1	23-DEC-2009 21:17:35	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	40864	No
111	GOM_TRA_1PNPDE20091223_212148_000000632085_00229_40864_0208.N1	23-DEC-2009 21:21:48	Bright	62.500	32	77Eps UMa	1.7630	11000.	125	40864	No
112	GOM_TRA_1PNPDE20091223_212442_000000612085_00229_40864_0209.N1	23-DEC-2009 21:24:42	Bright	61.000	39	85Eta UMa	1.8540	24000.	122	40864	No
113	GOM_TRA_1PNPDE20091223_212822_000000382085_00229_40864_0210.N1	23-DEC-2009 21:28:22	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	40864	No
114	GOM_TRA_1PNPDE20091223_213146_000000572085_00229_40864_0211.N1	23-DEC-2009 21:31:46	Bright	57.000	83		2.3780	11000.	114	40864	No
115	GOM_TRA_1PNPDE20091223_213525_000000662085_00229_40864_0212.N1	23-DEC-2009 21:35:25	Bright	65.500	111	8Eta Boo	2.6800	6000.0	131	40864	No
116	GOM_TRA_1PNPDE20091223_214617_000000602085_00229_40864_0211.N1	23-DEC-2009 21:46:17	Tw_i_and_stray	60.000	15	67Alp Vir	0.97600	28000.	120	40864	No
117	GOM_TRA_1PNPDE20091223_215047_000000522085_00229_40864_0212.N1	23-DEC-2009 21:50:47	Dark	51.500	54	5The Cen	2.0550	4500.0	103	40864	No
118	GOM_TRA_1PNPDE20091223_215648_000000452085_00230_40865_0213.N1	23-DEC-2009 21:56:48	Dark	45.000	64	Gam Cen	2.2000	10600.	90	40865	No
119	GOM_TRA_1PNPDE20091223_220242_000000472085_00230_40865_0214.N1	23-DEC-2009 22:02:42	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	40865	No
120	GOM_TRA_1PNPDE20091223_220556_000000482085_00230_40865_0215.N1	23-DEC-2009 22:05:56	Dark	48.000	71	lot Car	2.2460	7700.0	96	40865	No
121	GOM_TRA_1PNPDE20091223_220741_000000562085_00230_40865_0216.N1	23-DEC-2009 22:07:41	Dark	56.000	41	Eps Car	1.8600	4100.0	112	40865	No
122	GOM_TRA_1PNPDE20091223_221042_000000472085_00230_40865_0217.N1	23-DEC-2009 22:10:42	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	40865	No
123	GOM_TRA_1PNPDE20091223_221253_000000482085_00230_40865_0218.N1	23-DEC-2009 22:12:53	Dark	48.000	70	Zet Pup	2.2460	39000.	96	40865	No
124	GOM_TRA_1PNPDE20091223_221516_000000492085_00230_40865_0219.N1	23-DEC-2009 22:15:16	Dark	49.000	117	Pi Pup	2.7060	3800.0	98	40865	No
125	GOM_TRA_1PNPDE20091223_221816_000000512085_00230_40865_0220.N1	23-DEC-2009 22:18:16	Straylight	50.500	23	21Eps CMa	1.5020	26000.	101	40865	No
126	GOM_TRA_1PNPDE20091223_221956_000000492085_00230_40865_0221.N1	23-DEC-2009 22:19:56	Straylight	48.500	179	24Omi2CMa	3.0320	24000.	97	40865	No
127	GOM_TRA_1PNPDE20091223_222238_000000542085_00230_40865_0222.N1	23-DEC-2009 22:22:38	Straylight	54.000	1	9Alp CMa	-1.4400	11000.	108	40865	No

128	GOM_TRA_1PNPDE20091223_222548_000000442085_00230_40865_0223.N1	23-DEC-2009 22:25:48	Straylight	44.000	7	19Bet Ori	0.10000	14000.	88	40865	No
129	GOM_TRA_1PNPDE20091223_222749_000000442085_00230_40865_0224.N1	23-DEC-2009 22:27:49	Straylight	44.000	30	46Eps Ori	1.6940	30000.	88	40865	No
130	GOM_TRA_1PNPDE20091223_223037_000000552085_00230_40865_0225.N1	23-DEC-2009 22:30:37	Twilight_stray	55.000	14	58Alp Ori	0.87000	3000.0	110	40865	No
131	GOM_TRA_1PNPDE20091223_223440_000000412085_00230_40865_0226.N1	23-DEC-2009 22:34:40	Bright	40.500	176	23Zet Tau	3.0200	22000.	81	40865	No
132	GOM_TRA_1PNPDE20091223_223645_000000432085_00230_40865_0227.N1	23-DEC-2009 22:36:45	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	40865	No
133	GOM_TRA_1PNPDE20091223_223957_000000402085_00230_40865_0228.N1	23-DEC-2009 22:39:57	Bright	39.500	107	37The Aur	2.6490	11000.	79	40865	No
134	GOM_TRA_1PNPDE20091223_224140_000000432085_00230_40865_0229.N1	23-DEC-2009 22:41:40	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	40865	No
135	GOM_TRA_1PNPDE20091223_225811_000000382085_00230_40865_0230.N1	23-DEC-2009 22:58:11	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	40865	No
136	GOM_TRA_1PNPDE20091223_230223_000000412085_00230_40865_0231.N1	23-DEC-2009 23:02:23	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	40865	No
137	GOM_TRA_1PNPDE20091223_230518_000000452085_00230_40865_0232.N1	23-DEC-2009 23:05:18	Bright	45.000	39	85Eta UMa	1.8540	24000.	90	40865	No
138	GOM_TRA_1PNPDE20091223_230858_000000372085_00230_40865_0233.N1	23-DEC-2009 23:08:58	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	40865	No
139	GOM_TRA_1PNPDE20091223_231222_000000572085_00230_40865_0234.N1	23-DEC-2009 23:12:22	Bright	57.000	83		2.3780	11000.	114	40865	No
140	GOM_TRA_1PNPDE20091223_231602_000000662085_00230_40865_0235.N1	23-DEC-2009 23:16:02	Bright	65.500	111	8Eta Boo	2.6800	6000.0	131	40865	No
141	GOM_TRA_1PNPDE20091223_232654_000000582085_00230_40865_0236.N1	23-DEC-2009 23:26:54	Twilight_stray	58.000	15	67Alp Vir	0.97600	28000.	116	40865	No
142	GOM_TRA_1PNPDE20091223_233124_000000452085_00230_40865_0237.N1	23-DEC-2009 23:31:24	Dark	45.000	54	5The Cen	2.0550	4500.0	90	40865	No
143	GOM_TRA_1PNPDE20091223_233724_000000452085_00231_40866_0238.N1	23-DEC-2009 23:37:24	Dark	44.500	64	Gam Cen	2.2000	10600.	89	40866	No
144	GOM_TRA_1PNPDE20091223_234319_000000472085_00231_40866_0239.N1	23-DEC-2009 23:43:19	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	40866	No
145	GOM_TRA_1PNPDE20091223_234632_000000412085_00231_40866_0240.N1	23-DEC-2009 23:46:32	Dark	41.000	71	lot Car	2.2460	7700.0	82	40866	No
146	GOM_TRA_1PNPDE20091223_234818_000000462085_00231_40866_0241.N1	23-DEC-2009 23:48:18	Dark	45.500	41	Eps Car	1.8600	4100.0	91	40866	No
147	GOM_TRA_1PNPDE20091223_235118_000000452085_00231_40866_0242.N1	23-DEC-2009 23:51:18	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	40866	No
148	GOM_TRA_1PNPDE20091223_235329_000000512085_00231_40866_0243.N1	23-DEC-2009 23:53:29	Dark	50.500	70	Zet Pup	2.2460	39000.	101	40866	No
149	GOM_TRA_1PNPDE20091223_235552_000000512085_00231_40866_0244.N1	23-DEC-2009 23:55:52	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	40866	No
150	GOM_TRA_1PNPDE20091223_235853_000000482085_00231_40866_0245.N1	23-DEC-2009 23:58:53	Straylight	48.000	23	21Eps CMa	1.5020	26000.	96	40866	No

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



4. Overview of dark signal processing per product

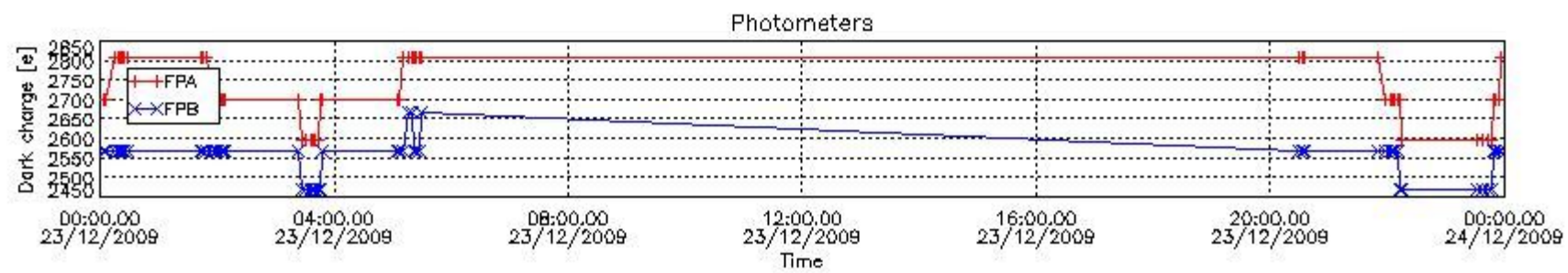
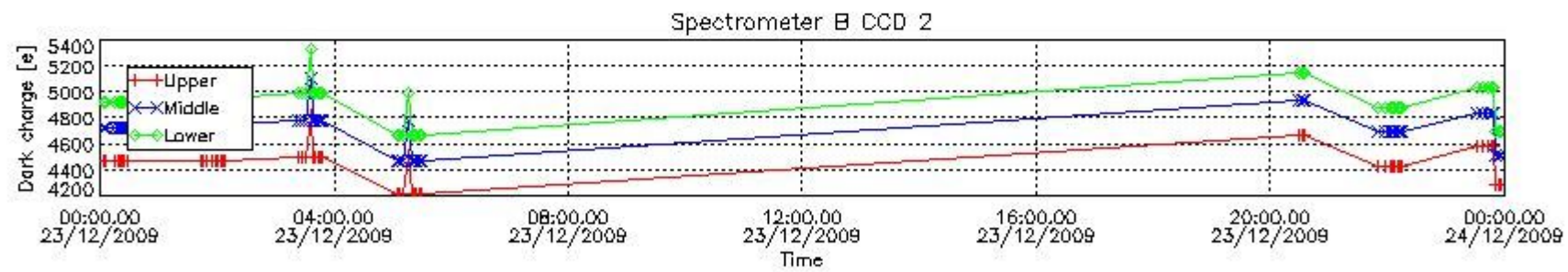
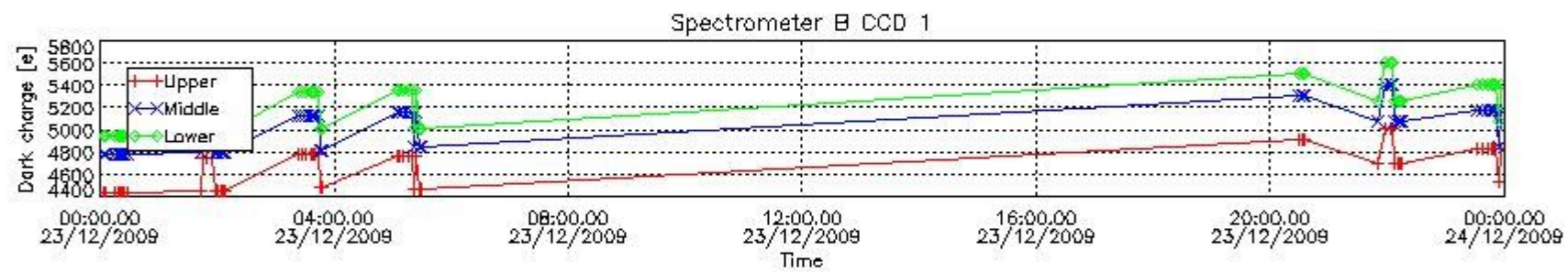
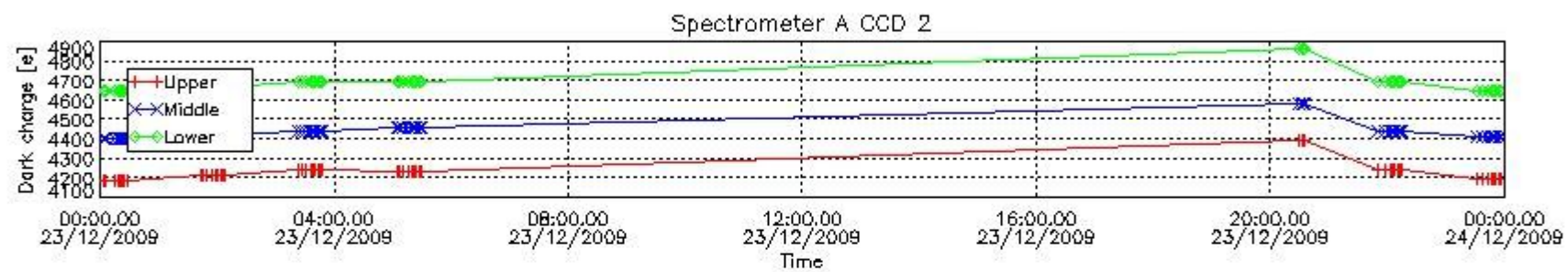
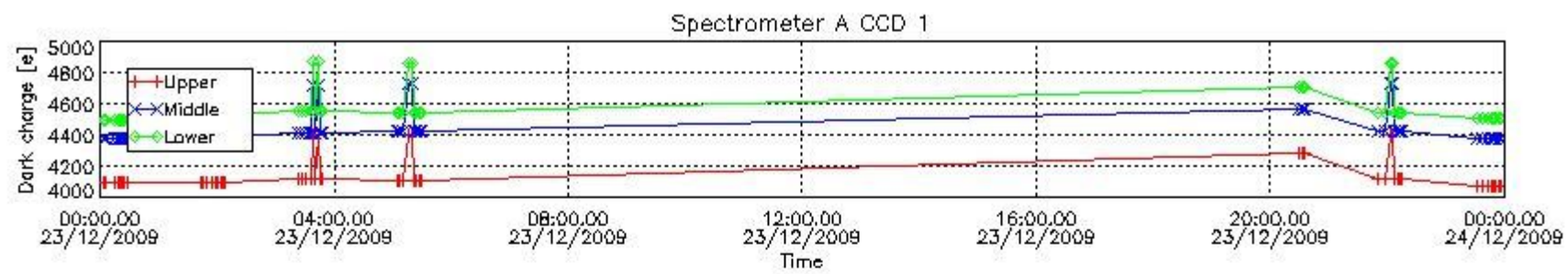
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20091223_203005_000000452085_00229_40864_0194.N1	DC map used
GOM_TRA_1PNPDE20091223_203216_000000472085_00229_40864_0195.N1	DC map used
GOM_TRA_1PNPDE20091223_203439_000000502085_00229_40864_0196.N1	DC map used
GOM_TRA_1PNPDE20091223_203740_000000502085_00229_40864_0197.N1	DC map used
GOM_TRA_1PNPDE20091223_203920_000000502085_00229_40864_0198.N1	DC map used
GOM_TRA_1PNPDE20091223_204202_000000562085_00229_40864_0199.N1	DC map used
GOM_TRA_1PNPDE20091223_204512_000000472085_00229_40864_0200.N1	DC map used
GOM_TRA_1PNPDE20091223_204713_000000462085_00229_40864_0201.N1	DC map used
GOM_TRA_1PNPDE20091223_205001_000000512085_00229_40864_0202.N1	DC map used
GOM_TRA_1PNPDE20091223_205404_000000422085_00229_40864_0203.N1	DC map used
GOM_TRA_1PNPDE20091223_205609_000000412085_00229_40864_0204.N1	DC map used
GOM_TRA_1PNPDE20091223_205921_000000602085_00229_40864_0205.N1	DC map used
GOM_TRA_1PNPDE20091223_210104_000000452085_00229_40864_0206.N1	DC map used
GOM_TRA_1PNPDE20091223_211735_000000402085_00229_40864_0207.N1	DC map used
GOM_TRA_1PNPDE20091223_212148_000000632085_00229_40864_0208.N1	DC map used
GOM_TRA_1PNPDE20091223_212442_000000612085_00229_40864_0209.N1	DC map used
GOM_TRA_1PNPDE20091223_212822_000000382085_00229_40864_0210.N1	DC map used
GOM_TRA_1PNPDE20091223_213146_000000572085_00229_40864_0211.N1	DC map used
GOM_TRA_1PNPDE20091223_213525_000000662085_00229_40864_0212.N1	DC map used

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



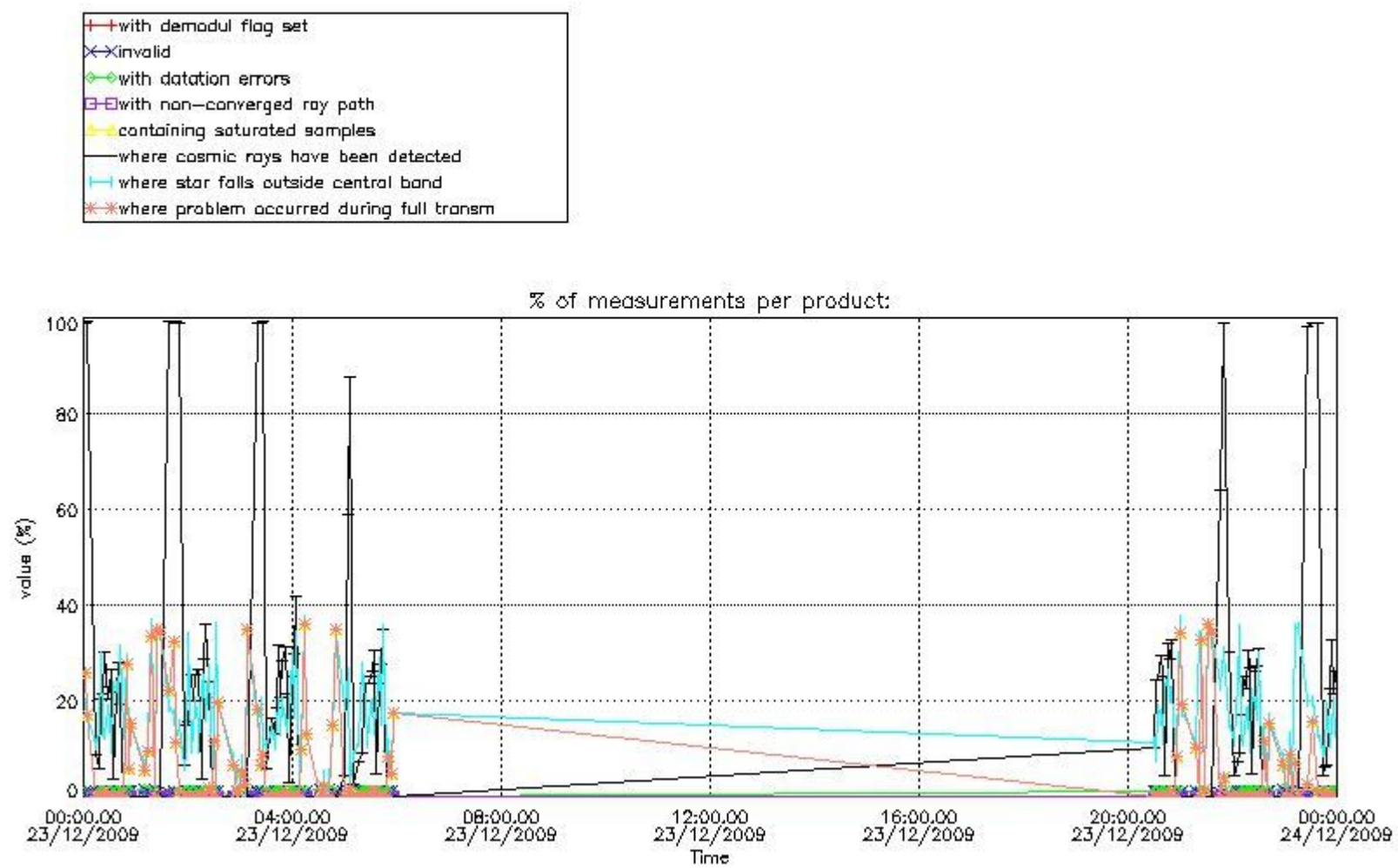
5. Demodulation flag and quality information monitoring

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.

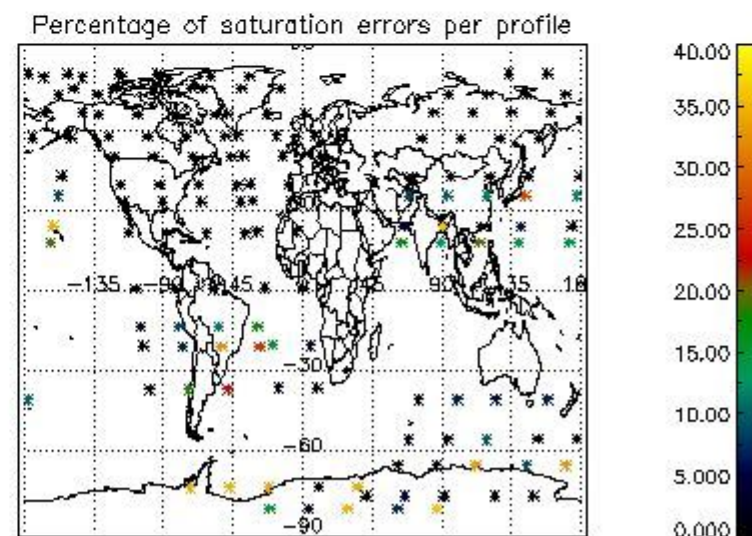
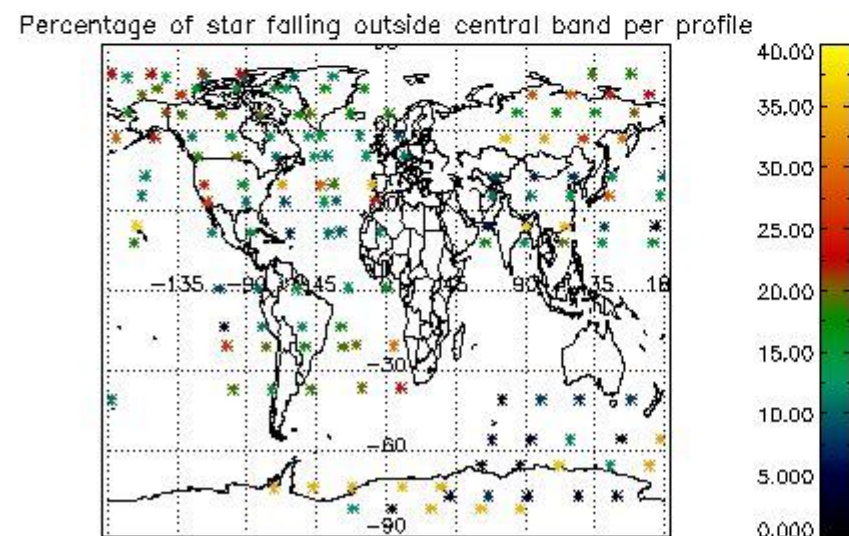
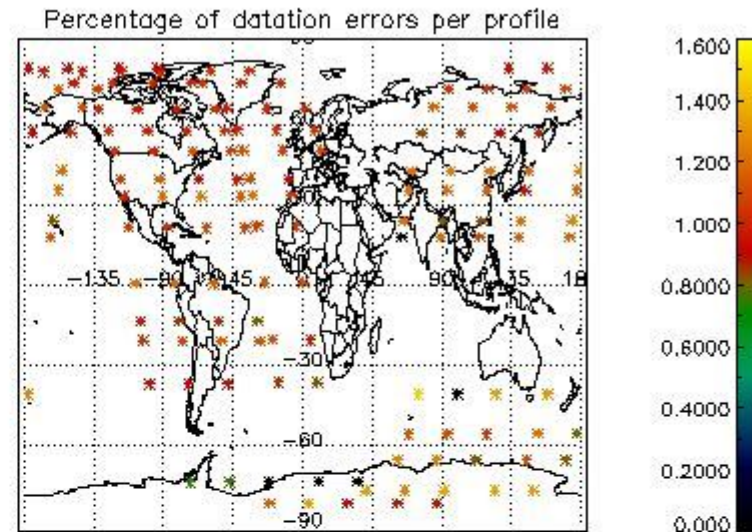
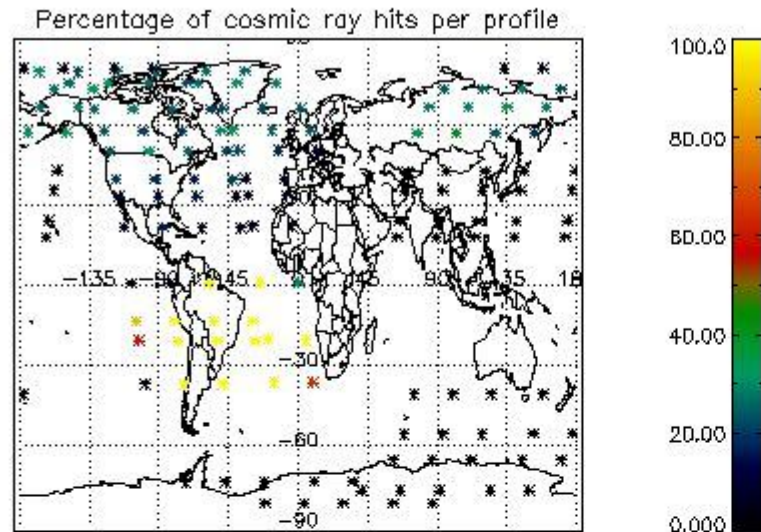
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	53.3333 %
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)



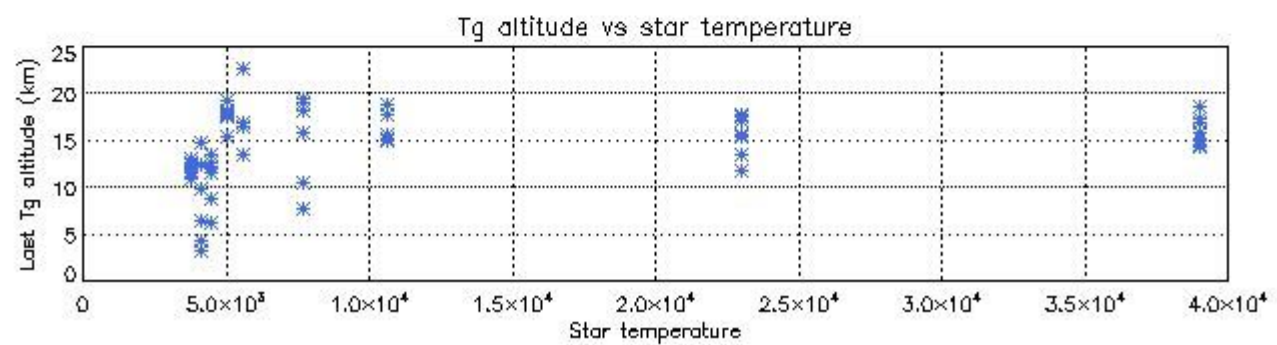
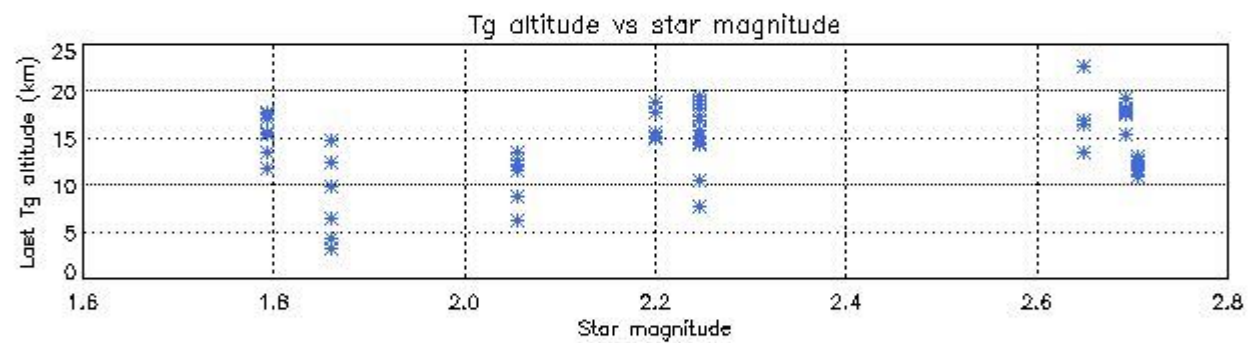
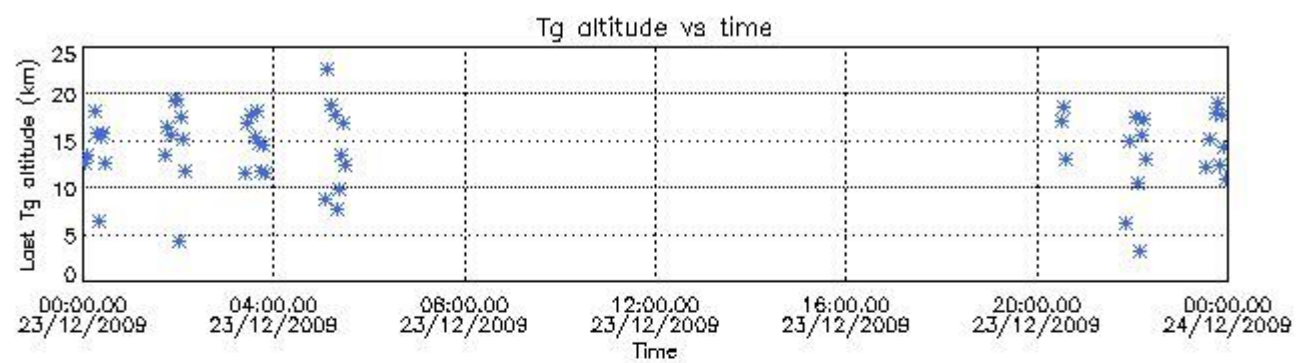
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.262	15.087	NaN
St. deviation:	4.0115	7.6119	NaN
Maximum:	22.741	27.968	NaN
Minimum:	3.1083	3.7557	NaN
Number of data:	54.000	54.000	NaN

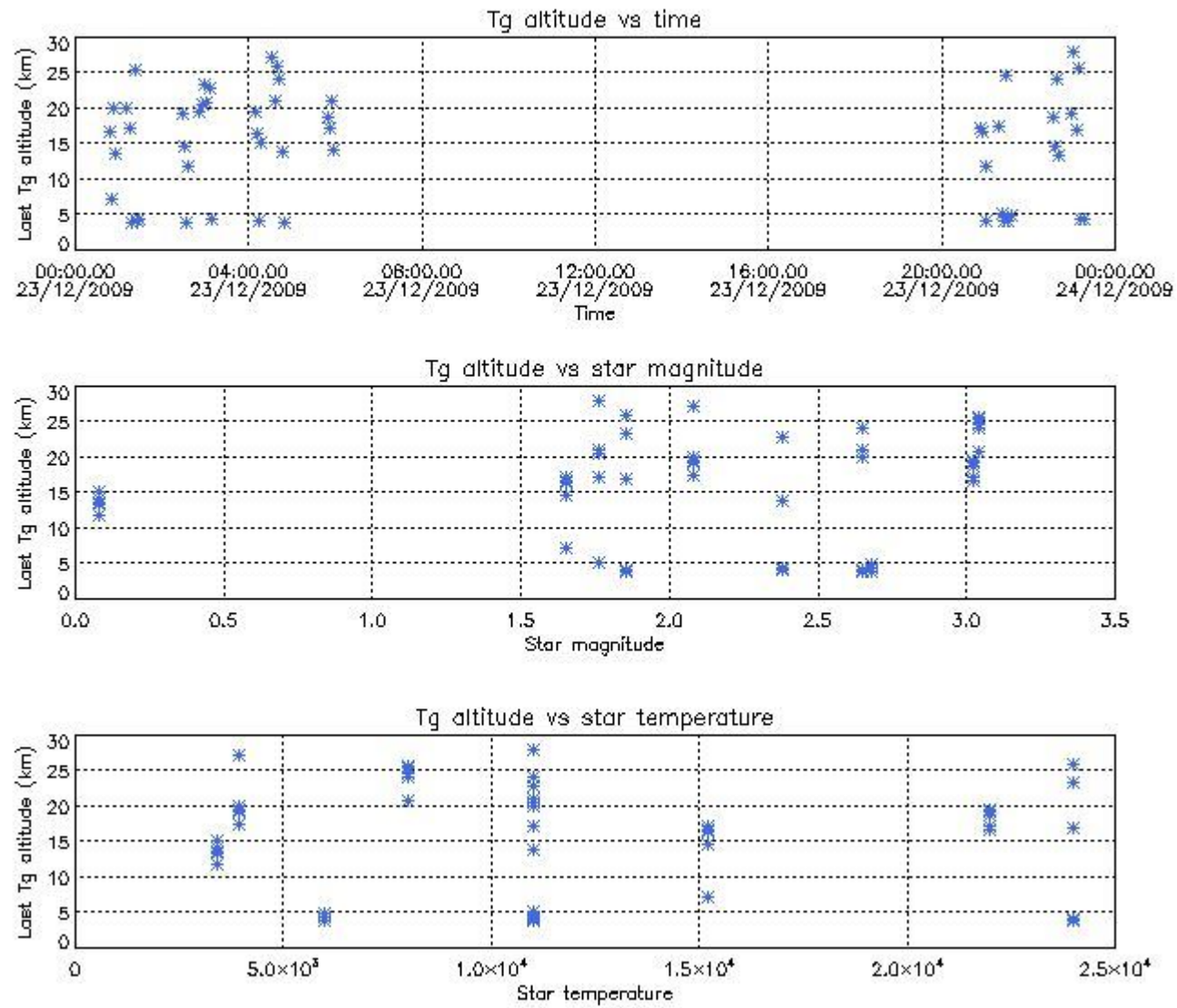
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

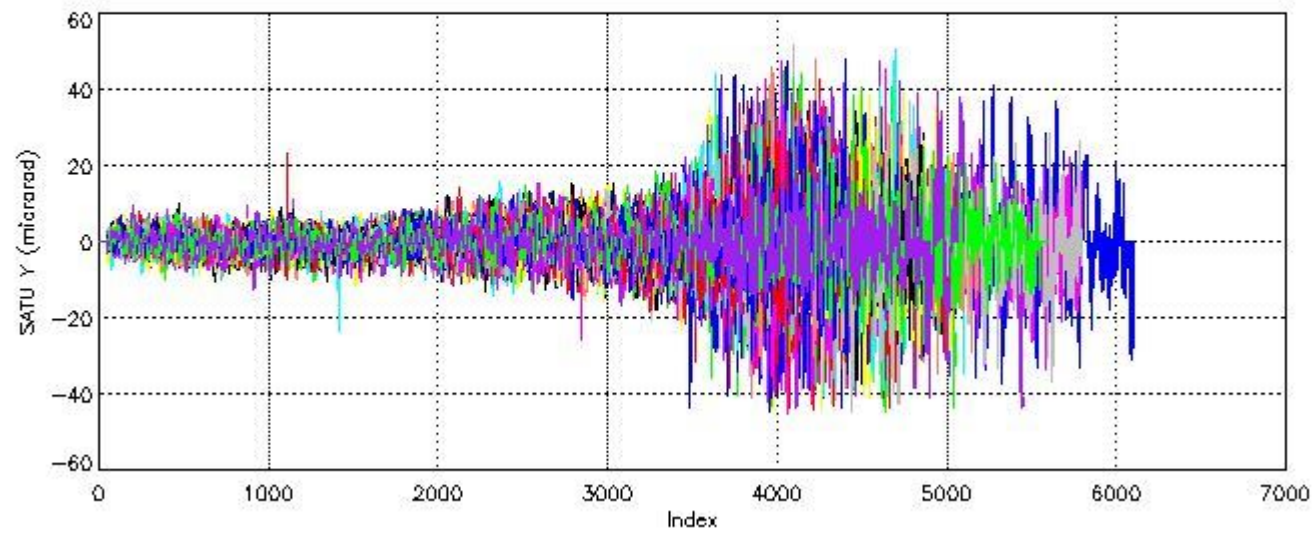
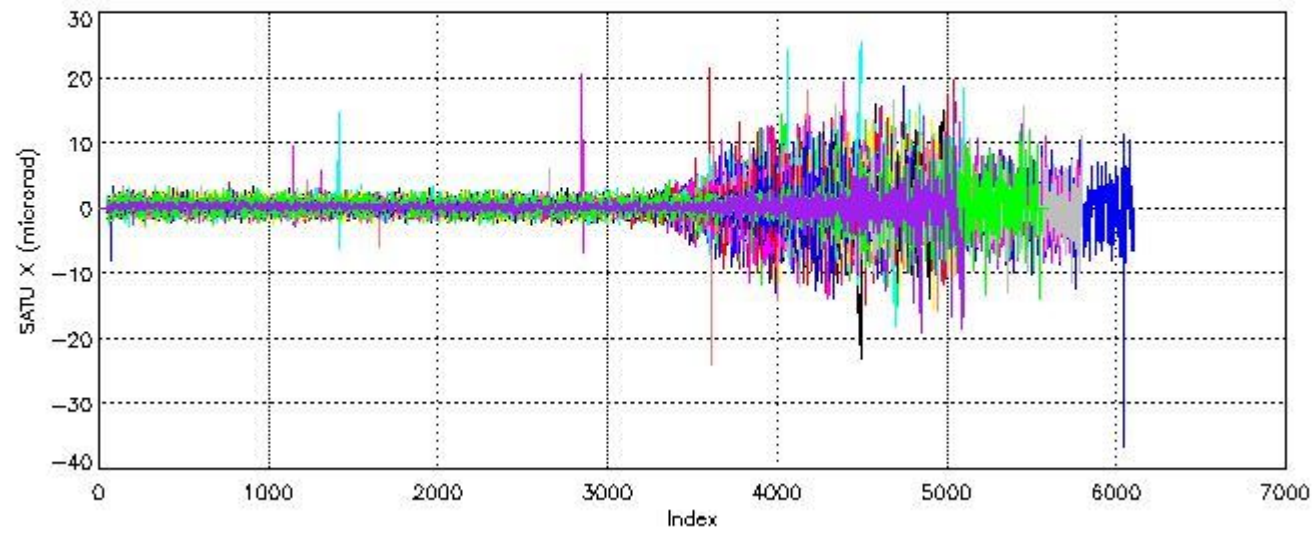


7. Star Acquisition and Tracking Unit (SATU)

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:	0.21598	-0.082159	0.16688	-0.19401
St. deviation:	0.51112	2.2996	0.80918	2.5379
Maximum:	9.4000	11.200	5.8000	10.900
Minimum:	-8.0000	-12.700	-5.3000	-12.600

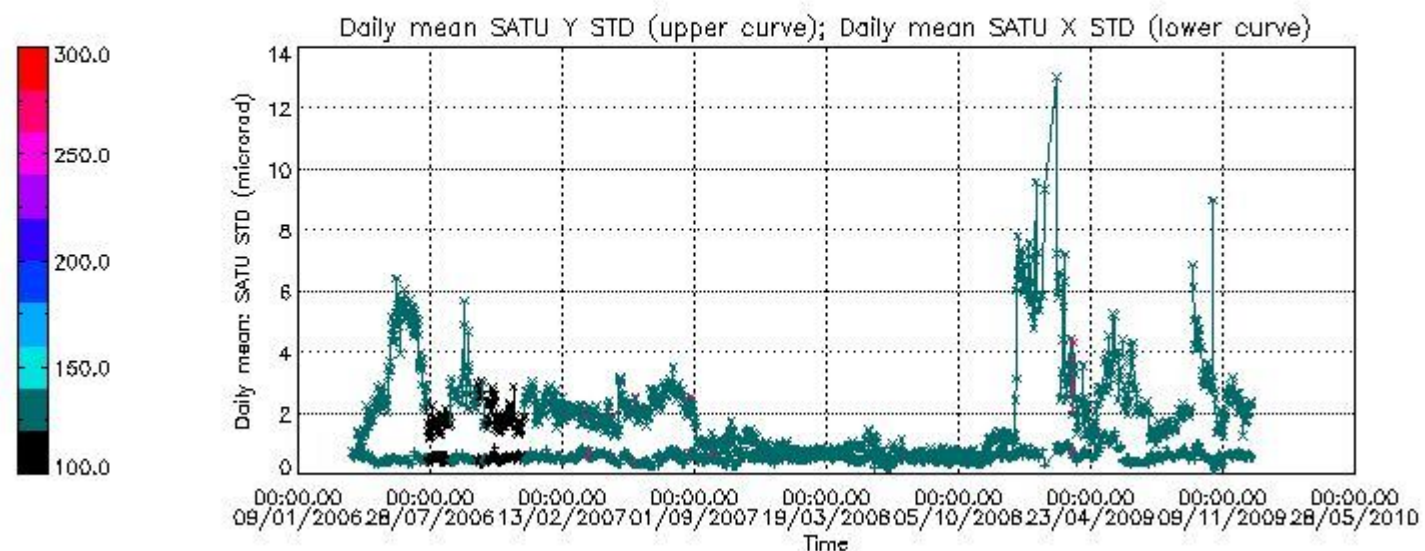
Number of data:	54700.	54700.	51150.	51150.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

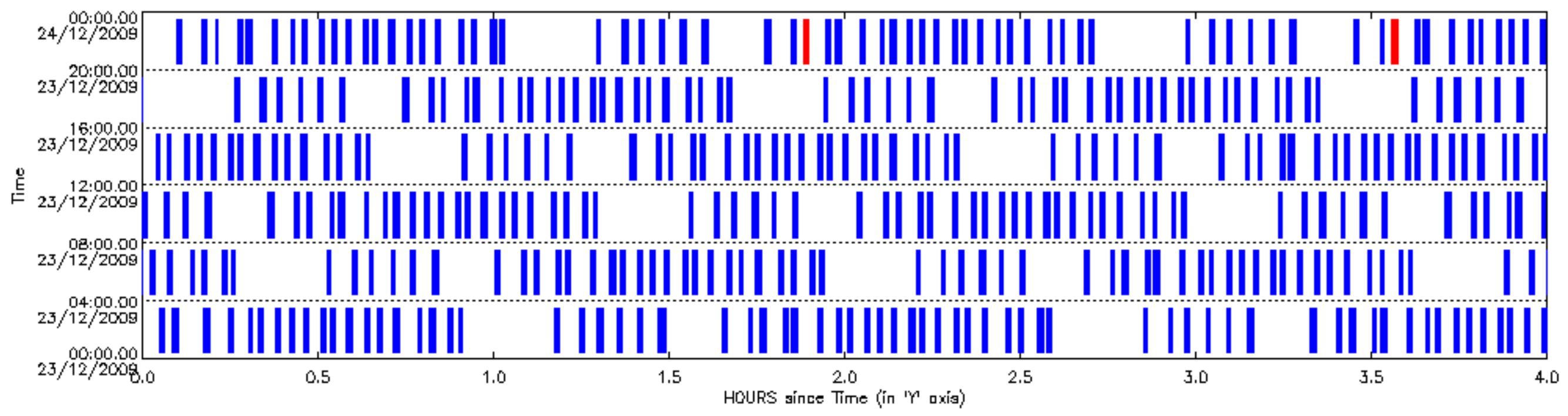
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

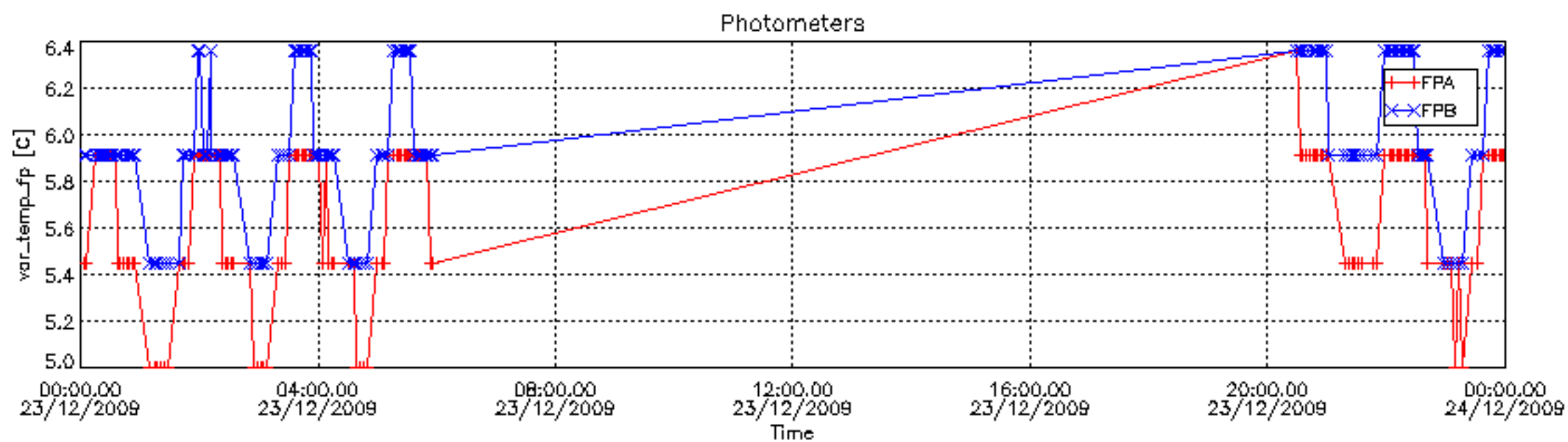
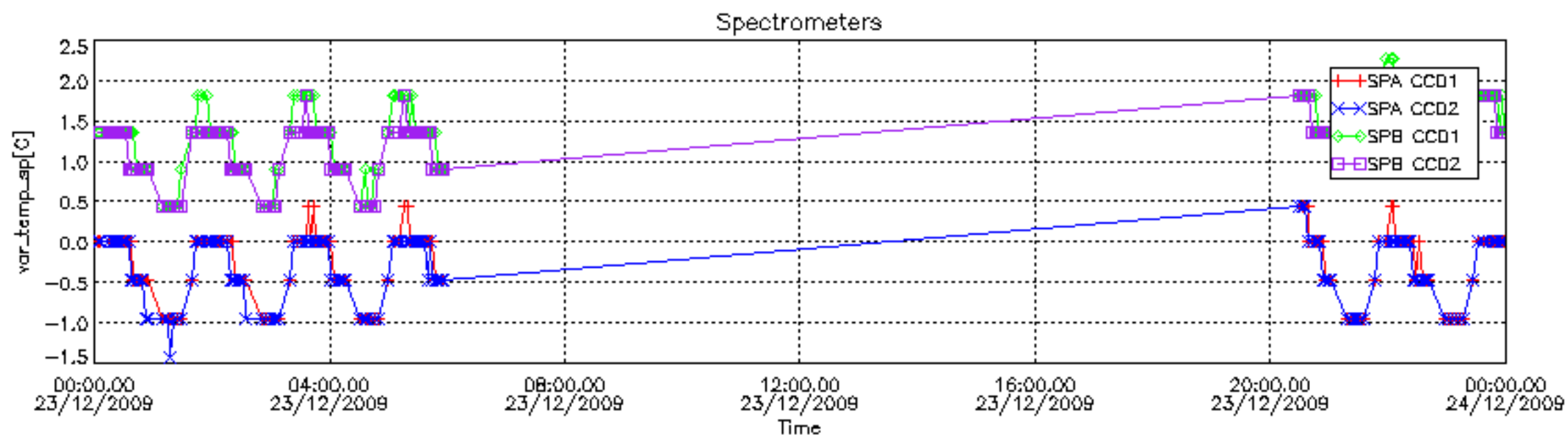


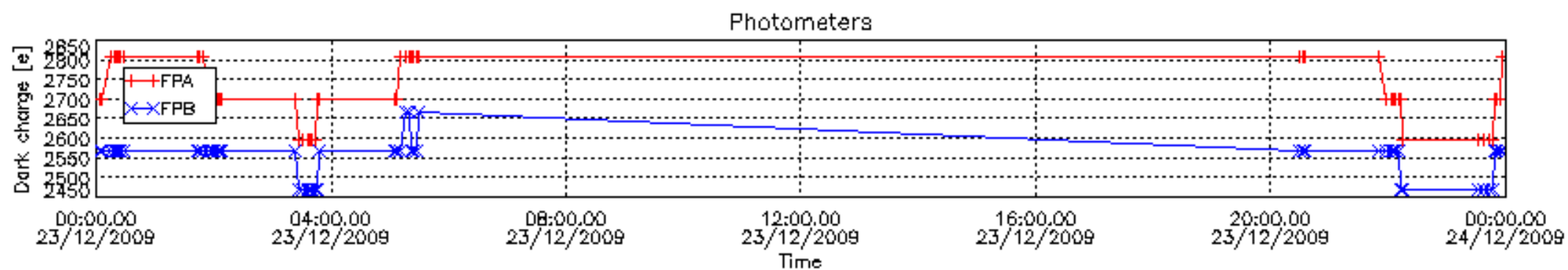
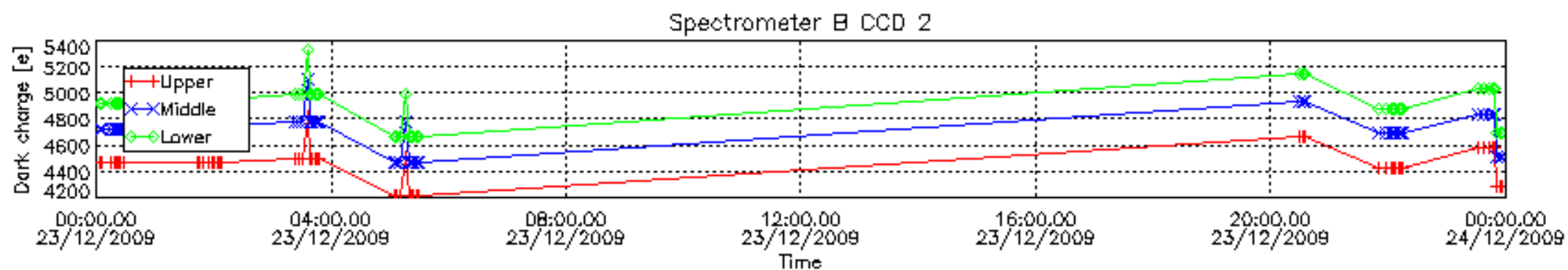
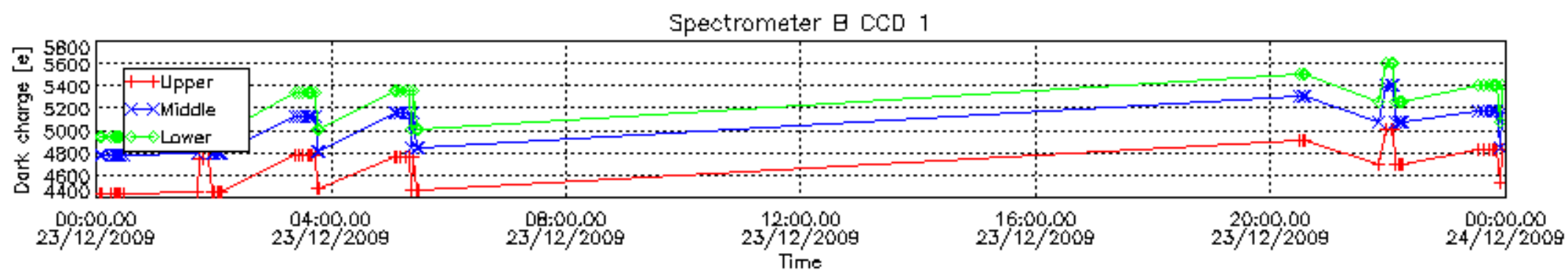
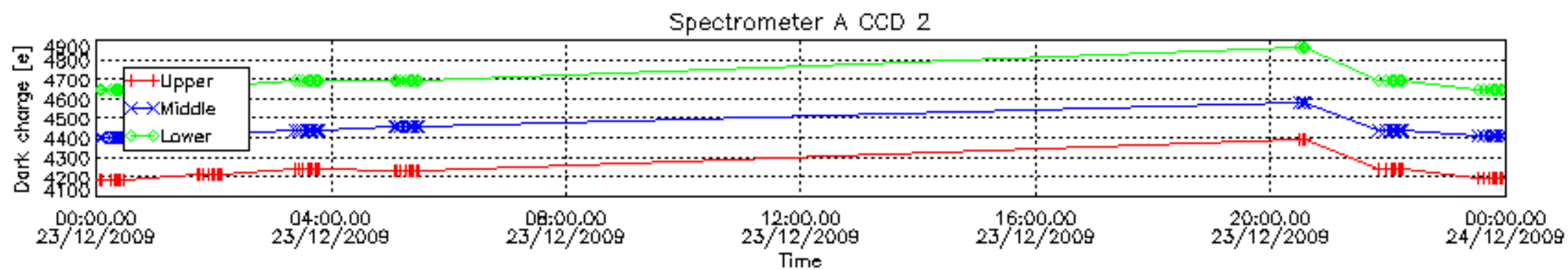
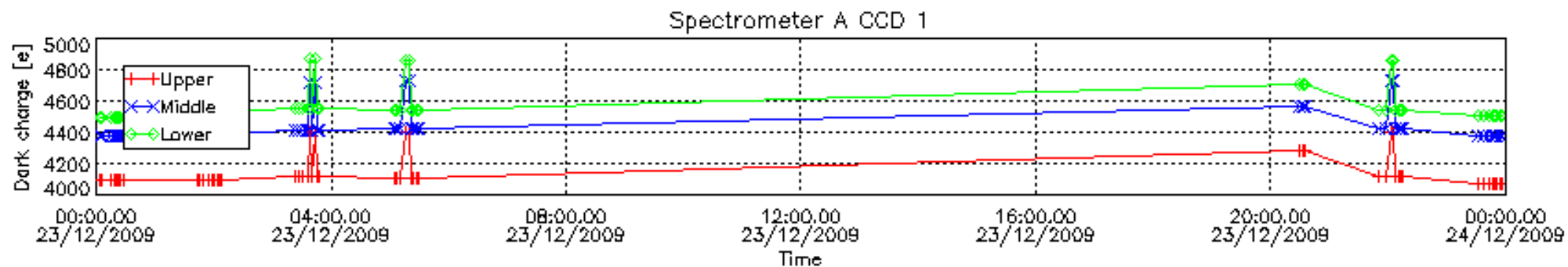
8. Auxiliary Data Files used for the production reported in section 2.4

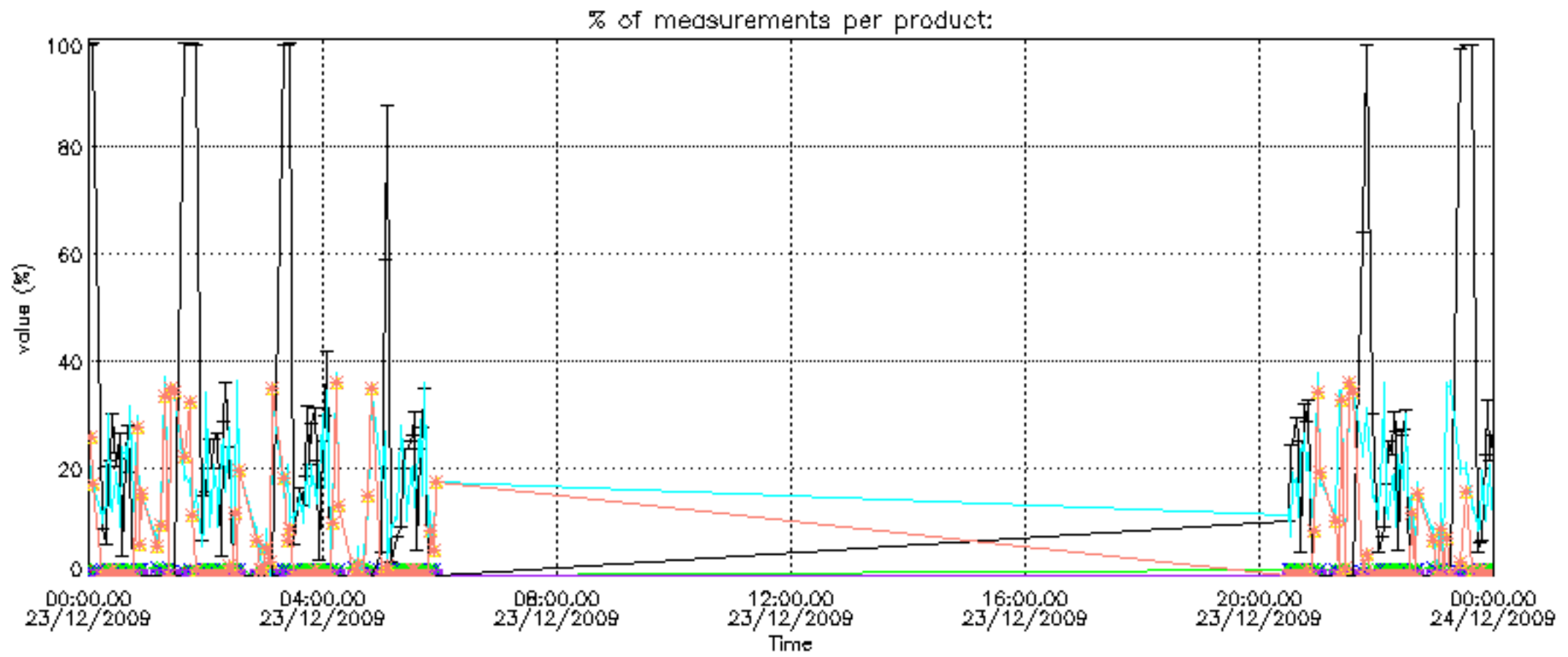
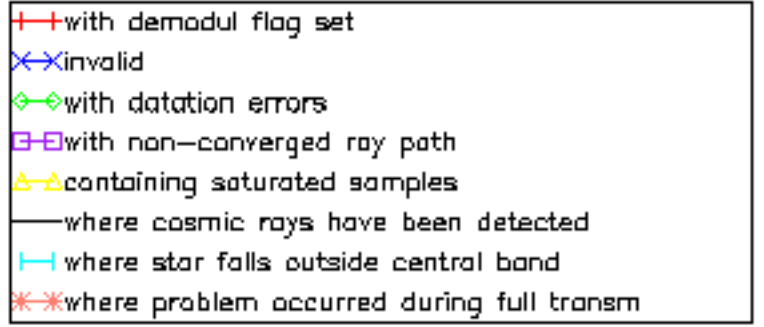
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-DEC-2009 00:02:52
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091214_085046_20091212_000000_20500101_000000	1	23-DEC-2009 00:02:52
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	23-DEC-2009 00:02:52
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	23-DEC-2009 00:02:52
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	23-DEC-2009 00:02:52
ECMWF_FILE	AUX_ECF_AXNECM20091222_111916_20091222_210000_20091223_090000	1	23-DEC-2009 00:02:52
ECMWF_FILE	AUX_ECF_AXNECM20091223_052106_20091223_030000_20091223_150000	71	23-DEC-2009 04:31:36
ECMWF_FILE	AUX_ECF_AXNECM20091223_162115_20091223_150000_20091224_030000	97	23-DEC-2009 20:30:05
ECMWF_FILE	AUX_ECF_AXNECM20091223_162116_20091223_210000_20091224_090000	116	23-DEC-2009 21:46:17
OPTIONAL_ECMWF_FILE	MISSING	1	23-DEC-2009 00:02:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091222_235223_000057382085_00216_40851_9413.N1	1	23-DEC-2009 00:02:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091223_013320_000044632085_00217_40852_9414.N1	25	23-DEC-2009 01:38:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091223_025302_000054192085_00218_40853_9415.N1	46	23-DEC-2009 02:55:16
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091223_012104_20091222_190656_20100101_203310	71	23-DEC-2009 04:31:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091223_202503_000041442085_00229_40864_9417.N1	97	23-DEC-2009 20:30:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091223_213926_000060572085_00229_40864_9418.N1	116	23-DEC-2009 21:46:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091223_232023_000060572085_00230_40865_9419.N1	141	23-DEC-2009 23:26:54

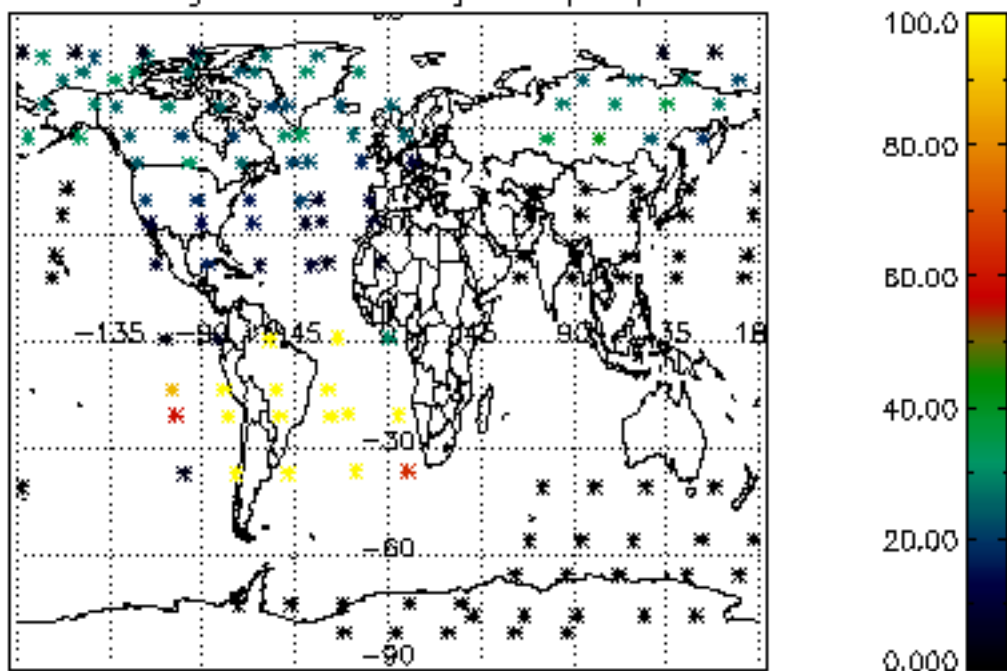




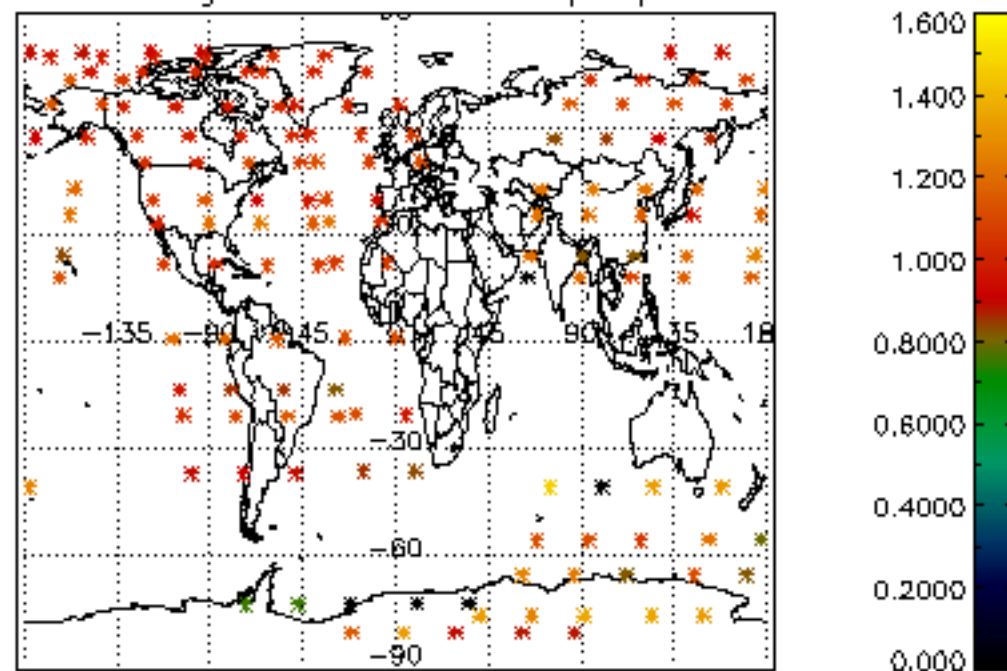




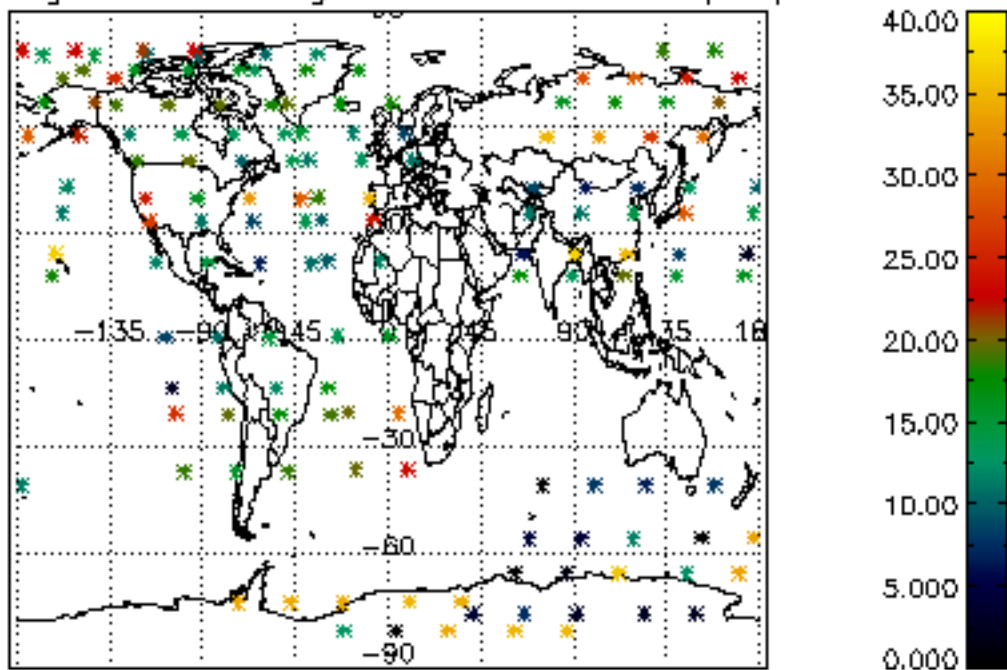
Percentage of cosmic ray hits per profile



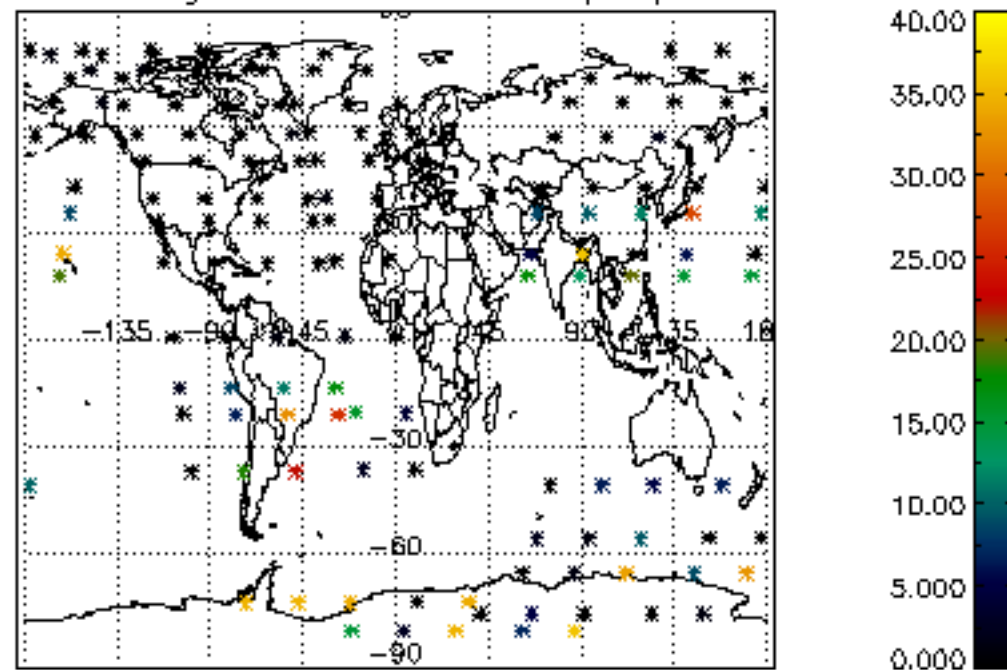
Percentage of datation errors per profile



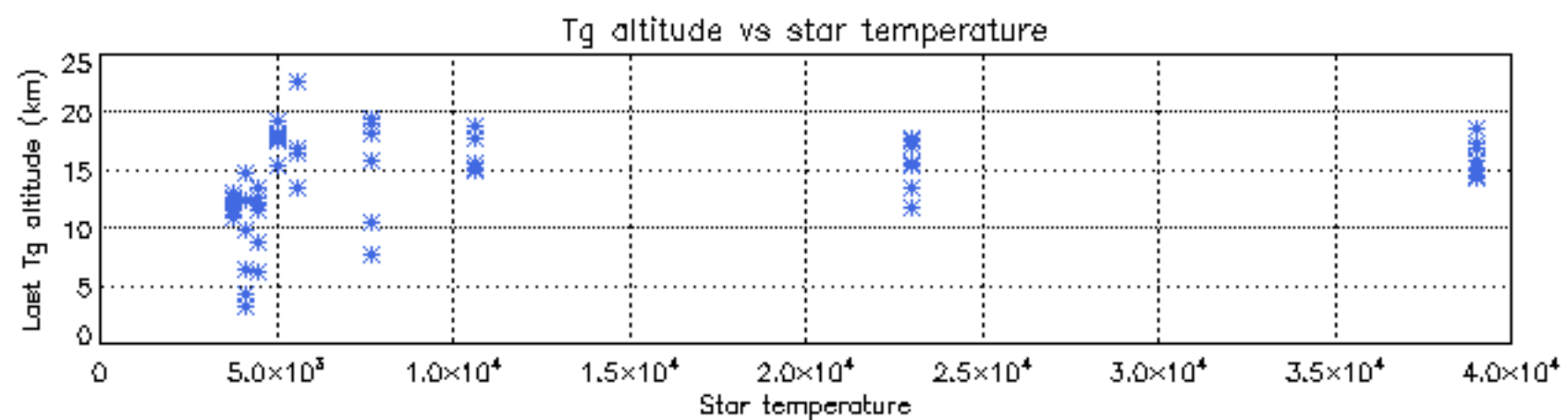
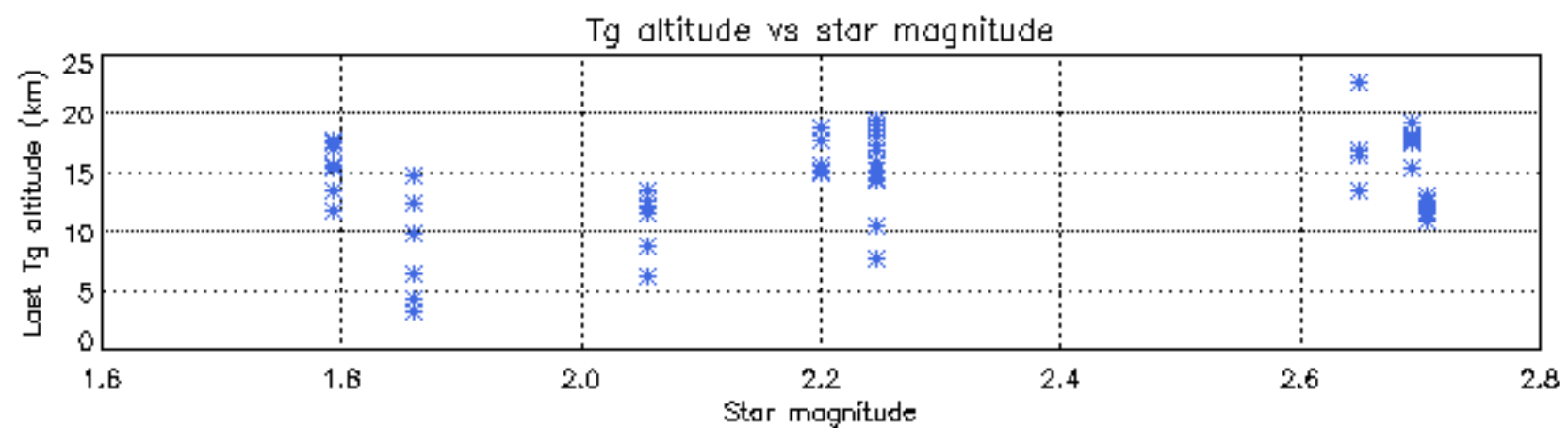
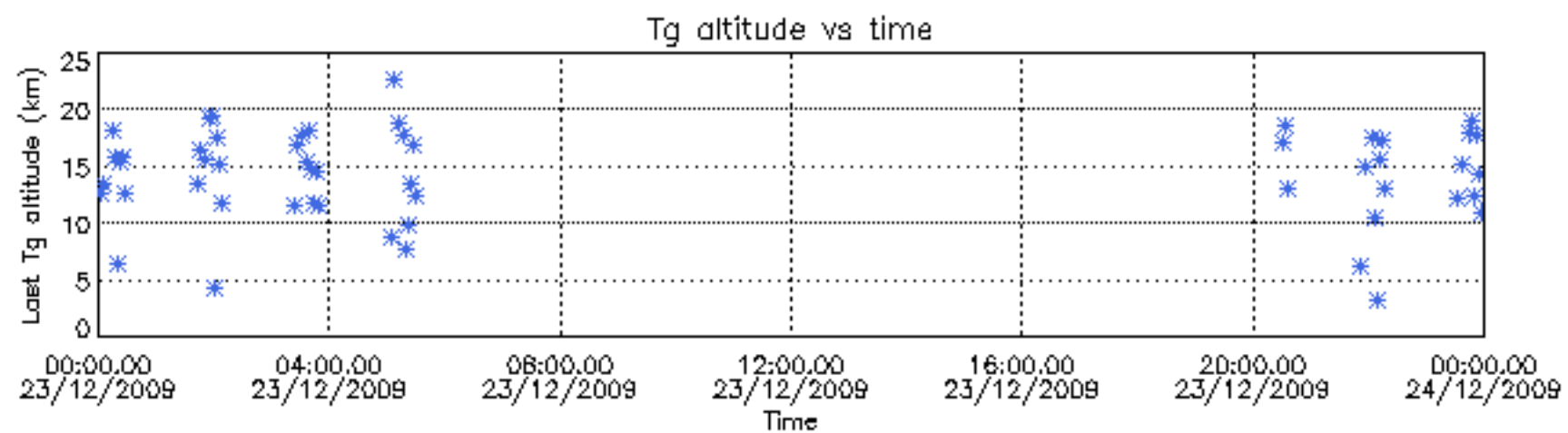
Percentage of star falling outside central band per profile



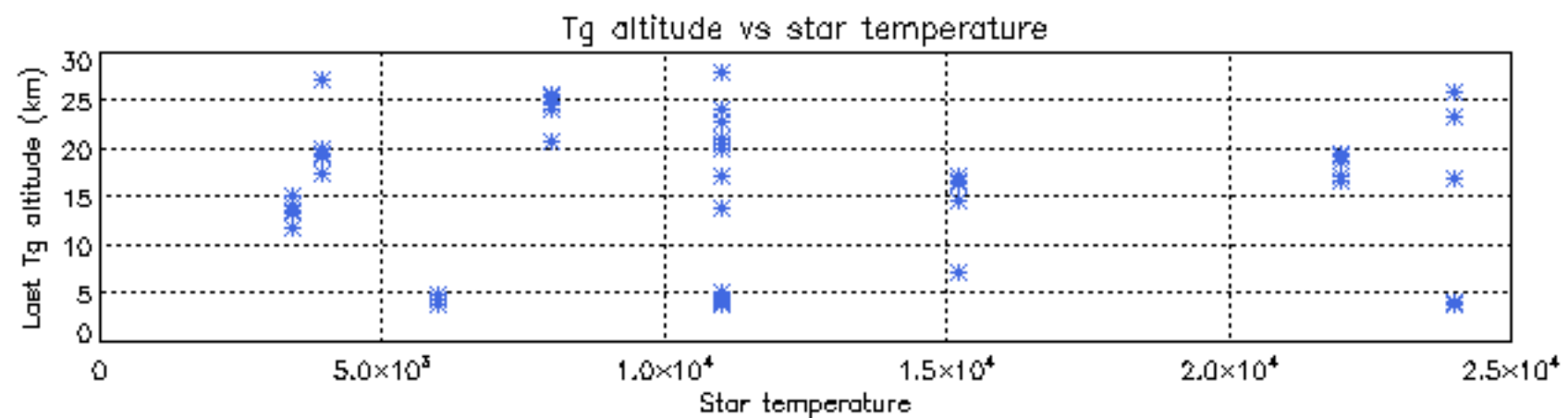
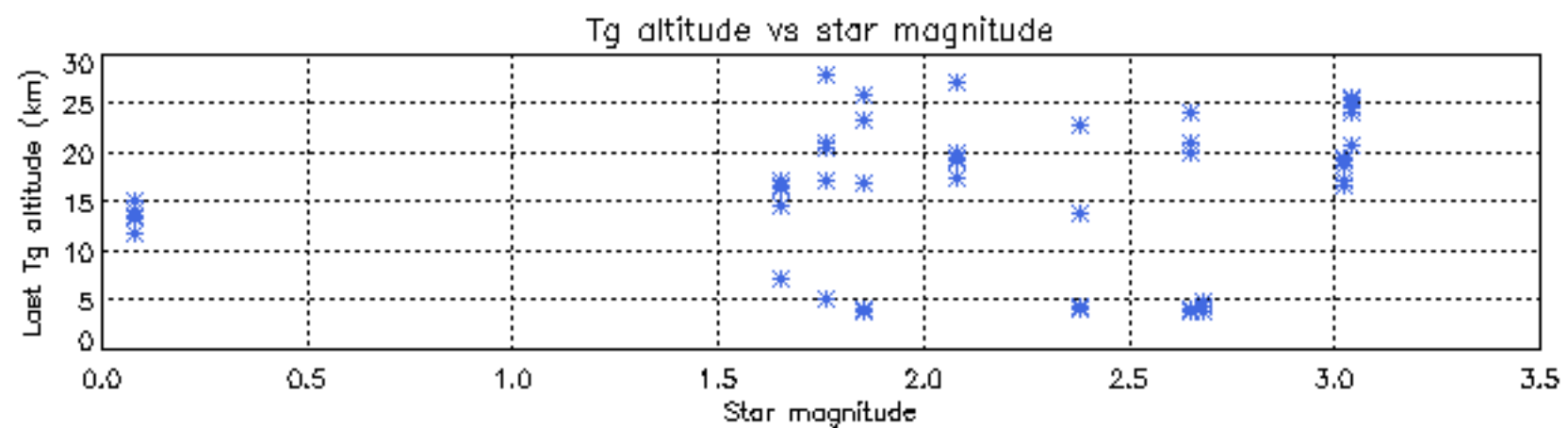
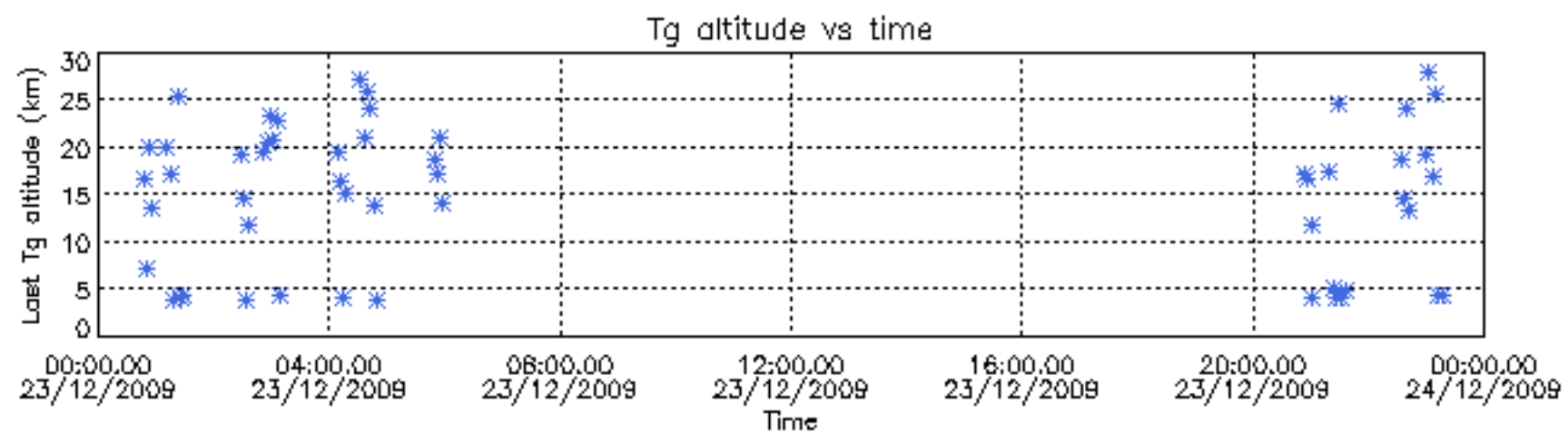
Percentage of saturation errors per profile

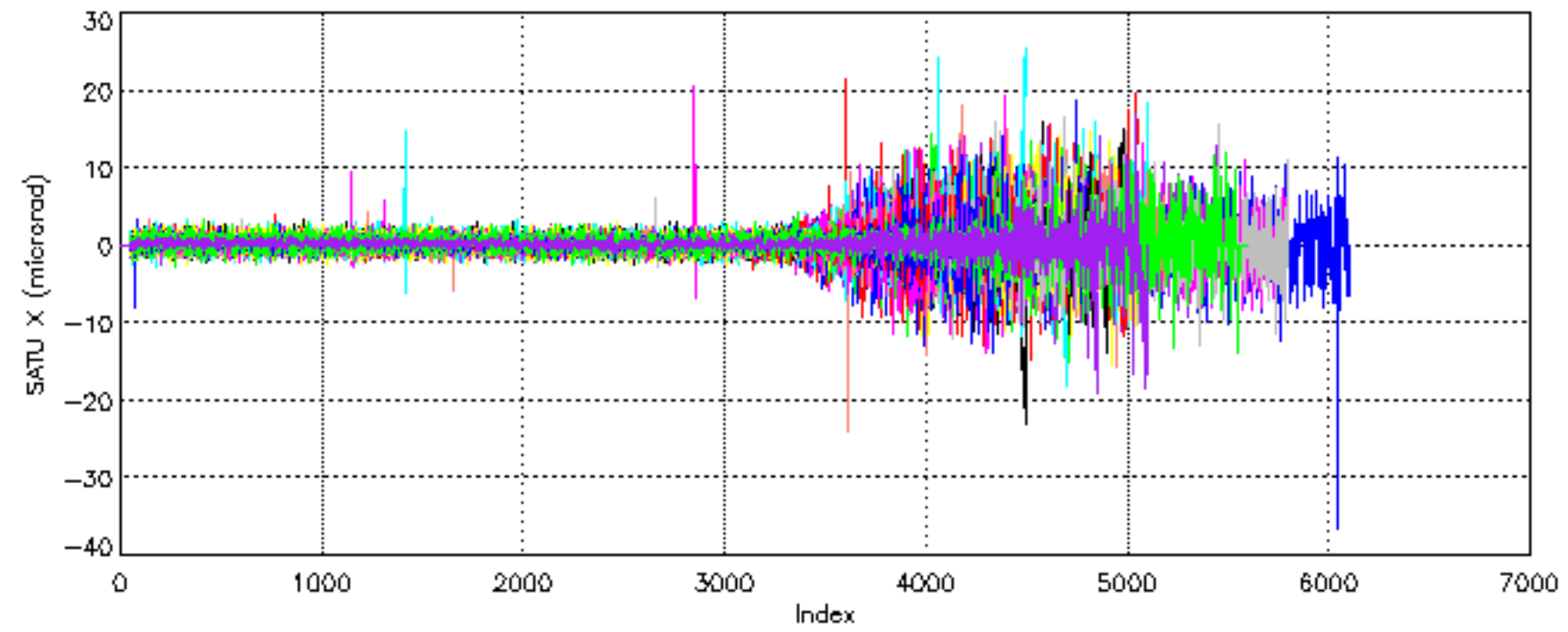


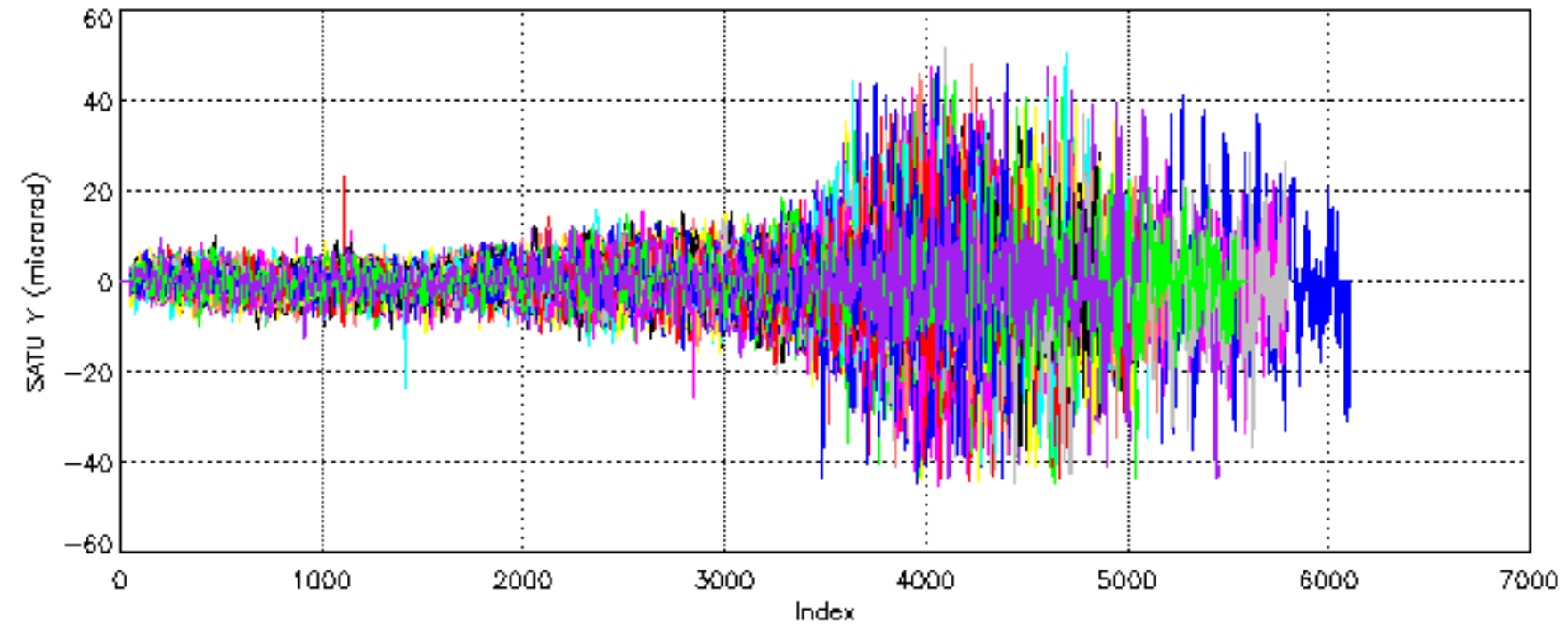
Tangent altitude at which the star is lost

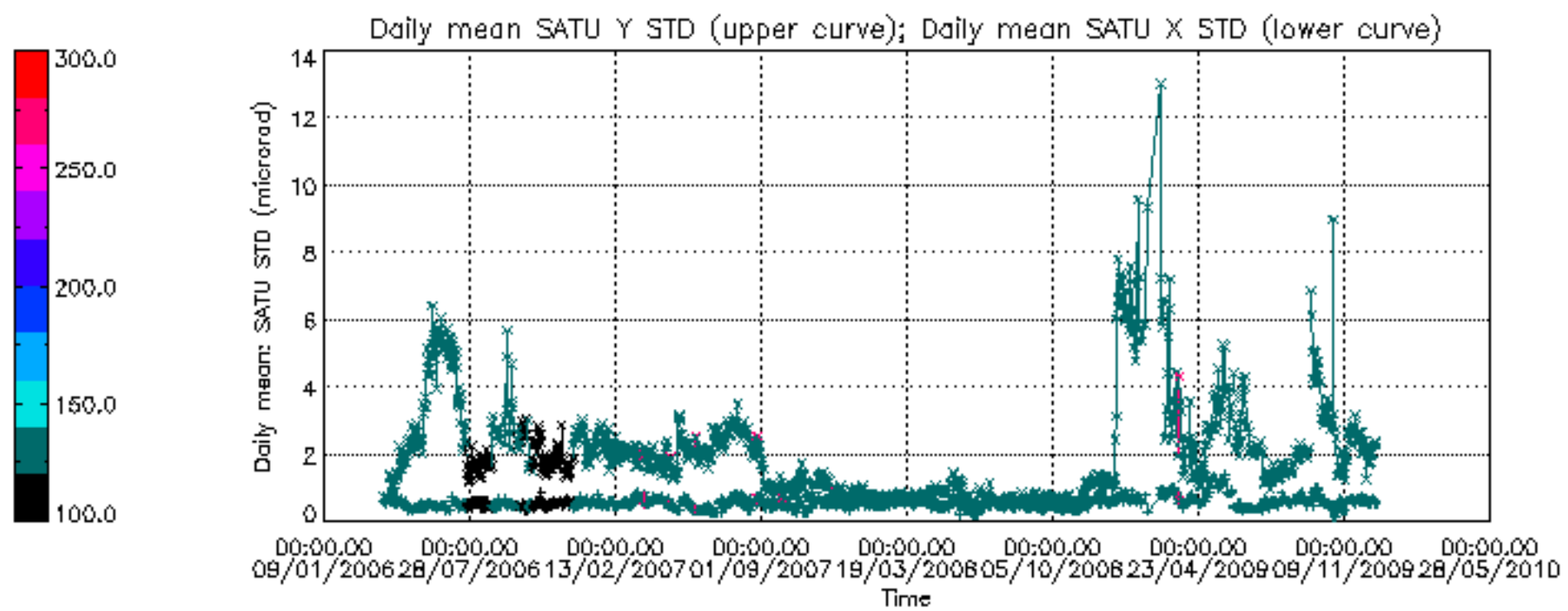


Tangent altitude at which the star is lost









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 3; 88.7; 01-DEC-2009 01:42:10; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;40538
 4; 407.7; 01-DEC-2009 01:47:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40538
 5; 605.8; 01-DEC-2009 01:50:47; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;40538
 6; 711.5; 01-DEC-2009 01:52:32; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;40538
 7; 919.9; 01-DEC-2009 01:56:01; Dark ; 62.0; 117; Pi Pup ; 2.71; 3800;occ; 124; 0;40538
 8; 1147.6; 01-DEC-2009 01:59:49; Dark ; 69.0; 23; 21Eps CMa ; 1.50; 26000;occ; 138; 0;40538
 9; 1535.7; 01-DEC-2009 02:06:17; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;40538
 10; 1752.0; 01-DEC-2009 02:09:53; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;40538
 11; 1933.1; 01-DEC-2009 02:12:54; Dark ; 62.5; 30; 46Eps Ori ; 1.69; 30000;occ; 125; 0;40538
 12; 2096.1; 01-DEC-2009 02:15:37; Dark ; 66.0; 27; 24Gam Ori ; 1.64; 26000;occ; 132; 0;40538
 13; 2231.9; 01-DEC-2009 02:17:53; Bright; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;40538
 14; 2328.4; 01-DEC-2009 02:19:29; Bright; 39.0; 146; 25Eta Tau ; 2.87; 15200;occ; 78; 0;40538
 15; 2470.7; 01-DEC-2009 02:21:52; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;40538
 16; 2616.0; 01-DEC-2009 02:24:17; Bright; 39.5; 149; 45Eps Per ; 2.89; 30000;occ; 79; 0;40538
 17; 2847.4; 01-DEC-2009 02:28:08; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40538
 18; 2957.0; 01-DEC-2009 02:29:58; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;40538
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 2; -2118.8; 01-DEC-2009 02:45:58; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;40538
 3; -2021.4; 01-DEC-2009 02:47:36; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40538
 4; -1848.5; 01-DEC-2009 02:50:28; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;40538
 5; -1687.8; 01-DEC-2009 02:53:09; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;40538
 6; -1112.5; 01-DEC-2009 03:02:44; Bright; 55.5; 62; 94Bet Leo ; 2.14; 9700;occ; 111; 0;40538
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 10; 89.2; 01-DEC-2009 03:22:46; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40539
 11; 408.5; 01-DEC-2009 03:28:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40539
 12; 607.0; 01-DEC-2009 03:31:24; Dark ; 59.5; 34; Gam2Vel ; 1.79; 23000;occ; 119; 0;40539
 13; 712.6; 01-DEC-2009 03:33:09; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;40539
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 17; 1752.3; 01-DEC-2009 03:50:29; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;40539
 18; 1932.8; 01-DEC-2009 03:53:30; Dark ; 65.5; 30; 46Eps Ori ; 1.69; 30000;occ; 131; 0;40539
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 8; -573.7; 01-DEC-2009 04:52:19; Dark ; 49.5; 100; 4Gam Crv ; 2.58; 13100;occ; 99; 0;40539
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 10; 90.1; 01-DEC-2009 05:03:23; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;40540
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 19; 2095.2; 01-DEC-2009 05:36:48; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;40540
 20; 2231.3; 01-DEC-2009 05:39:04; Bright; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;40540
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24; 2846.2; 01-DEC-2009 05:49:19; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;40540
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3; 98.0; 01-DEC-2009 21:49:30; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40550
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5; 616.5; 01-DEC-2009 21:58:09; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40550
6; 723.9; 01-DEC-2009 21:59:56; Dark ; 56.0; 70; Zet Pup ; 2.25; 39000;occ; 112; 0;40550
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13; 4331.7; 11-DEC-2009 12:42:05; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40687
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22; 6249.0; 11-DEC-2009 13:14:03; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40687
23; 6492.6; 11-DEC-2009 13:18:06; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40687
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27; 7066.0; 11-DEC-2009 13:27:40; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40687
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6; 2355.0; 11-DEC-2009 13:49:44; Bright; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;40688
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9; 2766.3; 11-DEC-2009 13:56:36; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;40688


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12; 4140.3; 11-DEC-2009 14:19:30; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;40688
13; 4332.0; 11-DEC-2009 14:22:41; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;40688
14; 4711.8; 11-DEC-2009 14:29:01; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40688
15; 4929.8; 11-DEC-2009 14:32:39; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40688
16; 5230.2; 11-DEC-2009 14:37:40; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40688
17; 5492.8; 11-DEC-2009 14:42:02; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40688
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19; 5703.8; 11-DEC-2009 14:45:33; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40688
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22; 6249.9; 11-DEC-2009 14:54:39; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40688
23; 6493.4; 11-DEC-2009 14:58:43; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40688
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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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12; 4139.3; 13-DEC-2009 11:35:39; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40715
13; 4334.7; 13-DEC-2009 11:38:55; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;40715
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 15; 5354.1; 18-DEC-2009 12:39:02; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;40787
 16; 5564.6; 18-DEC-2009 12:42:32; Dark ; 47.5; 169; 46Gam Hya ; 2.99; 4700;occ; 95; 0;40787
 17; 5726.8; 18-DEC-2009 12:45:14; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40787
 18; 5999.8; 18-DEC-2009 12:49:47; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40787
 19; 6099.9; 18-DEC-2009 12:51:27; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40787
 20; 6337.6; 18-DEC-2009 12:55:25; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40787
 21; 6554.8; 18-DEC-2009 12:59:02; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40787
 22; 6641.4; 18-DEC-2009 13:00:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40787
 23; 6837.7; 18-DEC-2009 13:03:45; Dark ; 53.0; 34; Gam2Vel ; 1.79; 23000;occ; 106; 0;40787
 24; 6966.7; 18-DEC-2009 13:05:54; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40787
 25; 7123.5; 18-DEC-2009 13:08:31; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40787
 26; 7313.8; 18-DEC-2009 13:11:41; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;40787
 27; 7418.7; 18-DEC-2009 13:13:26; Dark ; 52.5; 179; 240mi2CMA ; 3.03; 24000;occ; 105; 0;40787
 28; 7594.7; 18-DEC-2009 13:16:22; Dark ; 8.5; 1; 9Alp CMA ; -1.44; 11000;occ; 17; 0;40787

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 2; 1751.5; 18-DEC-2009 13:19:35; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;40788
 3; 1882.1; 18-DEC-2009 13:21:46; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;40788
 4; 2063.5; 18-DEC-2009 13:24:47; Dark ; 56.5; 14; 58Alp Ori ; 0.87; 3000;occ; 113; 0;40788
 5; 2188.7; 18-DEC-2009 13:26:52; Dark ; 44.0; 13; 87Alp Tau ; 0.87; 3800;occ; 88; 0;40788
 6; 2311.4; 18-DEC-2009 13:28:55; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40788
 7; 2435.0; 18-DEC-2009 13:30:58; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;40788
 8; 2643.4; 18-DEC-2009 13:34:27; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;40788
 9; 2774.9; 18-DEC-2009 13:36:38; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40788
 10; 3703.8; 18-DEC-2009 13:52:07; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;40788
 11; 3974.1; 18-DEC-2009 13:56:37; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40788
 12; 4135.2; 18-DEC-2009 13:59:19; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;40788
 13; 4341.1; 18-DEC-2009 14:02:45; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;40788
 14; 4537.2; 18-DEC-2009 14:06:01; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;40788
 15; 4742.3; 18-DEC-2009 14:09:26; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;40788
 16; 5354.8; 18-DEC-2009 14:19:38; Dark ; 56.0; 15; 67Alp Vir ; 0.98; 28000;occ; 112; 0;40788
 17; 5565.5; 18-DEC-2009 14:23:09; Dark ; 47.5; 169; 46Gam Hya ; 2.99; 4700;occ; 95; 0;40788
 18; 5728.0; 18-DEC-2009 14:25:51; Dark ; 53.0; 106; 9Bet Crv ; 2.65; 5600;occ; 106; 0;40788

19; 6000.5; 18-DEC-2009 14:30:24; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40788
 20; 6100.8; 18-DEC-2009 14:32:04; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;40788
 21; 6338.6; 18-DEC-2009 14:36:02; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;40788
 22; 6555.5; 18-DEC-2009 14:39:39; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40788
 23; 6642.2; 18-DEC-2009 14:41:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40788
 24; 6838.3; 18-DEC-2009 14:44:22; Dark ; 52.5; 34; Gam2Vel ; 1.79; 23000;occ; 105; 0;40788
 25; 6967.6; 18-DEC-2009 14:46:31; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40788
 26; 7124.2; 18-DEC-2009 14:49:08; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40788
 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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 2; 1558.9; 18-DEC-2009 14:56:58; Dark ; 61.0; 1; 9Alp CMA ; -1.44; 11000;occ; 122; 0;40789
 3; 1751.6; 18-DEC-2009 15:00:11; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40789
 4; 1881.8; 18-DEC-2009 15:02:21; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;40789
 5; 2063.1; 18-DEC-2009 15:05:22; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;40789
 6; 2188.6; 18-DEC-2009 15:07:28; Dark ; 45.5; 13; 87Alp Tau ; 0.87; 3800;occ; 91; 0;40789
 7; 2311.0; 18-DEC-2009 15:09:30; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40789
 8; 2434.6; 18-DEC-2009 15:11:34; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40789
 9; 2643.0; 18-DEC-2009 15:15:02; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40789
 10; 2774.5; 18-DEC-2009 15:17:14; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;40789
 11; 3703.9; 18-DEC-2009 15:32:43; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40789
 12; 3974.0; 18-DEC-2009 15:37:13; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40789
 13; 4135.1; 18-DEC-2009 15:39:54; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40789
 14; 4341.2; 18-DEC-2009 15:43:21; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40789
 15; 4537.6; 18-DEC-2009 15:46:37; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;40789
 16; 4742.7; 18-DEC-2009 15:50:02; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;40789
 17; 5355.7; 18-DEC-2009 16:00:15; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;40789
 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
 20; 6001.2; 18-DEC-2009 16:11:01; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;40789
 21; 6101.6; 18-DEC-2009 16:12:41; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;40789
 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
 24; 6643.0; 18-DEC-2009 16:21:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40789
 25; 6839.1; 18-DEC-2009 16:24:58; Dark ; 51.5; 34; Gam2Vel ; 1.79; 23000;occ; 103; 0;40789
 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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1; 1278.8; 18-DEC-2009 16:32:54; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;40790
 2; 1383.8; 18-DEC-2009 16:34:39; Dark ; 52.0; 179; 240mi2CMA ; 3.03; 24000;occ; 104; 0;40790
 3; 1559.0; 18-DEC-2009 16:37:34; Dark ; 60.5; 1; 9Alp CMA ; -1.44; 11000;occ; 121; 0;40790
 4; 1751.8; 18-DEC-2009 16:40:47; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;40790
 5; 1882.0; 18-DEC-2009 16:42:57; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40790
 6; 2062.8; 18-DEC-2009 16:45:58; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;40790
 7; 2188.4; 18-DEC-2009 16:48:04; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40790
 8; 2310.5; 18-DEC-2009 16:50:06; Bright; 41.0; 176; 23Zet Tau ; 3.02; 22000;occ; 82; 0;40790
 9; 2434.3; 18-DEC-2009 16:52:10; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40790
 10; 2642.4; 18-DEC-2009 16:55:38; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;40790
 11; 2773.8; 18-DEC-2009 16:57:49; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;40790
 12; 3703.9; 18-DEC-2009 17:13:19; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40790
 13; 3973.7; 18-DEC-2009 17:17:49; Bright; 63.0; 32; 77Eps UMa ; 1.76; 11000;occ; 126; 0;40790
 14; 4134.9; 18-DEC-2009 17:20:30; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;40790
 15; 4341.5; 18-DEC-2009 17:23:57; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;40790
 16; 4537.8; 18-DEC-2009 17:27:13; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40790
 17; 4743.0; 18-DEC-2009 17:30:38; Bright; 50.0; 111; 8Eta Boo ; 2.68; 6000;occ; 100; 0;40790
 18; 5356.5; 18-DEC-2009 17:40:52; Dark ; 57.5; 15; 67Alp Vir ; 0.98; 28000;occ; 115; 0;40790
 19; 5567.2; 18-DEC-2009 17:44:23; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40790
 20; 5730.6; 18-DEC-2009 17:47:06; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;40790
 21; 6001.9; 18-DEC-2009 17:51:37; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40790
 22; 6102.3; 18-DEC-2009 17:53:18; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40790
 23; 6340.5; 18-DEC-2009 17:57:16; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40790
 24; 6556.8; 18-DEC-2009 18:00:52; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;40790
 25; 6643.7; 18-DEC-2009 18:02:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40790
 26; 6839.8; 18-DEC-2009 18:05:35; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40790
 27; 6969.2; 18-DEC-2009 18:07:45; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;40790
 28; 7125.4; 18-DEC-2009 18:10:21; Dark ; 32.5; 117; Pi Pup ; 2.71; 3800;occ; 65; 0;40790

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 2; 1279.2; 18-DEC-2009 18:13:31; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40791
 3; 1384.3; 18-DEC-2009 18:15:16; Dark ; 49.0; 179; 240mi2CMa ; 3.03; 24000;occ; 98; 0;40791
 4; 1559.3; 18-DEC-2009 18:18:11; Dark ; 60.5; 1; 9Alp CMa ; -1.44; 11000;occ; 121; 0;40791
 5; 1751.8; 18-DEC-2009 18:21:23; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40791
 6; 1881.9; 18-DEC-2009 18:23:33; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40791
 7; 2062.6; 18-DEC-2009 18:26:34; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;40791
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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
 10; 2434.0; 18-DEC-2009 18:32:45; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40791
 11; 2642.0; 18-DEC-2009 18:36:13; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40791
 12; 2773.4; 18-DEC-2009 18:38:25; Bright; 41.5; 42; 34Bet Aur ; 1.90; 10200;occ; 83; 0;40791
 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
 18; 4743.5; 18-DEC-2009 19:11:15; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;40791
 19; 5357.3; 18-DEC-2009 19:21:29; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40791
 20; 5567.9; 18-DEC-2009 19:24:59; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;40791
 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
 24; 6341.4; 18-DEC-2009 19:37:53; Dark ; 55.5; 113; Mu Vel ; 2.69; 5000;occ; 111; 0;40791
 25; 6557.4; 18-DEC-2009 19:41:29; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40791
 26; 6644.4; 18-DEC-2009 19:42:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40791
 27; 6840.4; 18-DEC-2009 19:46:12; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 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
 6; 308.0; 19-DEC-2009 00:39:43; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40795
 7; 523.3; 19-DEC-2009 00:43:18; Dark ; 47.0; 71; Iot Car ; 2.25; 7700;occ; 94; 0;40795
 8; 610.6; 19-DEC-2009 00:44:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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
 11; 1091.1; 19-DEC-2009 00:52:46; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;40795
 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
 14; 1559.4; 19-DEC-2009 01:00:34; Dark ; 60.0; 1; 9Alp CMa ; -1.44; 11000;occ; 120; 0;40795
 15; 1752.0; 19-DEC-2009 01:03:47; Dark ; 45.0; 7; 19Bet Ori ; 0.10; 14000;occ; 90; 0;40795
 16; 1881.3; 19-DEC-2009 01:05:56; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40795
 17; 2061.4; 19-DEC-2009 01:08:56; Dark ; 59.5; 14; 58Alp Ori ; 0.87; 3000;occ; 119; 0;40795
 18; 2188.2; 19-DEC-2009 01:11:03; Dark ; 52.0; 13; 87Alp Tau ; 0.87; 3800;occ; 104; 0;40795
 19; 2308.7; 19-DEC-2009 01:13:04; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40795
 20; 2432.7; 19-DEC-2009 01:15:08; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40795
 21; 2639.5; 19-DEC-2009 01:18:34; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40795
 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
 24; 3972.3; 19-DEC-2009 01:40:47; Bright; 55.5; 32; 77Eps UMa ; 1.76; 11000;occ; 111; 0;40795
 25; 4134.4; 19-DEC-2009 01:43:29; Bright; 53.5; 39; 85Eta UMa ; 1.85; 24000;occ; 107; 0;40795
 26; 4341.7; 19-DEC-2009 01:46:57; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40795
 27; 4538.5; 19-DEC-2009 01:50:13; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;40795
 28; 4744.6; 19-DEC-2009 01:53:40; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;40795

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 3; -299.7; 19-DEC-2009 02:10:11; Dark ; 53.5; 106; 9Bet Crv ; 2.65; 5600;occ; 107; 0;40795
 4; -31.0; 19-DEC-2009 02:14:40; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40795
 5; 69.7; 19-DEC-2009 02:16:21; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;40796
 6; 308.9; 19-DEC-2009 02:20:20; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40796
 7; 523.7; 19-DEC-2009 02:23:55; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40796
 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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 12; 1281.3; 19-DEC-2009 02:36:32; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40796
 13; 1385.5; 19-DEC-2009 02:38:16; Dark ; 51.0; 179; 240mi2CMa ; 3.03; 24000;occ; 102; 0;40796
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 6;-1290.6; 19-DEC-2009 05:14:52; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;40797
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 19; 1386.2; 19-DEC-2009 05:59:29; Dark ; 51.5; 179; 240mi2CMa ; 3.03; 24000;occ; 103; 0;40798
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3; 1285.4; 19-DEC-2009 21:03:12; Dark ; 50.5; 23; 21Eps CMa ; 1.50; 26000;occ; 101; 0;40807
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7; 1880.8; 19-DEC-2009 21:13:07; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40807
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12; 2633.4; 19-DEC-2009 21:25:40; Bright; 63.0; 107; 37The Aur ; 2.65; 11000;occ; 126; 0;40807
13; 2723.8; 19-DEC-2009 21:27:10; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;40807
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17; 4342.6; 19-DEC-2009 21:54:09; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40807
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26; 4343.0; 19-DEC-2009 23:34:45; Bright; 50.5; 180; 27Gam Boo ; 3.04; 8000;occ; 101; 0;40808
27; 4540.8; 19-DEC-2009 23:38:03; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;40808
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6; 320.8; 20-DEC-2009 00:08:19; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40809
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2; 1118.2; 22-DEC-2009 21:06:10; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;40850
3; 1300.6; 22-DEC-2009 21:09:12; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;40850
4; 1401.2; 22-DEC-2009 21:10:53; Dark ; 51.0; 179; 240mi2CMA ; 3.03; 24000;occ; 102; 0;40850
5; 1566.0; 22-DEC-2009 21:13:38; Dark ; 56.0; 1; 9Alp CMA ; -1.44; 11000;occ; 112; 0;40850
6; 1755.6; 22-DEC-2009 21:16:47; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40850
7; 1879.1; 22-DEC-2009 21:18:51; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40850
8; 2048.9; 22-DEC-2009 21:21:40; Dark ; 52.0; 14; 58Alp Ori ; 0.87; 3000;occ; 104; 0;40850
9; 2292.7; 22-DEC-2009 21:25:44; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40850
10; 2417.5; 22-DEC-2009 21:27:49; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40850
11; 2612.7; 22-DEC-2009 21:31:04; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40850
12; 2712.8; 22-DEC-2009 21:32:44; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;40850
13; 3700.9; 22-DEC-2009 21:49:12; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;40850
14; 3957.4; 22-DEC-2009 21:53:29; Bright; 49.0; 32; 77Eps UMa ; 1.76; 11000;occ; 98; 0;40850
15; 4129.1; 22-DEC-2009 21:56:21; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40850
16; 4345.9; 22-DEC-2009 21:59:58; Bright; 57.0; 180; 27Gam Boo ; 3.04; 8000;occ; 114; 0;40850
17; 4548.5; 22-DEC-2009 22:03:20; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40850
18; 4764.9; 22-DEC-2009 22:06:56; Bright; 64.5; 111; 8Eta Boo ; 2.68; 6000;occ; 129; 0;40850

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1; -626.9; 22-DEC-2009 22:17:41; Dark ; 56.0; 15; 67Alp Vir ; 0.98; 28000;occ; 112; 0;40850
2; -351.5; 22-DEC-2009 22:22:16; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0;40850
3; -230.0; 22-DEC-2009 22:24:17; Dark ; 57.5; 106; 9Bet Crv ; 2.65; 5600;occ; 115; 0;40850
4; 93.1; 22-DEC-2009 22:29:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40851
5; 358.8; 22-DEC-2009 22:34:06; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;40851
6; 556.8; 22-DEC-2009 22:37:24; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40851
7; 663.7; 22-DEC-2009 22:39:11; Dark ; 48.0; 41; Eps Car ; 1.86; 4100;occ; 96; 0;40851
8; 842.6; 22-DEC-2009 22:42:10; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40851
9; 973.6; 22-DEC-2009 22:44:21; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40851
10; 1118.8; 22-DEC-2009 22:46:46; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40851
11; 1300.9; 22-DEC-2009 22:49:48; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;40851
12; 1401.3; 22-DEC-2009 22:51:29; Dark ; 49.0; 179; 240mi2CMA ; 3.03; 24000;occ; 98; 0;40851
13; 1566.0; 22-DEC-2009 22:54:13; Dark ; 53.0; 1; 9Alp CMA ; -1.44; 11000;occ; 106; 0;40851
14; 1755.6; 22-DEC-2009 22:57:23; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;40851
15; 1879.0; 22-DEC-2009 22:59:26; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;40851
16; 2048.7; 22-DEC-2009 23:02:16; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;40851
17; 2292.5; 22-DEC-2009 23:06:20; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;40851
18; 2417.2; 22-DEC-2009 23:08:25; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40851
19; 2612.3; 22-DEC-2009 23:11:40; Bright; 61.0; 107; 37The Aur ; 2.65; 11000;occ; 122; 0;40851
20; 2712.6; 22-DEC-2009 23:13:20; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40851
21; 3701.1; 22-DEC-2009 23:29:49; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40851
22; 3956.9; 22-DEC-2009 23:34:04; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;40851
23; 4129.1; 22-DEC-2009 23:36:57; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40851
24; 4345.9; 22-DEC-2009 23:40:33; Bright; 57.0; 180; 27Gam Boo ; 3.04; 8000;occ; 114; 0;40851
25; 4548.7; 22-DEC-2009 23:43:56; Bright; 54.5; 83; ; 2.38; 11000;occ; 109; 0;40851
26; 4765.4; 22-DEC-2009 23:47:33; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;40851

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 2; -351.0; 23-DEC-2009 00:02:52; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;40851
 3; -228.7; 23-DEC-2009 00:04:55; Dark ; 61.0; 106; 9Bet Crv ; 2.65; 5600;occ; 122; 0;40851
 4; 93.9; 23-DEC-2009 00:10:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40852
 5; 359.8; 23-DEC-2009 00:14:43; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40852
 6; 557.3; 23-DEC-2009 00:18:01; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;40852
 7; 664.0; 23-DEC-2009 00:19:47; Dark ; 51.5; 41; Eps Car ; 1.86; 4100;occ; 103; 0;40852
 8; 843.1; 23-DEC-2009 00:22:46; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40852
 9; 974.1; 23-DEC-2009 00:24:57; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;40852
 10; 1119.4; 23-DEC-2009 00:27:23; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;40852
 11; 1301.1; 23-DEC-2009 00:30:24; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;40852
 12; 1401.5; 23-DEC-2009 00:32:05; Dark ; 49.0; 179; 240mi2CMA ; 3.03; 24000;occ; 98; 0;40852
 13; 1566.1; 23-DEC-2009 00:34:49; Dark ; 56.5; 1; 9Alp CMA ; -1.44; 11000;occ; 113; 0;40852
 14; 1755.8; 23-DEC-2009 00:37:59; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40852
 15; 1879.0; 23-DEC-2009 00:40:02; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40852
 16; 2048.4; 23-DEC-2009 00:42:52; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;40852
 17; 2292.2; 23-DEC-2009 00:46:56; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;40852
 18; 2417.0; 23-DEC-2009 00:49:00; Bright; 52.5; 28; 12Bet Tau ; 1.65; 15200;occ; 105; 0;40852
 19; 2611.8; 23-DEC-2009 00:52:15; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40852
 20; 2712.5; 23-DEC-2009 00:53:56; Bright; 43.0; 6; 13Alp Aur ; 0.08; 3400;occ; 86; 0;40852
 21; 3700.9; 23-DEC-2009 01:10:24; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;40852
 22; 3956.9; 23-DEC-2009 01:14:40; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40852
 23; 4129.0; 23-DEC-2009 01:17:32; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40852
 24; 4346.1; 23-DEC-2009 01:21:09; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40852
 25; 4549.0; 23-DEC-2009 01:24:32; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;40852
 26; 4765.8; 23-DEC-2009 01:28:09; Bright; 65.5; 111; 8Eta Boo ; 2.68; 6000;occ; 131; 0;40852

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1; 1315.8; 22-DEC-2009 16:07:39; Dark ; 48.5; 23; 21Eps CMA ; 1.50; 26000;occ; 97; 32;40847
 2; 1400.2; 22-DEC-2009 16:09:04; Dark ; 50.5; 179; 240mi2CMA ; 3.03; 24000;occ; 101; 0;40847
 3; 1565.7; 22-DEC-2009 16:11:49; Dark ; 56.0; 1; 9Alp CMA ; -1.44; 11000;occ; 112; 0;40847
 4; 1755.5; 22-DEC-2009 16:14:59; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40847
 5; 1879.1; 22-DEC-2009 16:17:03; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;40847
 6; 2049.6; 22-DEC-2009 16:19:53; Dark ; 54.5; 14; 58Alp Ori ; 0.87; 3000;occ; 109; 0;40847
 7; 2293.5; 22-DEC-2009 16:23:57; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;40847
 8; 2418.3; 22-DEC-2009 16:26:02; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40847
 9; 2614.1; 22-DEC-2009 16:29:18; Bright; 57.5; 107; 37The Aur ; 2.65; 11000;occ; 115; 0;40847
 10; 2713.6; 22-DEC-2009 16:30:57; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;40847
 11; 3701.3; 22-DEC-2009 16:47:25; Bright; 44.5; 60; 7Bet UMi ; 2.08; 3950;occ; 89; 0;40847
 12; 3958.5; 22-DEC-2009 16:51:42; Bright; 64.0; 32; 77Eps UMa ; 1.76; 11000;occ; 128; 0;40847
 13; 4129.7; 22-DEC-2009 16:54:33; Bright; 43.5; 39; 85Eta UMa ; 1.85; 24000;occ; 87; 0;40847
 14; 4346.0; 22-DEC-2009 16:58:10; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40847
 15; 4547.9; 22-DEC-2009 17:01:31; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40847
 16; 4763.8; 22-DEC-2009 17:05:07; Bright; 47.5; 111; 8Eta Boo ; 2.68; 6000;occ; 95; 0;40847
 17; 5406.6; 22-DEC-2009 17:15:50; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;40847
 18; 5682.8; 22-DEC-2009 17:20:26; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;40847
 19; 5802.2; 22-DEC-2009 17:22:26; Dark ; 64.5; 106; 9Bet Crv ; 2.65; 5600;occ; 129; 0;40847
 20; 6040.9; 22-DEC-2009 17:26:24; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;40847
 21; 6139.8; 22-DEC-2009 17:28:03; Dark ; 42.0; 26; Gam Cru ; 1.62; 2900;occ; 84; 0;40847
 22; 6392.2; 22-DEC-2009 17:32:16; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40847
 23; 6591.3; 22-DEC-2009 17:35:35; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40847
 24; 6683.9; 22-DEC-2009 17:37:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40847
 25; 6773.6; 22-DEC-2009 17:38:37; Dark ; 56.0; 65; Lam Vel ; 2.20; 4400;occ; 112; 0;40847
 26; 6876.7; 22-DEC-2009 17:40:20; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40847
 27; 7007.6; 22-DEC-2009 17:42:31; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40847

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1; 996.6; 22-DEC-2009 17:42:56; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 50;40848
 2; 1117.4; 22-DEC-2009 17:44:57; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40848
 3; 1299.9; 22-DEC-2009 17:48:00; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;40848
 4; 1400.7; 22-DEC-2009 17:49:40; Dark ; 49.5; 179; 240mi2CMA ; 3.03; 24000;occ; 99; 0;40848
 5; 1565.8; 22-DEC-2009 17:52:25; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;40848
 6; 1755.6; 22-DEC-2009 17:55:35; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40848
 7; 1879.3; 22-DEC-2009 17:57:39; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;40848
 8; 2049.3; 22-DEC-2009 18:00:29; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;40848
 9; 2293.3; 22-DEC-2009 18:04:33; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;40848
 10; 2418.0; 22-DEC-2009 18:06:38; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;40848
 11; 2613.8; 22-DEC-2009 18:09:53; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40848
 12; 2713.3; 22-DEC-2009 18:11:33; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;40848

13; 3701.2; 22-DEC-2009 18:28:01; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;40848
 14; 3958.2; 22-DEC-2009 18:32:18; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;40848
 15; 4129.6; 22-DEC-2009 18:35:09; Bright; 43.5; 39; 85Eta UMa ; 1.85; 24000;occ; 87; 0;40848
 16; 4345.9; 22-DEC-2009 18:38:46; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;40848
 17; 4548.3; 22-DEC-2009 18:42:08; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;40848
 18; 4764.0; 22-DEC-2009 18:45:44; Bright; 65.0; 111; 8Eta Boo ; 2.68; 6000;occ; 130; 0;40848
 19; 5407.5; 22-DEC-2009 18:56:27; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;40848
 20; 5683.4; 22-DEC-2009 19:01:03; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;40848
 21; 5803.4; 22-DEC-2009 19:03:03; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;40848
 22; 6041.7; 22-DEC-2009 19:07:01; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40848
 23; 6140.3; 22-DEC-2009 19:08:40; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;40848
 24; 6393.1; 22-DEC-2009 19:12:53; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40848
 25; 6591.7; 22-DEC-2009 19:16:11; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40848
 26; 6684.6; 22-DEC-2009 19:17:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40848
 27; 6774.3; 22-DEC-2009 19:19:14; Dark ; 50.0; 65; Lam Vel ; 2.20; 4400;occ; 100; 0;40848
 28; 6877.3; 22-DEC-2009 19:20:57; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40848

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 2; 972.4; 22-DEC-2009 19:23:08; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40849
 3; 1117.9; 22-DEC-2009 19:25:34; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;40849
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 5; 1401.0; 22-DEC-2009 19:30:17; Dark ; 47.5; 179; 240mi2CMa ; 3.03; 24000;occ; 95; 0;40849
 6; 1566.1; 22-DEC-2009 19:33:02; Dark ; 55.0; 1; 9Alp CMa ; -1.44; 11000;occ; 110; 0;40849
 7; 1755.6; 22-DEC-2009 19:36:11; Dark ; 45.0; 7; 19Bet Ori ; 0.10; 14000;occ; 90; 0;40849
 8; 1879.0; 22-DEC-2009 19:38:15; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40849
 9; 2049.1; 22-DEC-2009 19:41:05; Dark ; 51.5; 14; 58Alp Ori ; 0.87; 3000;occ; 103; 0;40849
 10; 2293.1; 22-DEC-2009 19:45:09; Bright; 40.0; 176; 23Zet Tau ; 3.02; 22000;occ; 80; 0;40849
 11; 2417.7; 22-DEC-2009 19:47:13; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40849
 12; 2613.0; 22-DEC-2009 19:50:29; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40849
 13; 2713.0; 22-DEC-2009 19:52:09; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;40849
 14; 3701.0; 22-DEC-2009 20:08:37; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40849
 15; 3957.9; 22-DEC-2009 20:12:54; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40849
 16; 4129.2; 22-DEC-2009 20:15:45; Bright; 44.0; 39; 85Eta UMa ; 1.85; 24000;occ; 88; 0;40849
 17; 4346.1; 22-DEC-2009 20:19:22; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40849
 18; 4548.3; 22-DEC-2009 20:22:44; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;40849
 19; 4764.7; 22-DEC-2009 20:26:20; Bright; 65.0; 111; 8Eta Boo ; 2.68; 6000;occ; 130; 0;40849
 20; 5408.3; 22-DEC-2009 20:37:04; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40849
 21; 5683.8; 22-DEC-2009 20:41:39; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;40849
 22; 5804.6; 22-DEC-2009 20:43:40; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40849
 23; 6042.4; 22-DEC-2009 20:47:38; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40849
 24; 6128.1; 22-DEC-2009 20:49:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40849
 25; 6393.9; 22-DEC-2009 20:53:30; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;40849
 26; 6592.4; 22-DEC-2009 20:56:48; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40849
 27; 6699.0; 22-DEC-2009 20:58:35; Dark ; 55.5; 41; Eps Car ; 1.86; 4100;occ; 111; 0;40849
 28; 6877.8; 22-DEC-2009 21:01:33; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40849
 29; 7008.9; 22-DEC-2009 21:03:44; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;40849

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1; -624.8; 23-DEC-2009 01:38:54; Dark ; 56.0; 15; 67Alp Vir ; 0.98; 28000;occ; 112; 0;40852
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 3; -227.3; 23-DEC-2009 01:45:32; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40852
 4; 8.6; 23-DEC-2009 01:49:28; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;40853
 5; 94.8; 23-DEC-2009 01:50:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40853
 6; 360.7; 23-DEC-2009 01:55:20; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40853
 7; 558.1; 23-DEC-2009 01:58:37; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40853
 8; 664.7; 23-DEC-2009 02:00:24; Dark ; 54.5; 41; Eps Car ; 1.86; 4100;occ; 109; 0;40853
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 10; 974.8; 23-DEC-2009 02:05:34; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;40853
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27; 7450.6; 26-DEC-2009 12:22:15; Dark ; 46.5; 179; 240mi2CMA ; 3.03; 24000;occ; 93; 0;40901
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7; 2591.4; 26-DEC-2009 12:41:51; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;40902
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9; 3646.1; 26-DEC-2009 12:59:26; Bright; 48.5; 36; 50Alp UMa ; 1.80; 6300;occ; 97; 0;40902
10; 3941.0; 26-DEC-2009 13:04:21; Bright; 52.0; 32; 77Eps UMa ; 1.76; 11000;occ; 104; 0;40902
11; 4122.6; 26-DEC-2009 13:07:23; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;40902
12; 4349.6; 26-DEC-2009 13:11:10; Bright; 59.0; 180; 27Gam Boo ; 3.04; 8000;occ; 118; 0;40902
13; 4558.2; 26-DEC-2009 13:14:38; Bright; 47.5; 83; ; 2.38; 11000;occ; 95; 0;40902
14; 4786.6; 26-DEC-2009 13:18:27; Bright; 51.5; 111; 8Eta Boo ; 2.68; 6000;occ; 103; 0;40902
15; 5311.6; 26-DEC-2009 13:27:12; Dark ; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;40902
16; 5462.5; 26-DEC-2009 13:29:42; Dark ; 59.0; 15; 67Alp Vir ; 0.98; 28000;occ; 118; 0;40902
17; 5714.7; 26-DEC-2009 13:33:55; Dark ; 55.0; 54; 5The Cen ; 2.06; 4500;occ; 110; 0;40902
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 9; 2702.3; 26-DEC-2009 14:24:18; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;40903
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 11; 3941.0; 26-DEC-2009 14:44:57; Bright; 66.0; 32; 77Eps UMa ; 1.76; 11000;occ; 132; 0;40903
 12; 4122.5; 26-DEC-2009 14:47:58; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40903
 13; 4349.5; 26-DEC-2009 14:51:45; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;40903
 14; 4558.8; 26-DEC-2009 14:55:15; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;40903
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 19; 5841.4; 26-DEC-2009 15:16:37; Dark ; 45.0; 123; Iot Cen ; 2.75; 10200;occ; 90; 0;40903
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 27; 7178.2; 26-DEC-2009 15:38:54; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 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
 18; 5715.9; 26-DEC-2009 16:55:08; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 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
 22; 6444.1; 26-DEC-2009 17:07:16; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40904
 23; 6624.2; 26-DEC-2009 17:10:16; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40904
 24; 6726.4; 26-DEC-2009 17:11:58; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;40904
 25; 6911.1; 26-DEC-2009 17:15:03; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40904
 26; 7042.6; 26-DEC-2009 17:17:14; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;40904
 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
17;	4788.1;	26-DEC-2009	18:20:16;	Bright	;	70.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	140;	0;	40905
18;	5313.2;	26-DEC-2009	18:29:01;	Dark	;	43.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	86;	0;	40905
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
28;	7043.3;	26-DEC-2009	18:57:51;	Dark	;	47.5;	70;	Zet Pup	;	2.25;	39000;	occ;	95;	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
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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
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15;	4121.9;	26-DEC-2009	19:49:46;	Bright	;	41.5;	39;	85Eta UMa	;	1.85;	24000;	occ;	83;	0;	40906
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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
19;	5313.6;	26-DEC-2009	20:09:37;	Dark	;	46.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	93;	0;	40906
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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