

GOMOS Daily Report 21-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	23DEC2009 04:37:53
Data source version	GOMOS/5.00L04
Start time of products	21DEC2009 00:00:35
Stop time of products	21DEC2009 23:45:00
Store outputs in DB	Yes
Nb of level 1b prods	181
Nb of prods with errors	2

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

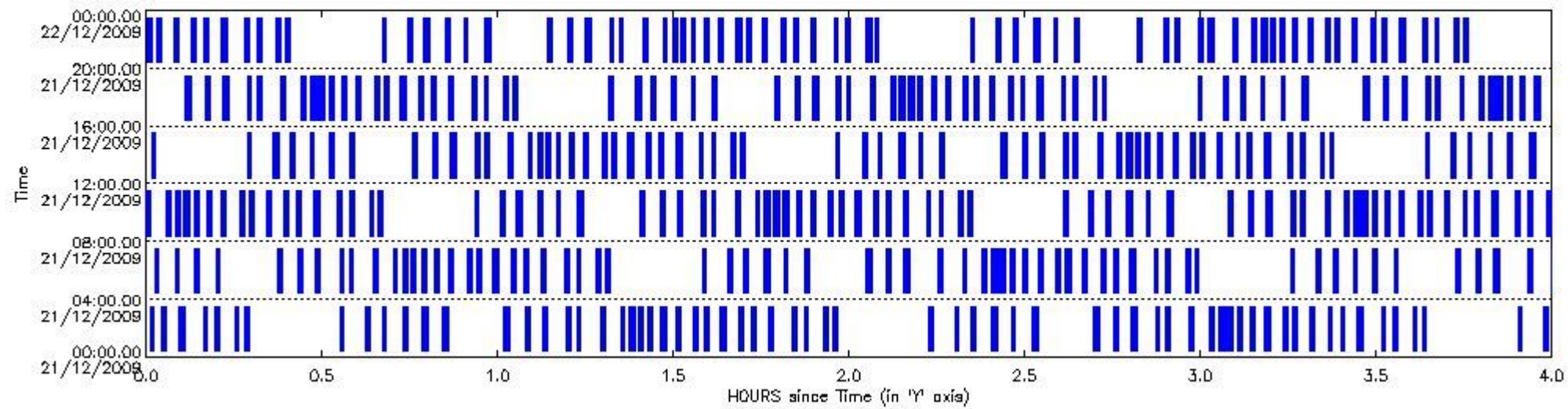
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

No missing products.

2.4 Summary of processed GOM_TRA_1P products

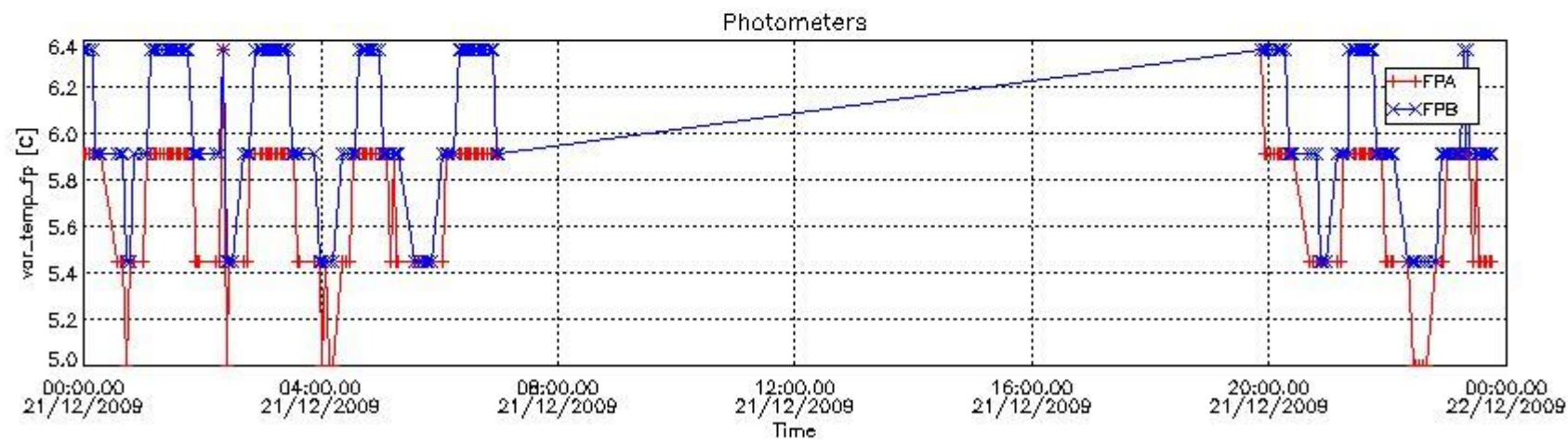
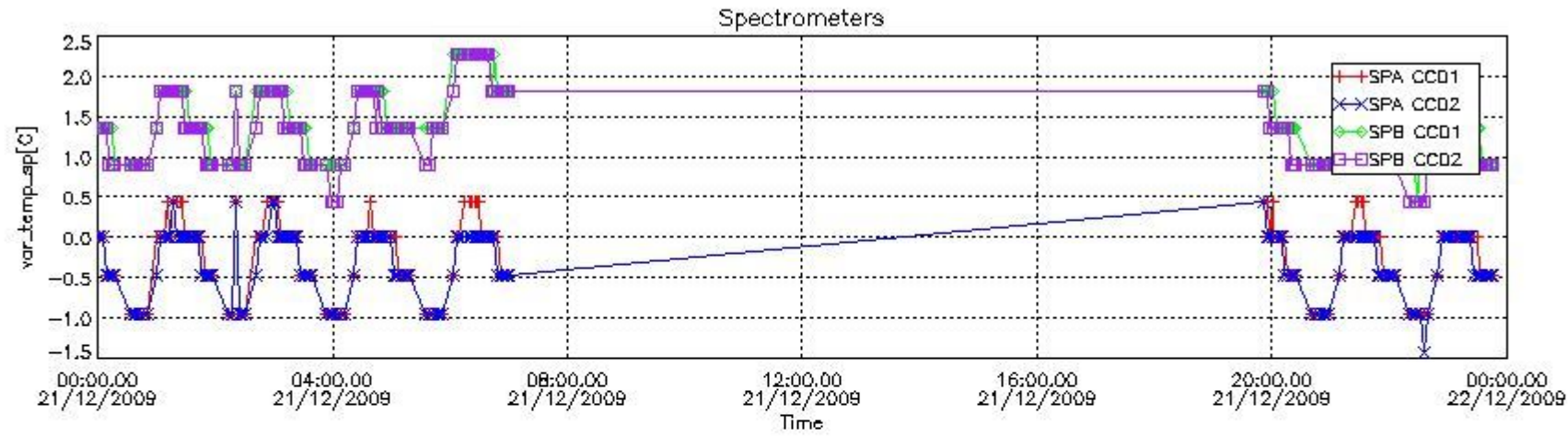
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091221_000035_000000472085_00188_40823_9606.N1	21-DEC-2009 00:00:35	Straylight	46.500	7	19Bet Ori	0.10000	14000.	93	40823	No
2	GOM_TRA_1PNPDE20091221_000241_000000482085_00188_40823_9607.N1	21-DEC-2009 00:02:41	Straylight	47.500	30	46Eps Ori	1.6940	30000.	95	40823	No
3	GOM_TRA_1PNPDE20091221_000536_000000592085_00188_40823_9608.N1	21-DEC-2009 00:05:36	Twilight_and_stray	58.500	14	58Alp Ori	0.87000	3000.0	117	40823	No
4	GOM_TRA_1PNPDE20091221_000941_000000432085_00188_40823_9609.N1	21-DEC-2009 00:09:41	Bright	43.000	176	23Zet Tau	3.0200	22000.	86	40823	No
5	GOM_TRA_1PNPDE20091221_001145_000000432085_00188_40823_9610.N1	21-DEC-2009 00:11:45	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	40823	No
6	GOM_TRA_1PNPDE20091221_001506_000000432085_00188_40823_9611.N1	21-DEC-2009 00:15:06	Bright	42.500	107	37The Aur	2.6490	11000.	85	40823	No
7	GOM_TRA_1PNPDE20091221_001641_000000462085_00188_40823_9612.N1	21-DEC-2009 00:16:41	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	40823	No
8	GOM_TRA_1PNPDE20091221_003303_000000362085_00188_40823_9613.N1	21-DEC-2009 00:33:03	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	40823	No
9	GOM_TRA_1PNPDE20091221_003726_000000452085_00188_40823_9614.N1	21-DEC-2009 00:37:26	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	40823	No
10	GOM_TRA_1PNPDE20091221_004013_000000402085_00188_40823_9615.N1	21-DEC-2009 00:40:13	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	40823	No
11	GOM_TRA_1PNPDE20091221_004345_000000562085_00188_40823_9616.N1	21-DEC-2009 00:43:45	Bright	56.000	180	27Gam Boo	3.0400	8000.0	112	40823	No
12	GOM_TRA_1PNPDE20091221_004705_000000562085_00188_40823_9617.N1	21-DEC-2009 00:47:05	Bright	56.000	83		2.3780	11000.	112	40823	No

13	GOM_TRA_1PNPDE20091221_005036_000000642085_00188_40823_9618.N1	21-DEC-2009 00:50:36	Bright	63.500	111	8Eta Boo	2.6800	6000.0	127	40823	No
14	GOM_TRA_1PNPDE20091221_010106_000000532085_00188_40823_9613.N1	21-DEC-2009 01:01:06	Twilight	53.000	15	67Alp Vir	0.97600	28000.	106	40823	No
15	GOM_TRA_1PNPDE20091221_010436_000000512085_00188_40823_9614.N1	21-DEC-2009 01:04:36	Dark	51.000	169	46Gam Hya	2.9910	4700.0	102	40823	No
16	GOM_TRA_1PNPDE20091221_010732_000000572085_00188_40823_9615.N1	21-DEC-2009 01:07:32	Dark	56.500	106	9Bet Crv	2.6480	5600.0	113	40823	No
17	GOM_TRA_1PNPDE20091221_011145_000000432085_00188_40823_9616.N1	21-DEC-2009 01:11:45	Dark	43.000	64	Gam Cen	2.2000	10600.	86	40823	No
18	GOM_TRA_1PNPDE20091221_011327_000000432085_00189_40824_9617.N1	21-DEC-2009 01:13:27	Dark	43.000	99	Del Cen	2.5750	26000.	86	40824	No
19	GOM_TRA_1PNPDE20091221_011731_000000472085_00189_40824_9618.N1	21-DEC-2009 01:17:31	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	40824	No
20	GOM_TRA_1PNPDE20091221_012058_000000412085_00189_40824_9619.N1	21-DEC-2009 01:20:58	Dark	40.500	71	lot Car	2.2460	7700.0	81	40824	No
21	GOM_TRA_1PNPDE20091221_012353_000000612085_00189_40824_9620.N1	21-DEC-2009 01:23:53	Dark	60.500	65	Lam Vel	2.2040	4400.0	121	40824	No
22	GOM_TRA_1PNPDE20091221_012542_000000482085_00189_40824_9621.N1	21-DEC-2009 01:25:42	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	40824	No
23	GOM_TRA_1PNPDE20091221_012753_000000532085_00189_40824_9622.N1	21-DEC-2009 01:27:53	Dark	53.000	70	Zet Pup	2.2460	39000.	106	40824	No
24	GOM_TRA_1PNPDE20091221_013023_000000502085_00189_40824_9623.N1	21-DEC-2009 01:30:23	Dark	50.000	117	Pi Pup	2.7060	3800.0	100	40824	No
25	GOM_TRA_1PNPDE20091221_013329_000000502085_00189_40824_9624.N1	21-DEC-2009 01:33:29	Straylight	49.500	23	21Eps CMa	1.5020	26000.	99	40824	No
26	GOM_TRA_1PNPDE20091221_013511_000000502085_00189_40824_9625.N1	21-DEC-2009 01:35:11	Straylight	50.000	179	24Omi2CMa	3.0320	24000.	100	40824	No
27	GOM_TRA_1PNPDE20091221_013800_000000572085_00189_40824_9626.N1	21-DEC-2009 01:38:00	Straylight	56.500	1	9Alp CMa	-1.4400	11000.	113	40824	No
28	GOM_TRA_1PNPDE20091221_014111_000000472085_00189_40824_9627.N1	21-DEC-2009 01:41:11	Straylight	46.500	7	19Bet Ori	0.10000	14000.	93	40824	No
29	GOM_TRA_1PNPDE20091221_014317_000000472085_00189_40824_9628.N1	21-DEC-2009 01:43:17	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	40824	No
30	GOM_TRA_1PNPDE20091221_014612_000000572085_00189_40824_9629.N1	21-DEC-2009 01:46:12	Twilight	56.500	14	58Alp Ori	0.87000	3000.0	113	40824	No
31	GOM_TRA_1PNPDE20091221_015017_000000422085_00189_40824_9630.N1	21-DEC-2009 01:50:17	Bright	42.000	176	23Zet Tau	3.0200	22000.	84	40824	No
32	GOM_TRA_1PNPDE20091221_015221_000000432085_00189_40824_9631.N1	21-DEC-2009 01:52:21	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	40824	No
33	GOM_TRA_1PNPDE20091221_015542_000000432085_00189_40824_9632.N1	21-DEC-2009 01:55:42	Bright	42.500	107	37The Aur	2.6490	11000.	85	40824	No
34	GOM_TRA_1PNPDE20091221_015716_000000452085_00189_40824_9633.N1	21-DEC-2009 01:57:16	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	40824	No
35	GOM_TRA_1PNPDE20091221_021340_000000412085_00189_40824_9634.N1	21-DEC-2009 02:13:40	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	40824	No
36	GOM_TRA_1PNPDE20091221_021802_000000442085_00189_40824_9635.N1	21-DEC-2009 02:18:02	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	40824	No
37	GOM_TRA_1PNPDE20091221_022049_000000412085_00189_40824_9650.N1	21-DEC-2009 02:20:49	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	40824	Yes
38	GOM_TRA_1PNPDE20091221_022421_000000562085_00189_40824_9651.N1	21-DEC-2009 02:24:21	Bright	56.000	180	27Gam Boo	3.0400	8000.0	112	40824	No
39	GOM_TRA_1PNPDE20091221_022741_000000382085_00189_40824_9652.N1	21-DEC-2009 02:27:41	Bright	38.000	83		2.3780	11000.	76	40824	No
40	GOM_TRA_1PNPDE20091221_023112_000000642085_00189_40824_9653.N1	21-DEC-2009 02:31:12	Bright	64.000	111	8Eta Boo	2.6800	6000.0	128	40824	No
41	GOM_TRA_1PNPDE20091221_024142_000000572085_00189_40824_9654.N1	21-DEC-2009 02:41:42	Twilight	56.500	15	67Alp Vir	0.97600	28000.	113	40824	No
42	GOM_TRA_1PNPDE20091221_024513_000000482085_00189_40824_9655.N1	21-DEC-2009 02:45:13	Dark	48.000	169	46Gam Hya	2.9910	4700.0	96	40824	No
43	GOM_TRA_1PNPDE20091221_024809_000000552085_00189_40824_9656.N1	21-DEC-2009 02:48:09	Dark	55.000	106	9Bet Crv	2.6480	5600.0	110	40824	No
44	GOM_TRA_1PNPDE20091221_025222_000000422085_00189_40824_9657.N1	21-DEC-2009 02:52:22	Dark	41.500	64	Gam Cen	2.2000	10600.	83	40824	No
45	GOM_TRA_1PNPDE20091221_025404_000000422085_00190_40825_9658.N1	21-DEC-2009 02:54:04	Dark	41.500	99	Del Cen	2.5750	26000.	83	40825	No
46	GOM_TRA_1PNPDE20091221_025808_000000462085_00190_40825_9659.N1	21-DEC-2009 02:58:08	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	40825	No
47	GOM_TRA_1PNPDE20091221_030134_000000402085_00190_40825_9660.N1	21-DEC-2009 03:01:34	Dark	40.000	71	lot Car	2.2460	7700.0	80	40825	No
48	GOM_TRA_1PNPDE20091221_030430_000000572085_00190_40825_9661.N1	21-DEC-2009 03:04:30	Dark	56.500	65	Lam Vel	2.2040	4400.0	113	40825	No
49	GOM_TRA_1PNPDE20091221_030619_000000462085_00190_40825_9662.N1	21-DEC-2009 03:06:19	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	40825	No
50	GOM_TRA_1PNPDE20091221_030829_000000492085_00190_40825_9663.N1	21-DEC-2009 03:08:29	Dark	48.500	70	Zet Pup	2.2460	39000.	97	40825	No
51	GOM_TRA_1PNPDE20091221_031059_000000512085_00190_40825_9664.N1	21-DEC-2009 03:10:59	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	40825	No
52	GOM_TRA_1PNPDE20091221_031405_000000512085_00190_40825_9665.N1	21-DEC-2009 03:14:05	Straylight	51.000	23	21Eps CMa	1.5020	26000.	102	40825	No
53	GOM_TRA_1PNPDE20091221_031547_000000502085_00190_40825_9666.N1	21-DEC-2009 03:15:47	Straylight	50.000	179	24Omi2CMa	3.0320	24000.	100	40825	No
54	GOM_TRA_1PNPDE20091221_031836_000000572085_00190_40825_9667.N1	21-DEC-2009 03:18:36	Straylight	56.500	1	9Alp CMa	-1.4400	11000.	113	40825	No
55	GOM_TRA_1PNPDE20091221_032147_000000452085_00190_40825_9668.N1	21-DEC-2009 03:21:47	Straylight	45.000	7	19Bet Ori	0.10000	14000.	90	40825	No
56	GOM_TRA_1PNPDE20091221_032353_000000472085_00190_40825_9669.N1	21-DEC-2009 03:23:53	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	40825	No
57	GOM_TRA_1PNPDE20091221_032647_000000582085_00190_40825_9670.N1	21-DEC-2009 03:26:47	Twilight	57.500	14	58Alp Ori	0.87000	3000.0	115	40825	No
58	GOM_TRA_1PNPDE20091221_033053_000000442085_00190_40825_9671.N1	21-DEC-2009 03:30:53	Bright	43.500	176	23Zet Tau	3.0200	22000.	87	40825	No
59	GOM_TRA_1PNPDE20091221_033257_000000422085_00190_40825_9672.N1	21-DEC-2009 03:32:57	Bright	42.000	28	12Bet Tau	1.6500	15200.	84	40825	No
60	GOM_TRA_1PNPDE20091221_033617_000000422085_00190_40825_9673.N1	21-DEC-2009 03:36:17	Bright	41.500	107	37The Aur	2.6490	11000.	83	40825	No
61	GOM_TRA_1PNPDE20091221_033752_000000432085_00190_40825_9674.N1	21-DEC-2009 03:37:52	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	40825	No
62	GOM_TRA_1PNPDE20091221_035416_000000422085_00190_40825_9669.N1	21-DEC-2009 03:54:16	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	40825	No
63	GOM_TRA_1PNPDE20091221_035837_000000442085_00190_40825_9670.N1	21-DEC-2009 03:58:37	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	40825	No
64	GOM_TRA_1PNPDE20091221_040125_000000422085_00190_40825_9671.N1	21-DEC-2009 04:01:25	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	40825	No
65	GOM_TRA_1PNPDE20091221_040457_000000372085_00190_40825_9672.N1	21-DEC-2009 04:04:57	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	40825	No
66	GOM_TRA_1PNPDE20091221_040817_000000382085_00190_40825_9673.N1	21-DEC-2009 04:08:17	Bright	37.500	83		2.3780	11000.	75	40825	No
67	GOM_TRA_1PNPDE20091221_041149_000000442085_00190_40825_9674.N1	21-DEC-2009 04:11:49	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	40825	No
68	GOM_TRA_1PNPDE20091221_042219_000000562085_00190_40825_9675.N1	21-DEC-2009 04:22:19	Twilight	56.000	15	67Alp Vir	0.97600	28000.	112	40825	No
69	GOM_TRA_1PNPDE20091221_042550_000000522085_00190_40825_9676.N1	21-DEC-2009 04:25:50	Dark	51.500	169	46Gam Hya	2.9910	4700.0	103	40825	No
70	GOM_TRA_1PNPDE20091221_042846_000000572085_00190_40825_9677.N1	21-DEC-2009 04:28:46	Dark	56.500	106	9Bet Crv	2.6480	5600.0	113	40825	No
71	GOM_TRA_1PNPDE20091221_043258_000000462085_00190_40825_9678.N1	21-DEC-2009 04:32:58	Dark	45.500	64	Gam Cen	2.2000	10600.	91	40825	No

72	GOM_TRA_1PNPDE20091221_043441_000000422085_00191_40826_9679.N1	21-DEC-2009 04:34:41	Dark	41.500	99	Del Cen	2.5750	26000.	83	40826	No
73	GOM_TRA_1PNPDE20091221_043845_000000432085_00191_40826_9680.N1	21-DEC-2009 04:38:45	Dark	42.500	113	Mu Vel	2.6920	5000.0	85	40826	No
74	GOM_TRA_1PNPDE20091221_044211_000000412085_00191_40826_9681.N1	21-DEC-2009 04:42:11	Dark	40.500	71	lot Car	2.2460	7700.0	81	40826	No
75	GOM_TRA_1PNPDE20091221_044507_000000572085_00191_40826_9682.N1	21-DEC-2009 04:45:07	Dark	57.000	65	Lam Vel	2.2040	4400.0	114	40826	No
76	GOM_TRA_1PNPDE20091221_044656_000000482085_00191_40826_9683.N1	21-DEC-2009 04:46:56	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	40826	No
77	GOM_TRA_1PNPDE20091221_044906_000000502085_00191_40826_9684.N1	21-DEC-2009 04:49:06	Dark	50.000	70	Zet Pup	2.2460	39000.	100	40826	No
78	GOM_TRA_1PNPDE20091221_045136_000000512085_00191_40826_9685.N1	21-DEC-2009 04:51:36	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	40826	No
79	GOM_TRA_1PNPDE20091221_045441_000000522085_00191_40826_9686.N1	21-DEC-2009 04:54:41	Straylight	52.000	23	21Eps CMa	1.5020	26000.	104	40826	No
80	GOM_TRA_1PNPDE20091221_045624_000000522085_00191_40826_9687.N1	21-DEC-2009 04:56:24	Straylight	51.500	179	24Omi2CMa	3.0320	24000.	103	40826	No
81	GOM_TRA_1PNPDE20091221_045912_000000562085_00191_40826_9688.N1	21-DEC-2009 04:59:12	Straylight	55.500	1	9Alp CMa	-1.4400	11000.	111	40826	No
82	GOM_TRA_1PNPDE20091221_050223_000000472085_00191_40826_9689.N1	21-DEC-2009 05:02:23	Straylight	46.500	7	19Bet Ori	0.10000	14000.	93	40826	No
83	GOM_TRA_1PNPDE20091221_050429_000000462085_00191_40826_9690.N1	21-DEC-2009 05:04:29	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	40826	No
84	GOM_TRA_1PNPDE20091221_050723_000000562085_00191_40826_9691.N1	21-DEC-2009 05:07:23	Tw_i_and_stray	56.000	14	58Alp Ori	0.87000	3000.0	112	40826	No
85	GOM_TRA_1PNPDE20091221_051128_000000422085_00191_40826_9692.N1	21-DEC-2009 05:11:28	Bright	42.000	176	23Zet Tau	3.0200	22000.	84	40826	No
86	GOM_TRA_1PNPDE20091221_051333_000000402085_00191_40826_9693.N1	21-DEC-2009 05:13:33	Bright	40.000	28	12Bet Tau	1.6500	15200.	80	40826	No
87	GOM_TRA_1PNPDE20091221_051653_000000422085_00191_40826_9694.N1	21-DEC-2009 05:16:53	Bright	42.000	107	37The Aur	2.6490	11000.	84	40826	No
88	GOM_TRA_1PNPDE20091221_051828_000000442085_00191_40826_9695.N1	21-DEC-2009 05:18:28	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	40826	No
89	GOM_TRA_1PNPDE20091221_053451_000000402085_00191_40826_9701.N1	21-DEC-2009 05:34:51	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	40826	No
90	GOM_TRA_1PNPDE20091221_053913_000000452085_00191_40826_9702.N1	21-DEC-2009 05:39:13	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	40826	No
91	GOM_TRA_1PNPDE20091221_054201_000000502085_00191_40826_9703.N1	21-DEC-2009 05:42:01	Bright	49.500	39	85Eta UMa	1.8540	24000.	99	40826	No
92	GOM_TRA_1PNPDE20091221_054533_000000572085_00191_40826_9704.N1	21-DEC-2009 05:45:33	Bright	57.000	180	27Gam Boo	3.0400	8000.0	114	40826	No
93	GOM_TRA_1PNPDE20091221_054853_000000382085_00191_40826_9705.N1	21-DEC-2009 05:48:53	Bright	38.000	83		2.3780	11000.	76	40826	No
94	GOM_TRA_1PNPDE20091221_055225_000000432085_00191_40826_9706.N1	21-DEC-2009 05:52:25	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	40826	No
95	GOM_TRA_1PNPDE20091221_060256_000000562085_00191_40826_9707.N1	21-DEC-2009 06:02:56	Tw_i_and_stray	56.000	15	67Alp Vir	0.97600	28000.	112	40826	No
96	GOM_TRA_1PNPDE20091221_060627_000000492085_00191_40826_9708.N1	21-DEC-2009 06:06:27	Dark	48.500	169	46Gam Hya	2.9910	4700.0	97	40826	No
97	GOM_TRA_1PNPDE20091221_060924_000000582085_00191_40826_9709.N1	21-DEC-2009 06:09:24	Dark	58.000	106	9Bet Crv	2.6480	5600.0	116	40826	No
98	GOM_TRA_1PNPDE20091221_061518_000000432085_00192_40827_9710.N1	21-DEC-2009 06:15:18	Dark	42.500	99	Del Cen	2.5750	26000.	85	40827	No
99	GOM_TRA_1PNPDE20091221_061922_000000452085_00192_40827_9711.N1	21-DEC-2009 06:19:22	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40827	No
100	GOM_TRA_1PNPDE20091221_062248_000000422085_00192_40827_9712.N1	21-DEC-2009 06:22:48	Dark	41.500	71	lot Car	2.2460	7700.0	83	40827	No
101	GOM_TRA_1PNPDE20091221_062544_000000572085_00192_40827_9713.N1	21-DEC-2009 06:25:44	Dark	56.500	65	Lam Vel	2.2040	4400.0	113	40827	No
102	GOM_TRA_1PNPDE20091221_062732_000000512085_00192_40827_9714.N1	21-DEC-2009 06:27:32	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	40827	No
103	GOM_TRA_1PNPDE20091221_062943_000000492085_00192_40827_9715.N1	21-DEC-2009 06:29:43	Dark	49.000	70	Zet Pup	2.2460	39000.	98	40827	No
104	GOM_TRA_1PNPDE20091221_063212_000000522085_00192_40827_9716.N1	21-DEC-2009 06:32:12	Dark	52.000	117	Pi Pup	2.7060	3800.0	104	40827	No
105	GOM_TRA_1PNPDE20091221_063518_000000522085_00192_40827_9717.N1	21-DEC-2009 06:35:18	Straylight	52.000	23	21Eps CMa	1.5020	26000.	104	40827	No
106	GOM_TRA_1PNPDE20091221_063700_000000502085_00192_40827_9718.N1	21-DEC-2009 06:37:00	Straylight	50.000	179	24Omi2CMa	3.0320	24000.	100	40827	No
107	GOM_TRA_1PNPDE20091221_063949_000000542085_00192_40827_9719.N1	21-DEC-2009 06:39:49	Straylight	54.000	1	9Alp CMa	-1.4400	11000.	108	40827	No
108	GOM_TRA_1PNPDE20091221_064259_000000472085_00192_40827_9720.N1	21-DEC-2009 06:42:59	Straylight	46.500	7	19Bet Ori	0.10000	14000.	93	40827	No
109	GOM_TRA_1PNPDE20091221_064505_000000472085_00192_40827_9721.N1	21-DEC-2009 06:45:05	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	40827	No
110	GOM_TRA_1PNPDE20091221_064759_000000582085_00192_40827_9722.N1	21-DEC-2009 06:47:59	Tw_i_and_stray	58.000	14	58Alp Ori	0.87000	3000.0	116	40827	No
111	GOM_TRA_1PNPDE20091221_065204_000000422085_00192_40827_9723.N1	21-DEC-2009 06:52:04	Bright	42.000	176	23Zet Tau	3.0200	22000.	84	40827	No
112	GOM_TRA_1PNPDE20091221_065408_000000412085_00192_40827_9724.N1	21-DEC-2009 06:54:08	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	40827	No
113	GOM_TRA_1PNPDE20091221_065728_000000432085_00192_40827_9725.N1	21-DEC-2009 06:57:28	Bright	43.000	107	37The Aur	2.6490	11000.	86	40827	No
114	GOM_TRA_1PNPDE20091221_065904_000000422085_00192_40827_9726.N1	21-DEC-2009 06:59:04	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	40827	No
115	GOM_TRA_1PNPDE20091221_195225_000000462085_00200_40835_9741.N1	21-DEC-2009 19:52:25	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	40835	Yes
116	GOM_TRA_1PNPDE20091221_195436_000000462085_00200_40835_9742.N1	21-DEC-2009 19:54:36	Dark	46.000	70	Zet Pup	2.2460	39000.	92	40835	No
117	GOM_TRA_1PNPDE20091221_195704_000000532085_00200_40835_9743.N1	21-DEC-2009 19:57:04	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	40835	No
118	GOM_TRA_1PNPDE20091221_200008_000000472085_00200_40835_9744.N1	21-DEC-2009 20:00:08	Straylight	47.000	23	21Eps CMa	1.5020	26000.	94	40835	No
119	GOM_TRA_1PNPDE20091221_200149_000000512085_00200_40835_9745.N1	21-DEC-2009 20:01:49	Straylight	50.500	179	24Omi2CMa	3.0320	24000.	101	40835	No
120	GOM_TRA_1PNPDE20091221_200437_000000562085_00200_40835_9746.N1	21-DEC-2009 20:04:37	Straylight	55.500	1	9Alp CMa	-1.4400	11000.	111	40835	No
121	GOM_TRA_1PNPDE20091221_200747_000000442085_00200_40835_9747.N1	21-DEC-2009 20:07:47	Straylight	44.000	7	19Bet Ori	0.10000	14000.	88	40835	No
122	GOM_TRA_1PNPDE20091221_200952_000000452085_00200_40835_9748.N1	21-DEC-2009 20:09:52	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	40835	No
123	GOM_TRA_1PNPDE20091221_201245_000000582085_00200_40835_9749.N1	21-DEC-2009 20:12:45	Tw_i_and_stray	58.000	14	58Alp Ori	0.87000	3000.0	116	40835	No
124	GOM_TRA_1PNPDE20091221_201649_000000432085_00200_40835_9750.N1	21-DEC-2009 20:16:49	Bright	42.500	176	23Zet Tau	3.0200	22000.	85	40835	No
125	GOM_TRA_1PNPDE20091221_201854_000000422085_00200_40835_9751.N1	21-DEC-2009 20:18:54	Bright	42.000	28	12Bet Tau	1.6500	15200.	84	40835	No
126	GOM_TRA_1PNPDE20091221_202212_000000422085_00200_40835_9752.N1	21-DEC-2009 20:22:12	Bright	41.500	107	37The Aur	2.6490	11000.	83	40835	No
127	GOM_TRA_1PNPDE20091221_202349_000000462085_00200_40835_9753.N1	21-DEC-2009 20:23:49	Bright	45.500	6	13Alp Aur	0.080000	3400.0	91	40835	No
128	GOM_TRA_1PNPDE20091221_204014_000000402085_00200_40835_9754.N1	21-DEC-2009 20:40:14	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	40835	No
129	GOM_TRA_1PNPDE20091221_204434_000000462085_00200_40835_9755.N1	21-DEC-2009 20:44:34	Bright	46.000	32	77Eps UMa	1.7630	11000.	92	40835	No
130	GOM_TRA_1PNPDE20091221_204723_000000602085_00200_40835_9756.N1	21-DEC-2009 20:47:23	Bright	60.000	39	85Eta UMa	1.8540	24000.	120	40835	No

131	GOM_TRA_1PNPDE20091221_205058_000000482085_00200_40835_9757.N1	21-DEC-2009 20:50:58	Bright	48.000	180	27Gam Boo	3.0400	8000.0	96	40835	No
132	GOM_TRA_1PNPDE20091221_205418_000000382085_00200_40835_9758.N1	21-DEC-2009 20:54:18	Bright	38.000	83		2.3780	11000.	76	40835	No
133	GOM_TRA_1PNPDE20091221_205751_000000642085_00200_40835_9759.N1	21-DEC-2009 20:57:51	Bright	63.500	111	8Eta Boo	2.6800	6000.0	127	40835	No
134	GOM_TRA_1PNPDE20091221_210828_000000542085_00200_40835_9758.N1	21-DEC-2009 21:08:28	Tw_i_and_stray	54.000	15	67Alp Vir	0.97600	28000.	108	40835	No
135	GOM_TRA_1PNPDE20091221_211158_000000512085_00200_40835_9759.N1	21-DEC-2009 21:11:58	Dark	50.500	169	46Gam Hya	2.9910	4700.0	101	40835	No
136	GOM_TRA_1PNPDE20091221_211459_000000602085_00200_40835_9760.N1	21-DEC-2009 21:14:59	Dark	60.000	106	9Bet Crv	2.6480	5600.0	120	40835	No
137	GOM_TRA_1PNPDE20091221_211905_000000422085_00200_40835_9761.N1	21-DEC-2009 21:19:05	Dark	42.000	64	Gam Cen	2.2000	10600.	84	40835	No
138	GOM_TRA_1PNPDE20091221_212045_000000422085_00201_40836_9762.N1	21-DEC-2009 21:20:45	Dark	42.000	26	Gam Cru	1.6240	2900.0	84	40836	No
139	GOM_TRA_1PNPDE20091221_212454_000000452085_00201_40836_9763.N1	21-DEC-2009 21:24:54	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	40836	No
140	GOM_TRA_1PNPDE20091221_212816_000000422085_00201_40836_9764.N1	21-DEC-2009 21:28:16	Dark	41.500	71	lot Car	2.2460	7700.0	83	40836	No
141	GOM_TRA_1PNPDE20091221_213115_000000512085_00201_40836_9765.N1	21-DEC-2009 21:31:15	Dark	50.500	65	Lam Vel	2.2040	4400.0	101	40836	No
142	GOM_TRA_1PNPDE20091221_213302_000000462085_00201_40836_9766.N1	21-DEC-2009 21:33:02	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	40836	No
143	GOM_TRA_1PNPDE20091221_213512_000000502085_00201_40836_9767.N1	21-DEC-2009 21:35:12	Dark	50.000	70	Zet Pup	2.2460	39000.	100	40836	No
144	GOM_TRA_1PNPDE20091221_213740_000000512085_00201_40836_9768.N1	21-DEC-2009 21:37:40	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	40836	No
145	GOM_TRA_1PNPDE20091221_214044_000000512085_00201_40836_9769.N1	21-DEC-2009 21:40:44	Straylight	51.000	23	21Eps CMa	1.5020	26000.	102	40836	No
146	GOM_TRA_1PNPDE20091221_214226_000000502085_00201_40836_9770.N1	21-DEC-2009 21:42:26	Straylight	49.500	179	24Omi2CMa	3.0320	24000.	99	40836	No
147	GOM_TRA_1PNPDE20091221_214513_000000532085_00201_40836_9771.N1	21-DEC-2009 21:45:13	Straylight	52.500	1	9Alp CMa	-1.4400	11000.	105	40836	No
148	GOM_TRA_1PNPDE20091221_214823_000000462085_00201_40836_9772.N1	21-DEC-2009 21:48:23	Straylight	46.000	7	19Bet Ori	0.10000	14000.	92	40836	No
149	GOM_TRA_1PNPDE20091221_215028_000000462085_00201_40836_9773.N1	21-DEC-2009 21:50:28	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	40836	No
150	GOM_TRA_1PNPDE20091221_215320_000000512085_00201_40836_9774.N1	21-DEC-2009 21:53:20	Tw_i_and_stray	51.000	14	58Alp Ori	0.87000	3000.0	102	40836	No
151	GOM_TRA_1PNPDE20091221_215725_000000442085_00201_40836_9775.N1	21-DEC-2009 21:57:25	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	40836	No
152	GOM_TRA_1PNPDE20091221_215929_000000432085_00201_40836_9776.N1	21-DEC-2009 21:59:29	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	40836	No
153	GOM_TRA_1PNPDE20091221_220247_000000622085_00201_40836_9777.N1	21-DEC-2009 22:02:47	Bright	62.000	107	37The Aur	2.6490	11000.	124	40836	No
154	GOM_TRA_1PNPDE20091221_220425_000000432085_00201_40836_9778.N1	21-DEC-2009 22:04:25	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	40836	No
155	GOM_TRA_1PNPDE20091221_222050_000000352085_00201_40836_9779.N1	21-DEC-2009 22:20:50	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	40836	No
156	GOM_TRA_1PNPDE20091221_222510_000000422085_00201_40836_9780.N1	21-DEC-2009 22:25:10	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	40836	No
157	GOM_TRA_1PNPDE20091221_222759_000000452085_00201_40836_9781.N1	21-DEC-2009 22:27:59	Bright	45.000	39	85Eta UMa	1.8540	24000.	90	40836	No
158	GOM_TRA_1PNPDE20091221_223133_000000572085_00201_40836_9782.N1	21-DEC-2009 22:31:33	Bright	57.000	180	27Gam Boo	3.0400	8000.0	114	40836	No
159	GOM_TRA_1PNPDE20091221_223455_000000382085_00201_40836_9783.N1	21-DEC-2009 22:34:55	Bright	38.000	83		2.3780	11000.	76	40836	No
160	GOM_TRA_1PNPDE20091221_223828_000000452085_00201_40836_9784.N1	21-DEC-2009 22:38:28	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	40836	No
161	GOM_TRA_1PNPDE20091221_224904_000000562085_00201_40836_9779.N1	21-DEC-2009 22:49:04	Tw_i_and_stray	56.000	15	67Alp Vir	0.97600	28000.	112	40836	No
162	GOM_TRA_1PNPDE20091221_225347_000000432085_00201_40836_9780.N1	21-DEC-2009 22:53:47	Dark	42.500	54	5The Cen	2.0550	4500.0	85	40836	No
163	GOM_TRA_1PNPDE20091221_225536_000000532085_00201_40836_9781.N1	21-DEC-2009 22:55:36	Dark	53.000	106	9Bet Crv	2.6480	5600.0	106	40836	No
164	GOM_TRA_1PNPDE20091221_225941_000000412085_00201_40836_9782.N1	21-DEC-2009 22:59:41	Dark	40.500	64	Gam Cen	2.2000	10600.	81	40836	No
165	GOM_TRA_1PNPDE20091221_230122_000000542085_00202_40837_9783.N1	21-DEC-2009 23:01:22	Dark	53.500	26	Gam Cru	1.6240	2900.0	107	40837	No
166	GOM_TRA_1PNPDE20091221_230530_000000472085_00202_40837_9784.N1	21-DEC-2009 23:05:30	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	40837	No
167	GOM_TRA_1PNPDE20091221_230853_000000422085_00202_40837_9785.N1	21-DEC-2009 23:08:53	Dark	41.500	71	lot Car	2.2460	7700.0	83	40837	No
168	GOM_TRA_1PNPDE20091221_231152_000000532085_00202_40837_9786.N1	21-DEC-2009 23:11:52	Dark	53.000	65	Lam Vel	2.2040	4400.0	106	40837	No
169	GOM_TRA_1PNPDE20091221_231338_000000442085_00202_40837_9787.N1	21-DEC-2009 23:13:38	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	40837	No
170	GOM_TRA_1PNPDE20091221_231549_000000512085_00202_40837_9788.N1	21-DEC-2009 23:15:49	Dark	50.500	70	Zet Pup	2.2460	39000.	101	40837	No
171	GOM_TRA_1PNPDE20091221_231816_000000502085_00202_40837_9789.N1	21-DEC-2009 23:18:16	Dark	50.000	117	Pi Pup	2.7060	3800.0	100	40837	No
172	GOM_TRA_1PNPDE20091221_232121_000000512085_00202_40837_9790.N1	21-DEC-2009 23:21:21	Straylight	51.000	23	21Eps CMa	1.5020	26000.	102	40837	No
173	GOM_TRA_1PNPDE20091221_232302_000000512085_00202_40837_9791.N1	21-DEC-2009 23:23:02	Straylight	50.500	179	24Omi2CMa	3.0320	24000.	101	40837	No
174	GOM_TRA_1PNPDE20091221_232549_000000562085_00202_40837_9792.N1	21-DEC-2009 23:25:49	Straylight	55.500	1	9Alp CMa	-1.4400	11000.	111	40837	No
175	GOM_TRA_1PNPDE20091221_232859_000000482085_00202_40837_9793.N1	21-DEC-2009 23:28:59	Straylight	48.000	7	19Bet Ori	0.10000	14000.	96	40837	No
176	GOM_TRA_1PNPDE20091221_233104_000000462085_00202_40837_9794.N1	21-DEC-2009 23:31:04	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	40837	No
177	GOM_TRA_1PNPDE20091221_233356_000000592085_00202_40837_9795.N1	21-DEC-2009 23:33:56	Tw_i_and_stray	58.500	14	58Alp Ori	0.87000	3000.0	117	40837	No
178	GOM_TRA_1PNPDE20091221_233801_000000432085_00202_40837_9796.N1	21-DEC-2009 23:38:01	Bright	42.500	176	23Zet Tau	3.0200	22000.	85	40837	No
179	GOM_TRA_1PNPDE20091221_234005_000000402085_00202_40837_9797.N1	21-DEC-2009 23:40:05	Bright	40.000	28	12Bet Tau	1.6500	15200.	80	40837	No
180	GOM_TRA_1PNPDE20091221_234323_000000422085_00202_40837_9798.N1	21-DEC-2009 23:43:23	Bright	41.500	107	37The Aur	2.6490	11000.	83	40837	No
181	GOM_TRA_1PNPDE20091221_234500_000000492085_00202_40837_9799.N1	21-DEC-2009 23:45:00	Bright	48.500	6	13Alp Aur	0.080000	3400.0	97	40837	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).

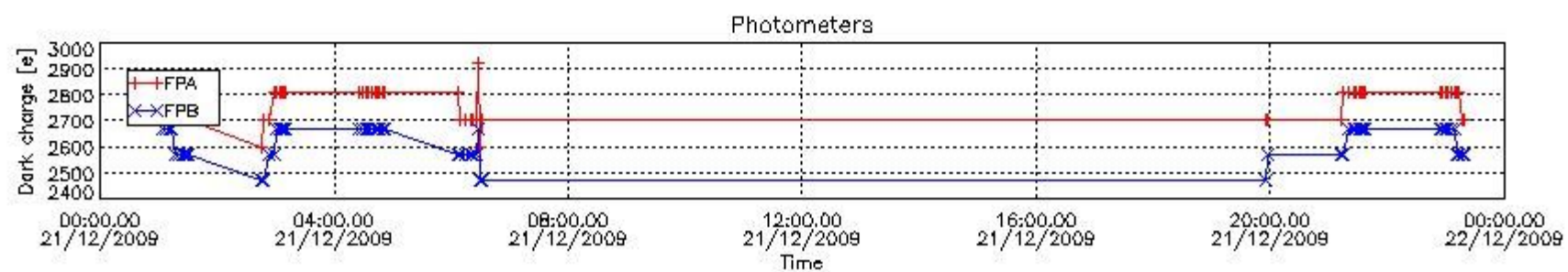
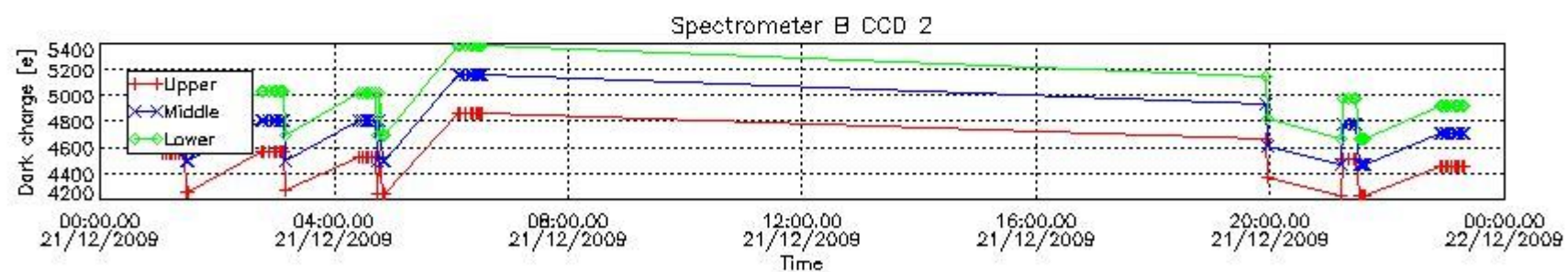
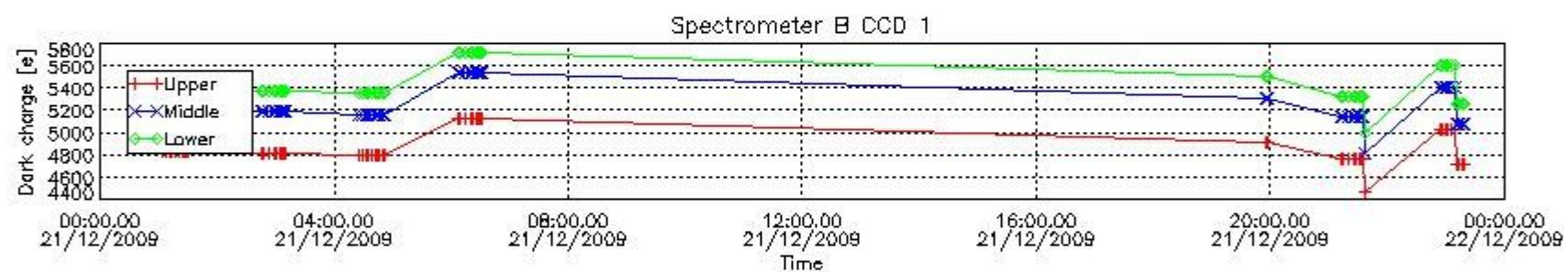
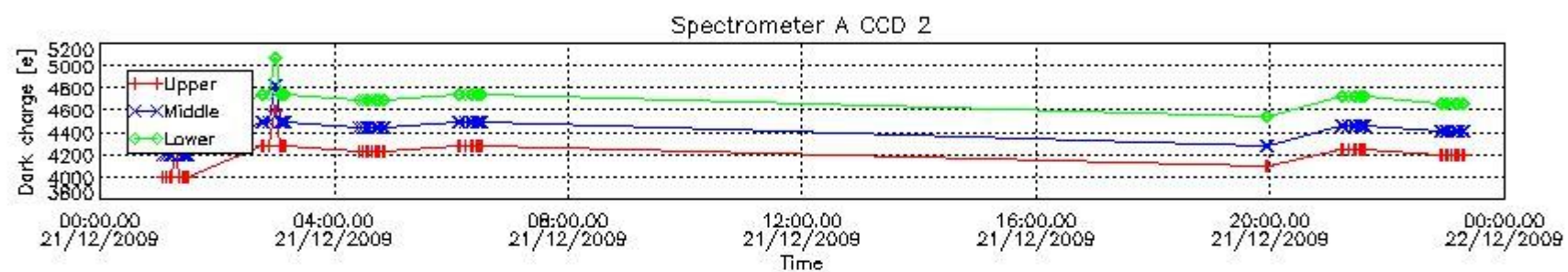
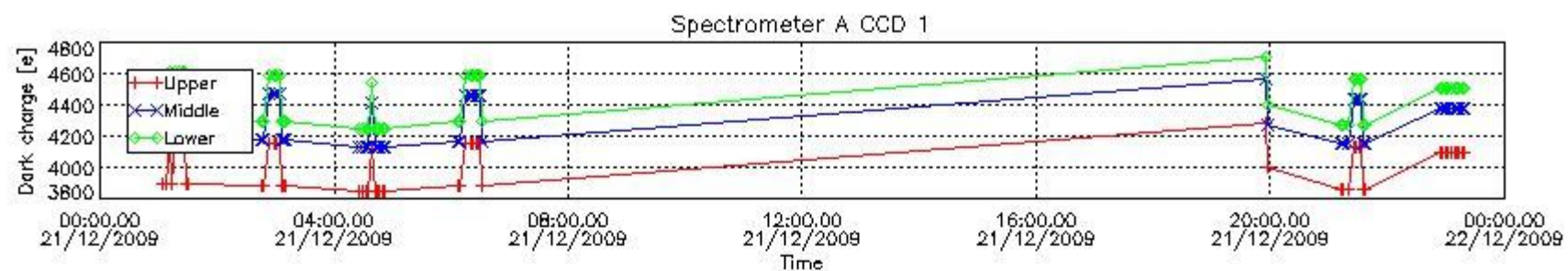
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20091221_195225_000000462085_00200_40835_9741.N1	DC map with no T dep.
GOM_TRA_1PNPDE20091221_195436_000000462085_00200_40835_9742.N1	DC map used
GOM_TRA_1PNPDE20091221_195704_000000532085_00200_40835_9743.N1	DC map used
GOM_TRA_1PNPDE20091221_200008_000000472085_00200_40835_9744.N1	DC map used
GOM_TRA_1PNPDE20091221_200149_000000512085_00200_40835_9745.N1	DC map used
GOM_TRA_1PNPDE20091221_200437_000000562085_00200_40835_9746.N1	DC map used
GOM_TRA_1PNPDE20091221_200747_000000442085_00200_40835_9747.N1	DC map used
GOM_TRA_1PNPDE20091221_200952_000000452085_00200_40835_9748.N1	DC map used
GOM_TRA_1PNPDE20091221_201245_000000582085_00200_40835_9749.N1	DC map used
GOM_TRA_1PNPDE20091221_201649_000000432085_00200_40835_9750.N1	DC map used
GOM_TRA_1PNPDE20091221_201854_000000422085_00200_40835_9751.N1	DC map used
GOM_TRA_1PNPDE20091221_202212_000000422085_00200_40835_9752.N1	DC map used
GOM_TRA_1PNPDE20091221_202349_000000462085_00200_40835_9753.N1	DC map used
GOM_TRA_1PNPDE20091221_204014_000000402085_00200_40835_9754.N1	DC map used

GOM_TRA_1PNPDE20091221_204434_000000462085_00200_40835_9755.N1	DC map used
GOM_TRA_1PNPDE20091221_204723_000000602085_00200_40835_9756.N1	DC map used
GOM_TRA_1PNPDE20091221_205058_000000482085_00200_40835_9757.N1	DC map used
GOM_TRA_1PNPDE20091221_205418_000000382085_00200_40835_9758.N1	DC map used
GOM_TRA_1PNPDE20091221_205751_000000642085_00200_40835_9759.N1	DC map used

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

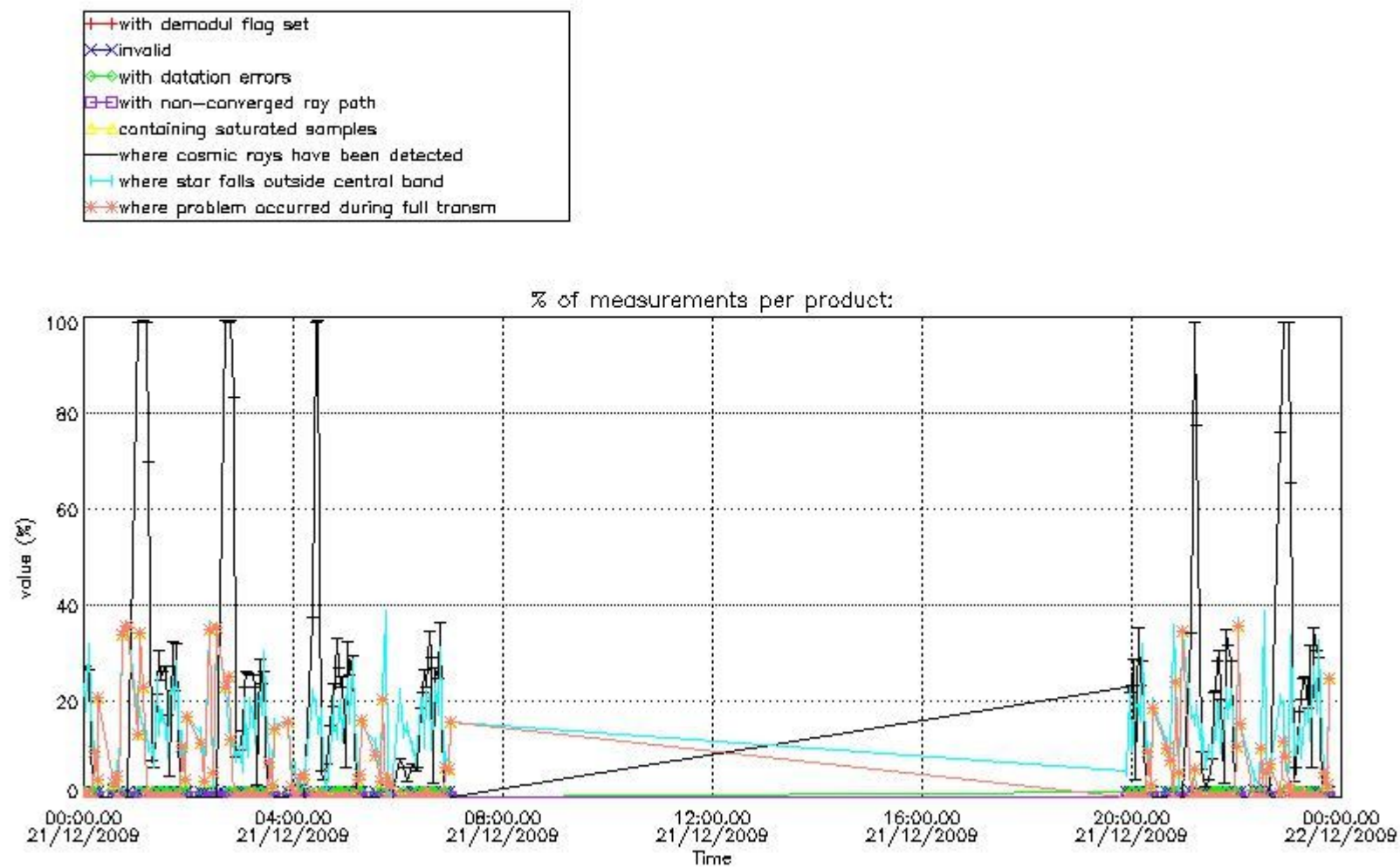


In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

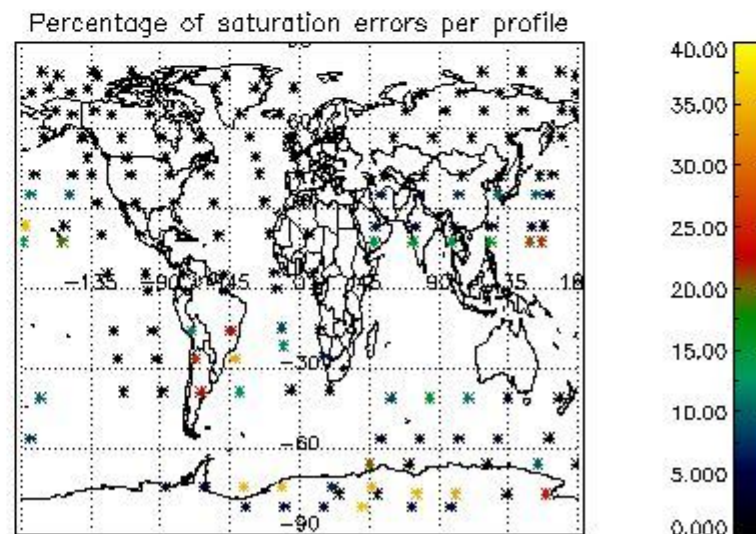
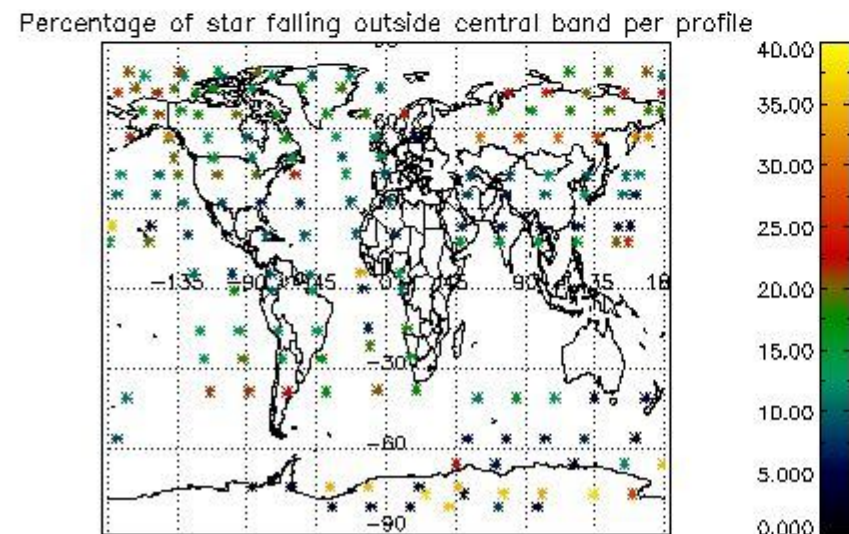
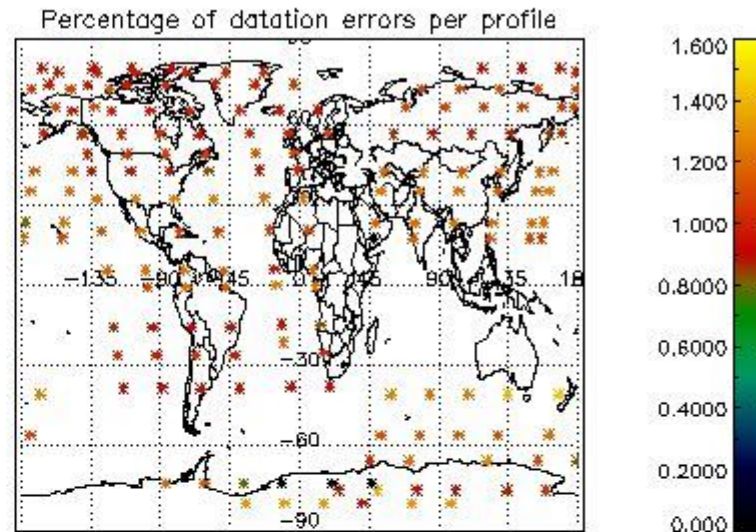
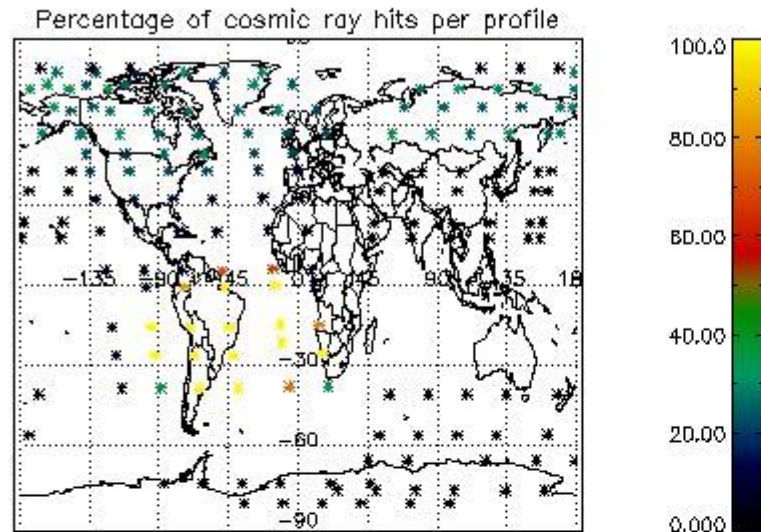
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	50.8380 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



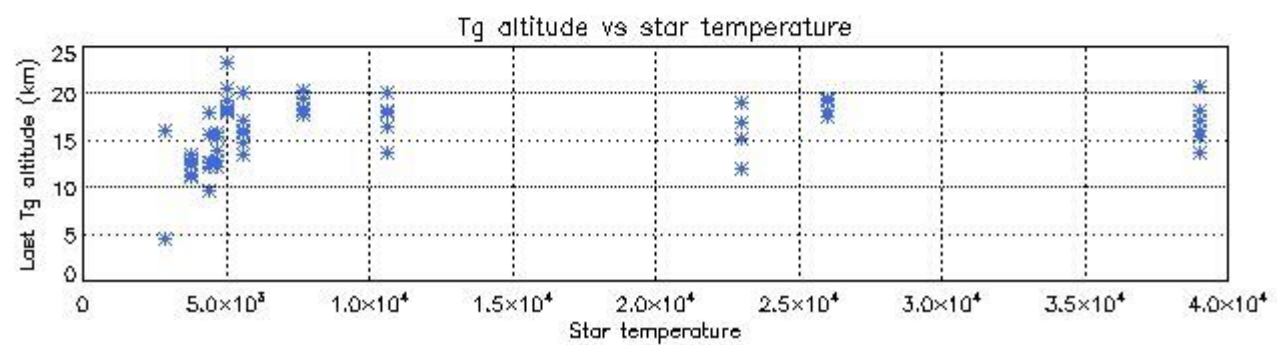
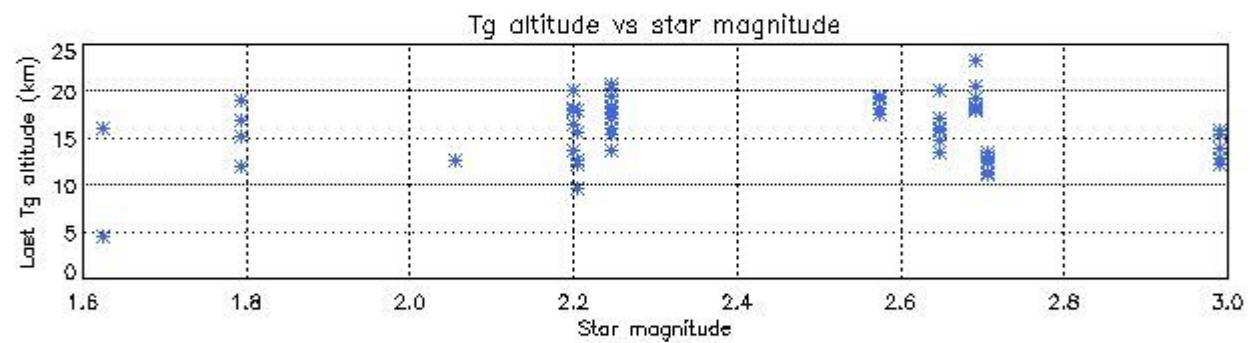
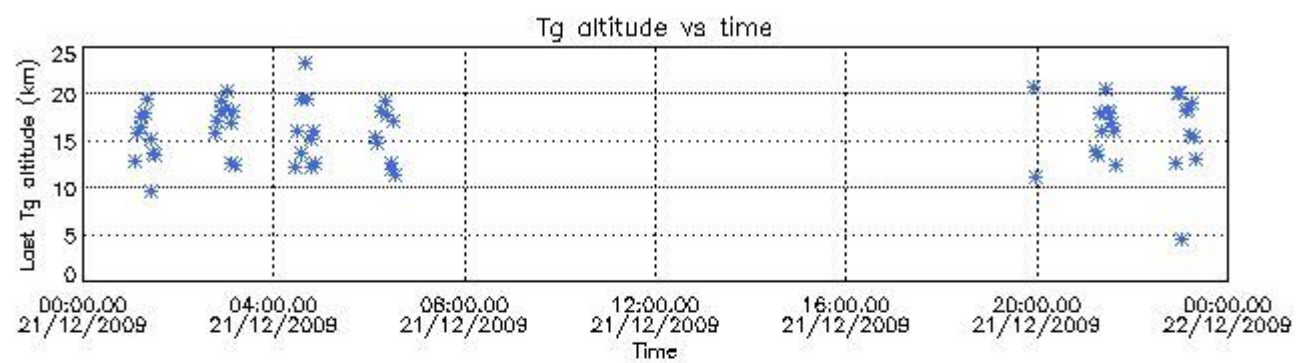
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.924	16.360	NaN
St. deviation:	3.2973	6.1918	NaN
Maximum:	23.273	25.685	NaN
Minimum:	4.5610	3.6983	NaN
Number of data:	61.000	67.000	NaN

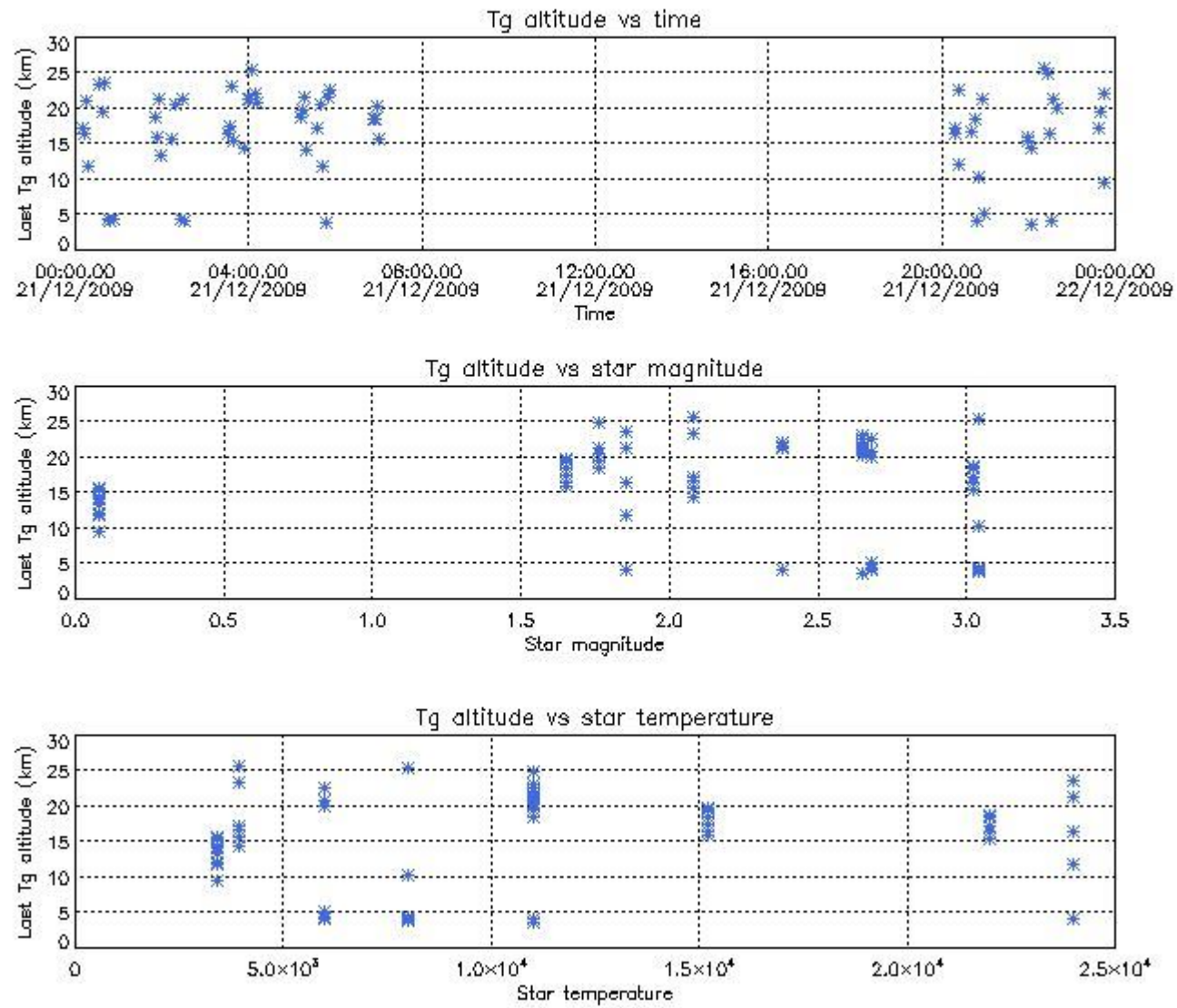
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

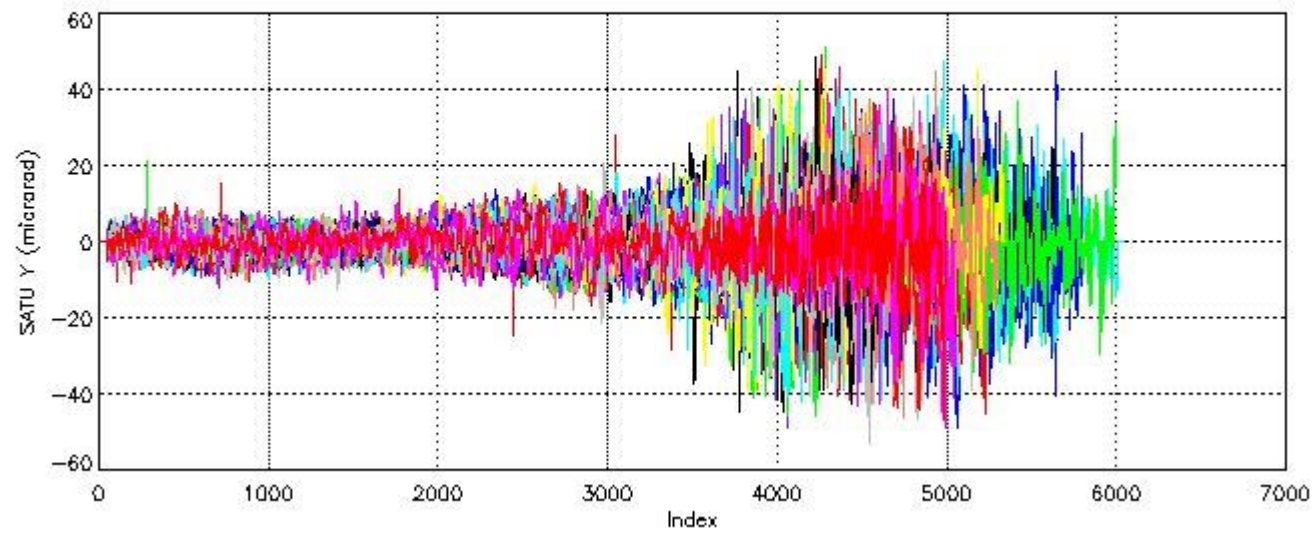
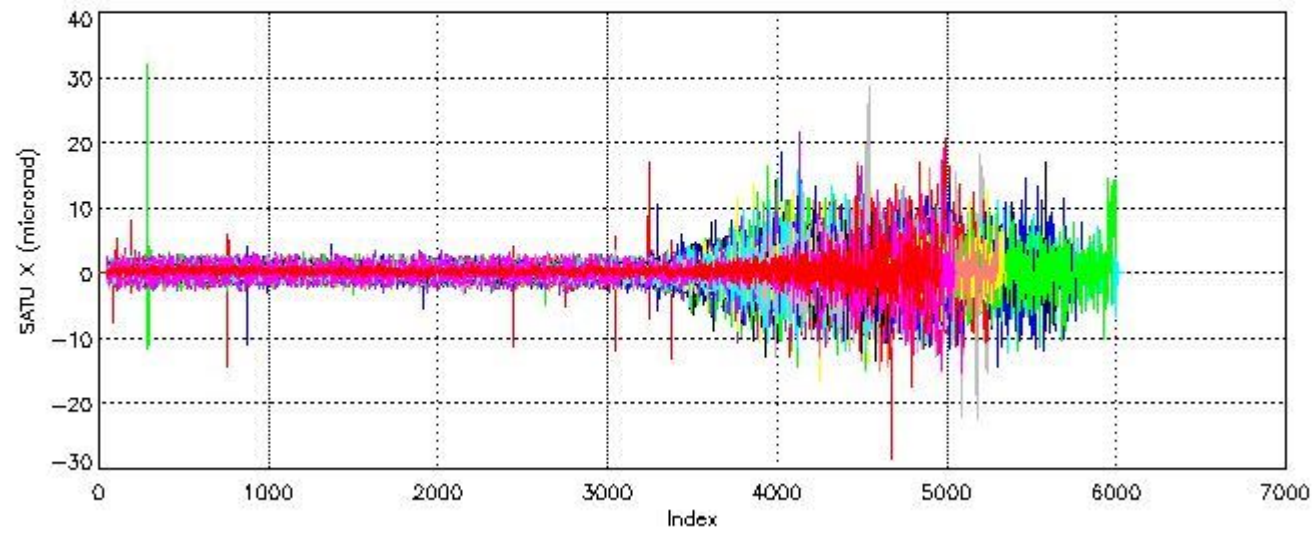


7. Star Acquisition and Tracking Unit (SATU)

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:	0.24266	-0.26978	0.16223	-0.30772
St. deviation:	0.59088	2.3955	0.80929	2.5821
Maximum:	31.900	20.800	5.6000	13.200
Minimum:	-14.400	-12.100	-6.3000	-12.500

Number of data:	64300.	64300.	63850.	63850.
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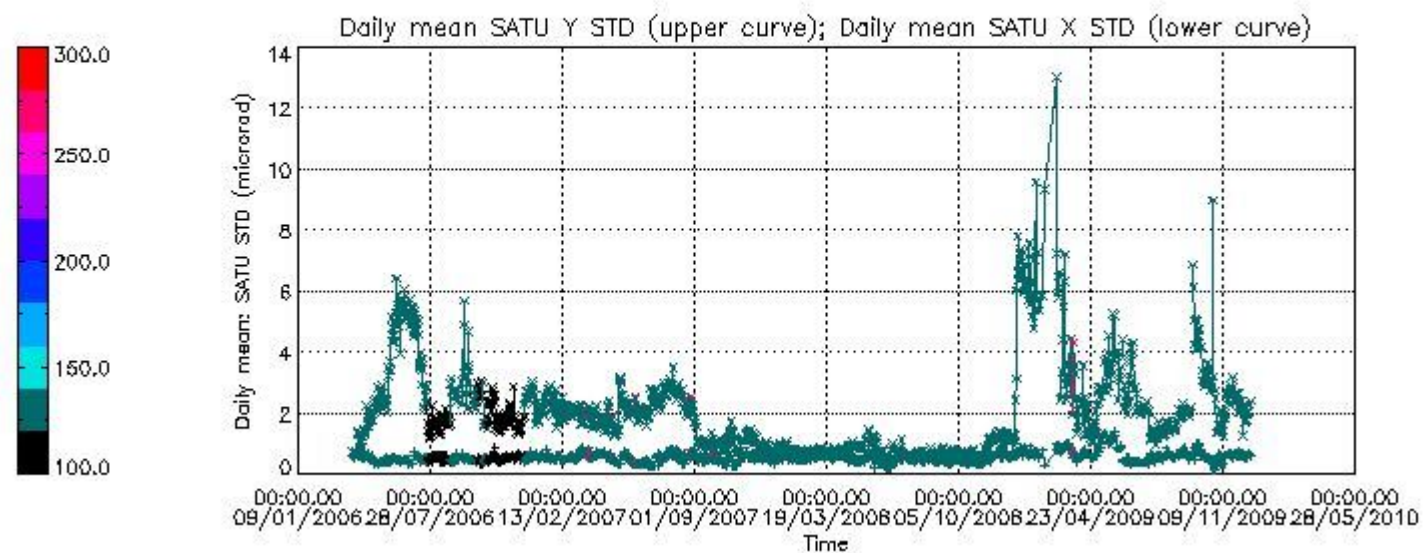
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

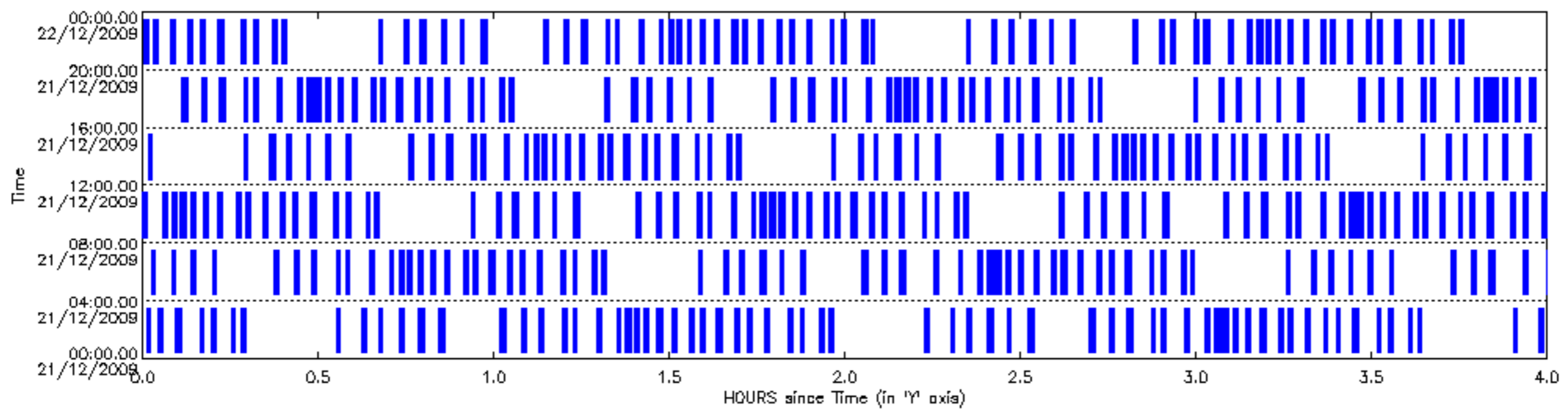
Lower curve: STD of SATU X axis

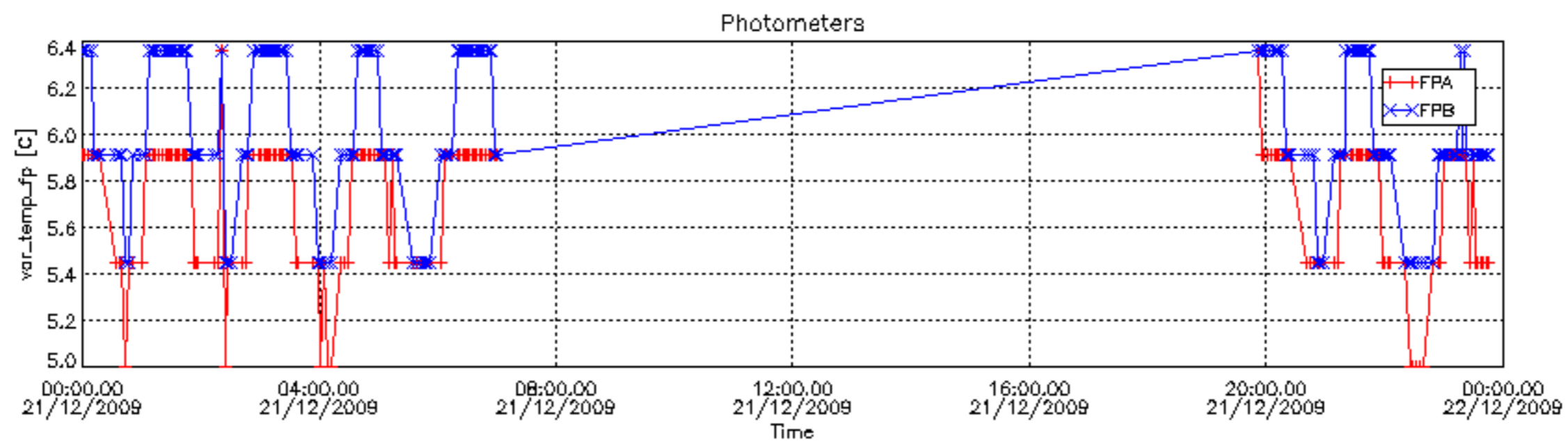
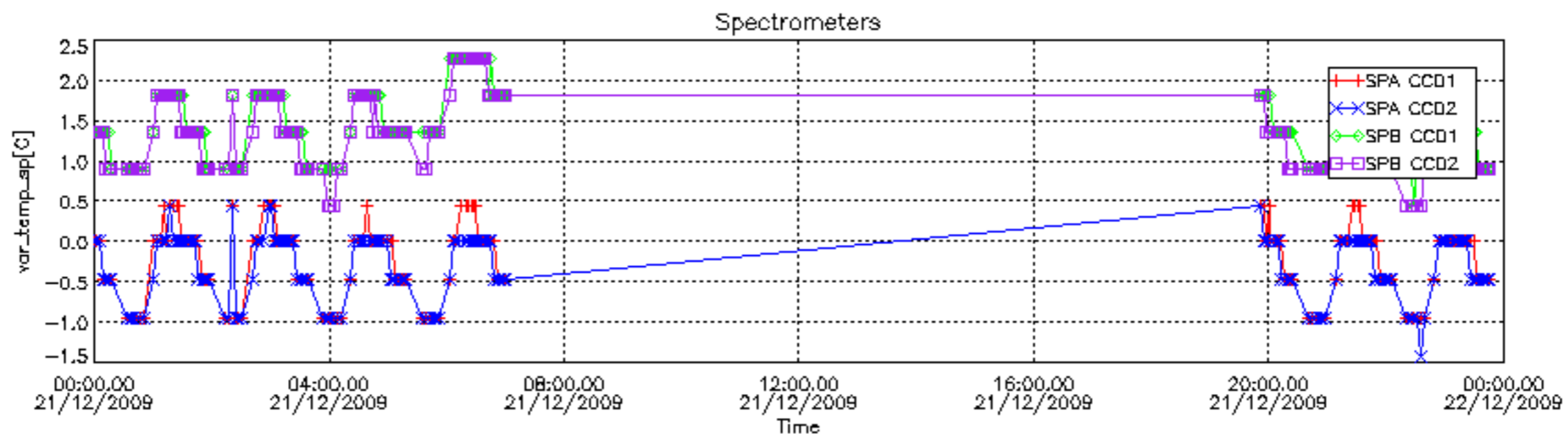


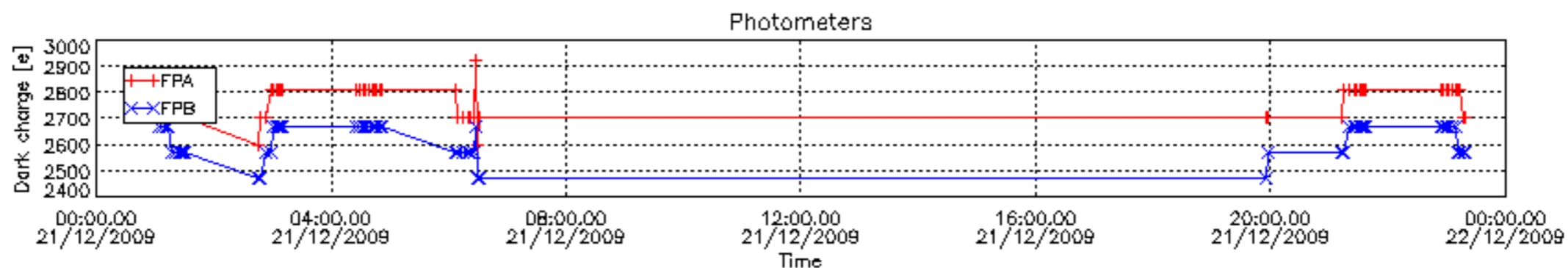
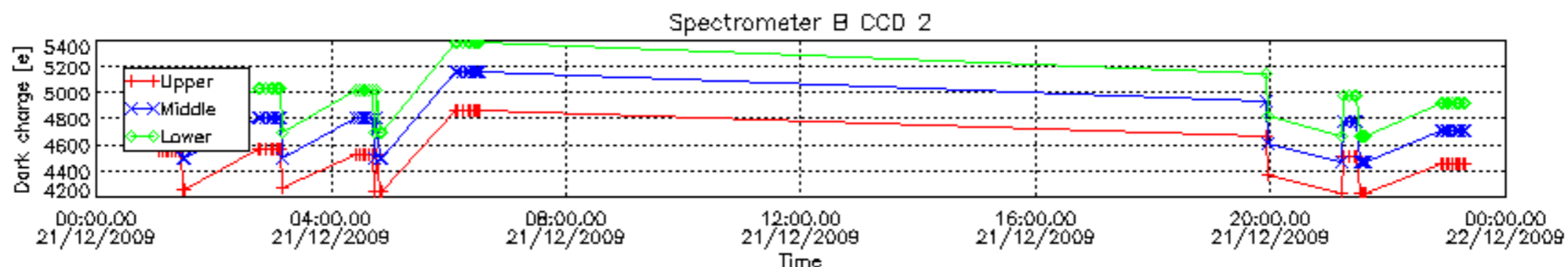
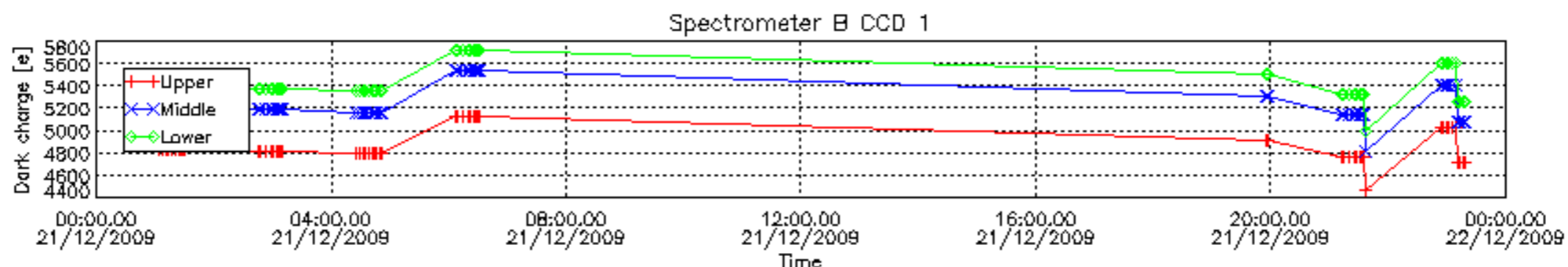
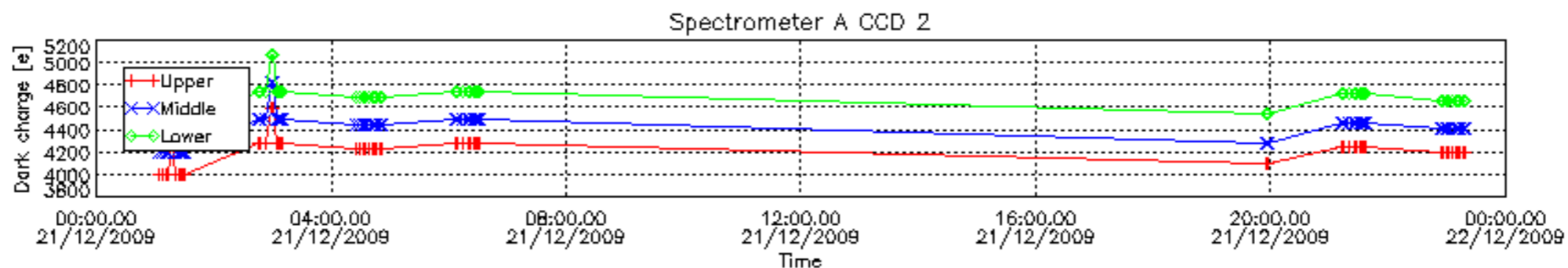
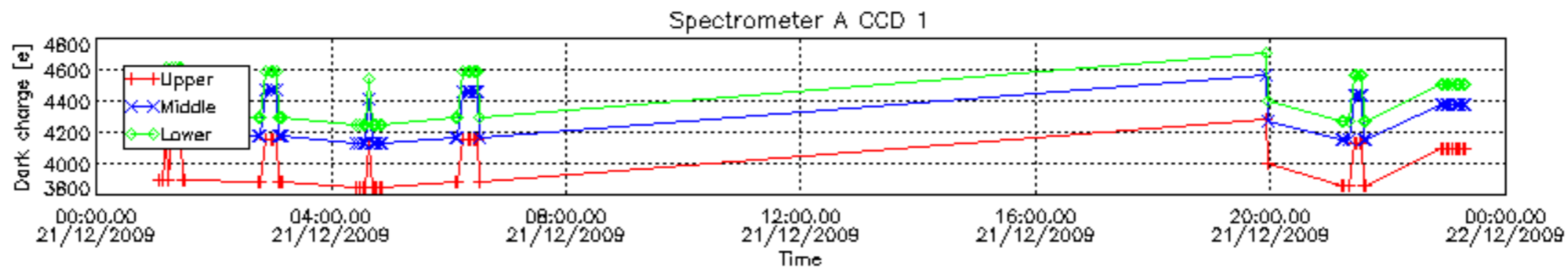
8. Auxiliary Data Files used for the production reported in section 2.4

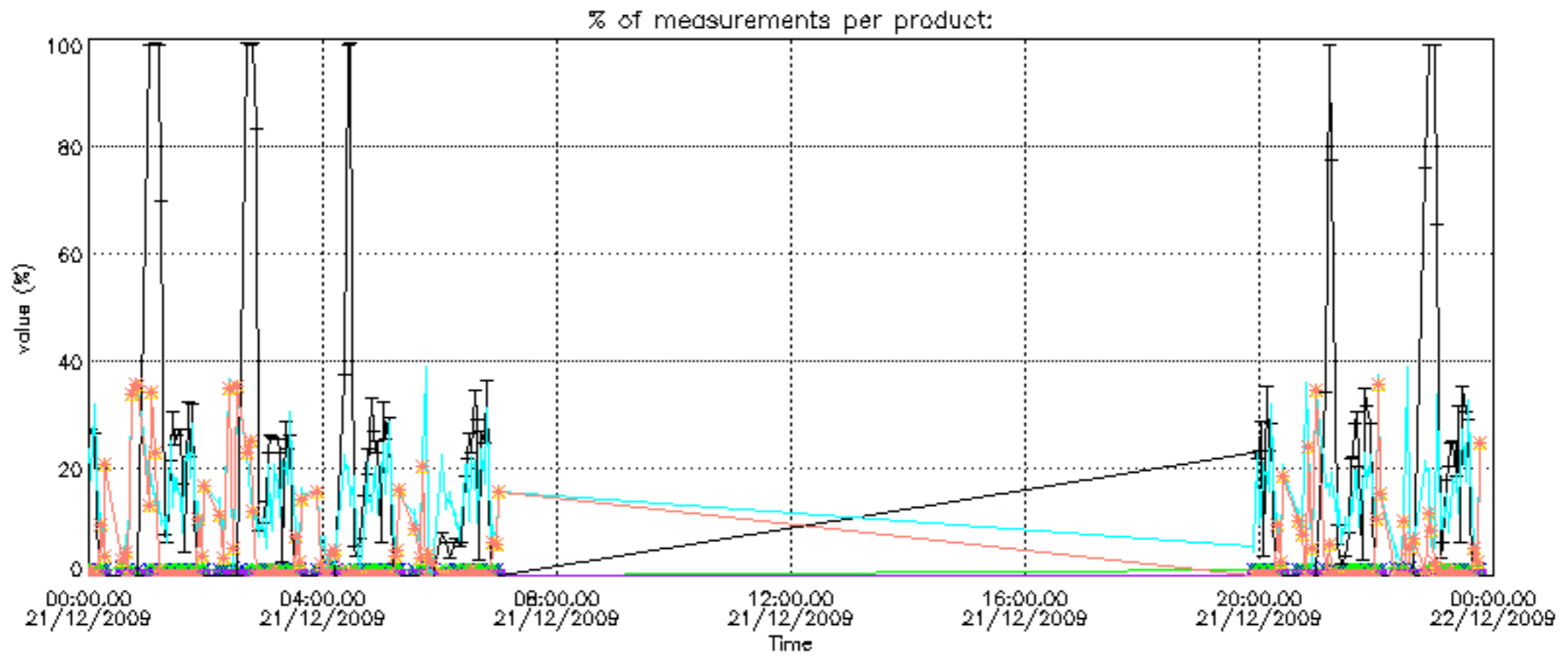
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-DEC-2009 00:00:35
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091214_085046_20091212_000000_20500101_000000	1	21-DEC-2009 00:00:35
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	21-DEC-2009 00:00:35
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	21-DEC-2009 00:00:35
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	21-DEC-2009 00:00:35
ECMWF_FILE	MISSING	1	21-DEC-2009 00:00:35
OPTIONAL_ECMWF_FILE	MISSING	1	21-DEC-2009 00:00:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091220_231528_000057382085_00187_40822_9399.N1	1	21-DEC-2009 00:00:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091221_005625_000044632085_00188_40823_9400.N1	14	21-DEC-2009 01:01:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091221_021607_000054192085_00189_40824_9401.N1	37	21-DEC-2009 02:20:49
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091219_010111_20091218_193247_20091228_205902	62	21-DEC-2009 03:54:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091221_053242_000057382085_00191_40826_9403.N1	89	21-DEC-2009 05:34:51
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091221_194807_000041442085_00200_40835_9404.N1	115	21-DEC-2009 19:52:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091221_205711_000060572085_00200_40835_9405.N1	134	21-DEC-2009 21:08:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091221_224327_000057382085_00201_40836_9406.N1	161	21-DEC-2009 22:49:04

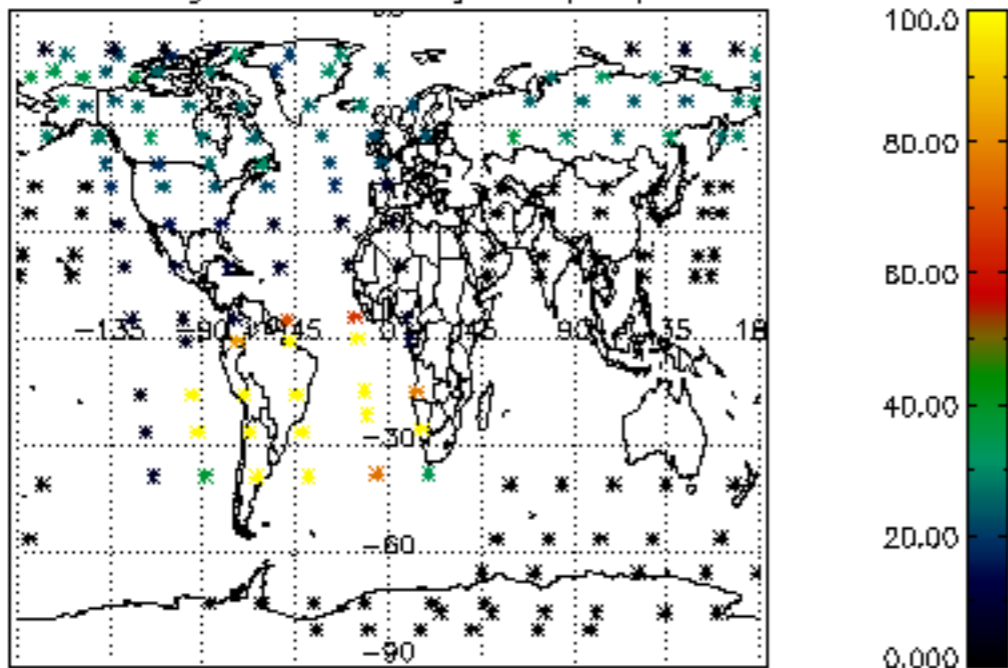




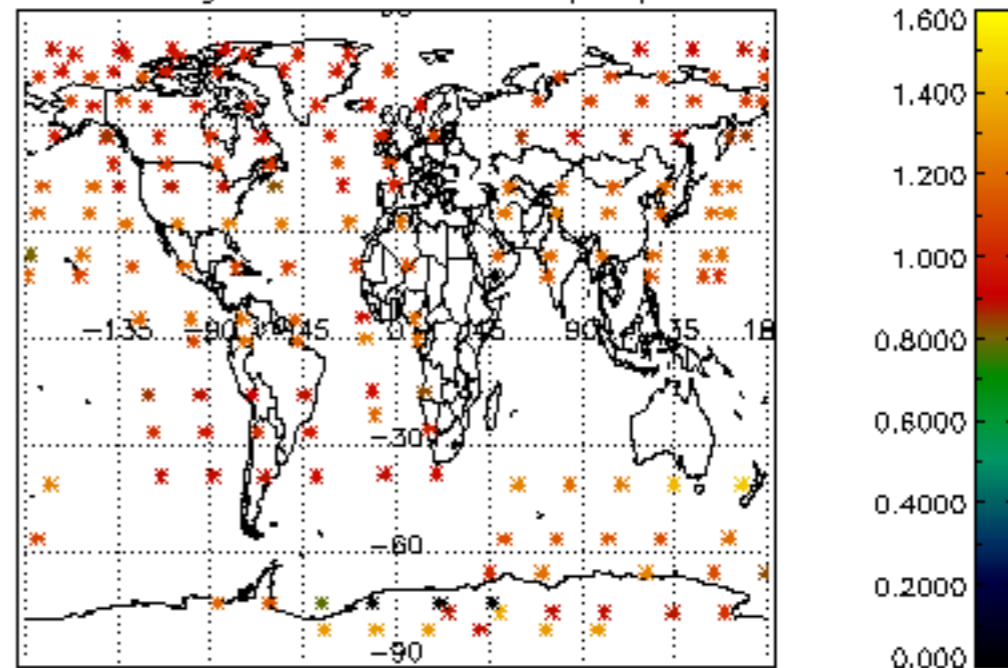




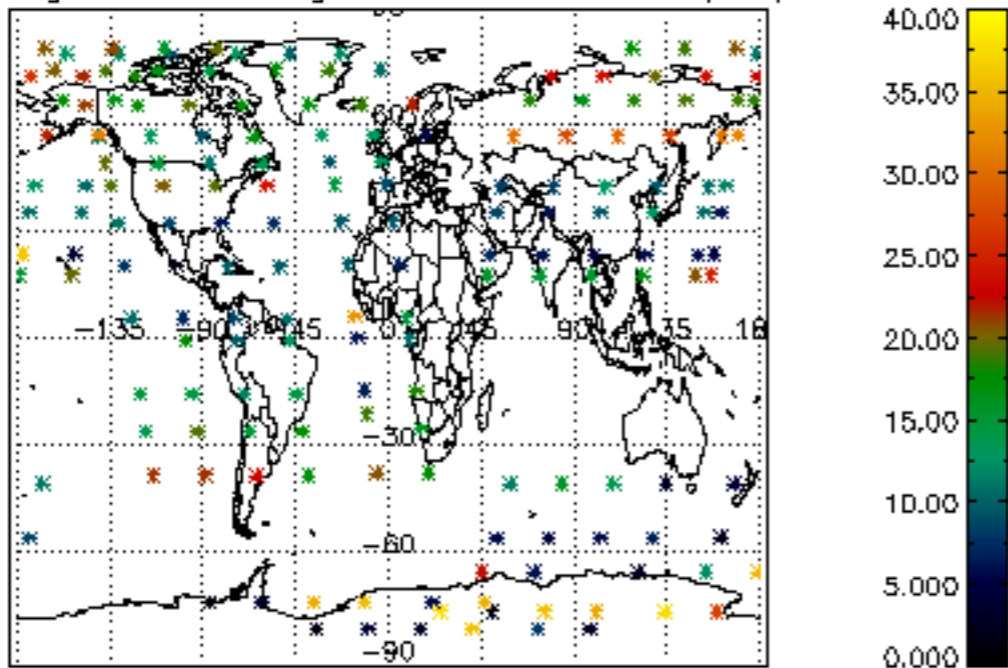
Percentage of cosmic ray hits per profile



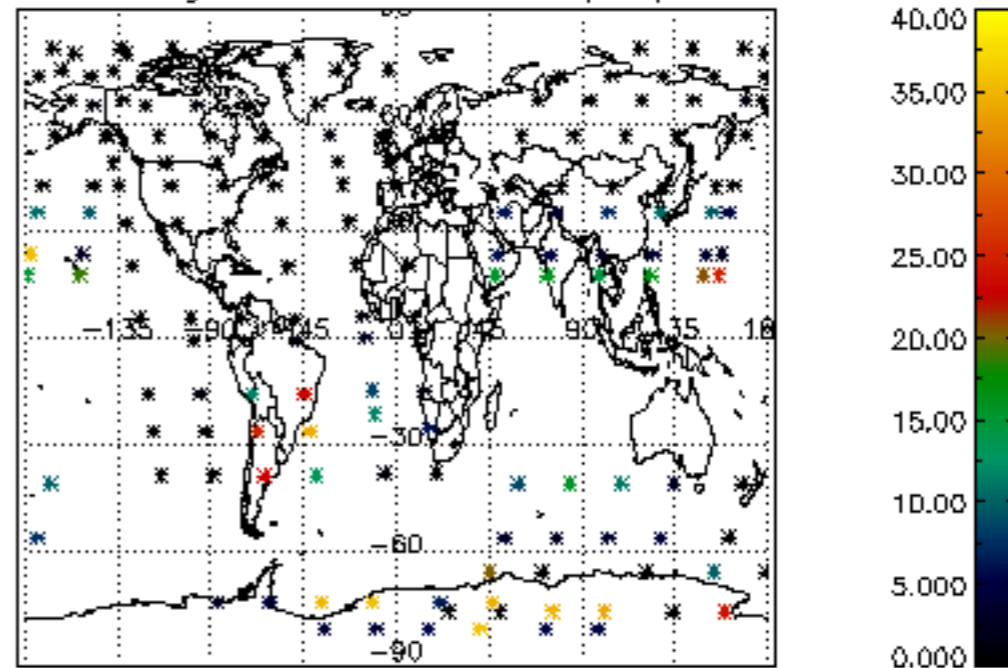
Percentage of datation errors per profile



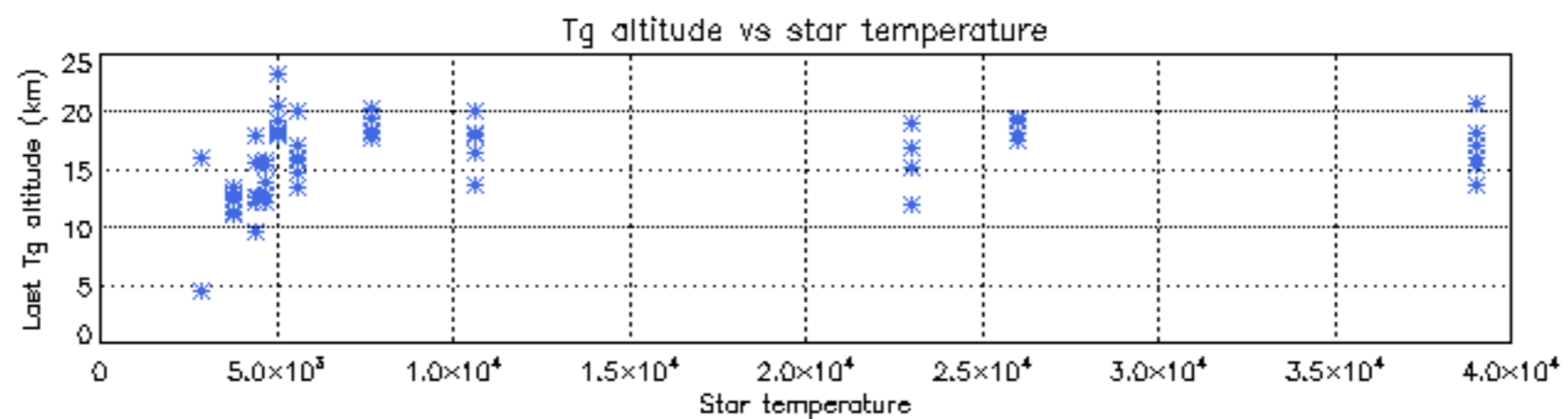
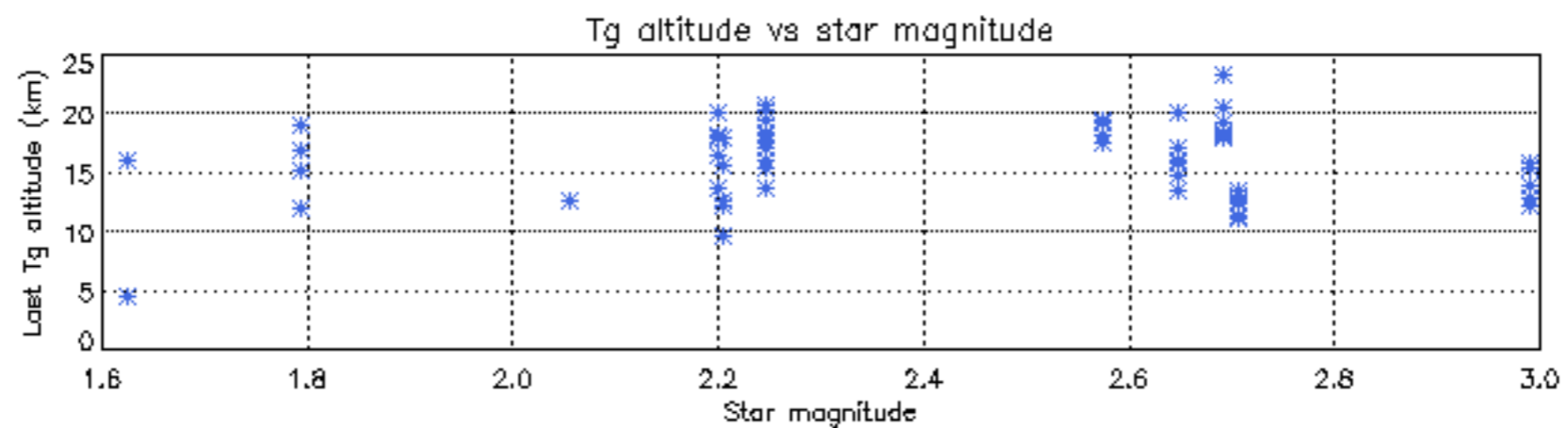
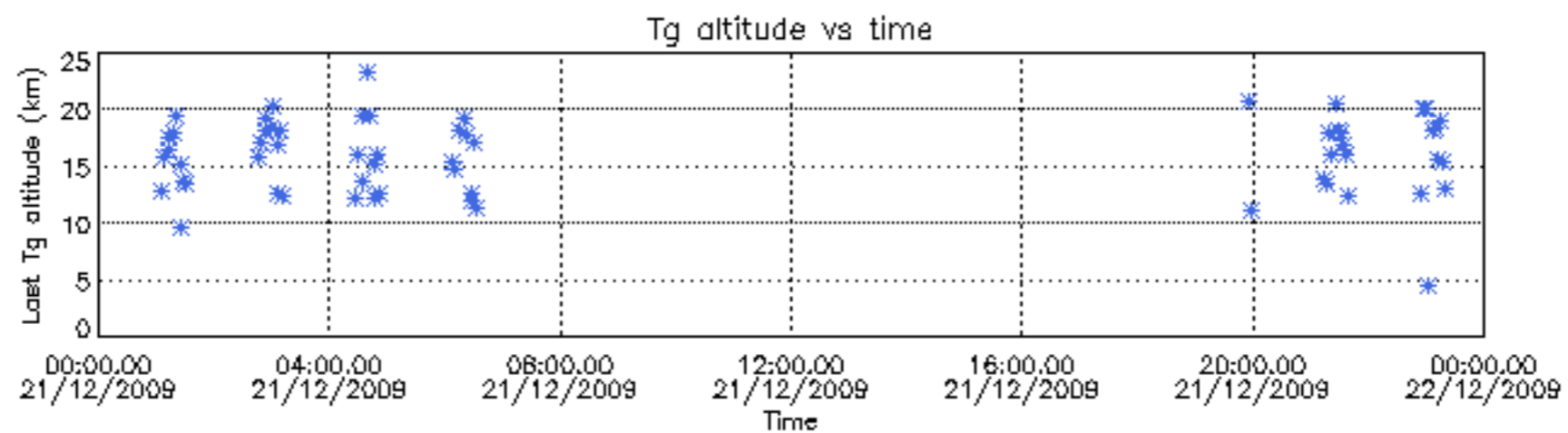
Percentage of star falling outside central band per profile



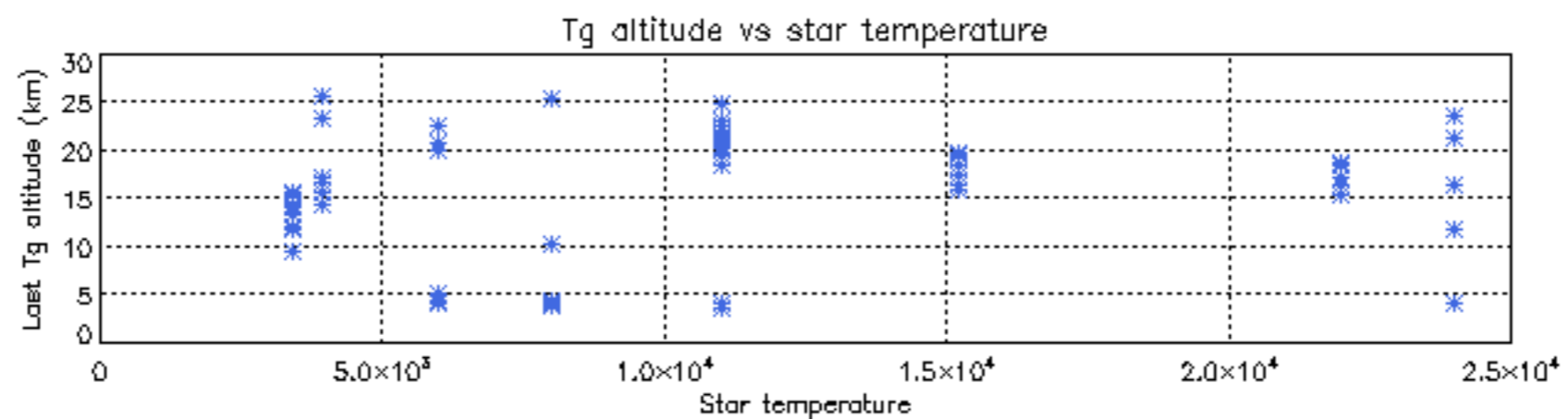
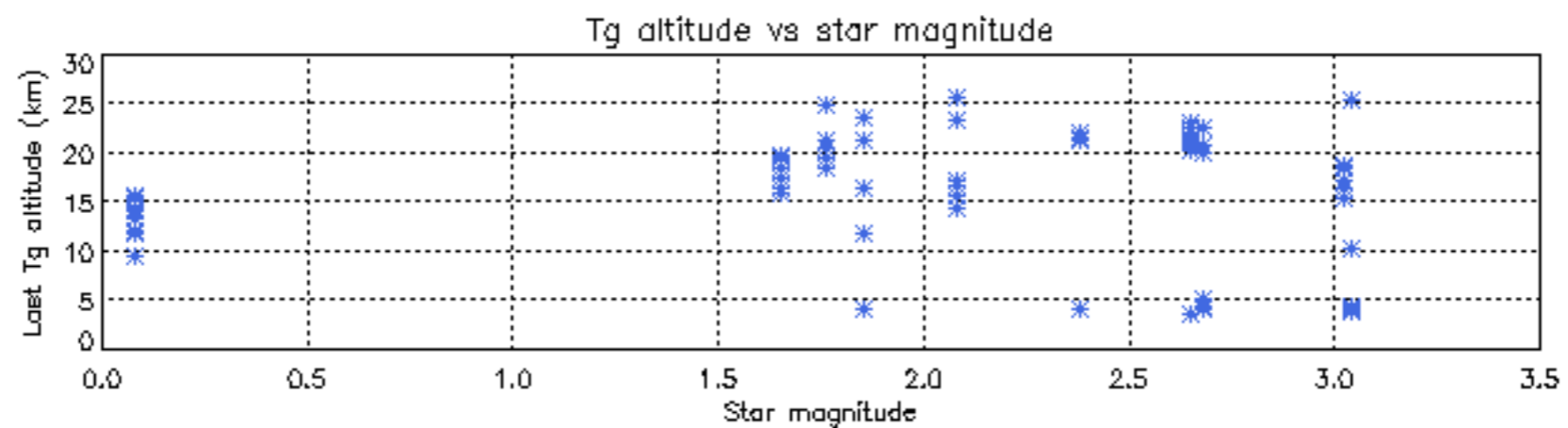
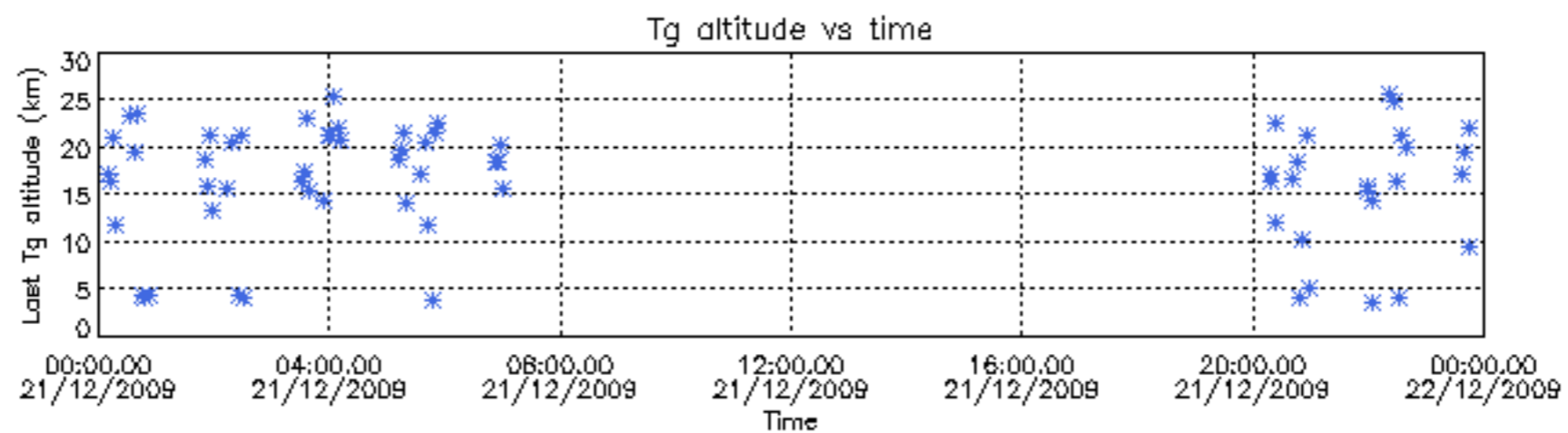
Percentage of saturation errors per profile

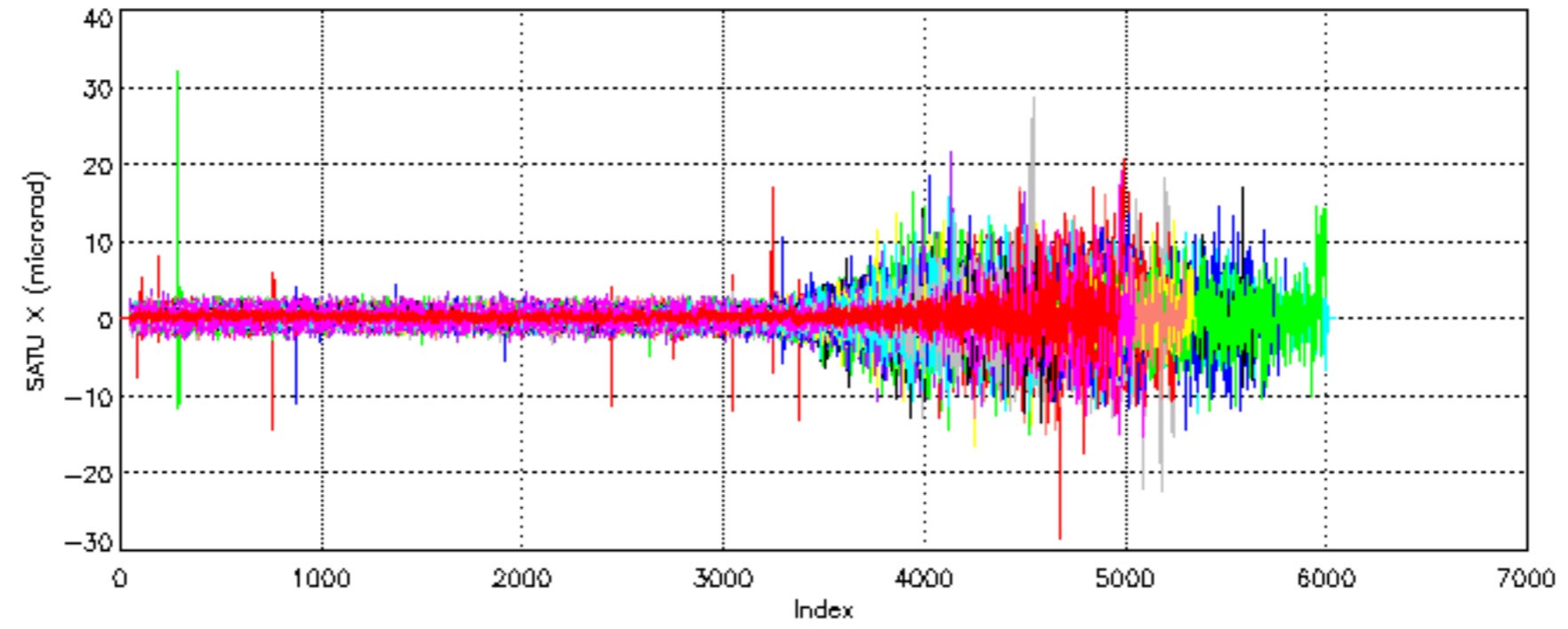


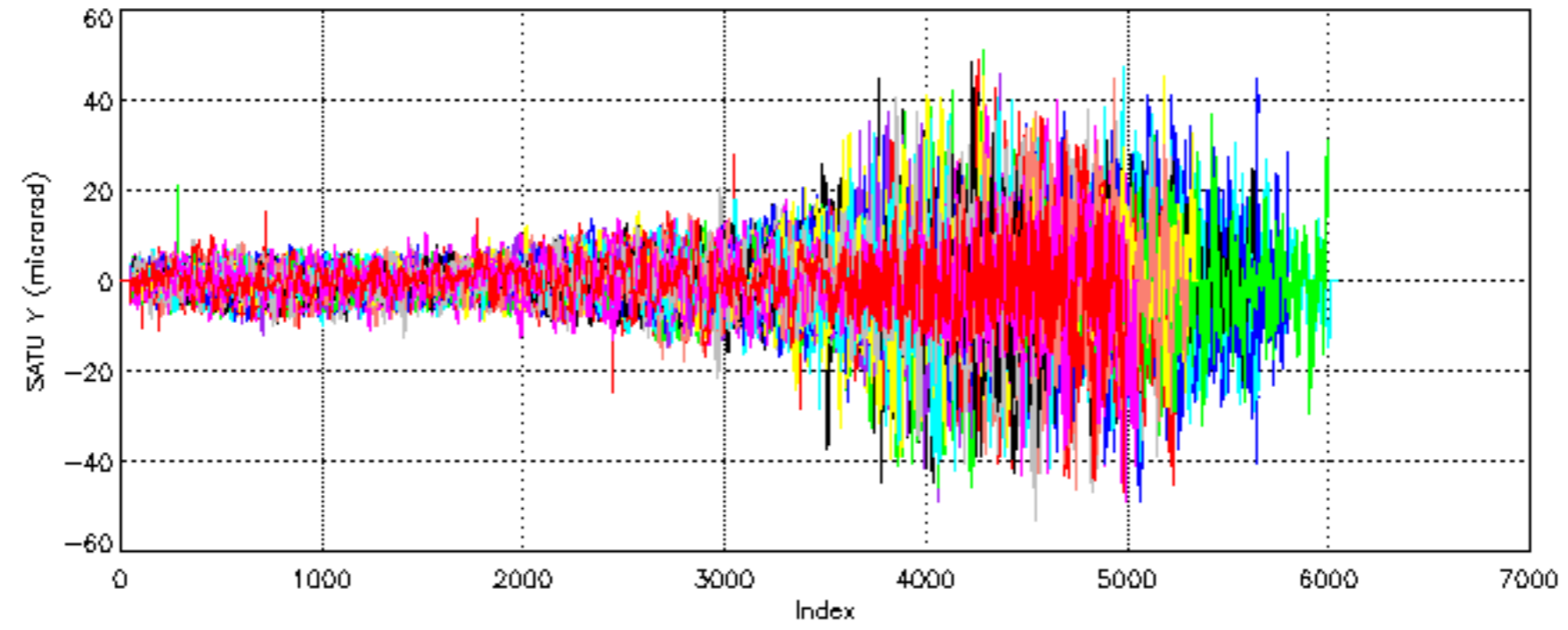
Tangent altitude at which the star is lost

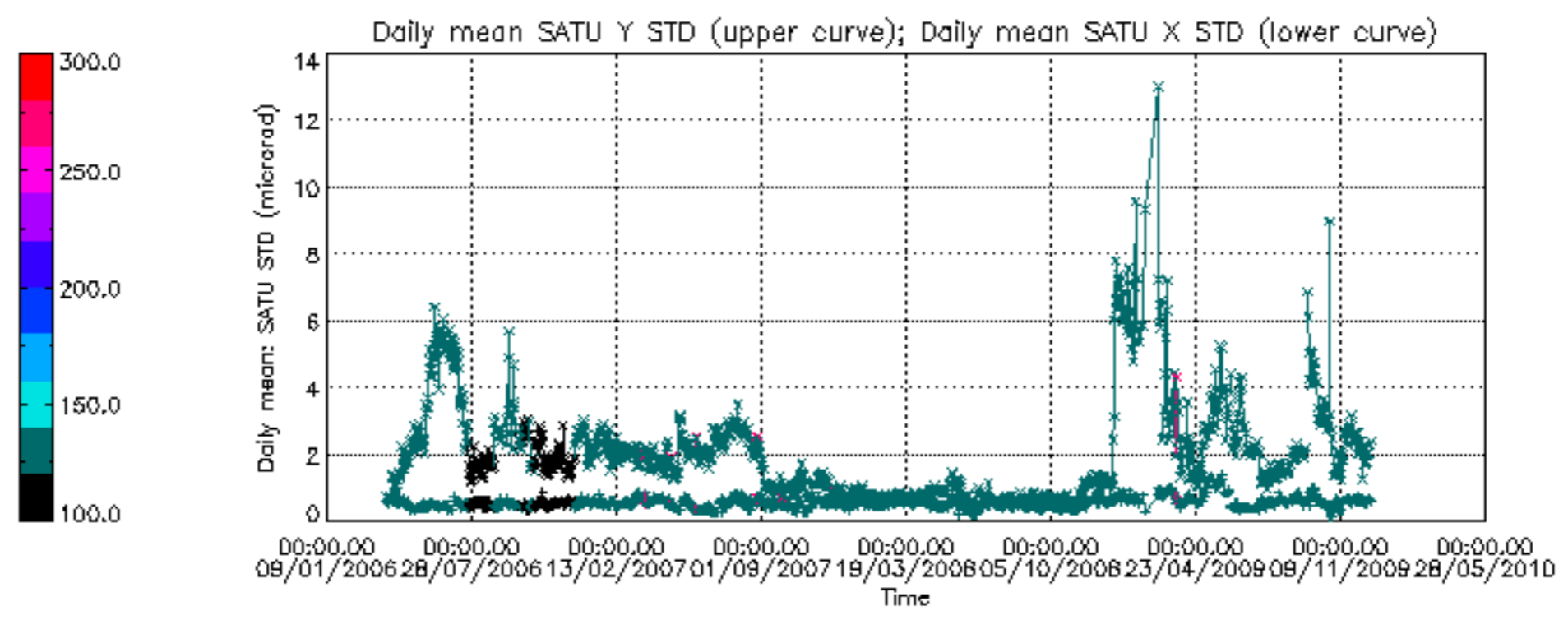


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091201_013105_000044402084_00403_40537_9039.N1

1; -575.6; 01-DEC-2009 01:31:05; Dark ; 49.5; 100; 4Gam Crv ; 2.58; 13100;occ; 99; 0;40537
 2; -480.0; 01-DEC-2009 01:32:41; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;40537
 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
 19; 3821.0; 01-DEC-2009 02:44:22; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;40538

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091201_024439_000052052084_00404_40538_9040.N1

1; -2197.9; 01-DEC-2009 02:44:39; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 34;40538
 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
 7; -915.0; 01-DEC-2009 03:06:02; Bright; 62.0; 121; 29Gam Vir ; 2.74; 7200;occ; 124; 0;40538
 8; -574.6; 01-DEC-2009 03:11:42; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;40538
 9; -479.0; 01-DEC-2009 03:13:18; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;40538
 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
 14; 920.7; 01-DEC-2009 03:36:38; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;40539
 15; 1148.2; 01-DEC-2009 03:40:25; Dark ; 68.0; 23; 21Eps CMa ; 1.50; 26000;occ; 136; 0;40539
 16; 1536.0; 01-DEC-2009 03:46:53; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;40539
 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
 19; 2095.7; 01-DEC-2009 03:56:13; Dark ; 61.0; 27; 24Gam Ori ; 1.64; 26000;occ; 122; 0;40539
 20; 2231.6; 01-DEC-2009 03:58:28; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;40539
 21; 2328.6; 01-DEC-2009 04:00:05; Bright; 38.5; 146; 25Eta Tau ; 2.87; 15200;occ; 77; 0;40539
 22; 2470.5; 01-DEC-2009 04:02:27; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;40539
 23; 2616.1; 01-DEC-2009 04:04:53; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;40539
 24; 2846.8; 01-DEC-2009 04:08:44; Bright; 66.0; 6; 13Alp Aur ; 0.08; 3400;occ; 132; 0;40539
 25; 2956.1; 01-DEC-2009 04:10:33; Bright; 51.5; 42; 34Bet Aur ; 1.90; 10200;occ; 103; 0;40539

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1; -2215.3; 01-DEC-2009 04:24:58; Bright; 51.0; 36; 50Alp UMa ; 1.80; 6300;occ; 102; 0;40539
 2; -2119.0; 01-DEC-2009 04:26:34; Bright; 47.5; 82; 48Bet UMa ; 2.37; 10600;occ; 95; 0;40539
 3; -2021.3; 01-DEC-2009 04:28:12; Bright; 56.0; 32; 77Eps UMa ; 1.76; 11000;occ; 112; 0;40539
 4; -1848.9; 01-DEC-2009 04:31:04; Bright; 52.5; 174; 52Psi UMa ; 3.00; 4400;occ; 105; 0;40539
 5; -1687.8; 01-DEC-2009 04:33:45; Bright; 52.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 104; 0;40539
 6; -1111.6; 01-DEC-2009 04:43:21; Bright; 59.5; 62; 94Bet Leo ; 2.14; 9700;occ; 119; 0;40539
 7; -914.3; 01-DEC-2009 04:46:39; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;40539
 8; -573.7; 01-DEC-2009 04:52:19; Dark ; 49.5; 100; 4Gam Crv ; 2.58; 13100;occ; 99; 0;40539
 9; -478.5; 01-DEC-2009 04:53:54; Dark ; 50.0; 171; 2Eps Crv ; 3.00; 4250;occ; 100; 0;40539
 10; 90.1; 01-DEC-2009 05:03:23; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;40540
 11; 409.3; 01-DEC-2009 05:08:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40540
 12; 607.8; 01-DEC-2009 05:12:01; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40540
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13; 209.6; 11-DEC-2009 06:31:35; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40684
 14; 454.3; 11-DEC-2009 06:35:40; Dark ; 48.0; 71; Iot Car ; 2.25; 7700;occ; 96; 0;40684
 15; 526.8; 11-DEC-2009 06:36:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40684
 16; 726.6; 11-DEC-2009 06:40:12; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40684
 17; 876.8; 11-DEC-2009 06:42:43; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;40684
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 3; 2040.8; 11-DEC-2009 07:02:07; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;40684
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 10; 4140.3; 11-DEC-2009 07:37:06; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;40684
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 13; 4927.7; 11-DEC-2009 07:50:13; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40684
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 22; 6563.6; 11-DEC-2009 08:17:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40684
 23; 6763.3; 11-DEC-2009 08:20:49; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40684
 24; 6913.2; 11-DEC-2009 08:23:19; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;40684
 25; 7064.0; 11-DEC-2009 08:25:50; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;40684
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 9; 3995.8; 11-DEC-2009 09:15:18; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40685
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 12; 4710.8; 11-DEC-2009 09:27:13; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40685
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 27; 7563.8; 11-DEC-2009 10:14:46; Dark ; 34.5; 47; 2Bet CMa ; 1.98; 28000;occ; 69; 0;40685

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6; 2355.8; 11-DEC-2009 10:28:33; Bright; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;40686
7; 2477.3; 11-DEC-2009 10:30:35; Bright; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;40686
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13; 4331.5; 11-DEC-2009 11:01:29; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;40686
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27; 7065.4; 11-DEC-2009 11:47:03; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40686
28; 7270.1; 11-DEC-2009 11:50:28; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;40686
29; 7563.9; 11-DEC-2009 11:55:22; Dark ; 34.5; 47; 2Bet CMa ; 1.98; 28000;occ; 69; 0;40686

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7; 2476.9; 11-DEC-2009 12:11:10; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40687
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11; 3995.2; 11-DEC-2009 12:36:29; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;40687
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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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19; 5702.6; 11-DEC-2009 13:04:56; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 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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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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19; 5703.8; 11-DEC-2009 14:45:33; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40688
20; 5939.1; 11-DEC-2009 14:49:29; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40688
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23; 6493.4; 11-DEC-2009 14:58:43; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40688
24; 6566.7; 11-DEC-2009 14:59:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40688
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27; 7066.6; 11-DEC-2009 15:08:16; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40688
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 8; 2589.9; 12-DEC-2009 15:02:38; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;40703
 9; 2697.5; 12-DEC-2009 15:04:26; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;40703
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 11; 3753.7; 12-DEC-2009 15:22:02; Bright; 49.5; 36; 50Alp UMa ; 1.80; 6300;occ; 99; 0;40703
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 13; 4139.9; 12-DEC-2009 15:28:28; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;40703
 14; 4333.4; 12-DEC-2009 15:31:42; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;40703
 15; 4716.0; 12-DEC-2009 15:38:04; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;40703
 16; 4938.4; 12-DEC-2009 15:41:47; Bright; 49.5; 138; 47Eps Vir ; 2.83; 4700;occ; 99; 0;40703
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 25; 6578.5; 12-DEC-2009 16:09:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40703
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 28; 7076.1; 12-DEC-2009 16:17:25; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40703
 29; 7278.4; 12-DEC-2009 16:20:47; Dark ; 41.0; 23; 21Eps CMA ; 1.50; 26000;occ; 82; 0;40703

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 15; 4333.6; 12-DEC-2009 17:12:18; Bright; 33.5; 180; 27Gam Boo ; 3.04; 8000;occ; 67; 0;40704
 16; 4716.6; 12-DEC-2009 17:18:41; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40704
 17; 4939.2; 12-DEC-2009 17:22:24; Bright; 49.5; 138; 47Eps Vir ; 2.83; 4700;occ; 99; 0;40704
 18; 5294.4; 12-DEC-2009 17:28:19; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40704
 19; 5503.5; 12-DEC-2009 17:31:48; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;40704

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 21; 5722.4; 12-DEC-2009 17:35:27; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;40704
 22; 5948.4; 12-DEC-2009 17:39:13; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40704
 23; 6042.9; 12-DEC-2009 17:40:47; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40704
 24; 6263.9; 12-DEC-2009 17:44:28; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;40704
 25; 6503.7; 12-DEC-2009 17:48:28; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40704
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 27; 6778.7; 12-DEC-2009 17:53:03; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40704
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 29; 7076.7; 12-DEC-2009 17:58:01; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40704

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 3; 1748.4; 12-DEC-2009 18:09:49; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;40705
 4; 1891.0; 12-DEC-2009 18:12:12; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40705
 5; 2035.7; 12-DEC-2009 18:14:36; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;40705
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 10; 2696.0; 12-DEC-2009 18:25:37; Bright; 47.0; 107; 37The Aur ; 2.65; 11000;occ; 94; 0;40705
 11; 2823.6; 12-DEC-2009 18:27:44; Bright; 45.5; 42; 34Bet Aur ; 1.90; 10200;occ; 91; 0;40705
 12; 3752.6; 12-DEC-2009 18:43:13; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;40705
 13; 3992.3; 12-DEC-2009 18:47:13; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40705
 14; 4139.7; 12-DEC-2009 18:49:40; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;40705
 15; 4333.6; 12-DEC-2009 18:52:54; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;40705
 16; 4716.5; 12-DEC-2009 18:59:17; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40705
 17; 4939.5; 12-DEC-2009 19:03:00; Bright; 55.0; 138; 47Eps Vir ; 2.83; 4700;occ; 110; 0;40705
 18; 5295.1; 12-DEC-2009 19:08:56; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40705
 19; 5504.1; 12-DEC-2009 19:12:25; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40705
 20; 5627.9; 12-DEC-2009 19:14:28; Dark ; 52.5; 100; 4Gam Crv ; 2.58; 13100;occ; 105; 0;40705
 21; 5723.8; 12-DEC-2009 19:16:04; Dark ; 55.0; 171; 2Eps Crv ; 3.00; 4250;occ; 110; 0;40705
 22; 5948.9; 12-DEC-2009 19:19:49; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40705
 23; 6043.6; 12-DEC-2009 19:21:24; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40705
 24; 6264.7; 12-DEC-2009 19:25:05; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40705
 25; 6504.3; 12-DEC-2009 19:29:05; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40705
 26; 6580.0; 12-DEC-2009 19:30:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40705
 27; 6779.3; 12-DEC-2009 19:33:40; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40705
 28; 6921.9; 12-DEC-2009 19:36:03; Dark ; 29.0; 2; Alp Car ; -0.74; 7000;occ; 58; 0;40705

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 3; 1243.2; 12-DEC-2009 19:42:00; Dark ; 57.0; 23; 21Eps CMa ; 1.50; 26000;occ; 114; 0;40706
 4; 1530.7; 12-DEC-2009 19:46:47; Dark ; 55.0; 47; 2Bet CMa ; 1.98; 28000;occ; 110; 0;40706
 5; 1748.3; 12-DEC-2009 19:50:25; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;40706
 6; 1890.9; 12-DEC-2009 19:52:47; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;40706
 7; 2035.6; 12-DEC-2009 19:55:12; Dark ; 48.0; 27; 24Gam Ori ; 1.64; 26000;occ; 96; 0;40706
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 9; 2345.5; 12-DEC-2009 20:00:22; Bright; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;40706
 10; 2467.6; 12-DEC-2009 20:02:24; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;40706
 11; 2589.7; 12-DEC-2009 20:04:26; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40706
 12; 2695.2; 12-DEC-2009 20:06:12; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;40706
 13; 2822.9; 12-DEC-2009 20:08:19; Bright; 46.5; 42; 34Bet Aur ; 1.90; 10200;occ; 93; 0;40706
 14; 3752.1; 12-DEC-2009 20:23:49; Bright; 48.5; 36; 50Alp UMa ; 1.80; 6300;occ; 97; 0;40706
 15; 3992.0; 12-DEC-2009 20:27:49; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40706
 16; 4139.9; 12-DEC-2009 20:30:16; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40706
 17; 4333.5; 12-DEC-2009 20:33:30; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40706
 18; 4716.6; 12-DEC-2009 20:39:53; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;40706
 19; 4940.2; 12-DEC-2009 20:43:37; Bright; 53.5; 138; 47Eps Vir ; 2.83; 4700;occ; 107; 0;40706

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 3; -407.0; 12-DEC-2009 20:55:05; Dark ; 54.0; 100; 4Gam Crv ; 2.58; 13100;occ; 108; 0;40706
 4; -311.0; 12-DEC-2009 20:56:42; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;40706
 5; -86.5; 12-DEC-2009 21:00:26; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40706
 6; 8.2; 12-DEC-2009 21:02:01; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40707
 7; 229.7; 12-DEC-2009 21:05:42; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40707
 8; 468.7; 12-DEC-2009 21:09:41; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;40707

9; 544.8; 12-DEC-2009 21:10:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40707
10; 744.0; 12-DEC-2009 21:14:16; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40707
11; 886.5; 12-DEC-2009 21:16:39; Dark ; 56.0; 2; Alp Car ;-0.74; 7000;occ; 112; 0;40707
12; 1041.6; 12-DEC-2009 21:19:14; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;40707
13; 1243.7; 12-DEC-2009 21:22:36; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;40707
14; 1530.8; 12-DEC-2009 21:27:23; Dark ; 54.0; 47; 2Bet CMA ; 1.98; 28000;occ; 108; 0;40707
15; 1748.4; 12-DEC-2009 21:31:01; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;40707
16; 1890.6; 12-DEC-2009 21:33:23; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40707
17; 2035.2; 12-DEC-2009 21:35:48; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;40707
18; 2194.4; 12-DEC-2009 21:38:27; Dark ; 47.0; 13; 87Alp Tau ; 0.87; 3800;occ; 94; 0;40707
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22; 2694.5; 12-DEC-2009 21:46:47; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;40707
23; 2822.1; 12-DEC-2009 21:48:55; Bright; 66.0; 42; 34Bet Aur ; 1.90; 10200;occ; 132; 0;40707
24; 3751.7; 12-DEC-2009 22:04:24; Bright; 48.0; 36; 50Alp UMa ; 1.80; 6300;occ; 96; 0;40707
25; 3991.9; 12-DEC-2009 22:08:24; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40707
26; 4139.7; 12-DEC-2009 22:10:52; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40707
27; 4333.8; 12-DEC-2009 22:14:06; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40707
28; 4716.9; 12-DEC-2009 22:20:29; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40707
29; 4940.7; 12-DEC-2009 22:24:13; Bright; 54.0; 138; 47Eps Vir ; 2.83; 4700;occ; 108; 0;40707
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4; -309.6; 12-DEC-2009 22:37:19; Dark ; 63.0; 171; 2Eps Crv ; 3.00; 4250;occ; 126; 0;40707
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9; 545.6; 12-DEC-2009 22:51:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40708
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25; 3991.3; 12-DEC-2009 23:49:00; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;40708
26; 4139.5; 12-DEC-2009 23:51:28; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;40708
27; 4334.0; 12-DEC-2009 23:54:42; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;40708
28; 4717.3; 13-DEC-2009 00:01:06; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;40708
29; 4941.2; 13-DEC-2009 00:04:50; Bright; 70.0; 138; 47Eps Vir ; 2.83; 4700;occ; 140; 0;40708
30; 5296.7; 13-DEC-2009 00:10:45; Dark ; 48.0; 15; 67Alp Vir ; 0.98; 28000;occ; 96; 0;40708

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 13; 4531.6; 16-DEC-2009 08:26:45; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;40756
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 16; 5330.3; 16-DEC-2009 08:40:04; Dark ; 48.5; 15; 67Alp Vir ; 0.98; 28000;occ; 97; 0;40756
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 28; 7251.6; 16-DEC-2009 09:12:05; Dark ; 26.0; 88; 31Eta CMa ; 2.45; 20000;occ; 52; 0;40756
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13; 4338.9; 16-DEC-2009 13:25:20; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;40759
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 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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 4; 2067.5; 17-DEC-2009 13:56:28; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40774
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 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
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 9; 2782.5; 17-DEC-2009 14:08:23; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40774
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 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
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 21; 6326.1; 17-DEC-2009 15:07:26; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40774

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 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
 4; 1883.1; 17-DEC-2009 15:33:59; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40775
 5; 2067.4; 17-DEC-2009 15:37:04; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;40775
 6; 2189.1; 17-DEC-2009 15:39:05; Dark ; 52.5; 13; 87Alp Tau ; 0.87; 3800;occ; 105; 0;40775
 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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 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
 16; 4738.2; 17-DEC-2009 16:21:34; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;40775
 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
 20; 5992.1; 17-DEC-2009 16:42:28; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40775
 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
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 5; 1882.9; 17-DEC-2009 17:14:35; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 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
 13; 3977.1; 17-DEC-2009 17:49:29; Bright; 56.0; 32; 77Eps UMa ; 1.76; 11000;occ; 112; 0;40776
 14; 4136.2; 17-DEC-2009 17:52:08; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;40776
 15; 4340.5; 17-DEC-2009 17:55:33; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40776
 16; 4535.5; 17-DEC-2009 17:58:48; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;40776
 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
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 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
 26; 6830.3; 17-DEC-2009 18:37:03; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40776
 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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6; 1883.0; 17-DEC-2009 18:55:11; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;40777
7; 2066.6; 17-DEC-2009 18:58:15; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;40777
8; 2189.1; 17-DEC-2009 19:00:17; Dark ; 44.5; 13; 87Alp Tau ; 0.87; 3800;occ; 89; 0;40777
9; 2315.1; 17-DEC-2009 19:02:23; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40777
10; 2438.6; 17-DEC-2009 19:04:27; Bright; 56.5; 28; 12Bet Tau ; 1.65; 15200;occ; 113; 0;40777
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12; 2780.9; 17-DEC-2009 19:10:09; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40777
13; 3704.1; 17-DEC-2009 19:25:32; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40777
14; 3977.1; 17-DEC-2009 19:30:05; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40777
15; 4136.1; 17-DEC-2009 19:32:44; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;40777
16; 4340.3; 17-DEC-2009 19:36:09; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;40777
17; 4535.6; 17-DEC-2009 19:39:24; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;40777
18; 4738.7; 17-DEC-2009 19:42:47; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;40777
19; 5346.1; 17-DEC-2009 19:52:54; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40777
20; 5556.6; 17-DEC-2009 19:56:25; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40777
21; 5715.4; 17-DEC-2009 19:59:04; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40777
22; 5993.2; 17-DEC-2009 20:03:41; Dark ; 50.5; 64; Gam Cen ; 2.20; 10600;occ; 101; 0;40777
23; 6092.8; 17-DEC-2009 20:05:21; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;40777
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26; 6634.2; 17-DEC-2009 20:14:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40777
27; 6831.0; 17-DEC-2009 20:17:39; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40777

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3; 59.1; 18-DEC-2009 01:07:11; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;40781
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6; 600.5; 18-DEC-2009 01:16:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40781
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13; 1751.1; 18-DEC-2009 01:35:23; Dark ; 48.0; 7; 19Bet Ori ; 0.10; 14000;occ; 96; 0;40781
14; 1882.5; 18-DEC-2009 01:37:34; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40781
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22; 3975.9; 18-DEC-2009 02:12:28; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40781
23; 4135.7; 18-DEC-2009 02:15:08; Bright; 16.5; 39; 85Eta UMa ; 1.85; 24000;occ; 33; 0;40781

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3; -1499.9; 18-DEC-2009 02:21:48; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;40781
4; -1296.1; 18-DEC-2009 02:25:12; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;40781
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27; 7313.3; 18-DEC-2009 09:50:29; Dark ; 54.0; 23; 21Eps CMa ; 1.50; 26000;occ; 108; 0;40785
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 27; 7418.8; 18-DEC-2009 11:32:50; Dark ; 53.5; 179; 240mi2CMA ; 3.03; 24000;occ; 107; 0;40786
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 11; 4135.3; 18-DEC-2009 12:18:43; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;40787
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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
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 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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 23; 4127.5; 24-DEC-2009 00:45:54; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40866
 24; 4347.4; 24-DEC-2009 00:49:34; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;40866
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13; 4767.3; 23-DEC-2009 08:10:34; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;40856
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26; 7439.0; 23-DEC-2009 10:35:42; Dark ; 48.5; 179; 240mi2CMA ; 3.03; 24000;occ; 97; 0;40857
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15; 4128.0; 23-DEC-2009 18:03:31; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;40862
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 19; 4770.0; 23-DEC-2009 19:54:49; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;40863
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 22; 5823.8; 23-DEC-2009 20:12:23; Dark ; 30.0; 106; 9Bet Crv ; 2.65; 5600;occ; 60; 0;40863
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 24; 6140.3; 23-DEC-2009 20:17:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40863
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9; 107.9; 24-DEC-2009 03:00:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40868
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25; 2709.1; 24-DEC-2009 03:43:27; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40868

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17;	4788.1;	26-DEC-2009	18:20:16;	Bright;		70.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	140;	0;	40905
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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
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23;	6177.5;	26-DEC-2009	18:43:25;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40905
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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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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
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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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17;	4559.5;	26-DEC-2009	19:57:03;	Bright;		39.0;	83;		;	2.38;	11000;	occ;	78;	0;	40906
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24;	6178.3;	26-DEC-2009	20:24:02;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40906
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 6; 1730.5; 31-DEC-2009 18:12:25; Dark ; 41.0; 56; 53Kap Ori ; 2.07; 30000;occ; 82; 0;40977
 7; 1881.1; 31-DEC-2009 18:14:56; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;40977
 8; 2033.1; 31-DEC-2009 18:17:28; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;40977
 9; 2230.6; 31-DEC-2009 18:20:46; Dark ; 54.0; 44; 24Gam Gem ; 1.93; 11000;occ; 108; 0;40977
10; 2328.6; 31-DEC-2009 18:22:24; Bright; 50.5; 151; 13Mu Gem ; 2.89; 3000;occ; 101; 0;40977
11; 2407.5; 31-DEC-2009 18:23:43; Bright; 47.0; 170; 27Eps Gem ; 3.00; 9700;occ; 94; 0;40977
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30; 7082.3; 31-DEC-2009 19:41:37; Dark ; 16.5; 70; Zet Pup ; 2.25; 39000;occ; 33; 0;40977

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