

GOMOS Daily Report 20-DEC-2010

Level 0 and Level 1 products

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

Item	Value
Time of report generation	23DEC2010 05:02:15
Data source version	GOMOS/5.01
Start time of products	20DEC2010 00:01:40
Stop time of products	20DEC2010 23:59:05
Store outputs in DB	Yes
Nb of level 1b prods	154
Nb of prods with errors	0

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

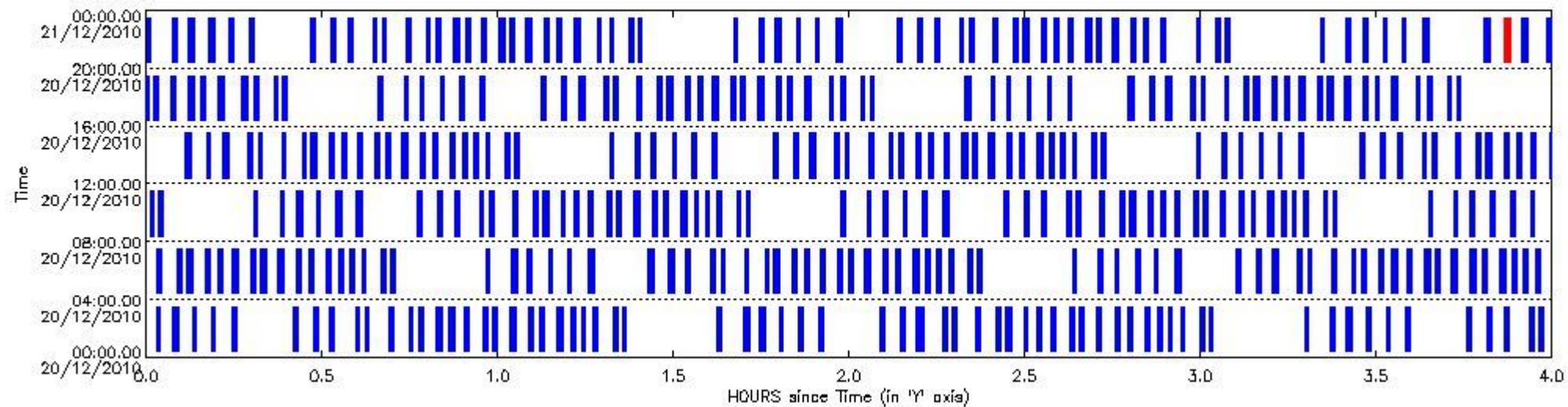
2.1 Level 0 products arrived in PCF (see template [here](#))

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
20-DEC-2010 23:51:53	46GamHya	169	46050

2.4 Summary of processed GOM_TRA_1P products

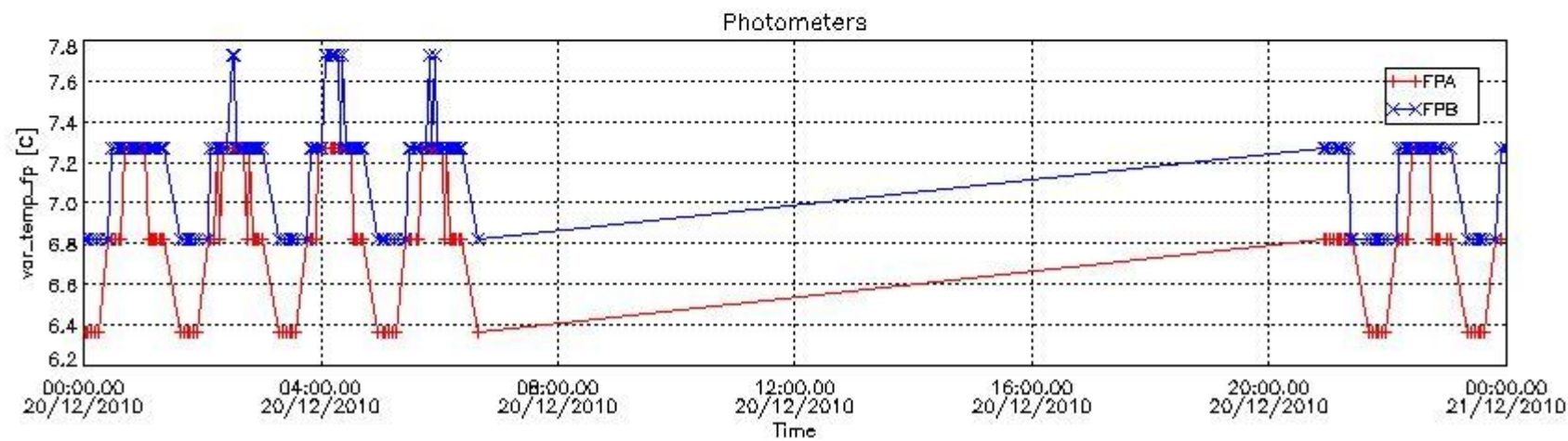
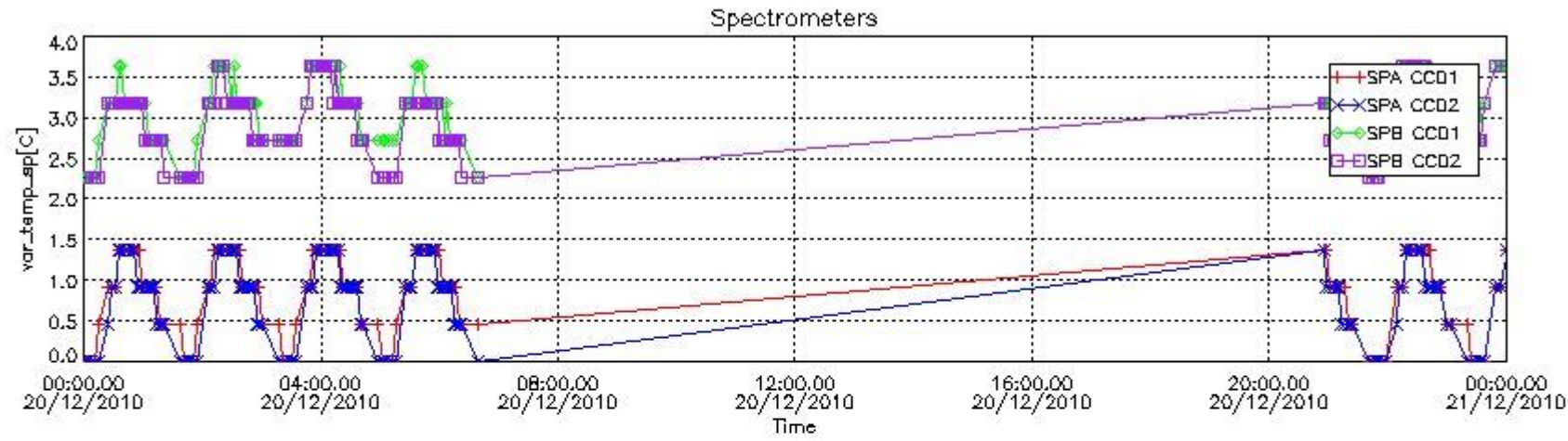
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101220_000140_000000433097_00332_46036_7863.N1	20-DEC-2010 00:01:40	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	46036	No
2	GOM_TRA_1PNPDE20101220_000424_000000603097_00332_46036_7864.N1	20-DEC-2010 00:04:24	Bright	60.000	39	85Eta UMa	1.8540	24000.	120	46036	No
3	GOM_TRA_1PNPDE20101220_000754_000000383097_00332_46036_7865.N1	20-DEC-2010 00:07:54	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	46036	No
4	GOM_TRA_1PNPDE20101220_001111_000000373097_00332_46036_7866.N1	20-DEC-2010 00:11:11	Bright	37.000	83		2.3780	11000.	74	46036	No
5	GOM_TRA_1PNPDE20101220_001438_000000453097_00332_46036_7867.N1	20-DEC-2010 00:14:38	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	46036	No
6	GOM_TRA_1PNPDE20101220_002458_000000533097_00332_46036_7865.N1	20-DEC-2010 00:24:58	Twilight_stray	53.000	15	67Alp Vir	0.97600	28000.	106	46036	No
7	GOM_TRA_1PNPDE20101220_002829_000000513097_00332_46036_7866.N1	20-DEC-2010 00:28:29	Dark	51.000	169	46Gam Hya	2.9910	4700.0	102	46036	No
8	GOM_TRA_1PNPDE20101220_003117_000000533097_00332_46036_7867.N1	20-DEC-2010 00:31:17	Dark	53.000	106	9Bet Crv	2.6480	5600.0	106	46036	No
9	GOM_TRA_1PNPDE20101220_003539_000000473097_00332_46036_7868.N1	20-DEC-2010 00:35:39	Dark	47.000	64	Gam Cen	2.2000	10600.	94	46036	No
10	GOM_TRA_1PNPDE20101220_003720_000000433097_00333_46037_7869.N1	20-DEC-2010 00:37:20	Dark	42.500	99	Del Cen	2.5750	26000.	85	46037	No

11	GOM_TRA_1PNPDE20101220_004120_000000463097_00333_46037_7870.N1	20-DEC-2010 00:41:20	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	46037	No
12	GOM_TRA_1PNPDE20101220_004451_000000423097_00333_46037_7871.N1	20-DEC-2010 00:44:51	Dark	42.000	71	lot Car	2.2460	7700.0	84	46037	No
13	GOM_TRA_1PNPDE20101220_004933_000000523097_00333_46037_7872.N1	20-DEC-2010 00:49:33	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	46037	No
14	GOM_TRA_1PNPDE20101220_005142_000000513097_00333_46037_7873.N1	20-DEC-2010 00:51:42	Dark	51.000	70	Zet Pup	2.2460	39000.	102	46037	No
15	GOM_TRA_1PNPDE20101220_005415_000000543097_00333_46037_7874.N1	20-DEC-2010 00:54:15	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	46037	No
16	GOM_TRA_1PNPDE20101220_005722_000000533097_00333_46037_7875.N1	20-DEC-2010 00:57:22	Straylight	53.000	23	21Eps CMa	1.5020	26000.	106	46037	No
17	GOM_TRA_1PNPDE20101220_005904_000000493097_00333_46037_7876.N1	20-DEC-2010 00:59:04	Straylight	49.000	179	24Omi2CMa	3.0320	24000.	98	46037	No
18	GOM_TRA_1PNPDE20101220_010155_000000653097_00333_46037_7877.N1	20-DEC-2010 01:01:55	Straylight	65.000	1	9Alp CMa	-1.4400	11000.	130	46037	No
19	GOM_TRA_1PNPDE20101220_010507_000000493097_00333_46037_7878.N1	20-DEC-2010 01:05:07	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	46037	No
20	GOM_TRA_1PNPDE20101220_010714_000000493097_00333_46037_7879.N1	20-DEC-2010 01:07:14	Straylight	49.000	30	46Eps Ori	1.6940	30000.	98	46037	No
21	GOM_TRA_1PNPDE20101220_011010_000000613097_00333_46037_7880.N1	20-DEC-2010 01:10:10	Tw_i_and_stray	60.500	14	58Alp Ori	0.87000	3000.0	121	46037	No
22	GOM_TRA_1PNPDE20101220_011221_000000493097_00333_46037_7881.N1	20-DEC-2010 01:12:21	Tw_i_and_stray	49.000	13	87Alp Tau	0.86700	3800.0	98	46037	No
23	GOM_TRA_1PNPDE20101220_011416_000000453097_00333_46037_7882.N1	20-DEC-2010 01:14:16	Bright	45.000	176	23Zet Tau	3.0200	22000.	90	46037	No
24	GOM_TRA_1PNPDE20101220_011620_000000433097_00333_46037_7883.N1	20-DEC-2010 01:16:20	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	46037	No
25	GOM_TRA_1PNPDE20101220_011942_000000433097_00333_46037_7884.N1	20-DEC-2010 01:19:42	Bright	42.500	107	37The Aur	2.6490	11000.	85	46037	No
26	GOM_TRA_1PNPDE20101220_012114_000000463097_00333_46037_7885.N1	20-DEC-2010 01:21:14	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	46037	No
27	GOM_TRA_1PNPDE20101220_013730_000000383097_00333_46037_7886.N1	20-DEC-2010 01:37:30	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46037	No
28	GOM_TRA_1PNPDE20101220_014154_000000643097_00333_46037_7887.N1	20-DEC-2010 01:41:54	Bright	64.000	32	77Eps UMa	1.7630	11000.	128	46037	No
29	GOM_TRA_1PNPDE20101220_014438_000000603097_00333_46037_7888.N1	20-DEC-2010 01:44:38	Bright	60.000	39	85Eta UMa	1.8540	24000.	120	46037	No
30	GOM_TRA_1PNPDE20101220_014808_000000403097_00333_46037_7889.N1	20-DEC-2010 01:48:08	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	46037	No
31	GOM_TRA_1PNPDE20101220_015125_000000413097_00333_46037_7890.N1	20-DEC-2010 01:51:25	Bright	41.000	83		2.3780	11000.	82	46037	No
32	GOM_TRA_1PNPDE20101220_015453_000000443097_00333_46037_7891.N1	20-DEC-2010 01:54:53	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	46037	No
33	GOM_TRA_1PNPDE20101220_020513_000000533097_00333_46037_7883.N1	20-DEC-2010 02:05:13	Tw_i_and_stray	52.500	15	67Alp Vir	0.97600	28000.	105	46037	No
34	GOM_TRA_1PNPDE20101220_020843_000000473097_00333_46037_7884.N1	20-DEC-2010 02:08:43	Dark	47.000	169	46Gam Hya	2.9910	4700.0	94	46037	No
35	GOM_TRA_1PNPDE20101220_021132_000000663097_00333_46037_7885.N1	20-DEC-2010 02:11:32	Dark	65.500	106	9Bet Crv	2.6480	5600.0	131	46037	No
36	GOM_TRA_1PNPDE20101220_021554_000000483097_00333_46037_7886.N1	20-DEC-2010 02:15:54	Dark	48.000	64	Gam Cen	2.2000	10600.	96	46037	No
37	GOM_TRA_1PNPDE20101220_021735_000000433097_00334_46038_7887.N1	20-DEC-2010 02:17:35	Dark	43.000	99	Del Cen	2.5750	26000.	86	46038	No
38	GOM_TRA_1PNPDE20101220_022135_000000473097_00334_46038_7888.N1	20-DEC-2010 02:21:35	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46038	No
39	GOM_TRA_1PNPDE20101220_022505_000000453097_00334_46038_7889.N1	20-DEC-2010 02:25:05	Dark	44.500	71	lot Car	2.2460	7700.0	89	46038	No
40	GOM_TRA_1PNPDE20101220_022948_000000473097_00334_46038_7890.N1	20-DEC-2010 02:29:48	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	46038	No
41	GOM_TRA_1PNPDE20101220_023157_000000503097_00334_46038_7891.N1	20-DEC-2010 02:31:57	Dark	49.500	70	Zet Pup	2.2460	39000.	99	46038	No
42	GOM_TRA_1PNPDE20101220_023429_000000513097_00334_46038_7892.N1	20-DEC-2010 02:34:29	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	46038	No
43	GOM_TRA_1PNPDE20101220_023736_000000533097_00334_46038_7893.N1	20-DEC-2010 02:37:36	Straylight	53.000	23	21Eps CMa	1.5020	26000.	106	46038	No
44	GOM_TRA_1PNPDE20101220_023918_000000523097_00334_46038_7894.N1	20-DEC-2010 02:39:18	Straylight	51.500	179	24Omi2CMa	3.0320	24000.	103	46038	No
45	GOM_TRA_1PNPDE20101220_024209_000000593097_00334_46038_7895.N1	20-DEC-2010 02:42:09	Straylight	59.000	1	9Alp CMa	-1.4400	11000.	118	46038	No
46	GOM_TRA_1PNPDE20101220_024521_000000513097_00334_46038_7896.N1	20-DEC-2010 02:45:21	Straylight	51.000	7	19Bet Ori	0.10000	14000.	102	46038	No
47	GOM_TRA_1PNPDE20101220_024728_000000483097_00334_46038_7897.N1	20-DEC-2010 02:47:28	Straylight	48.000	30	46Eps Ori	1.6940	30000.	96	46038	No
48	GOM_TRA_1PNPDE20101220_025024_000000573097_00334_46038_7898.N1	20-DEC-2010 02:50:24	Tw_i_and_stray	56.500	14	58Alp Ori	0.87000	3000.0	113	46038	No
49	GOM_TRA_1PNPDE20101220_025235_000000493097_00334_46038_7899.N1	20-DEC-2010 02:52:35	Tw_i_and_stray	49.000	13	87Alp Tau	0.86700	3800.0	98	46038	No
50	GOM_TRA_1PNPDE20101220_025430_000000443097_00334_46038_7900.N1	20-DEC-2010 02:54:30	Bright	43.500	176	23Zet Tau	3.0200	22000.	87	46038	No
51	GOM_TRA_1PNPDE20101220_025633_000000433097_00334_46038_7901.N1	20-DEC-2010 02:56:33	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	46038	No
52	GOM_TRA_1PNPDE20101220_025956_000000423097_00334_46038_7902.N1	20-DEC-2010 02:59:56	Bright	42.000	107	37The Aur	2.6490	11000.	84	46038	No
53	GOM_TRA_1PNPDE20101220_030127_000000433097_00334_46038_7903.N1	20-DEC-2010 03:01:27	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	46038	No
54	GOM_TRA_1PNPDE20101220_031744_000000393097_00334_46038_7915.N1	20-DEC-2010 03:17:44	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46038	No
55	GOM_TRA_1PNPDE20101220_032208_000000453097_00334_46038_7916.N1	20-DEC-2010 03:22:08	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	46038	No
56	GOM_TRA_1PNPDE20101220_032452_000000603097_00334_46038_7917.N1	20-DEC-2010 03:24:52	Bright	60.000	39	85Eta UMa	1.8540	24000.	120	46038	No
57	GOM_TRA_1PNPDE20101220_032822_000000393097_00334_46038_7918.N1	20-DEC-2010 03:28:22	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	46038	No
58	GOM_TRA_1PNPDE20101220_033139_000000393097_00334_46038_7919.N1	20-DEC-2010 03:31:39	Bright	38.500	83		2.3780	11000.	77	46038	No
59	GOM_TRA_1PNPDE20101220_033507_000000453097_00334_46038_7920.N1	20-DEC-2010 03:35:07	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	46038	No
60	GOM_TRA_1PNPDE20101220_034528_000000513097_00334_46038_7921.N1	20-DEC-2010 03:45:28	Tw_i_and_stray	51.000	15	67Alp Vir	0.97600	28000.	102	46038	No
61	GOM_TRA_1PNPDE20101220_034858_000000503097_00334_46038_7922.N1	20-DEC-2010 03:48:58	Dark	50.000	169	46Gam Hya	2.9910	4700.0	100	46038	No
62	GOM_TRA_1PNPDE20101220_035148_000000553097_00334_46038_7923.N1	20-DEC-2010 03:51:48	Dark	54.500	106	9Bet Crv	2.6480	5600.0	109	46038	No
63	GOM_TRA_1PNPDE20101220_035609_000000423097_00334_46038_7924.N1	20-DEC-2010 03:56:09	Dark	42.000	64	Gam Cen	2.2000	10600.	84	46038	No
64	GOM_TRA_1PNPDE20101220_035750_000000423097_00335_46039_7925.N1	20-DEC-2010 03:57:50	Dark	41.500	99	Del Cen	2.5750	26000.	83	46039	No
65	GOM_TRA_1PNPDE20101220_040150_000000473097_00335_46039_7926.N1	20-DEC-2010 04:01:50	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46039	No
66	GOM_TRA_1PNPDE20101220_040520_000000433097_00335_46039_7927.N1	20-DEC-2010 04:05:20	Dark	42.500	71	lot Car	2.2460	7700.0	85	46039	No
67	GOM_TRA_1PNPDE20101220_041003_000000453097_00335_46039_7928.N1	20-DEC-2010 04:10:03	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46039	No
68	GOM_TRA_1PNPDE20101220_041212_000000553097_00335_46039_7929.N1	20-DEC-2010 04:12:12	Dark	55.000	70	Zet Pup	2.2460	39000.	110	46039	No
69	GOM_TRA_1PNPDE20101220_041444_000000543097_00335_46039_7930.N1	20-DEC-2010 04:14:44	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	46039	No

70	GOM_TRA_1PNPDE20101220_041751_000000503097_00335_46039_7931.N1	20-DEC-2010 04:17:51	Straylight	49.500	23	21Eps CMa	1.5020	26000.	99	46039	No
71	GOM_TRA_1PNPDE20101220_041933_000000523097_00335_46039_7932.N1	20-DEC-2010 04:19:33	Straylight	51.500	179	24Omi2CMa	3.0320	24000.	103	46039	No
72	GOM_TRA_1PNPDE20101220_042224_000000593097_00335_46039_7933.N1	20-DEC-2010 04:22:24	Straylight	59.000	1	9Alp CMa	-1.4400	11000.	118	46039	No
73	GOM_TRA_1PNPDE20101220_042536_000000513097_00335_46039_7934.N1	20-DEC-2010 04:25:36	Straylight	50.500	7	19Bet Ori	0.10000	14000.	101	46039	No
74	GOM_TRA_1PNPDE20101220_042742_000000463097_00335_46039_7935.N1	20-DEC-2010 04:27:42	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	46039	No
75	GOM_TRA_1PNPDE20101220_043038_000000593097_00335_46039_7936.N1	20-DEC-2010 04:30:38	Tw_i_and_stray	58.500	14	58Alp Ori	0.87000	3000.0	117	46039	No
76	GOM_TRA_1PNPDE20101220_043249_000000473097_00335_46039_7937.N1	20-DEC-2010 04:32:49	Tw_i_and_stray	47.000	13	87Alp Tau	0.86700	3800.0	94	46039	No
77	GOM_TRA_1PNPDE20101220_043444_000000433097_00335_46039_7938.N1	20-DEC-2010 04:34:44	Bright	42.500	176	23Zet Tau	3.0200	22000.	85	46039	No
78	GOM_TRA_1PNPDE20101220_043647_000000433097_00335_46039_7939.N1	20-DEC-2010 04:36:47	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	46039	No
79	GOM_TRA_1PNPDE20101220_044009_000000423097_00335_46039_7940.N1	20-DEC-2010 04:40:09	Bright	42.000	107	37The Aur	2.6490	11000.	84	46039	No
80	GOM_TRA_1PNPDE20101220_044141_000000413097_00335_46039_7941.N1	20-DEC-2010 04:41:41	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	46039	No
81	GOM_TRA_1PNPDE20101220_045758_000000393097_00335_46039_7942.N1	20-DEC-2010 04:57:58	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46039	No
82	GOM_TRA_1PNPDE20101220_050222_000000593097_00335_46039_7943.N1	20-DEC-2010 05:02:22	Bright	59.000	32	77Eps UMa	1.7630	11000.	118	46039	No
83	GOM_TRA_1PNPDE20101220_050506_000000423097_00335_46039_7944.N1	20-DEC-2010 05:05:06	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	46039	No
84	GOM_TRA_1PNPDE20101220_050836_000000493097_00335_46039_7945.N1	20-DEC-2010 05:08:36	Bright	48.500	180	27Gam Boo	3.0400	8000.0	97	46039	No
85	GOM_TRA_1PNPDE20101220_051154_000000383097_00335_46039_7946.N1	20-DEC-2010 05:11:54	Bright	38.000	83		2.3780	11000.	76	46039	No
86	GOM_TRA_1PNPDE20101220_051521_000000643097_00335_46039_7947.N1	20-DEC-2010 05:15:21	Bright	64.000	111	8Eta Boo	2.6800	6000.0	128	46039	No
87	GOM_TRA_1PNPDE20101220_052543_000000563097_00335_46039_7948.N1	20-DEC-2010 05:25:43	Tw_i_and_stray	55.500	15	67Alp Vir	0.97600	28000.	111	46039	No
88	GOM_TRA_1PNPDE20101220_052913_000000503097_00335_46039_7949.N1	20-DEC-2010 05:29:13	Dark	50.000	169	46Gam Hya	2.9910	4700.0	100	46039	No
89	GOM_TRA_1PNPDE20101220_053203_000000533097_00335_46039_7950.N1	20-DEC-2010 05:32:03	Dark	53.000	106	9Bet Crv	2.6480	5600.0	106	46039	No
90	GOM_TRA_1PNPDE20101220_053624_000000453097_00335_46039_7951.N1	20-DEC-2010 05:36:24	Dark	45.000	64	Gam Cen	2.2000	10600.	90	46039	No
91	GOM_TRA_1PNPDE20101220_053805_000000423097_00336_46040_7952.N1	20-DEC-2010 05:38:05	Dark	41.500	99	Del Cen	2.5750	26000.	83	46040	No
92	GOM_TRA_1PNPDE20101220_054205_000000473097_00336_46040_7953.N1	20-DEC-2010 05:42:05	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46040	No
93	GOM_TRA_1PNPDE20101220_054535_000000433097_00336_46040_7954.N1	20-DEC-2010 05:45:35	Dark	43.000	71	lot Car	2.2460	7700.0	86	46040	No
94	GOM_TRA_1PNPDE20101220_055018_000000503097_00336_46040_7955.N1	20-DEC-2010 05:50:18	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	46040	No
95	GOM_TRA_1PNPDE20101220_055227_000000503097_00336_46040_7956.N1	20-DEC-2010 05:52:27	Dark	49.500	70	Zet Pup	2.2460	39000.	99	46040	No
96	GOM_TRA_1PNPDE20101220_055459_000000533097_00336_46040_7957.N1	20-DEC-2010 05:54:59	Dark	53.000	117	Pi Pup	2.7060	3800.0	106	46040	No
97	GOM_TRA_1PNPDE20101220_055805_000000533097_00336_46040_7958.N1	20-DEC-2010 05:58:05	Straylight	52.500	23	21Eps CMa	1.5020	26000.	105	46040	No
98	GOM_TRA_1PNPDE20101220_055947_000000523097_00336_46040_7959.N1	20-DEC-2010 05:59:47	Straylight	52.000	179	24Omi2CMa	3.0320	24000.	104	46040	No
99	GOM_TRA_1PNPDE20101220_060238_000000603097_00336_46040_7960.N1	20-DEC-2010 06:02:38	Straylight	59.500	1	9Alp CMa	-1.4400	11000.	119	46040	No
100	GOM_TRA_1PNPDE20101220_060550_000000543097_00336_46040_7961.N1	20-DEC-2010 06:05:50	Straylight	53.500	7	19Bet Ori	0.10000	14000.	107	46040	No
101	GOM_TRA_1PNPDE20101220_060756_000000453097_00336_46040_7962.N1	20-DEC-2010 06:07:56	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	46040	No
102	GOM_TRA_1PNPDE20101220_061052_000000593097_00336_46040_7963.N1	20-DEC-2010 06:10:52	Tw_i_and_stray	59.000	14	58Alp Ori	0.87000	3000.0	118	46040	No
103	GOM_TRA_1PNPDE20101220_061304_000000493097_00336_46040_7964.N1	20-DEC-2010 06:13:04	Tw_i_and_stray	48.500	13	87Alp Tau	0.86700	3800.0	97	46040	No
104	GOM_TRA_1PNPDE20101220_061457_000000423097_00336_46040_7965.N1	20-DEC-2010 06:14:57	Bright	42.000	176	23Zet Tau	3.0200	22000.	84	46040	No
105	GOM_TRA_1PNPDE20101220_061701_000000423097_00336_46040_7966.N1	20-DEC-2010 06:17:01	Bright	42.000	28	12Bet Tau	1.6500	15200.	84	46040	No
106	GOM_TRA_1PNPDE20101220_062023_000000433097_00336_46040_7967.N1	20-DEC-2010 06:20:23	Bright	42.500	107	37The Aur	2.6490	11000.	85	46040	No
107	GOM_TRA_1PNPDE20101220_062155_000000453097_00336_46040_7968.N1	20-DEC-2010 06:21:55	Bright	45.000	6	13Alp Aur	0.080000	3400.0	90	46040	No
108	GOM_TRA_1PNPDE20101220_063812_000000343097_00336_46040_7969.N1	20-DEC-2010 06:38:12	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	46040	No
109	GOM_TRA_1PNPDE20101220_205439_000000493097_00345_46049_8053.N1	20-DEC-2010 20:54:39	Dark	49.000	70	Zet Pup	2.2460	39000.	98	46049	No
110	GOM_TRA_1PNPDE20101220_205709_000000523097_00345_46049_8054.N1	20-DEC-2010 20:57:09	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	46049	No
111	GOM_TRA_1PNPDE20101220_210015_000000543097_00345_46049_8055.N1	20-DEC-2010 21:00:15	Straylight	53.500	23	21Eps CMa	1.5020	26000.	107	46049	No
112	GOM_TRA_1PNPDE20101220_210156_000000513097_00345_46049_8056.N1	20-DEC-2010 21:01:56	Straylight	50.500	179	24Omi2CMa	3.0320	24000.	101	46049	No
113	GOM_TRA_1PNPDE20101220_210445_000000613097_00345_46049_8057.N1	20-DEC-2010 21:04:45	Straylight	61.000	1	9Alp CMa	-1.4400	11000.	122	46049	No
114	GOM_TRA_1PNPDE20101220_210757_000000523097_00345_46049_8058.N1	20-DEC-2010 21:07:57	Straylight	51.500	7	19Bet Ori	0.10000	14000.	103	46049	No
115	GOM_TRA_1PNPDE20101220_211002_000000483097_00345_46049_8059.N1	20-DEC-2010 21:10:02	Straylight	47.500	30	46Eps Ori	1.6940	30000.	95	46049	No
116	GOM_TRA_1PNPDE20101220_211256_000000633097_00345_46049_8060.N1	20-DEC-2010 21:12:56	Tw_i_and_stray	63.000	14	58Alp Ori	0.87000	3000.0	126	46049	No
117	GOM_TRA_1PNPDE20101220_211701_000000423097_00345_46049_8061.N1	20-DEC-2010 21:17:01	Bright	41.500	176	23Zet Tau	3.0200	22000.	83	46049	No
118	GOM_TRA_1PNPDE20101220_211905_000000423097_00345_46049_8062.N1	20-DEC-2010 21:19:05	Bright	42.000	28	12Bet Tau	1.6500	15200.	84	46049	No
119	GOM_TRA_1PNPDE20101220_212225_000000433097_00345_46049_8063.N1	20-DEC-2010 21:22:25	Bright	43.000	107	37The Aur	2.6490	11000.	86	46049	No
120	GOM_TRA_1PNPDE20101220_212359_000000423097_00345_46049_8064.N1	20-DEC-2010 21:23:59	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	46049	No
121	GOM_TRA_1PNPDE20101220_214018_000000393097_00345_46049_8065.N1	20-DEC-2010 21:40:18	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46049	No
122	GOM_TRA_1PNPDE20101220_214439_000000463097_00345_46049_8066.N1	20-DEC-2010 21:44:39	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	46049	No
123	GOM_TRA_1PNPDE20101220_214726_000000603097_00345_46049_8067.N1	20-DEC-2010 21:47:26	Bright	60.000	39	85Eta UMa	1.8540	24000.	120	46049	No
124	GOM_TRA_1PNPDE20101220_215057_000000383097_00345_46049_8068.N1	20-DEC-2010 21:50:57	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	46049	No
125	GOM_TRA_1PNPDE20101220_215416_000000403097_00345_46049_8069.N1	20-DEC-2010 21:54:16	Bright	39.500	83		2.3780	11000.	79	46049	No
126	GOM_TRA_1PNPDE20101220_215745_000000643097_00345_46049_8070.N1	20-DEC-2010 21:57:45	Bright	63.500	111	8Eta Boo	2.6800	6000.0	127	46049	No
127	GOM_TRA_1PNPDE20101220_220812_000000553097_00345_46049_8073.N1	20-DEC-2010 22:08:12	Tw_i_and_stray	55.000	15	67Alp Vir	0.97600	28000.	110	46049	No
128	GOM_TRA_1PNPDE20101220_221142_000000533097_00345_46049_8074.N1	20-DEC-2010 22:11:42	Dark	52.500	169	46Gam Hya	2.9910	4700.0	105	46049	No

129	GOM_TRA_1PNPDE20101220_221436_000000563097_00345_46049_8075.N1	20-DEC-2010 22:14:36	Dark	55.500	106	9Bet Crv	2.6480	5600.0	111	46049	No
130	GOM_TRA_1PNPDE20101220_221850_000000423097_00345_46049_8076.N1	20-DEC-2010 22:18:50	Dark	42.000	64	Gam Cen	2.2000	10600.	84	46049	No
131	GOM_TRA_1PNPDE20101220_222032_000000423097_00346_46050_8077.N1	20-DEC-2010 22:20:32	Dark	41.500	99	Del Cen	2.5750	26000.	83	46050	No
132	GOM_TRA_1PNPDE20101220_222435_000000463097_00346_46050_8078.N1	20-DEC-2010 22:24:35	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	46050	No
133	GOM_TRA_1PNPDE20101220_222801_000000443097_00346_46050_8079.N1	20-DEC-2010 22:28:01	Dark	43.500	71	lot Car	2.2460	7700.0	87	46050	No
134	GOM_TRA_1PNPDE20101220_223245_000000493097_00346_46050_8080.N1	20-DEC-2010 22:32:45	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	46050	No
135	GOM_TRA_1PNPDE20101220_223454_000000533097_00346_46050_8081.N1	20-DEC-2010 22:34:54	Dark	53.000	70	Zet Pup	2.2460	39000.	106	46050	No
136	GOM_TRA_1PNPDE20101220_223724_000000483097_00346_46050_8082.N1	20-DEC-2010 22:37:24	Dark	48.000	117	Pi Pup	2.7060	3800.0	96	46050	No
137	GOM_TRA_1PNPDE20101220_224029_000000523097_00346_46050_8083.N1	20-DEC-2010 22:40:29	Straylight	52.000	23	21Eps CMa	1.5020	26000.	104	46050	No
138	GOM_TRA_1PNPDE20101220_224210_000000513097_00346_46050_8084.N1	20-DEC-2010 22:42:10	Straylight	50.500	179	24Omi2CMa	3.0320	24000.	101	46050	No
139	GOM_TRA_1PNPDE20101220_224459_000000613097_00346_46050_8085.N1	20-DEC-2010 22:44:59	Straylight	60.500	1	9Alp CMa	-1.4400	11000.	121	46050	No
140	GOM_TRA_1PNPDE20101220_224811_000000483097_00346_46050_8086.N1	20-DEC-2010 22:48:11	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	46050	No
141	GOM_TRA_1PNPDE20101220_225016_000000463097_00346_46050_8087.N1	20-DEC-2010 22:50:16	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	46050	No
142	GOM_TRA_1PNPDE20101220_225310_000000593097_00346_46050_8088.N1	20-DEC-2010 22:53:10	Twilight_stray	59.000	14	58Alp Ori	0.87000	3000.0	118	46050	No
143	GOM_TRA_1PNPDE20101220_225919_000000423097_00346_46050_8089.N1	20-DEC-2010 22:59:19	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	46050	No
144	GOM_TRA_1PNPDE20101220_230238_000000423097_00346_46050_8090.N1	20-DEC-2010 23:02:38	Bright	41.500	107	37The Aur	2.6490	11000.	83	46050	No
145	GOM_TRA_1PNPDE20101220_230413_000000443097_00346_46050_8091.N1	20-DEC-2010 23:04:13	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	46050	No
146	GOM_TRA_1PNPDE20101220_232032_000000383097_00346_46050_8092.N1	20-DEC-2010 23:20:32	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	46050	No
147	GOM_TRA_1PNPDE20101220_232453_000000443097_00346_46050_8093.N1	20-DEC-2010 23:24:53	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	46050	No
148	GOM_TRA_1PNPDE20101220_232740_000000603097_00346_46050_8094.N1	20-DEC-2010 23:27:40	Bright	60.000	39	85Eta UMa	1.8540	24000.	120	46050	No
149	GOM_TRA_1PNPDE20101220_233111_000000373097_00346_46050_8095.N1	20-DEC-2010 23:31:11	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	46050	No
150	GOM_TRA_1PNPDE20101220_233430_000000383097_00346_46050_8096.N1	20-DEC-2010 23:34:30	Bright	38.000	83		2.3780	11000.	76	46050	No
151	GOM_TRA_1PNPDE20101220_233800_000000643097_00346_46050_8097.N1	20-DEC-2010 23:38:00	Bright	63.500	111	8Eta Boo	2.6800	6000.0	127	46050	No
152	GOM_TRA_1PNPDE20101220_234827_000000543097_00346_46050_8106.N1	20-DEC-2010 23:48:27	Twilight_stray	54.000	15	67Alp Vir	0.97600	28000.	108	46050	No
153	GOM_TRA_1PNPDE20101220_235451_000000573097_00346_46050_8107.N1	20-DEC-2010 23:54:51	Dark	57.000	106	9Bet Crv	2.6480	5600.0	114	46050	No
154	GOM_TRA_1PNPDE20101220_235905_000000433097_00346_46050_8108.N1	20-DEC-2010 23:59:05	Dark	43.000	64	Gam Cen	2.2000	10600.	86	46050	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).

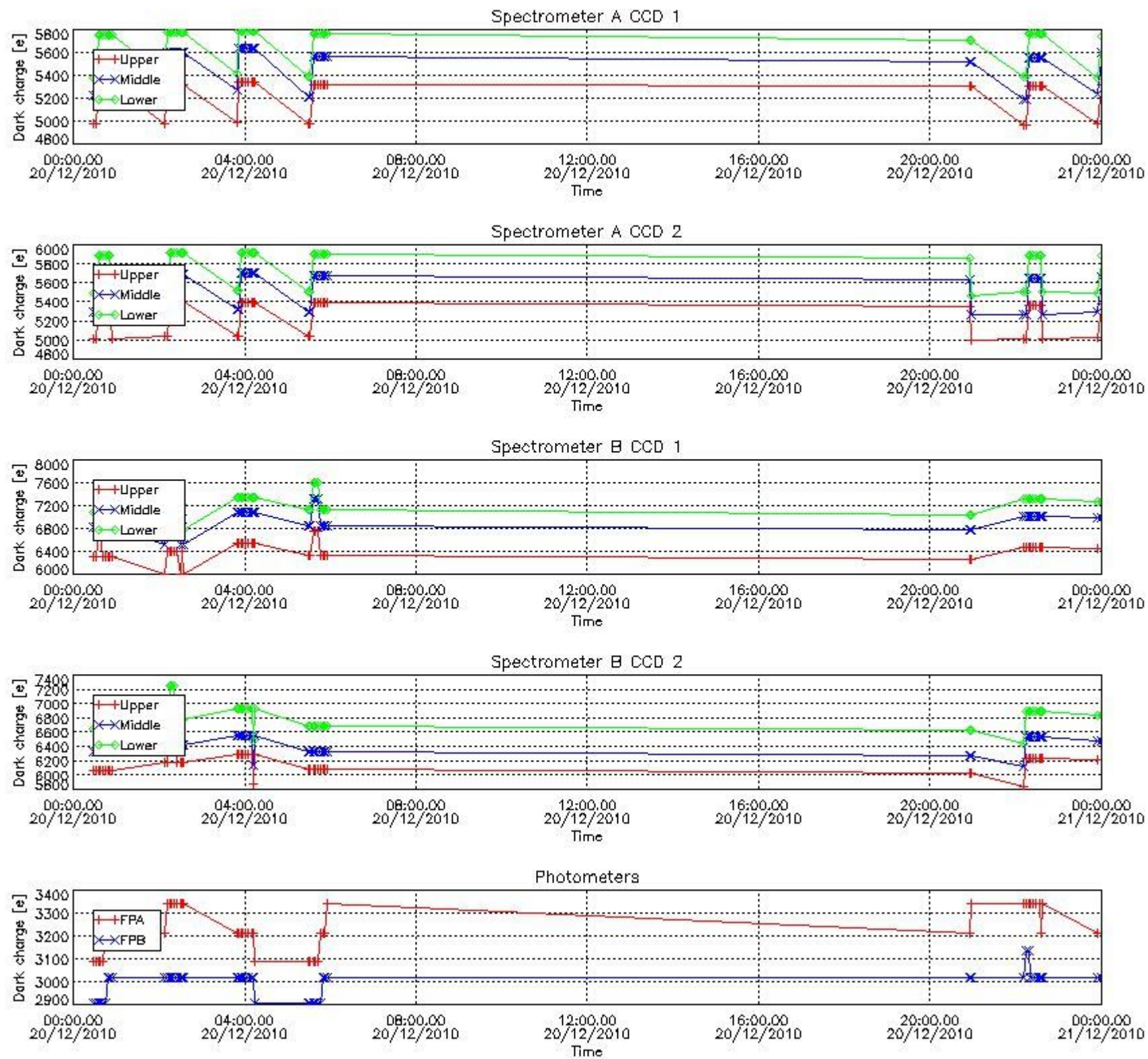
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20101220_205439_000000493097_00345_46049_8053.N1	DC map used
GOM_TRA_1PNPDE20101220_205709_000000523097_00345_46049_8054.N1	DC map used
GOM_TRA_1PNPDE20101220_210015_000000543097_00345_46049_8055.N1	DC map used
GOM_TRA_1PNPDE20101220_210156_000000513097_00345_46049_8056.N1	DC map used
GOM_TRA_1PNPDE20101220_210445_000000613097_00345_46049_8057.N1	DC map used
GOM_TRA_1PNPDE20101220_210757_000000523097_00345_46049_8058.N1	DC map used
GOM_TRA_1PNPDE20101220_211002_000000483097_00345_46049_8059.N1	DC map used
GOM_TRA_1PNPDE20101220_211256_000000633097_00345_46049_8060.N1	DC map used
GOM_TRA_1PNPDE20101220_211701_000000423097_00345_46049_8061.N1	DC map used
GOM_TRA_1PNPDE20101220_211905_000000423097_00345_46049_8062.N1	DC map used
GOM_TRA_1PNPDE20101220_212225_000000433097_00345_46049_8063.N1	DC map used
GOM_TRA_1PNPDE20101220_212359_000000423097_00345_46049_8064.N1	DC map used
GOM_TRA_1PNPDE20101220_214018_000000393097_00345_46049_8065.N1	DC map used
GOM_TRA_1PNPDE20101220_214439_000000463097_00345_46049_8066.N1	DC map used

GOM_TRA_1PNPDE20101220_214726_000000603097_00345_46049_8067.N1	DC map used
GOM_TRA_1PNPDE20101220_215057_000000383097_00345_46049_8068.N1	DC map used
GOM_TRA_1PNPDE20101220_215416_000000403097_00345_46049_8069.N1	DC map used
GOM_TRA_1PNPDE20101220_215745_000000643097_00345_46049_8070.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

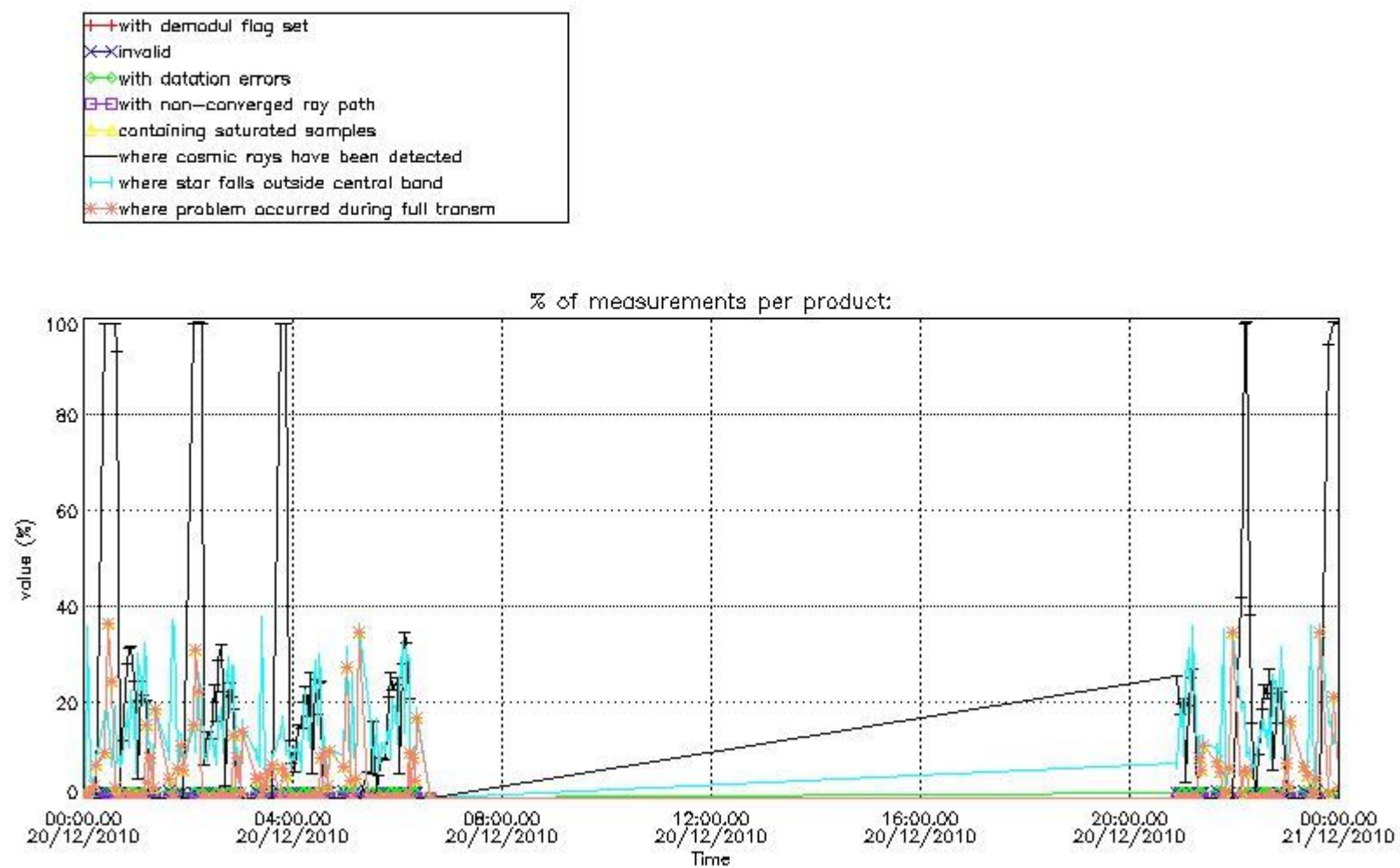
In this section it is presented the modulation information extracted from the pcd (product confidence data)

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.

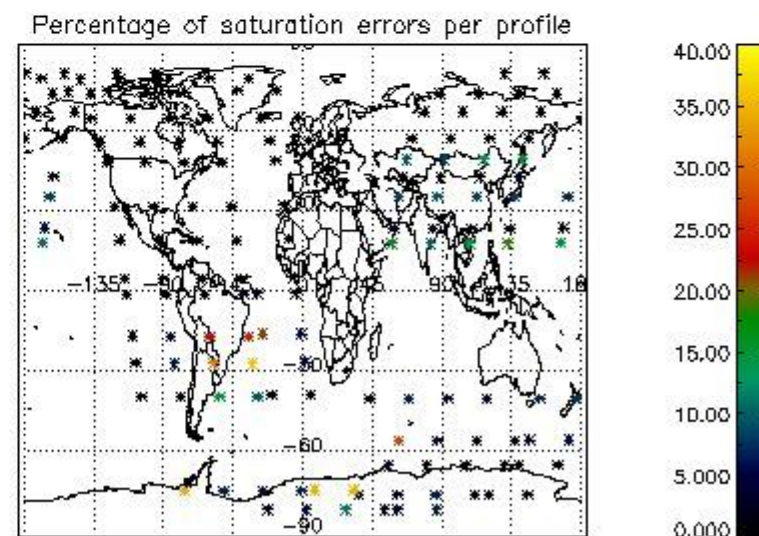
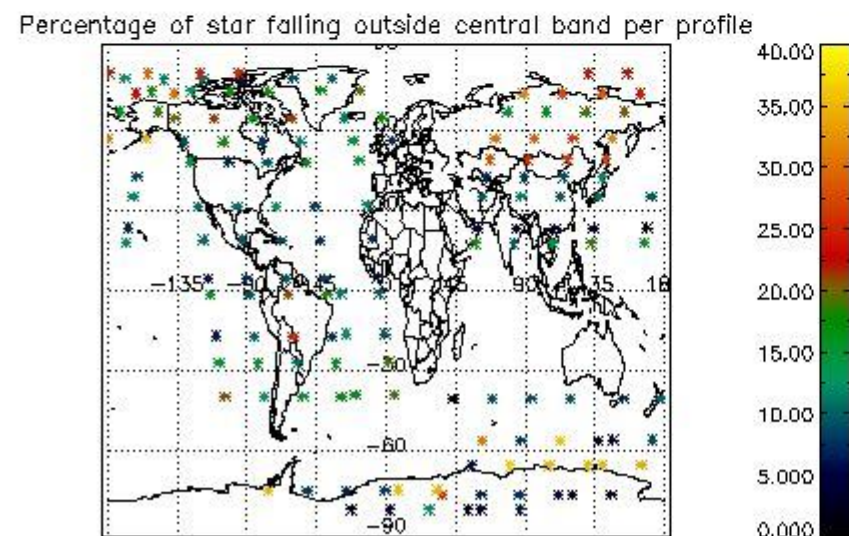
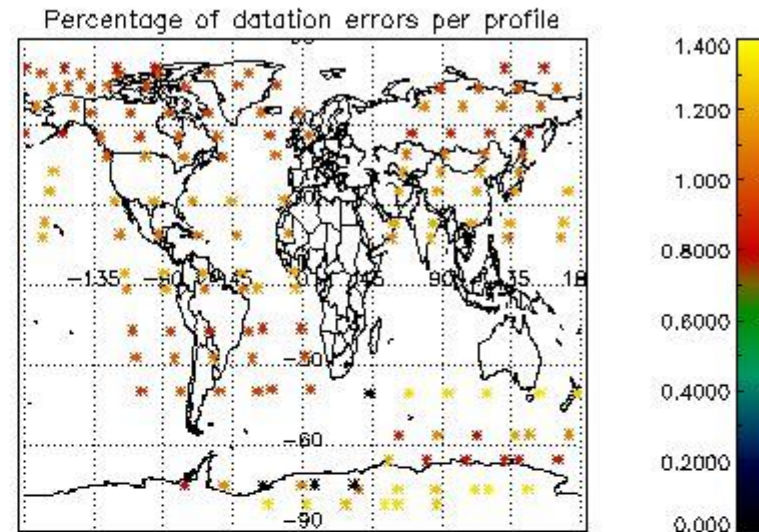
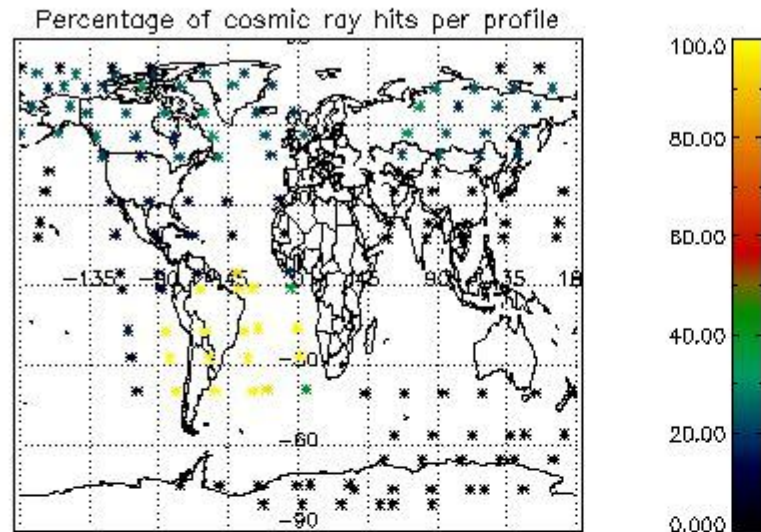
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	59.0909 %
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)



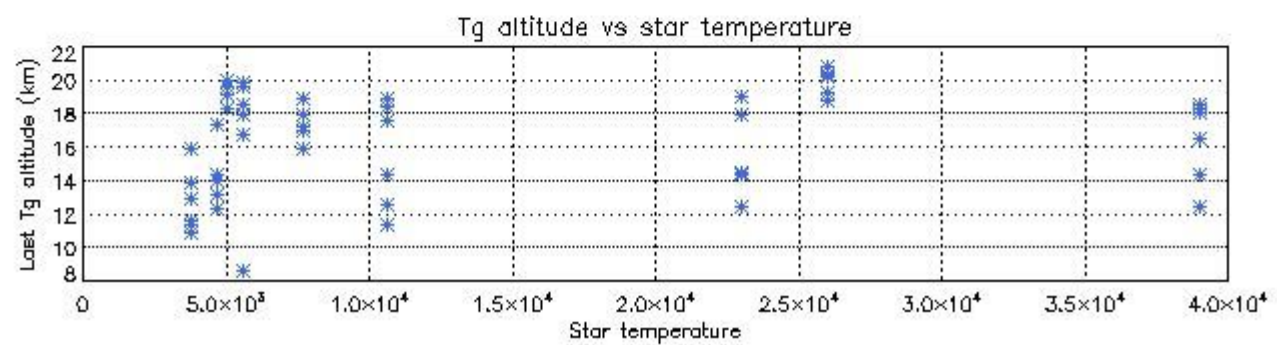
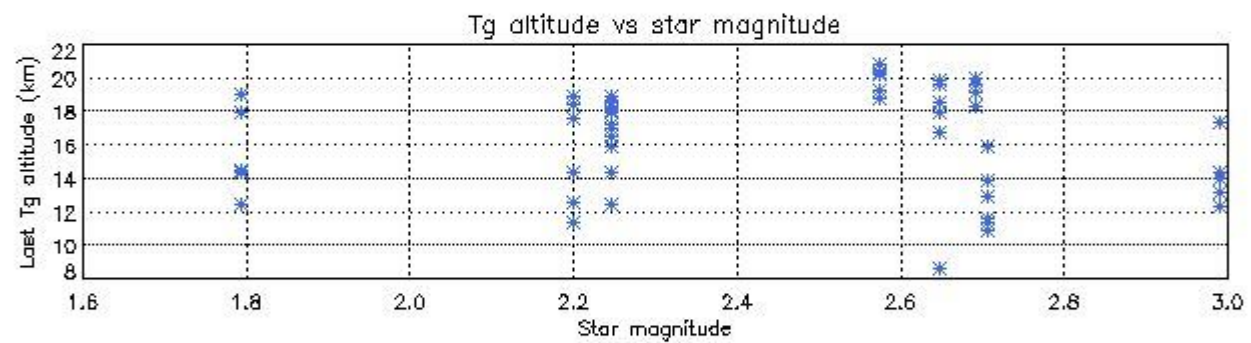
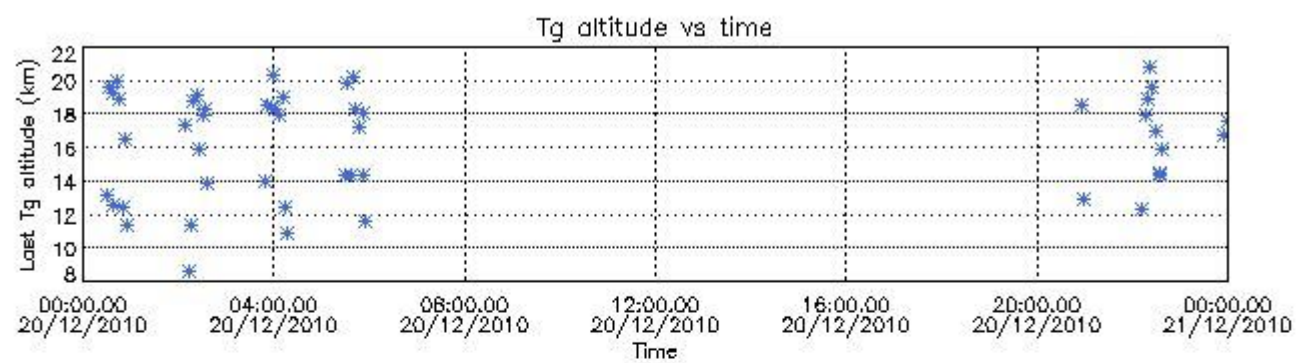
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.327	16.798	NaN
St. deviation:	3.0837	6.5708	NaN
Maximum:	20.797	28.973	NaN
Minimum:	8.5884	3.3196	NaN
Number of data:	49.000	59.000	NaN

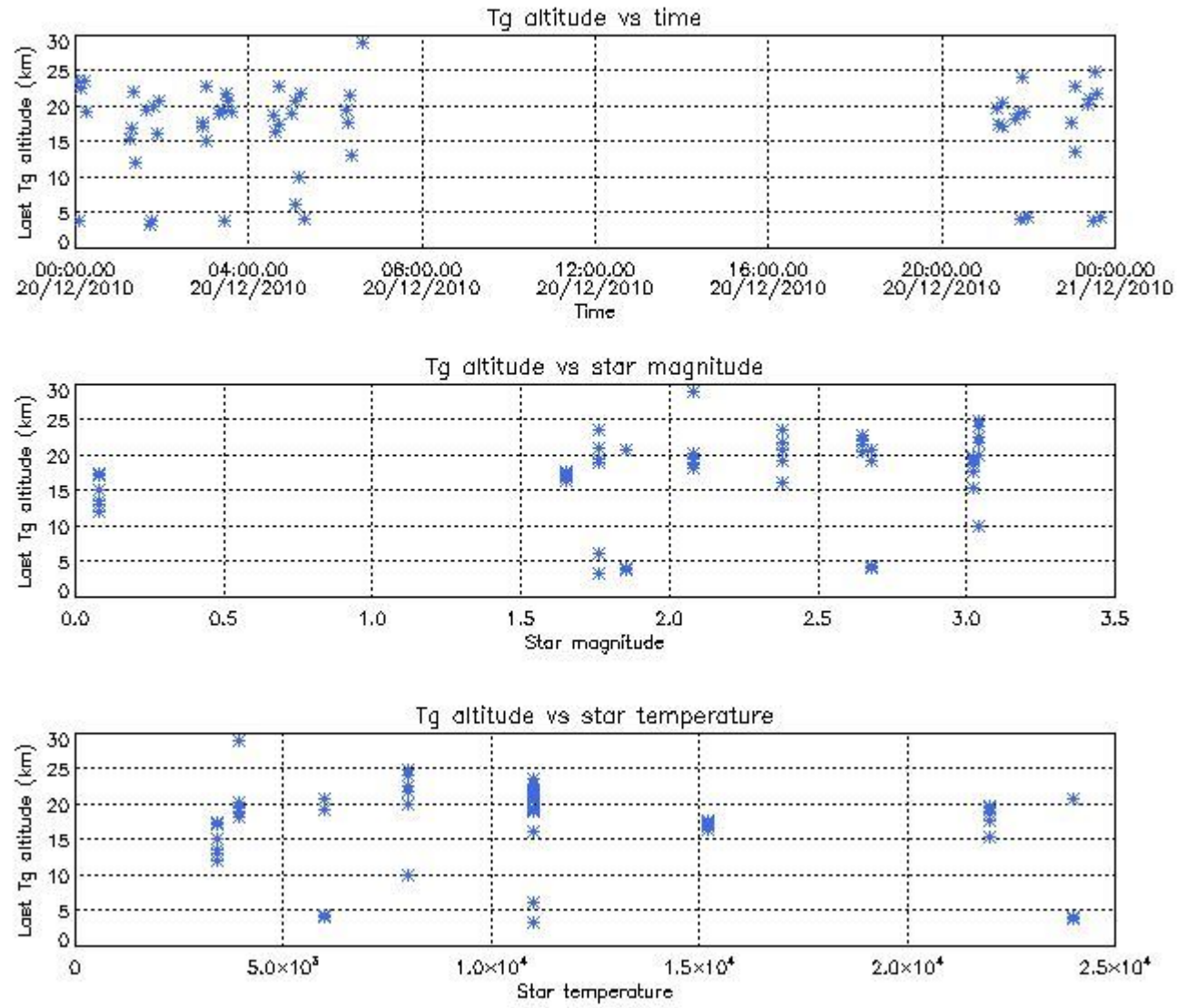
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

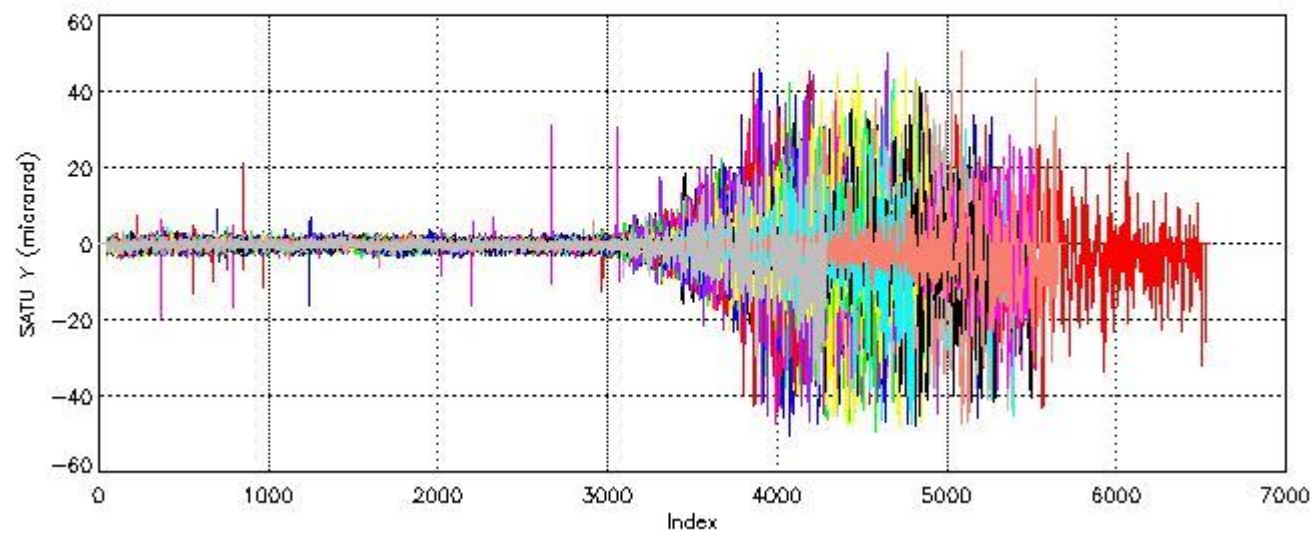
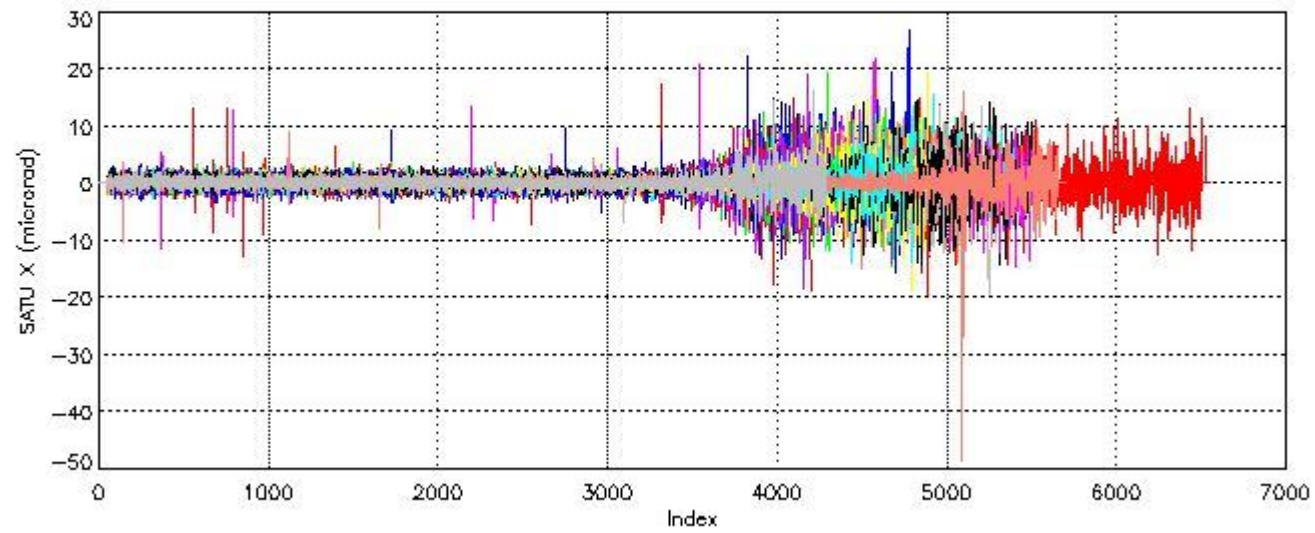


7. Star Acquisition and Tracking Unit (SATU)

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:	0.20696	-0.31655	0.15085	-0.23136
St. deviation:	0.64449	0.79436	0.80610	0.96645
Maximum:	13.300	21.000	5.7000	6.0000
Minimum:	-12.900	-19.700	-6.2000	-6.4000

Number of data:	54900.	54900.	56450.	56450.
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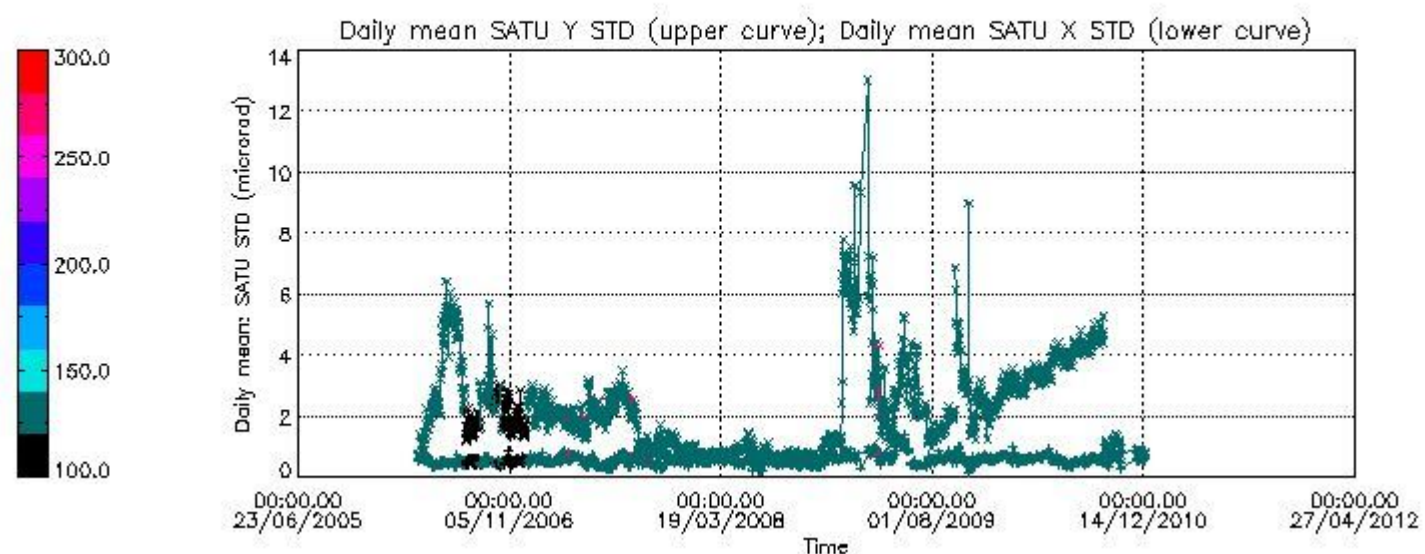
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

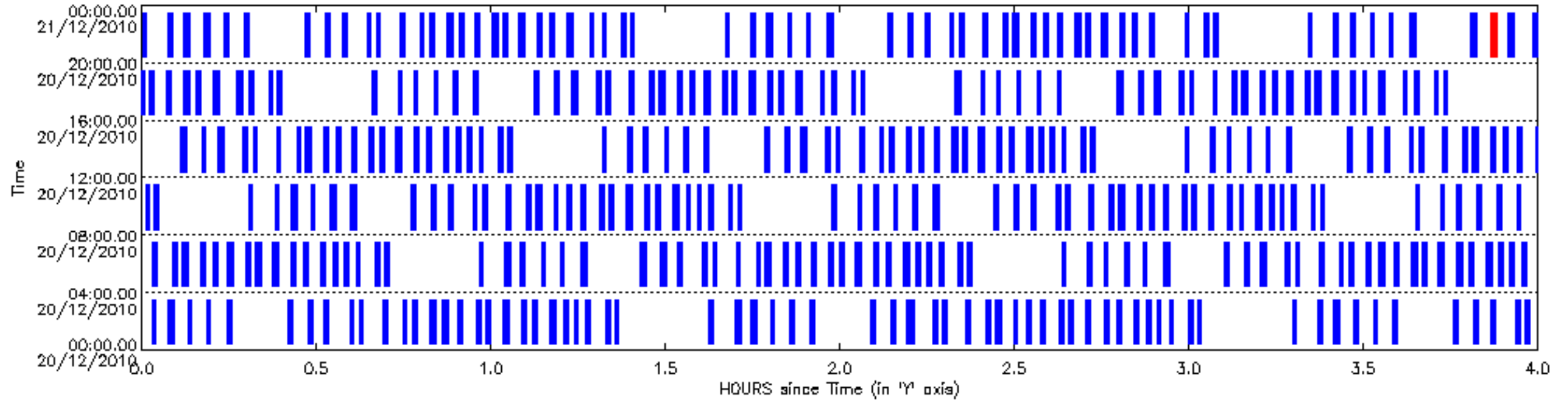
Lower curve: STD of SATU X axis

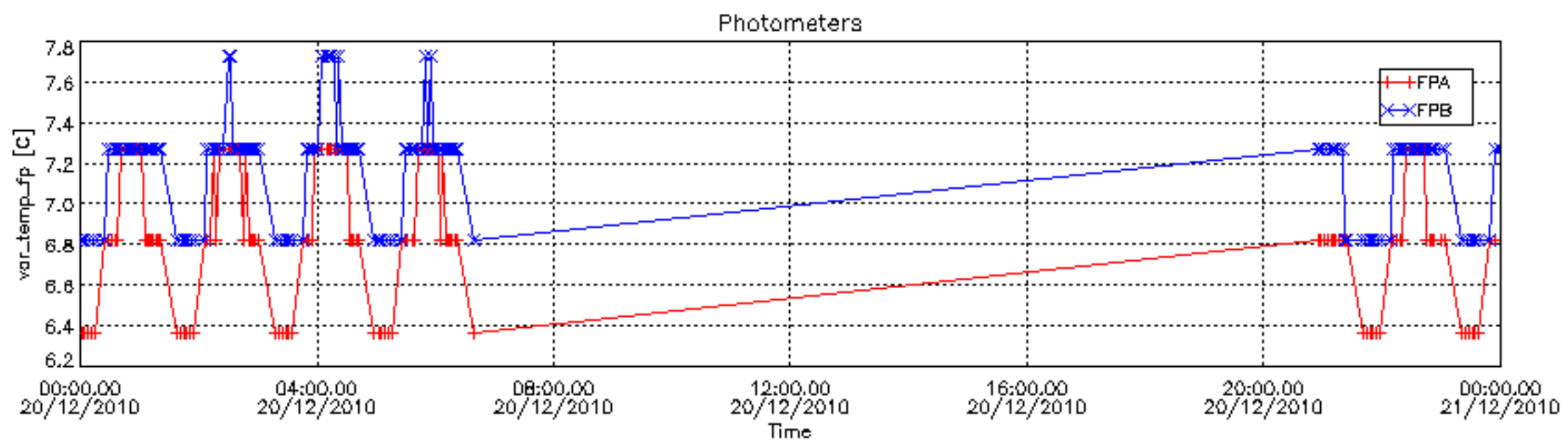
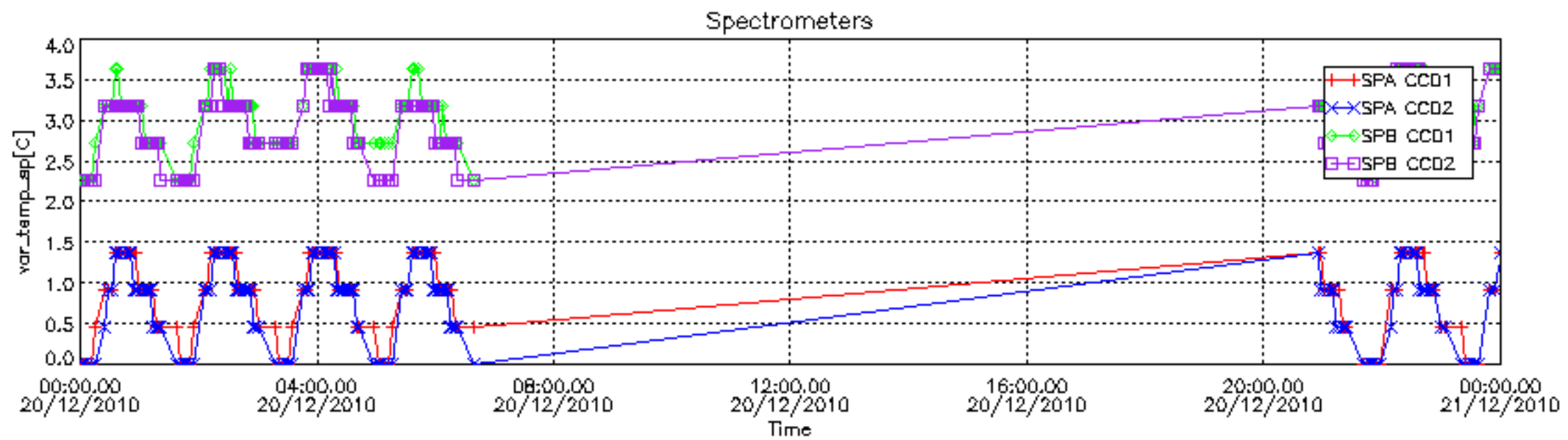


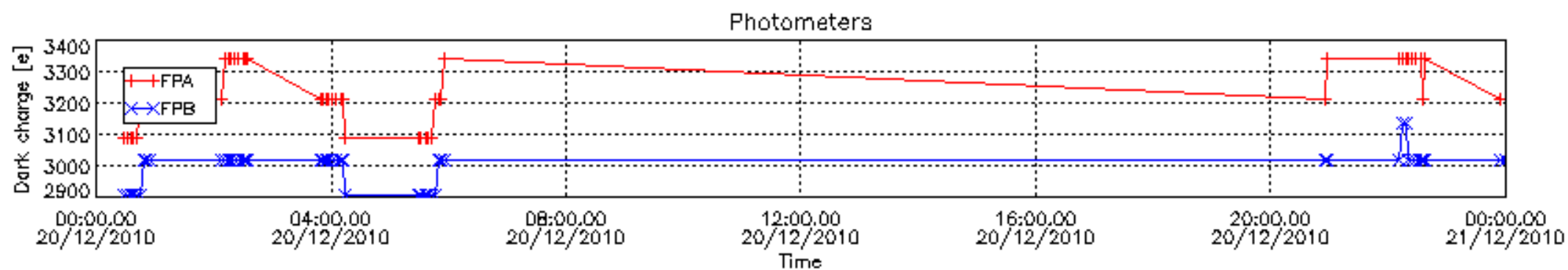
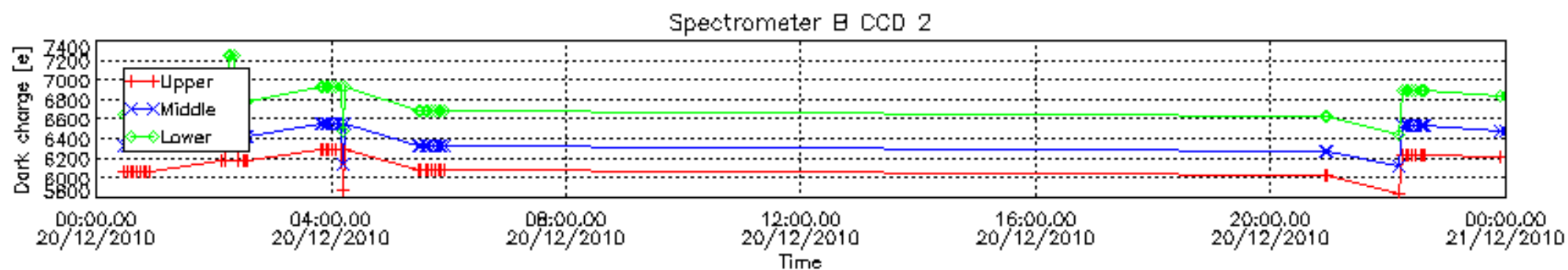
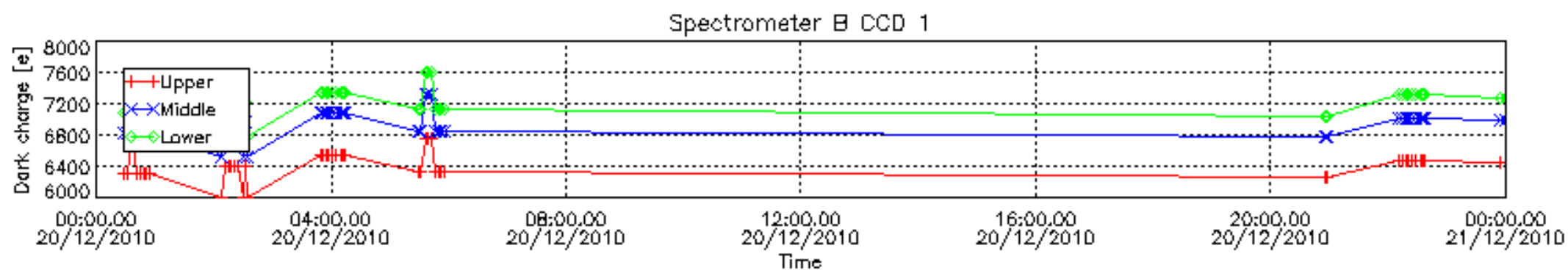
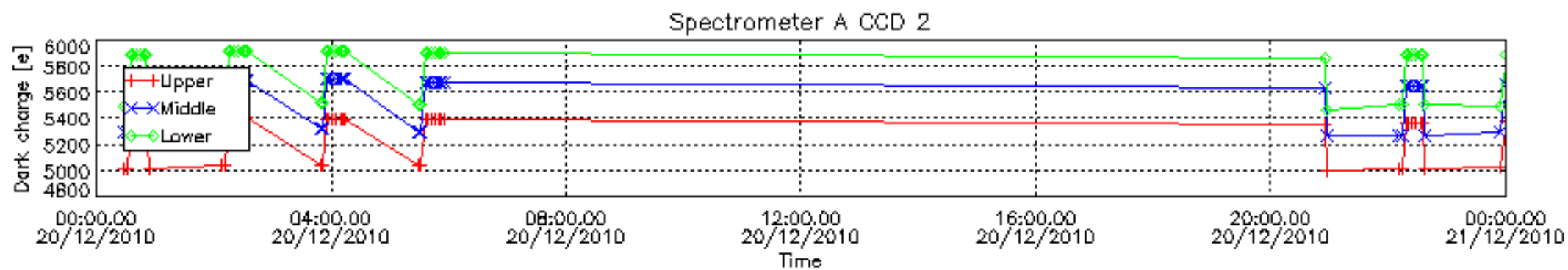
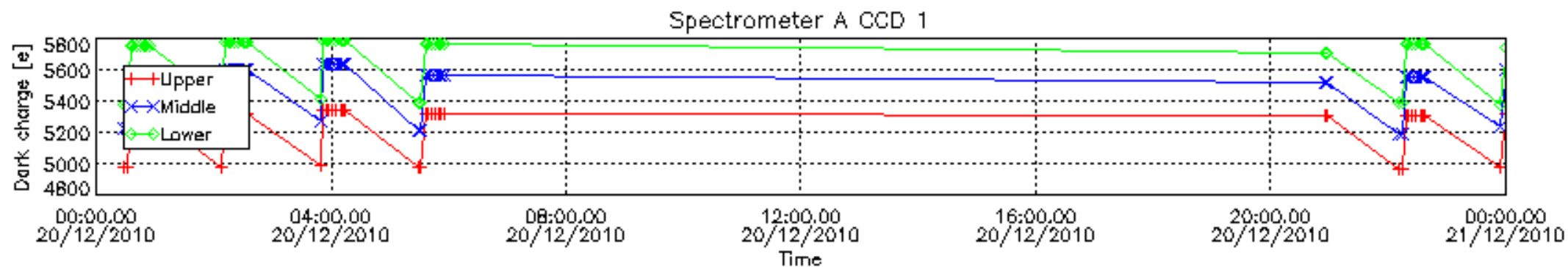
8. Auxiliary Data Files used for the production reported in section 2.4

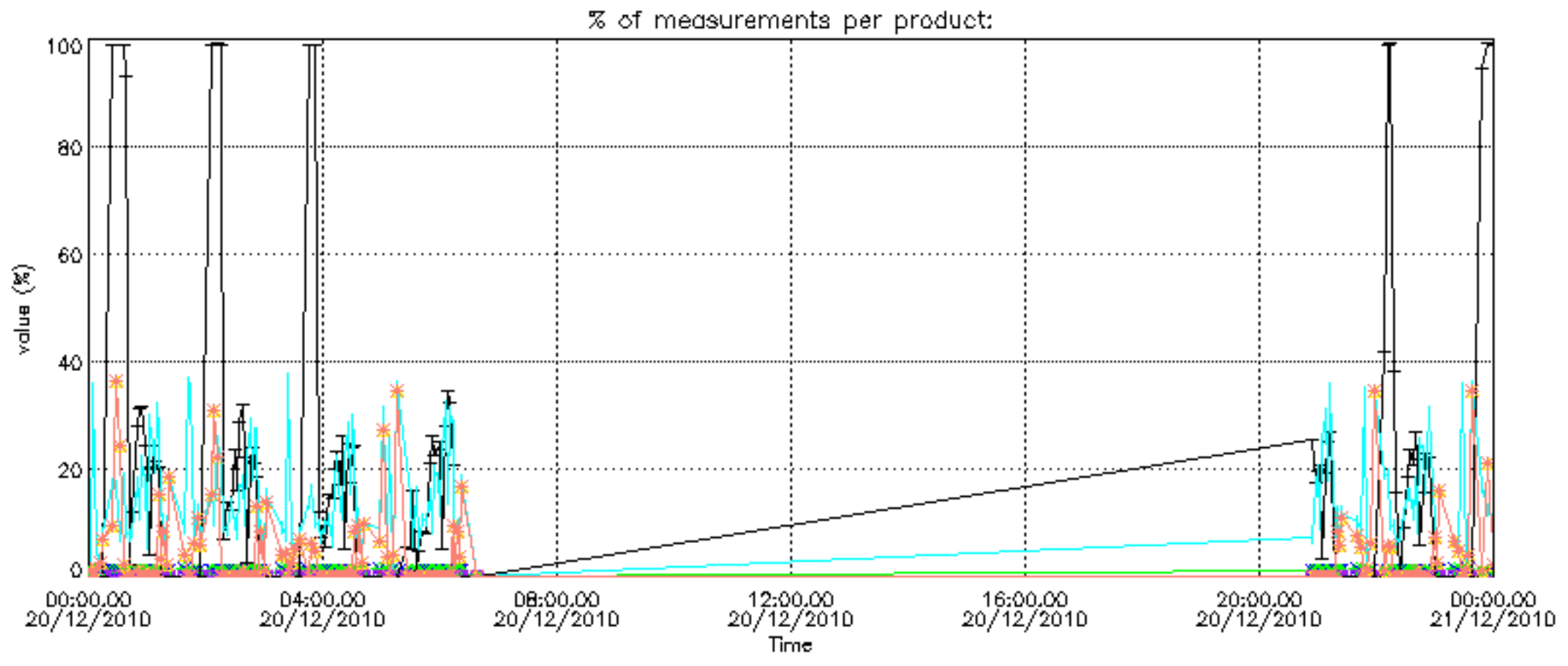
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	20-DEC-2010 00:01:40
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101214_130634_20101212_000000_20500101_000000	1	20-DEC-2010 00:01:40
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101220_121136_20101219_000000_20500101_000000	109	20-DEC-2010 20:54:39
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	20-DEC-2010 00:01:40
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	20-DEC-2010 00:01:40
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	20-DEC-2010 00:01:40
ECMWF_FILE	AUX_ECF_AXNECM20101219_054115_20101219_210000_20101220_090000	1	20-DEC-2010 00:01:40
ECMWF_FILE	AUX_ECF_AXNECM20101219_174116_20101220_030000_20101220_150000	54	20-DEC-2010 03:17:44
ECMWF_FILE	AUX_ECA_AXNECM20101220_052115_20101219_210000_20101220_090000	81	20-DEC-2010 04:57:58
ECMWF_FILE	AUX_ECF_AXNECM20101220_054115_20101220_150000_20101221_030000	109	20-DEC-2010 20:54:39
ECMWF_FILE	AUX_ECF_AXNECM20101220_054115_20101220_210000_20101221_090000	127	20-DEC-2010 22:08:12
OPTIONAL_ECMWF_FILE	MISSING	1	20-DEC-2010 00:01:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101219_224227_000057383097_00331_46035_2163.N1	1	20-DEC-2010 00:01:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101220_002324_000054193097_00332_46036_2164.N1	6	20-DEC-2010 00:24:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101220_015902_000041443097_00333_46037_2165.N1	33	20-DEC-2010 02:05:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101220_031325_000057383097_00334_46038_2166.N1	54	20-DEC-2010 03:17:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101220_045422_000057383097_00335_46039_2167.N1	81	20-DEC-2010 04:57:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101220_205045_000041443097_00345_46049_2168.N1	109	20-DEC-2010 20:54:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101220_220508_000057383097_00345_46049_2169.N1	127	20-DEC-2010 22:08:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101220_234605_000054193097_00346_46050_2170.N1	152	20-DEC-2010 23:48:27

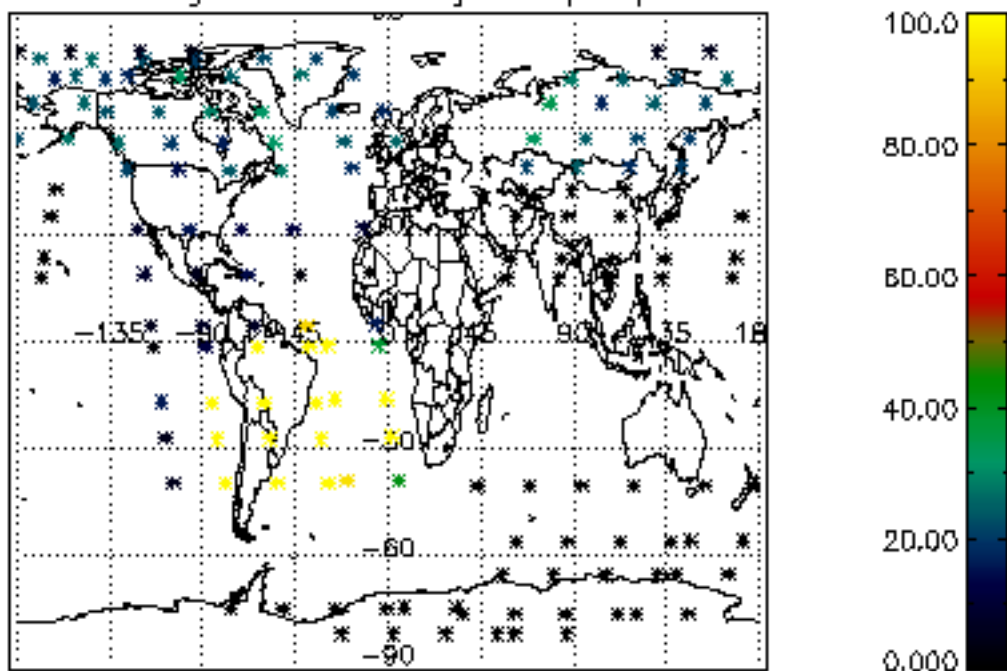




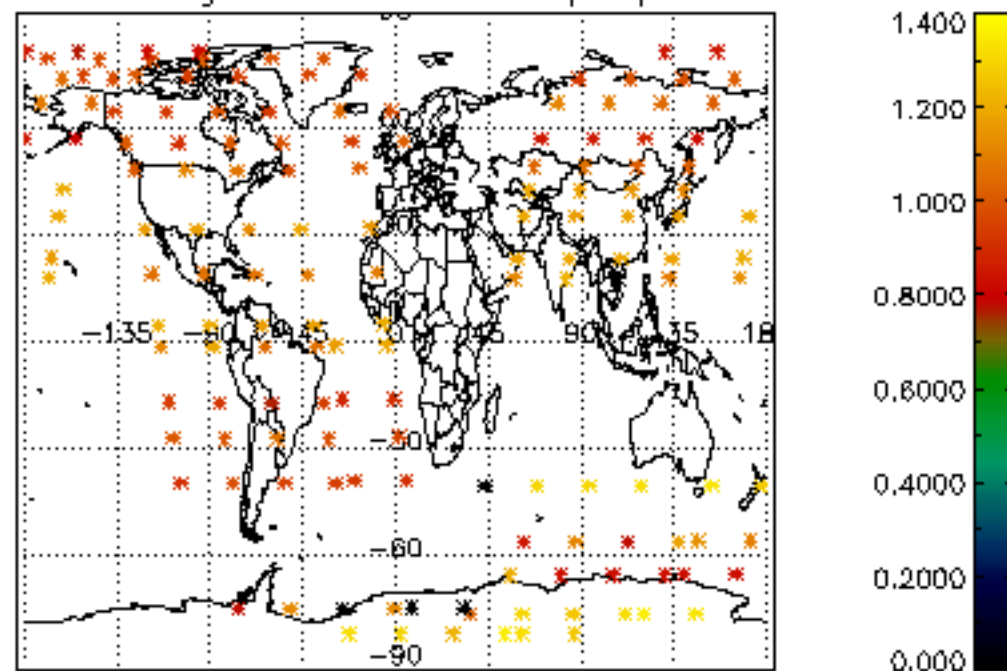




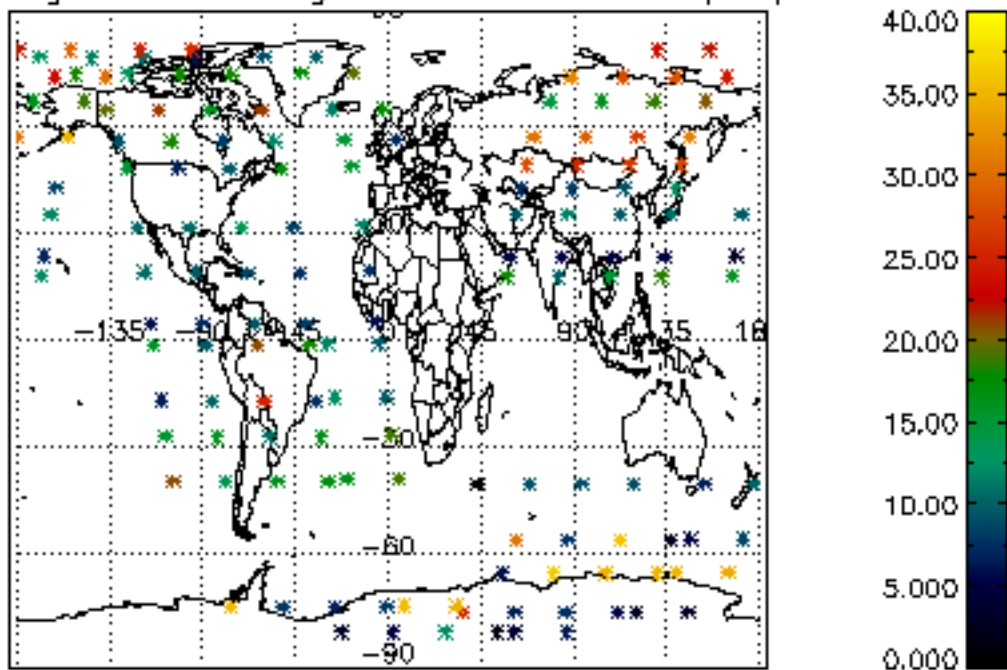
Percentage of cosmic ray hits per profile



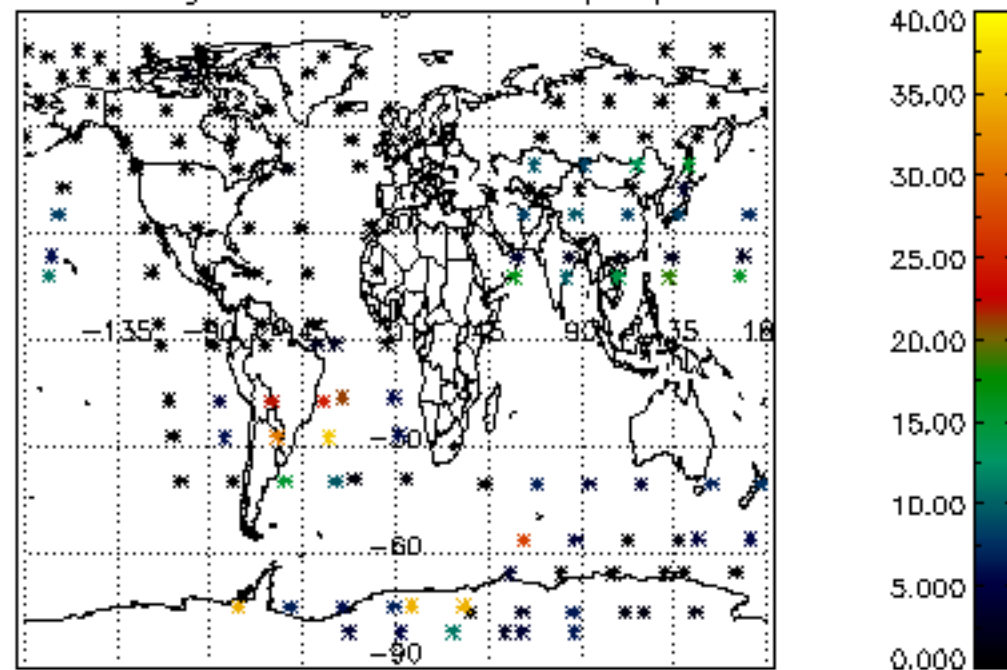
Percentage of datation errors per profile



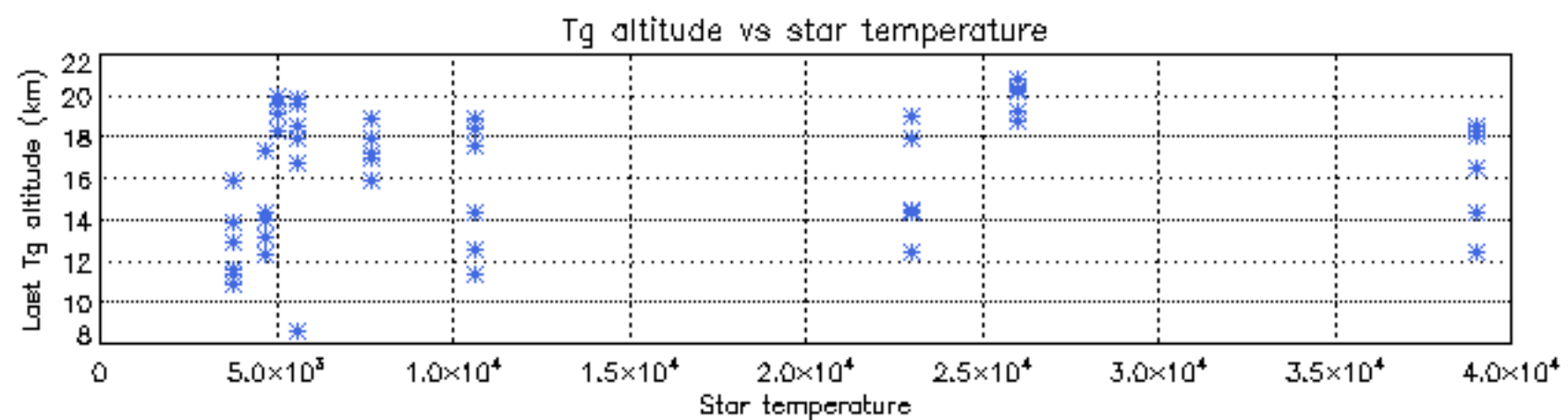
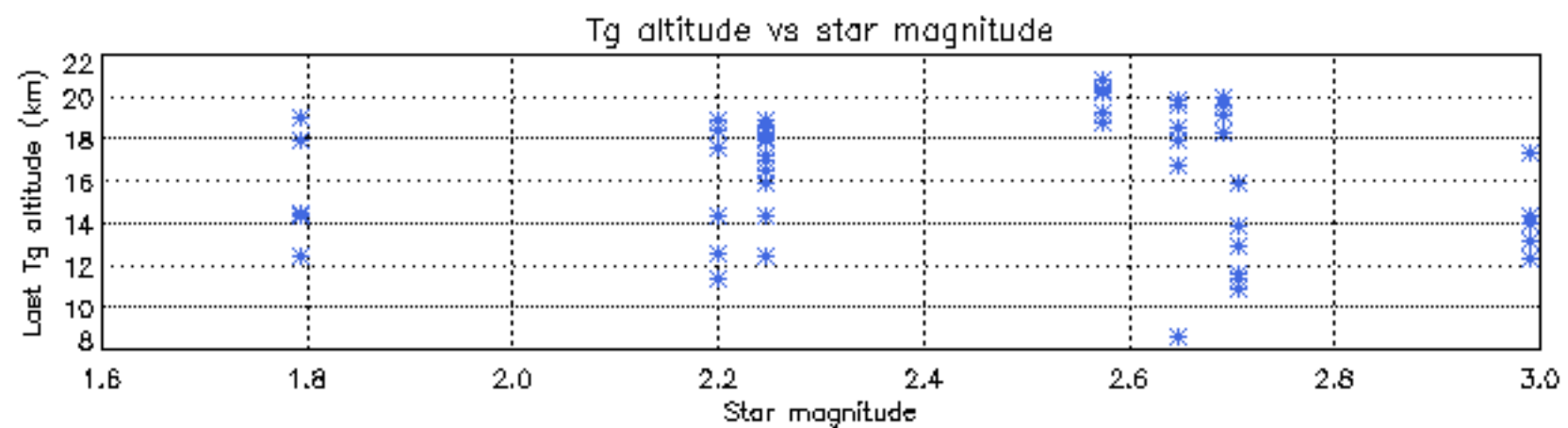
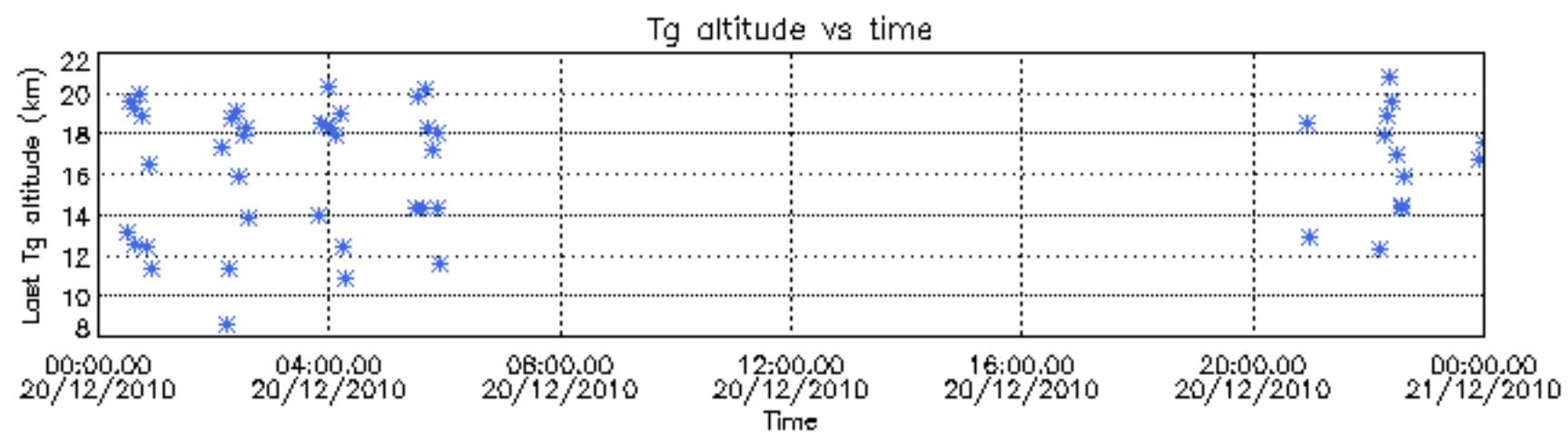
Percentage of star falling outside central band per profile



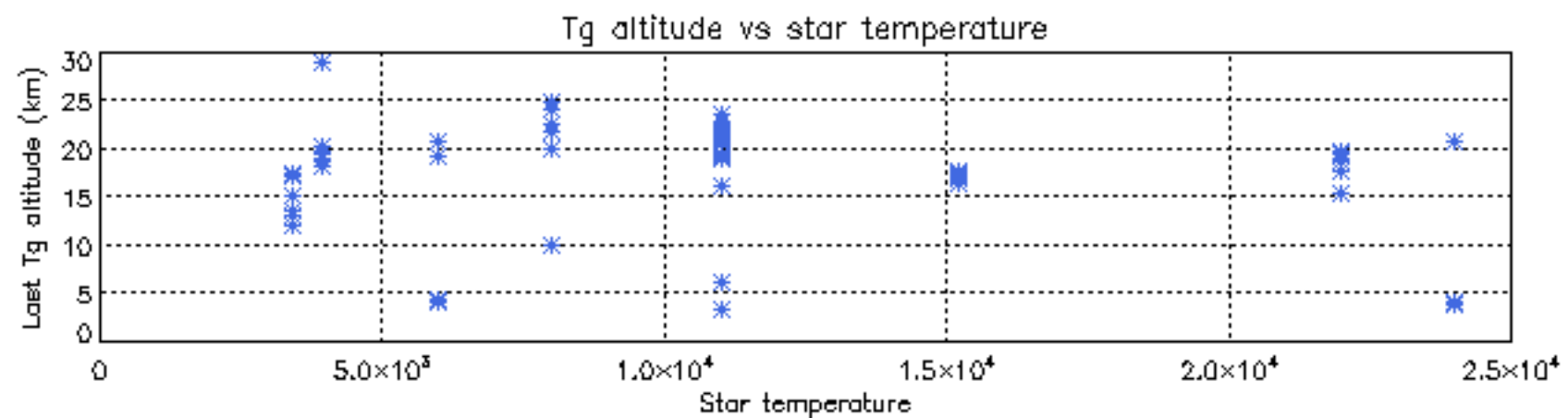
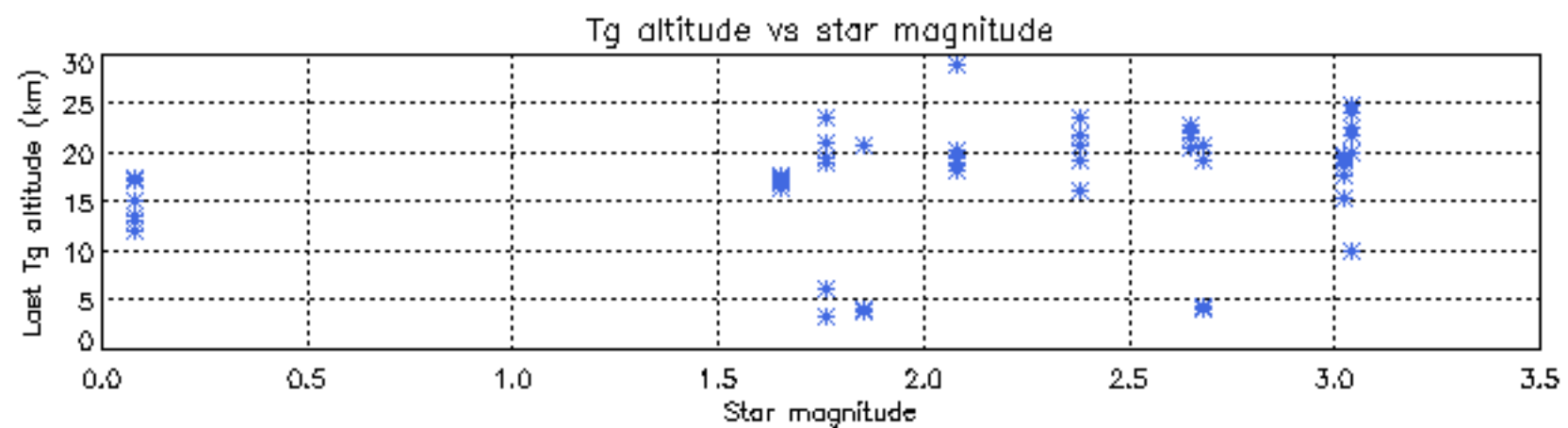
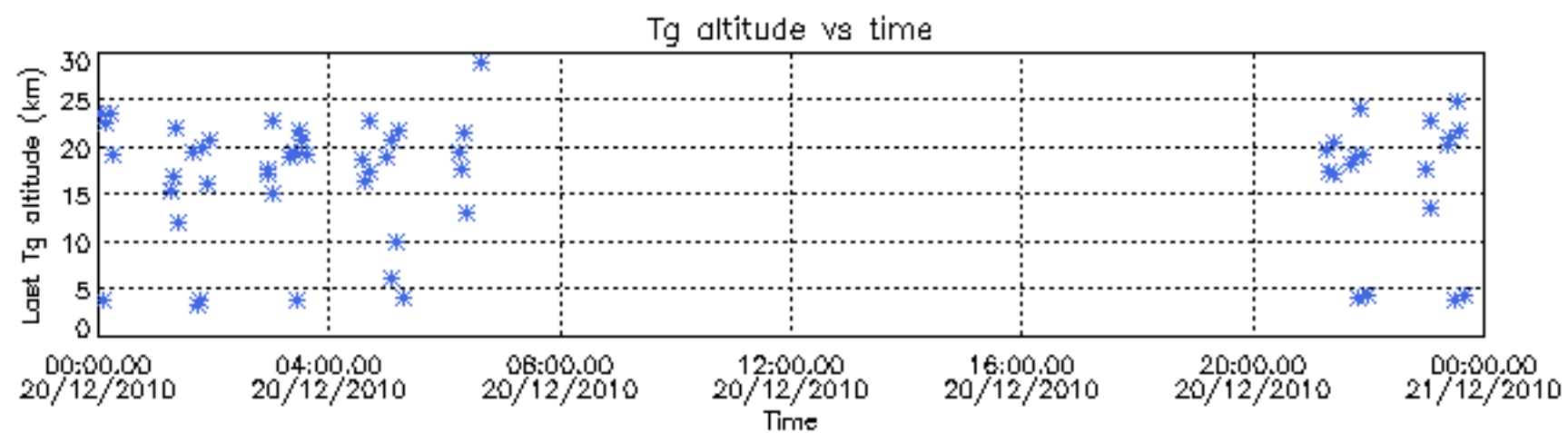
Percentage of saturation errors per profile

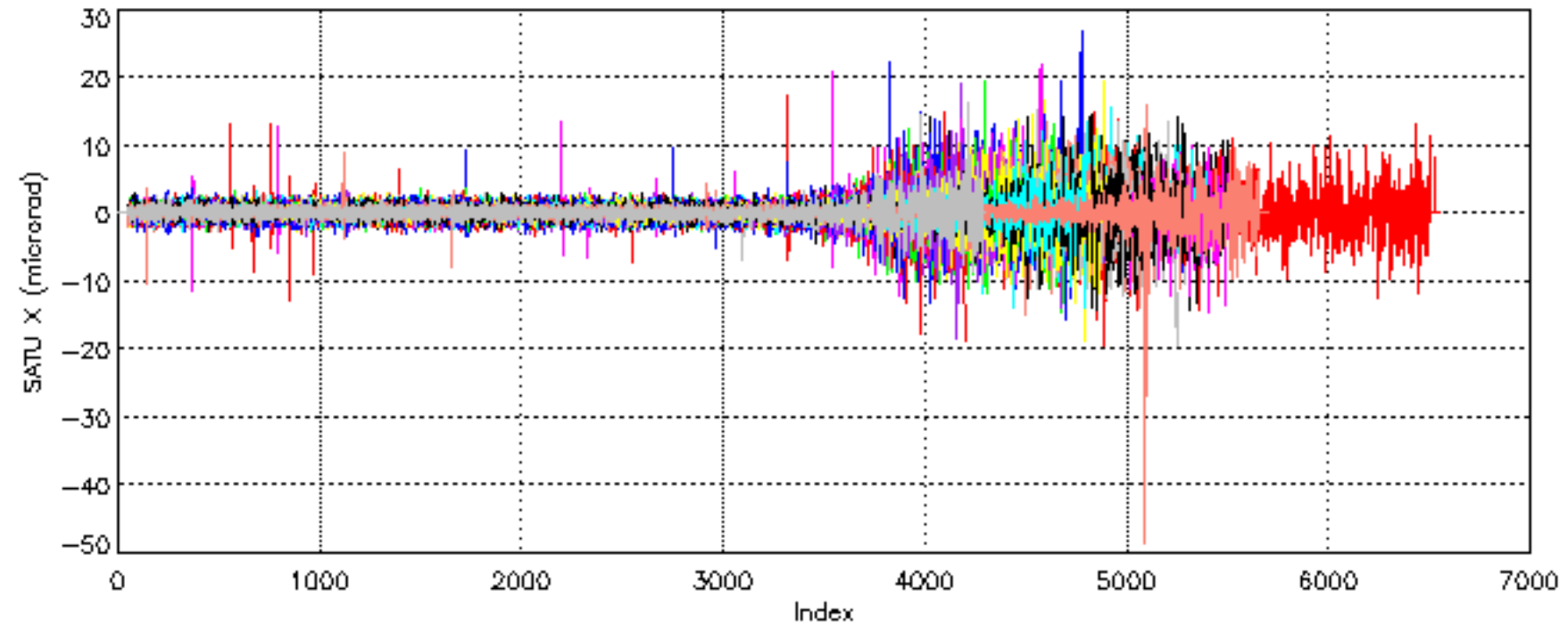


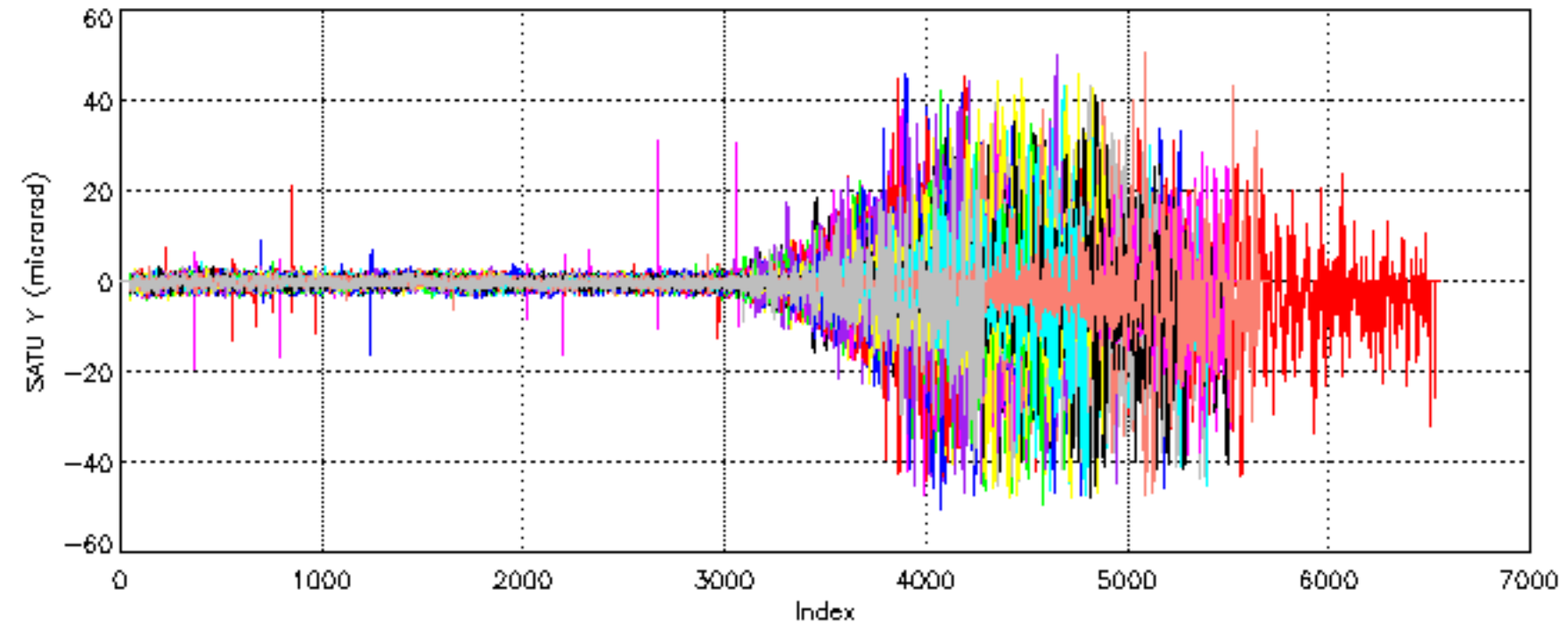
Tangent altitude at which the star is lost

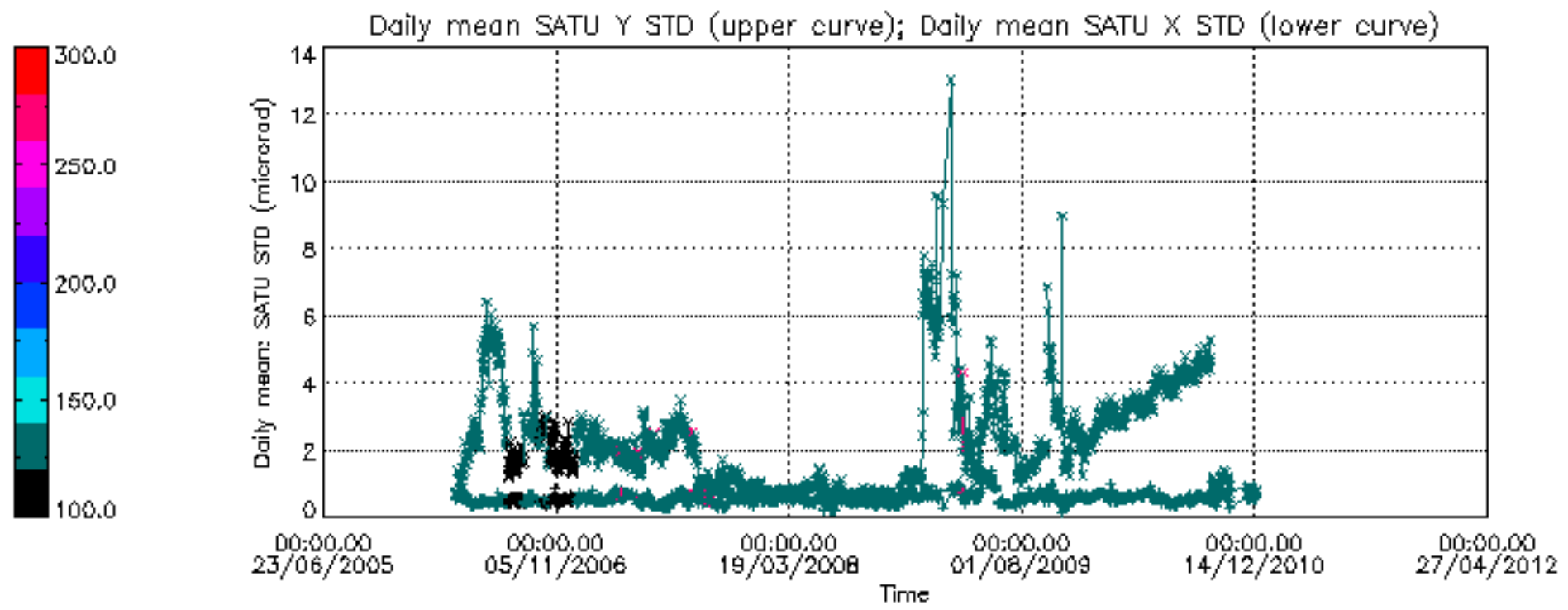


Tangent altitude at which the star is lost









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 2; -485.7; 01-DEC-2010 00:24:11; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;45763
 3; 80.8; 01-DEC-2010 00:33:37; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;45764
 4; 404.8; 01-DEC-2010 00:39:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45764
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 6; 797.9; 01-DEC-2010 00:45:35; Dark ; 49.0; 2; Alp Car ;-0.74; 7000;occ; 98; 0;45764
 7; 907.6; 01-DEC-2010 00:47:24; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;45764
 8; 1181.6; 01-DEC-2010 00:51:58; Dark ; 47.0; 108; Alp Col ; 2.65; 15200;occ; 94; 0;45764
 9; 1523.2; 01-DEC-2010 00:57:40; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;45764
 10; 1739.4; 01-DEC-2010 01:01:16; Dark ; 68.5; 7; 19Bet Ori ; 0.10; 14000;occ; 137; 0;45764
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 12; 2314.7; 01-DEC-2010 01:10:51; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 0;45764
 13; 2456.2; 01-DEC-2010 01:13:13; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;45764
 14; 2601.4; 01-DEC-2010 01:15:38; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;45764
 15; 2722.5; 01-DEC-2010 01:17:39; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45764
 16; 2831.7; 01-DEC-2010 01:19:28; Bright; 53.0; 6; 13Alp Aur ; 0.08; 3400;occ; 106; 0;45764
 17; 2940.4; 01-DEC-2010 01:21:17; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45764
 18; 3801.3; 01-DEC-2010 01:35:38; Bright; 45.0; 36; 50Alp UMa ; 1.80; 6300;occ; 90; 0;45764
 19; 3896.8; 01-DEC-2010 01:37:13; Bright; 68.0; 82; 48Bet UMa ; 2.37; 10600;occ; 136; 0;45764
 20; 3994.3; 01-DEC-2010 01:38:51; Bright; 38.0; 32; 77Eps UMa ; 1.76; 11000;occ; 76; 0;45764
 21; 4165.0; 01-DEC-2010 01:41:42; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;45764
 22; 4326.2; 01-DEC-2010 01:44:23; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;45764
 23; 4896.6; 01-DEC-2010 01:53:53; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;45764
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 5; 798.6; 01-DEC-2010 02:25:49; Dark ; 58.0; 2; Alp Car ;-0.74; 7000;occ; 116; 0;45765
 6; 908.6; 01-DEC-2010 02:27:39; Dark ; 64.0; 117; Pi Pup ; 2.71; 3800;occ; 128; 0;45765
 7; 1182.1; 01-DEC-2010 02:32:13; Dark ; 47.0; 108; Alp Col ; 2.65; 15200;occ; 94; 0;45765
 8; 1523.4; 01-DEC-2010 02:37:54; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;45765
 9; 1739.4; 01-DEC-2010 02:41:30; Dark ; 59.0; 7; 19Bet Ori ; 0.10; 14000;occ; 118; 0;45765
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 13; 2601.2; 01-DEC-2010 02:55:52; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;45765
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 3; -2019.8; 01-DEC-2010 03:19:05; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;45765
 4; -1849.2; 01-DEC-2010 03:21:55; Bright; 67.0; 174; 52Psi UMa ; 3.00; 4400;occ; 134; 0;45765
 5; -1687.8; 01-DEC-2010 03:24:37; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;45765
 6; -1116.8; 01-DEC-2010 03:34:08; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;45765
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 8; -579.5; 01-DEC-2010 03:43:05; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;45765
 9; -484.1; 01-DEC-2010 03:44:41; Dark ; 47.0; 171; 2Eps Crv ; 3.00; 4250;occ; 94; 0;45765
 10; 82.7; 01-DEC-2010 03:54:07; Dark ; 42.5; 113; Mu Vel ; 2.69; 5000;occ; 85; 0;45766
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 13; 799.1; 01-DEC-2010 04:06:04; Dark ; 56.0; 2; Alp Car ;-0.74; 7000;occ; 112; 0;45766
 14; 909.5; 01-DEC-2010 04:07:54; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45766
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 17; 1739.4; 01-DEC-2010 04:21:44; Dark ; 60.5; 7; 19Bet Ori ; 0.10; 14000;occ; 121; 0;45766
 18; 2217.7; 01-DEC-2010 04:29:42; Bright; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 0;45766
 19; 2314.5; 01-DEC-2010 04:31:19; Bright; 39.5; 146; 25Eta Tau ; 2.87; 15200;occ; 79; 0;45766
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 22; 2722.5; 01-DEC-2010 04:38:07; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45766
 23; 2830.6; 01-DEC-2010 04:39:55; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;45766
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3;-2019.9; 01-DEC-2010 04:59:19; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;45766
4;-1849.5; 01-DEC-2010 05:02:09; Bright; 50.5; 174; 52Psi UMa ; 3.00; 4400;occ; 101; 0;45766
5;-1687.6; 01-DEC-2010 05:04:51; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;45766
6;-1116.1; 01-DEC-2010 05:14:23; Bright; 62.0; 62; 94Bet Leo ; 2.14; 9700;occ; 124; 0;45766
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9; -483.1; 01-DEC-2010 05:24:56; Dark ; 49.0; 171; 2Eps Crv ; 3.00; 4250;occ; 98; 0;45766
10; 83.4; 01-DEC-2010 05:34:22; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45767
11; 407.3; 01-DEC-2010 05:39:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45767
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16; 1523.8; 01-DEC-2010 05:58:23; Dark ; 51.0; 101; 11Alp Lep ; 2.58; 7000;occ; 102; 0;45767
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14; 4329.4; 05-DEC-2010 09:18:56; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;45826
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17; 5134.3; 05-DEC-2010 09:32:21; Bright; 46.0; 121; 29Gam Vir ; 2.74; 7200;occ; 92; 0;45826
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19; 5583.2; 05-DEC-2010 09:39:50; Dark ; 51.5; 171; 2Eps Crv ; 3.00; 4250;occ; 103; 0;45826

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 23; 6843.8; 05-DEC-2010 10:00:50; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;45827
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 25; 7220.7; 05-DEC-2010 10:07:07; Dark ; 44.5; 108; Alp Col ; 2.65; 15200;occ; 89; 0;45827
 26; 7546.6; 05-DEC-2010 10:12:33; Dark ; 52.5; 101; 11Alp Lep ; 2.58; 7000;occ; 105; 0;45827

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 15; 4329.2; 05-DEC-2010 10:59:10; Bright; 43.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 86; 0;45827
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 17; 4861.7; 05-DEC-2010 11:08:02; Bright; 42.5; 138; 47Eps Vir ; 2.83; 4700;occ; 85; 0;45827
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 5; 2199.7; 05-DEC-2010 12:03:54; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;45828
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 9; 2712.4; 05-DEC-2010 12:12:27; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;45828
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 11; 3777.4; 05-DEC-2010 12:30:12; Bright; 41.0; 36; 50Alp UMa ; 1.80; 6300;occ; 82; 0;45828
 12; 3870.8; 05-DEC-2010 12:31:46; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;45828
 13; 3987.6; 05-DEC-2010 12:33:42; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;45828
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 16; 4666.7; 05-DEC-2010 12:45:01; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;45828
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 18; 5135.6; 05-DEC-2010 12:52:50; Dark ; 53.5; 121; 29Gam Vir ; 2.74; 7200;occ; 107; 0;45828
 19; 5488.9; 05-DEC-2010 12:58:44; Dark ; 48.5; 100; 4Gam Crv ; 2.58; 13100;occ; 97; 0;45828
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 3; 1914.8; 05-DEC-2010 13:39:23; Dark ; 45.0; 72; 34Del Ori ; 2.25; 30000;occ; 90; 0;45829
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7; 2444.8; 05-DEC-2010 13:48:13; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;45829
8; 2534.8; 05-DEC-2010 13:49:43; Bright; 44.5; 114; 3Iot Aur ; 2.69; 4600;occ; 89; 0;45829
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12; 3870.4; 05-DEC-2010 14:11:59; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;45829
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16; 4666.8; 05-DEC-2010 14:25:15; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;45829
17; 4862.7; 05-DEC-2010 14:28:31; Bright; 62.0; 138; 47Eps Vir ; 2.83; 4700;occ; 124; 0;45829
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23; 6666.6; 05-DEC-2010 14:58:35; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45830
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23; 6975.2; 05-DEC-2010 16:43:58; Dark ; 57.0; 117; Pi Pup ; 2.71; 3800;occ; 114; 0;45831
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 28; 7231.5; 07-DEC-2010 12:14:19; Dark ; 44.0; 108; Alp Col ; 2.65; 15200;occ; 88; 0;45857
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 21; 5613.4; 07-DEC-2010 13:27:35; Dark ; 54.5; 171; 2Eps Crv ; 3.00; 4250;occ; 109; 0;45857
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 23; 6171.3; 07-DEC-2010 13:36:53; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45858
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 22; 5969.5; 07-DEC-2010 15:13:45; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;45858
 23; 6172.2; 07-DEC-2010 15:17:08; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45859
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3;	1891.2;	07-DEC-2010	15:46:01;	Dark	;	55.5;	30;	46Eps	Ori	;	1.69;	30000;	occ;	111;	0;	45859
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5;	2192.9;	07-DEC-2010	15:51:02;	Dark	;	58.0;	13;	87Alp	Tau	;	0.87;	3800;	occ;	116;	0;	45859
6;	2305.6;	07-DEC-2010	15:52:55;	Bright;		37.5;	146;	25Eta	Tau	;	2.87;	15200;	occ;	75;	0;	45859
7;	2441.0;	07-DEC-2010	15:55:11;	Bright;		38.0;	150;	44Zet	Per	;	2.89;	28000;	occ;	76;	0;	45859
8;	2521.4;	07-DEC-2010	15:56:31;	Bright;		43.5;	114;	3Iot	Aur	;	2.69;	4600;	occ;	87;	0;	45859
9;	2708.8;	07-DEC-2010	15:59:38;	Bright;		36.5;	175;	39Del	Per	;	3.01;	19400;	occ;	73;	0;	45859
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12;	3857.0;	07-DEC-2010	16:18:46;	Bright;		49.5;	82;	48Bet	UMa	;	2.37;	10600;	occ;	99;	0;	45859
13;	3983.6;	07-DEC-2010	16:20:53;	Bright;		41.5;	32;	77Eps	UMa	;	1.76;	11000;	occ;	83;	0;	45859
14;	4120.4;	07-DEC-2010	16:23:10;	Bright;		39.5;	39;	85Eta	UMa	;	1.85;	24000;	occ;	79;	0;	45859
15;	4330.7;	07-DEC-2010	16:26:40;	Bright;		40.5;	152;	12Alp2	CVn	;	2.89;	11000;	occ;	81;	0;	45859
16;	4674.2;	07-DEC-2010	16:32:24;	Bright;		56.0;	111;	8Eta	Boo	;	2.68;	6000;	occ;	112;	0;	45859
17;	4876.5;	07-DEC-2010	16:35:46;	Bright;		43.0;	138;	47Eps	Vir	;	2.83;	4700;	occ;	86;	0;	45859
18;	5158.1;	07-DEC-2010	16:40:28;	Dark	;	53.0;	121;	29Gam	Vir	;	2.74;	7200;	occ;	106;	0;	45859
19;	5433.5;	07-DEC-2010	16:45:03;	Dark	;	43.0;	169;	46Gam	Hya	;	2.99;	4700;	occ;	86;	0;	45859
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21;	5615.4;	07-DEC-2010	16:48:05;	Dark	;	52.5;	171;	2Eps	Crv	;	3.00;	4250;	occ;	105;	0;	45859
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23;	6173.1;	07-DEC-2010	16:57:23;	Dark	;	44.5;	113;	Mu	Vel	;	2.69;	5000;	occ;	89;	0;	45860
24;	6498.3;	07-DEC-2010	17:02:48;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	45860
25;	6691.5;	07-DEC-2010	17:06:01;	Dark	;	48.5;	34;	Gam2	Vel	;	1.79;	23000;	occ;	97;	0;	45860
26;	6859.4;	07-DEC-2010	17:08:49;	Dark	;	49.0;	2;	Alp	Car	;	-0.74;	7000;	occ;	98;	0;	45860
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4;	1735.9;	07-DEC-2010	17:23:39;	Dark	;	55.0;	7;	19Bet	Ori	;	0.10;	14000;	occ;	110;	0;	45860
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14;	3856.5;	07-DEC-2010	17:59:00;	Bright;		48.0;	82;	48Bet	UMa	;	2.37;	10600;	occ;	96;	0;	45860
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21;	5434.0;	07-DEC-2010	18:25:18;	Dark	;	43.5;	169;	46Gam	Hya	;	2.99;	4700;	occ;	87;	0;	45860
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23;	5616.4;	07-DEC-2010	18:28:20;	Dark	;	53.5;	171;	2Eps	Crv	;	3.00;	4250;	occ;	107;	0;	45860
24;	5970.6;	07-DEC-2010	18:34:14;	Dark	;	40.5;	99;	Del	Cen	;	2.58;	26000;	occ;	81;	0;	45860
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27;	6692.2;	07-DEC-2010	18:46:16;	Dark	;	48.5;	34;	Gam2	Vel	;	1.79;	23000;	occ;	97;	0;	45861
28;	6859.9;	07-DEC-2010	18:49:03;	Dark	;	49.0;	2;	Alp	Car	;	-0.74;	7000;	occ;	98;	0;	45861
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4;	1735.8;	07-DEC-2010	19:03:54;	Dark	;	54.0;	7;	19Bet	Ori	;	0.10;	14000;	occ;	108;	0;	45861
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9;	2440.9;	07-DEC-2010	19:15:39;	Bright;		38.0;	150;	44Zet	Per	;	2.89;	28000;	occ;	76;	0;	45861

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27; 6692.8; 07-DEC-2010 20:26:31; Dark ; 54.0; 34; Gam2Vel ; 1.79; 23000;occ; 108; 0;45862
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17; 861.9; 10-DEC-2010 06:57:45; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;45897
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19; 2304.8; 16-DEC-2010 23:44:14; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;45993
 20; 2428.0; 16-DEC-2010 23:46:17; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45993
 21; 2639.9; 16-DEC-2010 23:49:49; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45993
 22; 2770.5; 16-DEC-2010 23:51:59; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;45993
 23; 3685.5; 17-DEC-2010 00:07:14; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;45993
 24; 3958.6; 17-DEC-2010 00:11:48; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45993
 25; 4115.6; 17-DEC-2010 00:14:25; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;45993
 26; 4318.0; 17-DEC-2010 00:17:47; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;45993
 27; 4511.4; 17-DEC-2010 00:21:00; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;45993
 28; 4711.7; 17-DEC-2010 00:24:21; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;45993
 29; 5311.9; 17-DEC-2010 00:34:21; Dark ; 56.5; 15; 67Alp Vir ; 0.98; 28000;occ; 113; 0;45993

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 2;-1897.5; 16-DEC-2010 07:32:05; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;45983
 3;-1696.8; 16-DEC-2010 07:35:26; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;45983
 4;-1504.2; 16-DEC-2010 07:38:39; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;45983
 5;-1305.3; 16-DEC-2010 07:41:57; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;45983
 6;-1067.7; 16-DEC-2010 07:45:55; Bright; 59.0; 138; 47Eps Vir ; 2.83; 4700;occ; 118; 0;45983
 7; -709.4; 16-DEC-2010 07:51:53; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;45983
 8; -499.9; 16-DEC-2010 07:55:23; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;45983
 9; -349.7; 16-DEC-2010 07:57:53; Dark ; 53.5; 106; 9Bet Crv ; 2.65; 5600;occ; 107; 0;45983
 10; -253.9; 16-DEC-2010 07:59:29; Dark ; 61.5; 171; 2Eps Crv ; 3.00; 4250;occ; 123; 0;45983
 11; -61.5; 16-DEC-2010 08:02:41; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45983
 12; 36.4; 16-DEC-2010 08:04:19; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;45984
 13; 266.9; 16-DEC-2010 08:08:10; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45984
 14; 492.5; 16-DEC-2010 08:11:55; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;45984
 15; 580.6; 16-DEC-2010 08:13:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45984
 16; 771.4; 16-DEC-2010 08:16:34; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;45984
 17; 898.2; 16-DEC-2010 08:18:41; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45984
 18; 1060.8; 16-DEC-2010 08:21:24; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45984
 19; 1204.1; 16-DEC-2010 08:23:47; Dark ; 34.0; 88; 31Eta CMa ; 2.45; 20000;occ; 68; 0;45984
 20; 1295.6; 16-DEC-2010 08:25:18; Dark ; 53.0; 37; 25Del CMa ; 1.83; 5900;occ; 106; 0;45984
 21; 1526.2; 16-DEC-2010 08:29:09; Dark ; 53.5; 47; 2Bet CMa ; 1.98; 28000;occ; 107; 0;45984

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 2; 1871.9; 16-DEC-2010 08:34:55; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;45984
 3; 2059.0; 16-DEC-2010 08:38:02; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;45984
 4; 2176.9; 16-DEC-2010 08:40:00; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;45984
 5; 2308.7; 16-DEC-2010 08:42:11; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45984
 6; 2431.4; 16-DEC-2010 08:44:14; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;45984
 7; 2645.6; 16-DEC-2010 08:47:48; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45984
 8; 2775.7; 16-DEC-2010 08:49:59; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;45984
 9; 3685.8; 16-DEC-2010 09:05:09; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;45984
 10; 3960.7; 16-DEC-2010 09:09:44; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;45984
 11; 4116.4; 16-DEC-2010 09:12:19; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;45984
 12; 4317.2; 16-DEC-2010 09:15:40; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45984
 13; 4510.0; 16-DEC-2010 09:18:53; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45984
 14; 4709.0; 16-DEC-2010 09:22:12; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;45984
 15; 4947.3; 16-DEC-2010 09:26:10; Bright; 51.0; 138; 47Eps Vir ; 2.83; 4700;occ; 102; 0;45984
 16; 5305.3; 16-DEC-2010 09:32:08; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;45984
 17; 5514.8; 16-DEC-2010 09:35:38; Dark ; 49.0; 169; 46Gam Hya ; 2.99; 4700;occ; 98; 0;45984
 18; 5665.3; 16-DEC-2010 09:38:08; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45984
 19; 5761.4; 16-DEC-2010 09:39:44; Dark ; 57.5; 171; 2Eps Crv ; 3.00; 4250;occ; 115; 0;45984
 20; 5953.1; 16-DEC-2010 09:42:56; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;45984
 21; 6051.0; 16-DEC-2010 09:44:34; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;45985
 22; 6281.6; 16-DEC-2010 09:48:24; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45985
 23; 6507.0; 16-DEC-2010 09:52:10; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45985
 24; 6595.3; 16-DEC-2010 09:53:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45985
 25; 6786.1; 16-DEC-2010 09:56:49; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45985
 26; 6912.8; 16-DEC-2010 09:58:56; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45985
 27; 7075.1; 16-DEC-2010 10:01:38; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;45985
 28; 7218.6; 16-DEC-2010 10:04:01; Dark ; 34.0; 88; 31Eta CMa ; 2.45; 20000;occ; 68; 0;45985
 29; 7310.0; 16-DEC-2010 10:05:33; Dark ; 53.0; 37; 25Del CMa ; 1.83; 5900;occ; 106; 0;45985
 30; 7540.3; 16-DEC-2010 10:09:23; Dark ; 51.0; 47; 2Bet CMa ; 1.98; 28000;occ; 102; 0;45985

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 2; 1738.2; 16-DEC-2010 10:12:55; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;45985
 3; 1871.7; 16-DEC-2010 10:15:09; Dark ; 49.5; 30; 46Eps Ori ; 1.69; 30000;occ; 99; 0;45985

4; 2058.7; 16-DEC-2010 10:18:16; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;45985
5; 2176.7; 16-DEC-2010 10:20:14; Dark ; 52.0; 13; 87Alp Tau ; 0.87; 3800;occ; 104; 0;45985
6; 2308.0; 16-DEC-2010 10:22:25; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;45985
7; 2431.1; 16-DEC-2010 10:24:28; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;45985
8; 2645.2; 16-DEC-2010 10:28:02; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45985
9; 2775.3; 16-DEC-2010 10:30:12; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;45985
10; 3685.8; 16-DEC-2010 10:45:23; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;45985
11; 3960.5; 16-DEC-2010 10:49:57; Bright; 43.5; 32; 77Eps UMa ; 1.76; 11000;occ; 87; 0;45985
12; 4116.3; 16-DEC-2010 10:52:33; Bright; 51.0; 39; 85Eta UMa ; 1.85; 24000;occ; 102; 0;45985
13; 4317.3; 16-DEC-2010 10:55:54; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45985
14; 4510.2; 16-DEC-2010 10:59:07; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;45985
15; 4709.3; 16-DEC-2010 11:02:26; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;45985
16; 4947.8; 16-DEC-2010 11:06:25; Bright; 51.0; 138; 47Eps Vir ; 2.83; 4700;occ; 102; 0;45985
17; 5306.0; 16-DEC-2010 11:12:23; Dark ; 59.0; 15; 67Alp Vir ; 0.98; 28000;occ; 118; 0;45985
18; 5515.6; 16-DEC-2010 11:15:52; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;45985
19; 5666.4; 16-DEC-2010 11:18:23; Dark ; 52.0; 106; 9Bet Crv ; 2.65; 5600;occ; 104; 0;45985
20; 5762.7; 16-DEC-2010 11:20:00; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;45985
21; 5953.8; 16-DEC-2010 11:23:11; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;45985
22; 6051.7; 16-DEC-2010 11:24:49; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45986
23; 6282.4; 16-DEC-2010 11:28:39; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45986
24; 6507.7; 16-DEC-2010 11:32:24; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45986
25; 6596.0; 16-DEC-2010 11:33:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45986
26; 6786.7; 16-DEC-2010 11:37:04; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;45986
27; 6913.6; 16-DEC-2010 11:39:10; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;45986
28; 7075.6; 16-DEC-2010 11:41:52; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;45986
29; 7219.1; 16-DEC-2010 11:44:16; Dark ; 38.0; 88; 31Eta CMA ; 2.45; 20000;occ; 76; 0;45986
30; 7310.3; 16-DEC-2010 11:45:47; Dark ; 58.0; 37; 25Del CMA ; 1.83; 5900;occ; 116; 0;45986
31; 7540.4; 16-DEC-2010 11:49:37; Dark ; 16.0; 47; 2Bet CMA ; 1.98; 28000;occ; 32; 0;45986

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3; 1871.7; 16-DEC-2010 11:55:23; Dark ; 49.0; 30; 46Eps Ori ; 1.69; 30000;occ; 98; 0;45986
4; 2058.4; 16-DEC-2010 11:58:29; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;45986
5; 2176.6; 16-DEC-2010 12:00:27; Dark ; 49.5; 13; 87Alp Tau ; 0.87; 3800;occ; 99; 0;45986
6; 2307.7; 16-DEC-2010 12:02:39; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;45986
7; 2430.6; 16-DEC-2010 12:04:41; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;45986
8; 2644.5; 16-DEC-2010 12:08:15; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45986
9; 2774.6; 16-DEC-2010 12:10:25; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45986
10; 3685.8; 16-DEC-2010 12:25:37; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;45986
11; 3960.4; 16-DEC-2010 12:30:11; Bright; 43.5; 32; 77Eps UMa ; 1.76; 11000;occ; 87; 0;45986
12; 4116.2; 16-DEC-2010 12:32:47; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;45986
13; 4317.3; 16-DEC-2010 12:36:08; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;45986
14; 4510.3; 16-DEC-2010 12:39:21; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45986
15; 4709.7; 16-DEC-2010 12:42:41; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;45986
16; 4948.4; 16-DEC-2010 12:46:39; Bright; 42.0; 138; 47Eps Vir ; 2.83; 4700;occ; 84; 0;45986
17; 5306.7; 16-DEC-2010 12:52:37; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;45986
18; 5516.3; 16-DEC-2010 12:56:07; Dark ; 44.0; 169; 46Gam Hya ; 2.99; 4700;occ; 88; 0;45986
19; 5667.4; 16-DEC-2010 12:58:38; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45986
20; 5764.1; 16-DEC-2010 13:00:15; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;45986
21; 5954.4; 16-DEC-2010 13:03:25; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;45986
22; 6052.3; 16-DEC-2010 13:05:03; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;45987
23; 6283.4; 16-DEC-2010 13:08:54; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45987
24; 6508.3; 16-DEC-2010 13:12:39; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45987
25; 6596.8; 16-DEC-2010 13:14:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45987
26; 6787.4; 16-DEC-2010 13:17:18; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;45987
27; 6914.4; 16-DEC-2010 13:19:25; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;45987
28; 7076.2; 16-DEC-2010 13:22:07; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;45987
29; 7219.7; 16-DEC-2010 13:24:30; Dark ; 38.0; 88; 31Eta CMA ; 2.45; 20000;occ; 76; 0;45987
30; 7310.8; 16-DEC-2010 13:26:02; Dark ; 58.0; 37; 25Del CMA ; 1.83; 5900;occ; 116; 0;45987
31; 7540.6; 16-DEC-2010 13:29:51; Dark ; 31.0; 47; 2Bet CMA ; 1.98; 28000;occ; 62; 0;45987

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2; 1738.4; 16-DEC-2010 13:33:23; Dark ; 56.0; 7; 19Bet Ori ; 0.10; 14000;occ; 112; 0;45987
3; 1871.7; 16-DEC-2010 13:35:36; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;45987
4; 2058.1; 16-DEC-2010 13:38:43; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;45987
5; 2176.7; 16-DEC-2010 13:40:41; Dark ; 44.5; 13; 87Alp Tau ; 0.87; 3800;occ; 89; 0;45987
6; 2307.4; 16-DEC-2010 13:42:52; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45987
7; 2430.3; 16-DEC-2010 13:44:55; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45987

8; 2643.7; 16-DEC-2010 13:48:28; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45987
9; 2773.9; 16-DEC-2010 13:50:39; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45987
10; 3685.9; 16-DEC-2010 14:05:51; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;45987
11; 3960.2; 16-DEC-2010 14:10:25; Bright; 42.0; 32; 77Eps UMa ; 1.76; 11000;occ; 84; 0;45987
12; 4116.3; 16-DEC-2010 14:13:01; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;45987
13; 4317.7; 16-DEC-2010 14:16:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45987
14; 4510.6; 16-DEC-2010 14:19:35; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45987
15; 4709.9; 16-DEC-2010 14:22:55; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;45987
16; 4949.2; 16-DEC-2010 14:26:54; Bright; 42.0; 138; 47Eps Vir ; 2.83; 4700;occ; 84; 0;45987
17; 5307.5; 16-DEC-2010 14:32:52; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;45987
18; 5517.2; 16-DEC-2010 14:36:22; Dark ; 50.0; 169; 46Gam Hya ; 2.99; 4700;occ; 100; 0;45987
19; 5668.5; 16-DEC-2010 14:38:53; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45987
20; 5765.4; 16-DEC-2010 14:40:30; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;45987
21; 5955.2; 16-DEC-2010 14:43:40; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;45987
22; 6053.1; 16-DEC-2010 14:45:18; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45988
23; 6284.3; 16-DEC-2010 14:49:09; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45988
24; 6509.0; 16-DEC-2010 14:52:54; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45988
25; 6597.6; 16-DEC-2010 14:54:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45988
26; 6788.2; 16-DEC-2010 14:57:33; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;45988
27; 6915.4; 16-DEC-2010 14:59:40; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;45988
28; 7077.0; 16-DEC-2010 15:02:22; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;45988
29; 7270.2; 16-DEC-2010 15:05:35; Dark ; 51.5; 23; 21Eps CMa ; 1.50; 26000;occ; 103; 0;45988
30; 7376.7; 16-DEC-2010 15:07:21; Dark ; 24.5; 179; 240mi2CMa ; 3.03; 24000;occ; 49; 0;45988

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3; 1871.8; 16-DEC-2010 15:15:51; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;45988
4; 2057.8; 16-DEC-2010 15:18:57; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;45988
5; 2176.7; 16-DEC-2010 15:20:55; Dark ; 45.5; 13; 87Alp Tau ; 0.87; 3800;occ; 91; 0;45988
6; 2307.2; 16-DEC-2010 15:23:06; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;45988
7; 2430.1; 16-DEC-2010 15:25:09; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;45988
8; 2643.2; 16-DEC-2010 15:28:42; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;45988
9; 2773.4; 16-DEC-2010 15:30:52; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45988
10; 3685.8; 16-DEC-2010 15:46:05; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;45988
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14; 4510.7; 16-DEC-2010 15:59:50; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;45988
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29; 7270.7; 16-DEC-2010 16:45:49; Dark ; 6.5; 23; 21Eps CMa ; 1.50; 26000;occ; 13; 0;45989

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 22; 5768.1; 16-DEC-2010 18:01:01; Dark ; 46.0; 171; 2Eps Crv ; 3.00; 4250;occ; 92; 0;45989
 23; 5956.4; 16-DEC-2010 18:04:09; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;45989
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 27; 6599.2; 16-DEC-2010 18:14:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45990
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 26; 4318.1; 17-DEC-2010 01:58:01; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;45994
 27; 4511.5; 17-DEC-2010 02:01:14; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;45994
 28; 4712.1; 17-DEC-2010 02:04:35; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;45994

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 6; 499.3; 17-DEC-2010 02:34:36; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;45995
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 9; 906.3; 17-DEC-2010 02:41:23; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;45995
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22; 1738.6; 17-DEC-2010 04:35:30; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;45996
23; 1870.9; 17-DEC-2010 04:37:42; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;45996
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27; 2637.7; 17-DEC-2010 06:30:43; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;45997
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 19; 6347.4; 21-DEC-2010 11:46:34; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46058
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5; 93.0; 22-DEC-2010 01:04:26; Dark ; 56.0; 26; Gam Cru ; 1.62; 2900;occ; 112; 0;46066
6; 340.7; 22-DEC-2010 01:08:34; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46066
7; 542.2; 22-DEC-2010 01:11:55; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;46066
8; 639.5; 22-DEC-2010 01:13:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46066
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11; 1103.1; 22-DEC-2010 01:21:16; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;46066
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13; 1386.6; 22-DEC-2010 01:26:00; Dark ; 50.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 101; 0;46066
14; 1552.5; 22-DEC-2010 01:28:45; Dark ; 59.5; 1; 9Alp CMa ; -1.44; 11000;occ; 119; 0;46066
15; 1743.2; 22-DEC-2010 01:31:56; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;46066
16; 1867.0; 22-DEC-2010 01:34:00; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;46066
17; 2037.7; 22-DEC-2010 01:36:51; Dark ; 56.5; 14; 58Alp Ori ; 0.87; 3000;occ; 113; 0;46066
18; 2281.7; 22-DEC-2010 01:40:55; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;46066
19; 2405.8; 22-DEC-2010 01:42:59; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;46066
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22; 3682.6; 22-DEC-2010 02:04:16; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46066
23; 3939.8; 22-DEC-2010 02:08:33; Bright; 65.0; 32; 77Eps UMa ; 1.76; 11000;occ; 130; 0;46066
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26; 4524.5; 22-DEC-2010 02:18:17; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;46066
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8; 640.2; 22-DEC-2010 02:53:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46067
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14; 1552.7; 22-DEC-2010 03:09:00; Dark ; 64.5; 1; 9Alp CMa ; -1.44; 11000;occ; 129; 0;46067
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21; 1743.4; 22-DEC-2010 04:52:24; Dark ; 54.0; 7; 19Bet Ori ; 0.10; 14000;occ; 108; 0;46068
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28; 3682.6; 22-DEC-2010 05:24:44; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;46068
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5; -1489.3; 22-DEC-2010 05:38:46; Bright; 57.0; 83; ; 2.38; 11000;occ; 114; 0;46068
6; -1276.4; 22-DEC-2010 05:42:19; Bright; 65.0; 111; 8Eta Boo ; 2.68; 6000;occ; 130; 0;46068
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5; 1389.6; 22-DEC-2010 19:48:37; Dark ; 50.0; 179; 240mi2CMa ; 3.03; 24000;occ; 100; 0;46077
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27; 6994.3; 24-DEC-2010 16:48:06; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;46104
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13;	1557.9;	25-DEC-2010	01:18:54;	Dark	;	55.0;	1;	9Alp CMa	;	-1.44;	11000;occ;	110;	0;	46109
14;	1746.8;	25-DEC-2010	01:22:03;	Dark	;	48.5;	7;	19Bet Ori	;	0.10;	14000;occ;	97;	0;	46109
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16;	2030.0;	25-DEC-2010	01:26:46;	Dark	;	56.5;	14;	58Alp Ori	;	0.87;	3000;occ;	113;	0;	46109
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19;	2583.8;	25-DEC-2010	01:36:00;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;	46109
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22;	3926.7;	25-DEC-2010	01:58:23;	Bright;	;	47.0;	32;	77Eps UMa	;	1.76;	11000;occ;	94;	0;	46109
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24;	4326.4;	25-DEC-2010	02:05:02;	Bright;	;	37.5;	180;	27Gam Boo	;	3.04;	8000;occ;	75;	0;	46109
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27; 7435.2; 31-DEC-2010 12:38:21; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;46202
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13; 4550.5; 31-DEC-2010 13:30:31; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46202
14; 4744.6; 31-DEC-2010 13:33:45; Bright; 52.5; 3; 16Alp Boo ; -0.05; 4250;occ; 105; 0;46202
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16; 5325.6; 31-DEC-2010 13:43:26; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;46202
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23; 6729.6; 31-DEC-2010 14:06:50; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;46203
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27; 7343.0; 31-DEC-2010 14:17:03; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;46203
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13; 4331.0; 31-DEC-2010 15:07:05; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;46203
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 22; 6479.3; 31-DEC-2010 15:42:53; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;46204
 23; 6634.9; 31-DEC-2010 15:45:29; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46204
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 27; 7175.5; 31-DEC-2010 15:54:30; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46204
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 12; 3892.1; 31-DEC-2010 16:40:00; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;46204
 13; 4088.1; 31-DEC-2010 16:43:16; Bright; 46.5; 39; 85Eta UMa ; 1.85; 24000;occ; 93; 0;46204
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 16; 4745.4; 31-DEC-2010 16:54:14; Bright; 53.0; 3; 16Alp Boo ; -0.05; 4250;occ; 106; 0;46204
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 22; 6221.0; 31-DEC-2010 17:18:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46205
 23; 6480.3; 31-DEC-2010 17:23:08; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46205
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 26; 6920.1; 31-DEC-2010 17:30:28; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46205
 27; 7051.0; 31-DEC-2010 17:32:39; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;46205
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 13; 3891.6; 31-DEC-2010 18:20:14; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;46205
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 15; 4330.8; 31-DEC-2010 18:27:33; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;46205
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 18; 5169.1; 31-DEC-2010 18:41:31; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;46205
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 22; 6112.9; 31-DEC-2010 18:57:15; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46206
 23; 6221.9; 31-DEC-2010 18:59:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46206
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 26; 6749.9; 31-DEC-2010 19:07:52; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;46206
 27; 6920.5; 31-DEC-2010 19:10:43; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46206
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3;	1329.8;	31-DEC-2010	19:17:46;	Dark	;	44.0;	23;	21Eps CMa	;	1.50;	26000;occ;	88;	0;	46206
4;	1422.0;	31-DEC-2010	19:19:18;	Dark	;	42.5;	179;	24Omi2CMa	;	3.03;	24000;occ;	85;	0;	46206
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7;	1869.3;	31-DEC-2010	19:26:46;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;occ;	89;	0;	46206
8;	2020.2;	31-DEC-2010	19:29:17;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;occ;	110;	0;	46206
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11;	2552.7;	31-DEC-2010	19:38:09;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;	46206
12;	2677.7;	31-DEC-2010	19:40:14;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;occ;	82;	0;	46206
13;	3672.2;	31-DEC-2010	19:56:49;	Bright;	;	35.0;	60;	7Bet UMi	;	2.08;	3950;occ;	70;	0;	46206
14;	3891.1;	31-DEC-2010	20:00:28;	Bright;	;	49.5;	32;	77Eps UMa	;	1.76;	11000;occ;	99;	0;	46206
15;	4087.7;	31-DEC-2010	20:03:44;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;occ;	132;	0;	46206
16;	4330.9;	31-DEC-2010	20:07:47;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;occ;	124;	0;	46206
17;	4551.4;	31-DEC-2010	20:11:28;	Bright;	;	62.0;	83;		;	2.38;	11000;occ;	124;	0;	46206
18;	4746.2;	31-DEC-2010	20:14:43;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	107;	0;	46206
19;	5169.6;	31-DEC-2010	20:21:46;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;	46206
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21;	5739.5;	31-DEC-2010	20:31:16;	Dark	;	48.5;	54;	5The Cen	;	2.06;	4500;occ;	97;	0;	46206
22;	5904.9;	31-DEC-2010	20:34:01;	Dark	;	42.0;	95;	Zet Cen	;	2.55;	26000;occ;	84;	0;	46206
23;	6113.8;	31-DEC-2010	20:37:30;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;	46207
24;	6222.7;	31-DEC-2010	20:39:19;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	46207
25;	6482.0;	31-DEC-2010	20:43:38;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;	46207
26;	6636.4;	31-DEC-2010	20:46:13;	Dark	;	45.0;	71;	Iot Car	;	2.25;	7700;occ;	90;	0;	46207
27;	6750.2;	31-DEC-2010	20:48:07;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;occ;	85;	0;	46207
28;	6921.0;	31-DEC-2010	20:50:57;	Dark	;	48.0;	34;	Gam2Vel	;	1.79;	23000;occ;	96;	0;	46207
29;	7051.8;	31-DEC-2010	20:53:08;	Dark	;	23.5;	70;	Zet Pup	;	2.25;	39000;occ;	47;	0;	46207