

GOMOS Daily Report 13-JUL-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	17JUL2010 04:56:19
Data source version	GOMOS/5.01
Start time of products	13JUL2010 00:03:01
Stop time of products	13JUL2010 23:59:49
Store outputs in DB	Yes
Nb of level 1b prods	133
Nb of prods with errors	1

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

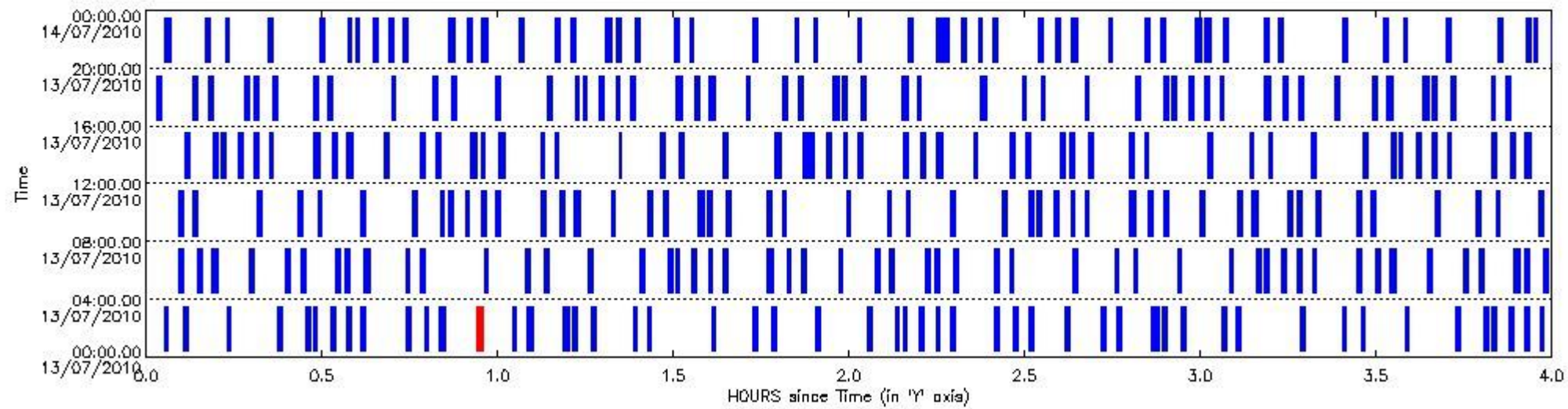
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
13-JUL-2010 00:56:31	The1Eri	157	43743

2.4 Summary of processed GOM_TRA_1P products

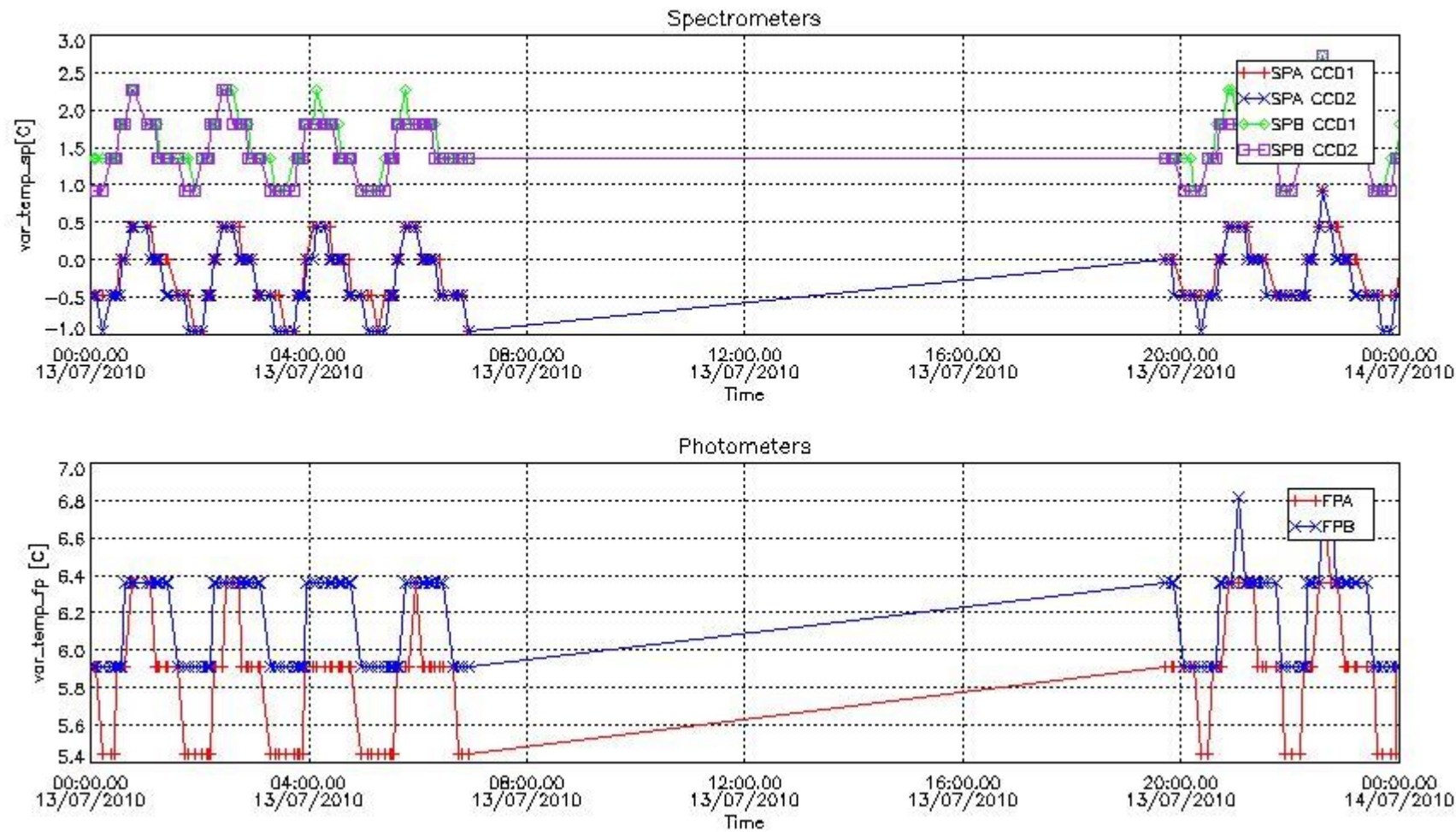
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100713_000301_000000402091_00102_43743_6250.N1	13-JUL-2010 00:03:01	Bright	40.000	5	3Alp Lyr	0.033000	11000.	80	43743	No
2	GOM_TRA_1PNPDE20100713_000615_000000502091_00102_43743_6251.N1	13-JUL-2010 00:06:15	Bright	50.000	69	33Gam Dra	2.2310	3800.0	100	43743	No
3	GOM_TRA_1PNPDE20100713_001344_000000442091_00102_43743_6252.N1	13-JUL-2010 00:13:44	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43743	No
4	GOM_TRA_1PNPDE20100713_002230_000000502091_00102_43743_6253.N1	13-JUL-2010 00:22:30	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	43743	No
5	GOM_TRA_1PNPDE20100713_002715_000000412091_00102_43743_6254.N1	13-JUL-2010 00:27:15	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	43743	No
6	GOM_TRA_1PNPDE20100713_002833_000000402091_00102_43743_6255.N1	13-JUL-2010 00:28:33	Bright	39.500	35	33Alp Per	1.7950	6250.0	79	43743	No
7	GOM_TRA_1PNPDE20100713_003126_000000522091_00102_43743_6256.N1	13-JUL-2010 00:31:26	Bright	51.500	79	26Bet Per	2.3100	13100.	103	43743	No
8	GOM_TRA_1PNPDE20100713_003412_000000462091_00102_43743_6257.N1	13-JUL-2010 00:34:12	Twilight	46.000	150	44Zet Per	2.8900	28000.	92	43743	No
9	GOM_TRA_1PNPDE20100713_003642_000000442091_00102_43743_6258.N1	13-JUL-2010 00:36:42	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43743	No
10	GOM_TRA_1PNPDE20100713_004416_000000542091_00102_43743_6259.N1	13-JUL-2010 00:44:16	Dark	53.500	94	92Alp Cet	2.5260	3100.0	107	43743	No

11	GOM_TRA_1PNPDE20100713_004730_000000412091_00102_43743_6260.N1	13-JUL-2010 00:47:30	Dark	40.500	165	34Gam Eri	2.9500	3200.0	81	43743	No
12	GOM_TRA_1PNPDE20100713_010233_000000412091_00103_43744_6271.N1	13-JUL-2010 01:02:33	Dark	40.500	9	Alp Eri	0.45300	24000.	81	43744	No
13	GOM_TRA_1PNPDE20100713_010506_000000512091_00103_43744_6272.N1	13-JUL-2010 01:05:06	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	43744	No
14	GOM_TRA_1PNPDE20100713_011107_000000612091_00103_43744_6273.N1	13-JUL-2010 01:11:07	Straylight	61.000	63	Bet Gru	2.1500	2800.0	122	43744	No
15	GOM_TRA_1PNPDE20100713_011248_000000492091_00103_43744_6274.N1	13-JUL-2010 01:12:48	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	43744	No
16	GOM_TRA_1PNPDE20100713_011600_000000532091_00103_43744_6275.N1	13-JUL-2010 01:16:00	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	43744	No
17	GOM_TRA_1PNPDE20100713_012304_000000422091_00103_43744_6276.N1	13-JUL-2010 01:23:04	Bright	41.500	103	38Zet Sgr	2.6000	9700.0	83	43744	No
18	GOM_TRA_1PNPDE20100713_012536_000000412091_00103_43744_6277.N1	13-JUL-2010 01:25:36	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43744	No
19	GOM_TRA_1PNPDE20100713_013632_000000422091_00103_43744_6278.N1	13-JUL-2010 01:36:32	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	43744	No
20	GOM_TRA_1PNPDE20100713_014336_000000432091_00103_43744_6279.N1	13-JUL-2010 01:43:36	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	43744	No
21	GOM_TRA_1PNPDE20100713_014650_000000382091_00103_43744_6280.N1	13-JUL-2010 01:46:50	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	43744	No
22	GOM_TRA_1PNPDE20100713_015419_000000422091_00103_43744_6281.N1	13-JUL-2010 01:54:19	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	43744	No
23	GOM_TRA_1PNPDE20100713_020305_000000492091_00103_43744_6282.N1	13-JUL-2010 02:03:05	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	43744	No
24	GOM_TRA_1PNPDE20100713_020751_000000412091_00103_43744_6283.N1	13-JUL-2010 02:07:51	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	43744	No
25	GOM_TRA_1PNPDE20100713_020909_000000422091_00103_43744_6284.N1	13-JUL-2010 02:09:09	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	43744	No
26	GOM_TRA_1PNPDE20100713_021202_000000462091_00103_43744_6285.N1	13-JUL-2010 02:12:02	Bright	45.500	79	26Bet Per	2.3100	13100.	91	43744	No
27	GOM_TRA_1PNPDE20100713_021448_000000432091_00103_43744_6286.N1	13-JUL-2010 02:14:48	Twilight	43.000	150	44Zet Per	2.8900	28000.	86	43744	No
28	GOM_TRA_1PNPDE20100713_021718_000000462091_00103_43744_6287.N1	13-JUL-2010 02:17:18	Twilight	45.500	146	25Eta Tau	2.8730	15200.	91	43744	No
29	GOM_TRA_1PNPDE20100713_022453_000000532091_00103_43744_6300.N1	13-JUL-2010 02:24:53	Dark	52.500	94	92Alp Cet	2.5260	3100.0	105	43744	No
30	GOM_TRA_1PNPDE20100713_022807_000000412091_00103_43744_6301.N1	13-JUL-2010 02:28:07	Dark	40.500	165	34Gam Eri	2.9500	3200.0	81	43744	No
31	GOM_TRA_1PNPDE20100713_023659_000000402091_00103_43744_6302.N1	13-JUL-2010 02:36:59	Dark	40.000	157	The1Eri	2.9060	9300.0	80	43744	No
32	GOM_TRA_1PNPDE20100713_024309_000000452091_00104_43745_6303.N1	13-JUL-2010 02:43:09	Dark	45.000	9	Alp Eri	0.45300	24000.	90	43745	No
33	GOM_TRA_1PNPDE20100713_024543_000000542091_00104_43745_6304.N1	13-JUL-2010 02:45:43	Dark	54.000	84	Alp Phe	2.3970	4500.0	108	43745	No
34	GOM_TRA_1PNPDE20100713_025144_000000662091_00104_43745_6305.N1	13-JUL-2010 02:51:44	Straylight	65.500	63	Bet Gru	2.1500	2800.0	131	43745	No
35	GOM_TRA_1PNPDE20100713_025325_000000532091_00104_43745_6306.N1	13-JUL-2010 02:53:25	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	43745	No
36	GOM_TRA_1PNPDE20100713_025636_000000542091_00104_43745_6307.N1	13-JUL-2010 02:56:36	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	43745	No
37	GOM_TRA_1PNPDE20100713_030340_000000432091_00104_43745_6308.N1	13-JUL-2010 03:03:40	Bright	43.000	103	38Zet Sgr	2.6000	9700.0	86	43745	No
38	GOM_TRA_1PNPDE20100713_030612_000000412091_00104_43745_6309.N1	13-JUL-2010 03:06:12	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43745	No
39	GOM_TRA_1PNPDE20100713_031708_000000412091_00104_43745_6310.N1	13-JUL-2010 03:17:08	Bright	40.500	168	17Zet Aql	2.9860	11000.	81	43745	No
40	GOM_TRA_1PNPDE20100713_032412_000000382091_00104_43745_6311.N1	13-JUL-2010 03:24:12	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	43745	No
41	GOM_TRA_1PNPDE20100713_032727_000000362091_00104_43745_6312.N1	13-JUL-2010 03:27:27	Bright	36.000	69	33Gam Dra	2.2310	3800.0	72	43745	No
42	GOM_TRA_1PNPDE20100713_033455_000000452091_00104_43745_6313.N1	13-JUL-2010 03:34:55	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43745	No
43	GOM_TRA_1PNPDE20100713_034341_000000472091_00104_43745_6314.N1	13-JUL-2010 03:43:41	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	43745	No
44	GOM_TRA_1PNPDE20100713_034827_000000462091_00104_43745_6315.N1	13-JUL-2010 03:48:27	Bright	46.000	160	23Gam Per	2.9300	4700.0	92	43745	No
45	GOM_TRA_1PNPDE20100713_034944_000000422091_00104_43745_6316.N1	13-JUL-2010 03:49:44	Bright	41.500	35	33Alp Per	1.7950	6250.0	83	43745	No
46	GOM_TRA_1PNPDE20100713_035238_000000462091_00104_43745_6317.N1	13-JUL-2010 03:52:38	Bright	45.500	79	26Bet Per	2.3100	13100.	91	43745	No
47	GOM_TRA_1PNPDE20100713_035524_000000432091_00104_43745_6318.N1	13-JUL-2010 03:55:24	Twilight	42.500	150	44Zet Per	2.8900	28000.	85	43745	No
48	GOM_TRA_1PNPDE20100713_035755_000000432091_00104_43745_6319.N1	13-JUL-2010 03:57:55	Twilight	43.000	146	25Eta Tau	2.8730	15200.	86	43745	No
49	GOM_TRA_1PNPDE20100713_040529_000000482091_00104_43745_6320.N1	13-JUL-2010 04:05:29	Dark	48.000	94	92Alp Cet	2.5260	3100.0	96	43745	No
50	GOM_TRA_1PNPDE20100713_040843_000000432091_00104_43745_6321.N1	13-JUL-2010 04:08:43	Dark	42.500	165	34Gam Eri	2.9500	3200.0	85	43745	No
51	GOM_TRA_1PNPDE20100713_041735_000000422091_00104_43745_6322.N1	13-JUL-2010 04:17:35	Dark	42.000	157	The1Eri	2.9060	9300.0	84	43745	No
52	GOM_TRA_1PNPDE20100713_042346_000000522091_00105_43746_6323.N1	13-JUL-2010 04:23:46	Dark	52.000	9	Alp Eri	0.45300	24000.	104	43746	No
53	GOM_TRA_1PNPDE20100713_042621_000000542091_00105_43746_6324.N1	13-JUL-2010 04:26:21	Dark	53.500	84	Alp Phe	2.3970	4500.0	107	43746	No
54	GOM_TRA_1PNPDE20100713_043221_000000522091_00105_43746_6325.N1	13-JUL-2010 04:32:21	Straylight	51.500	63	Bet Gru	2.1500	2800.0	103	43746	No
55	GOM_TRA_1PNPDE20100713_043402_000000492091_00105_43746_6326.N1	13-JUL-2010 04:34:02	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	43746	No
56	GOM_TRA_1PNPDE20100713_043713_000000512091_00105_43746_6327.N1	13-JUL-2010 04:37:13	Straylight	51.000	172	Gam Gru	3.0030	13100.	102	43746	No
57	GOM_TRA_1PNPDE20100713_044416_000000422091_00105_43746_6328.N1	13-JUL-2010 04:44:16	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	43746	No
58	GOM_TRA_1PNPDE20100713_044648_000000412091_00105_43746_6329.N1	13-JUL-2010 04:46:48	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43746	No
59	GOM_TRA_1PNPDE20100713_045744_000000422091_00105_43746_6330.N1	13-JUL-2010 04:57:44	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43746	No
60	GOM_TRA_1PNPDE20100713_050447_000000382091_00105_43746_6331.N1	13-JUL-2010 05:04:47	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	43746	No
61	GOM_TRA_1PNPDE20100713_050802_000000372091_00105_43746_6332.N1	13-JUL-2010 05:08:02	Bright	36.500	69	33Gam Dra	2.2310	3800.0	73	43746	No
62	GOM_TRA_1PNPDE20100713_051530_000000442091_00105_43746_6333.N1	13-JUL-2010 05:15:30	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43746	No
63	GOM_TRA_1PNPDE20100713_052417_000000472091_00105_43746_6345.N1	13-JUL-2010 05:24:17	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	43746	No
64	GOM_TRA_1PNPDE20100713_052903_000000512091_00105_43746_6346.N1	13-JUL-2010 05:29:03	Bright	51.000	160	23Gam Per	2.9300	4700.0	102	43746	No
65	GOM_TRA_1PNPDE20100713_053021_000000412091_00105_43746_6347.N1	13-JUL-2010 05:30:21	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	43746	No
66	GOM_TRA_1PNPDE20100713_053314_000000452091_00105_43746_6348.N1	13-JUL-2010 05:33:14	Bright	45.000	79	26Bet Per	2.3100	13100.	90	43746	No
67	GOM_TRA_1PNPDE20100713_053600_000000432091_00105_43746_6349.N1	13-JUL-2010 05:36:00	Twilight	43.000	150	44Zet Per	2.8900	28000.	86	43746	No
68	GOM_TRA_1PNPDE20100713_053831_000000412091_00105_43746_6350.N1	13-JUL-2010 05:38:31	Twilight	41.000	146	25Eta Tau	2.8730	15200.	82	43746	No
69	GOM_TRA_1PNPDE20100713_054606_000000572091_00105_43746_6351.N1	13-JUL-2010 05:46:06	Dark	56.500	94	92Alp Cet	2.5260	3100.0	113	43746	No

70	GOM_TRA_1PNPDE20100713_054919_000000452091_00105_43746_6352.N1	13-JUL-2010 05:49:19	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	43746	No
71	GOM_TRA_1PNPDE20100713_055812_000000432091_00105_43746_6353.N1	13-JUL-2010 05:58:12	Dark	43.000	157	The1Eri	2.9060	9300.0	86	43746	No
72	GOM_TRA_1PNPDE20100713_060423_000000492091_00106_43747_6354.N1	13-JUL-2010 06:04:23	Dark	48.500	9	Alp Eri	0.45300	24000.	97	43747	No
73	GOM_TRA_1PNPDE20100713_060658_000000512091_00106_43747_6355.N1	13-JUL-2010 06:06:58	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	43747	No
74	GOM_TRA_1PNPDE20100713_061258_000000522091_00106_43747_6356.N1	13-JUL-2010 06:12:58	Straylight	51.500	63	Bet Gru	2.1500	2800.0	103	43747	No
75	GOM_TRA_1PNPDE20100713_061438_000000512091_00106_43747_6357.N1	13-JUL-2010 06:14:38	Straylight	51.000	31	Alp Gru	1.7340	15200.	102	43747	No
76	GOM_TRA_1PNPDE20100713_061750_000000512091_00106_43747_6358.N1	13-JUL-2010 06:17:50	Straylight	51.000	172	Gam Gru	3.0030	13100.	102	43747	No
77	GOM_TRA_1PNPDE20100713_062453_000000442091_00106_43747_6359.N1	13-JUL-2010 06:24:53	Bright	43.500	103	38Zet Sgr	2.6000	9700.0	87	43747	No
78	GOM_TRA_1PNPDE20100713_062724_000000422091_00106_43747_6360.N1	13-JUL-2010 06:27:24	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43747	No
79	GOM_TRA_1PNPDE20100713_063820_000000422091_00106_43747_6361.N1	13-JUL-2010 06:38:20	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43747	No
80	GOM_TRA_1PNPDE20100713_064523_000000432091_00106_43747_6362.N1	13-JUL-2010 06:45:23	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	43747	No
81	GOM_TRA_1PNPDE20100713_064838_000000382091_00106_43747_6363.N1	13-JUL-2010 06:48:38	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	43747	No
82	GOM_TRA_1PNPDE20100713_065606_000000412091_00106_43747_6364.N1	13-JUL-2010 06:56:06	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43747	No
83	GOM_TRA_1PNPDE20100713_194244_000000522091_00114_43755_6465.N1	13-JUL-2010 19:42:44	Straylight	51.500	172	Gam Gru	3.0030	13100.	103	43755	No
84	GOM_TRA_1PNPDE20100713_194941_000000422091_00114_43755_6466.N1	13-JUL-2010 19:49:41	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	43755	No
85	GOM_TRA_1PNPDE20100713_195213_000000412091_00114_43755_6467.N1	13-JUL-2010 19:52:13	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43755	No
86	GOM_TRA_1PNPDE20100713_200305_000000592091_00114_43755_6468.N1	13-JUL-2010 20:03:05	Bright	59.000	168	17Zet Aql	2.9860	11000.	118	43755	No
87	GOM_TRA_1PNPDE20100713_201009_000000392091_00114_43755_6469.N1	13-JUL-2010 20:10:09	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	43755	No
88	GOM_TRA_1PNPDE20100713_201325_000000402091_00114_43755_6470.N1	13-JUL-2010 20:13:25	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	43755	No
89	GOM_TRA_1PNPDE20100713_202048_000000462091_00114_43755_6471.N1	13-JUL-2010 20:20:48	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43755	No
90	GOM_TRA_1PNPDE20100713_202936_000000492091_00114_43755_6472.N1	13-JUL-2010 20:29:36	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	43755	No
91	GOM_TRA_1PNPDE20100713_203425_000000422091_00114_43755_6473.N1	13-JUL-2010 20:34:25	Bright	41.500	160	23Gam Per	2.9300	4700.0	83	43755	No
92	GOM_TRA_1PNPDE20100713_203543_000000432091_00114_43755_6474.N1	13-JUL-2010 20:35:43	Bright	42.500	35	33Alp Per	1.7950	6250.0	85	43755	No
93	GOM_TRA_1PNPDE20100713_203837_000000482091_00114_43755_6475.N1	13-JUL-2010 20:38:37	Bright	47.500	79	26Bet Per	2.3100	13100.	95	43755	No
94	GOM_TRA_1PNPDE20100713_204125_000000442091_00114_43755_6476.N1	13-JUL-2010 20:41:25	Twilight	43.500	150	44Zet Per	2.8900	28000.	87	43755	No
95	GOM_TRA_1PNPDE20100713_204356_000000442091_00114_43755_6477.N1	13-JUL-2010 20:43:56	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	43755	No
96	GOM_TRA_1PNPDE20100713_205136_000000592091_00114_43755_6497.N1	13-JUL-2010 20:51:36	Dark	58.500	94	92Alp Cet	2.5260	3100.0	117	43755	No
97	GOM_TRA_1PNPDE20100713_205447_000000452091_00114_43755_6498.N1	13-JUL-2010 20:54:47	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	43755	No
98	GOM_TRA_1PNPDE20100713_210341_000000402091_00114_43755_6499.N1	13-JUL-2010 21:03:41	Dark	40.000	157	The1Eri	2.9060	9300.0	80	43755	No
99	GOM_TRA_1PNPDE20100713_210952_000000422091_00115_43756_6500.N1	13-JUL-2010 21:09:52	Dark	41.500	9	Alp Eri	0.45300	24000.	83	43756	No
100	GOM_TRA_1PNPDE20100713_211231_000000512091_00115_43756_6501.N1	13-JUL-2010 21:12:31	Dark	51.000	84	Alp Phe	2.3970	4500.0	102	43756	No
101	GOM_TRA_1PNPDE20100713_211829_000000632091_00115_43756_6502.N1	13-JUL-2010 21:18:29	Straylight	62.500	63	Bet Gru	2.1500	2800.0	125	43756	No
102	GOM_TRA_1PNPDE20100713_212008_000000572091_00115_43756_6503.N1	13-JUL-2010 21:20:08	Straylight	56.500	31	Alp Gru	1.7340	15200.	113	43756	No
103	GOM_TRA_1PNPDE20100713_212320_000000532091_00115_43756_6504.N1	13-JUL-2010 21:23:20	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	43756	No
104	GOM_TRA_1PNPDE20100713_213018_000000402091_00115_43756_6505.N1	13-JUL-2010 21:30:18	Bright	39.500	103	38Zet Sgr	2.6000	9700.0	79	43756	No
105	GOM_TRA_1PNPDE20100713_213249_000000412091_00115_43756_6506.N1	13-JUL-2010 21:32:49	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43756	No
106	GOM_TRA_1PNPDE20100713_214341_000000402091_00115_43756_6507.N1	13-JUL-2010 21:43:41	Bright	39.500	168	17Zet Aql	2.9860	11000.	79	43756	No
107	GOM_TRA_1PNPDE20100713_215045_000000362091_00115_43756_6508.N1	13-JUL-2010 21:50:45	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	43756	No
108	GOM_TRA_1PNPDE20100713_215401_000000392091_00115_43756_6509.N1	13-JUL-2010 21:54:01	Bright	39.000	69	33Gam Dra	2.2310	3800.0	78	43756	No
109	GOM_TRA_1PNPDE20100713_220123_000000462091_00115_43756_6510.N1	13-JUL-2010 22:01:23	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43756	No
110	GOM_TRA_1PNPDE20100713_221011_000000502091_00115_43756_6511.N1	13-JUL-2010 22:10:11	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	43756	No
111	GOM_TRA_1PNPDE20100713_221500_000000542091_00115_43756_6512.N1	13-JUL-2010 22:15:00	Bright	53.500	160	23Gam Per	2.9300	4700.0	107	43756	No
112	GOM_TRA_1PNPDE20100713_221619_000000422091_00115_43756_6513.N1	13-JUL-2010 22:16:19	Bright	41.500	35	33Alp Per	1.7950	6250.0	83	43756	No
113	GOM_TRA_1PNPDE20100713_221913_000000492091_00115_43756_6514.N1	13-JUL-2010 22:19:13	Bright	48.500	79	26Bet Per	2.3100	13100.	97	43756	No
114	GOM_TRA_1PNPDE20100713_222201_000000452091_00115_43756_6515.N1	13-JUL-2010 22:22:01	Twilight	45.000	150	44Zet Per	2.8900	28000.	90	43756	No
115	GOM_TRA_1PNPDE20100713_222432_000000442091_00115_43756_6516.N1	13-JUL-2010 22:24:32	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43756	No
116	GOM_TRA_1PNPDE20100713_223213_000000572091_00115_43756_6517.N1	13-JUL-2010 22:32:13	Dark	56.500	94	92Alp Cet	2.5260	3100.0	113	43756	No
117	GOM_TRA_1PNPDE20100713_223523_000000432091_00115_43756_6516.N1	13-JUL-2010 22:35:23	Dark	43.000	165	34Gam Eri	2.9500	3200.0	86	43756	Yes
118	GOM_TRA_1PNPDE20100713_224417_000000412091_00115_43756_6517.N1	13-JUL-2010 22:44:17	Dark	40.500	157	The1Eri	2.9060	9300.0	81	43756	No
119	GOM_TRA_1PNPDE20100713_225028_000000502091_00116_43757_6518.N1	13-JUL-2010 22:50:28	Dark	49.500	9	Alp Eri	0.45300	24000.	99	43757	No
120	GOM_TRA_1PNPDE20100713_225308_000000512091_00116_43757_6519.N1	13-JUL-2010 22:53:08	Dark	51.000	84	Alp Phe	2.3970	4500.0	102	43757	No
121	GOM_TRA_1PNPDE20100713_225906_000000582091_00116_43757_6520.N1	13-JUL-2010 22:59:06	Straylight	57.500	63	Bet Gru	2.1500	2800.0	115	43757	No
122	GOM_TRA_1PNPDE20100713_230045_000000562091_00116_43757_6521.N1	13-JUL-2010 23:00:45	Straylight	55.500	31	Alp Gru	1.7340	15200.	111	43757	No
123	GOM_TRA_1PNPDE20100713_230357_000000522091_00116_43757_6522.N1	13-JUL-2010 23:03:57	Straylight	52.000	172	Gam Gru	3.0030	13100.	104	43757	No
124	GOM_TRA_1PNPDE20100713_231054_000000442091_00116_43757_6523.N1	13-JUL-2010 23:10:54	Bright	43.500	103	38Zet Sgr	2.6000	9700.0	87	43757	No
125	GOM_TRA_1PNPDE20100713_231325_000000402091_00116_43757_6524.N1	13-JUL-2010 23:13:25	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	43757	No
126	GOM_TRA_1PNPDE20100713_232417_000000412091_00116_43757_6525.N1	13-JUL-2010 23:24:17	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	43757	No
127	GOM_TRA_1PNPDE20100713_233120_000000412091_00116_43757_6526.N1	13-JUL-2010 23:31:20	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43757	No
128	GOM_TRA_1PNPDE20100713_233437_000000402091_00116_43757_6527.N1	13-JUL-2010 23:34:37	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	43757	No

129	GOM_TRA_1PNPDE20100713_234159_000000422091_00116_43757_6528.N1	13-JUL-2010 23:41:59	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	43757	No
130	GOM_TRA_1PNPDE20100713_235046_000000482091_00116_43757_6529.N1	13-JUL-2010 23:50:46	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	43757	No
131	GOM_TRA_1PNPDE20100713_235536_000000432091_00116_43757_6530.N1	13-JUL-2010 23:55:36	Bright	42.500	160	23Gam Per	2.9300	4700.0	85	43757	No
132	GOM_TRA_1PNPDE20100713_235655_000000432091_00116_43757_6531.N1	13-JUL-2010 23:56:55	Bright	42.500	35	33Alp Per	1.7950	6250.0	85	43757	No
133	GOM_TRA_1PNPDE20100713_235949_000000502091_00116_43757_6532.N1	13-JUL-2010 23:59:49	Bright	50.000	79	26Bet Per	2.3100	13100.	100	43757	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).

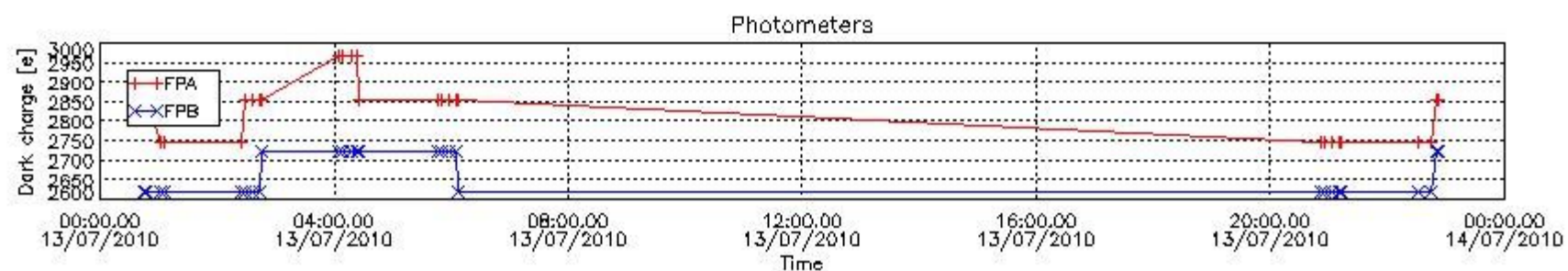
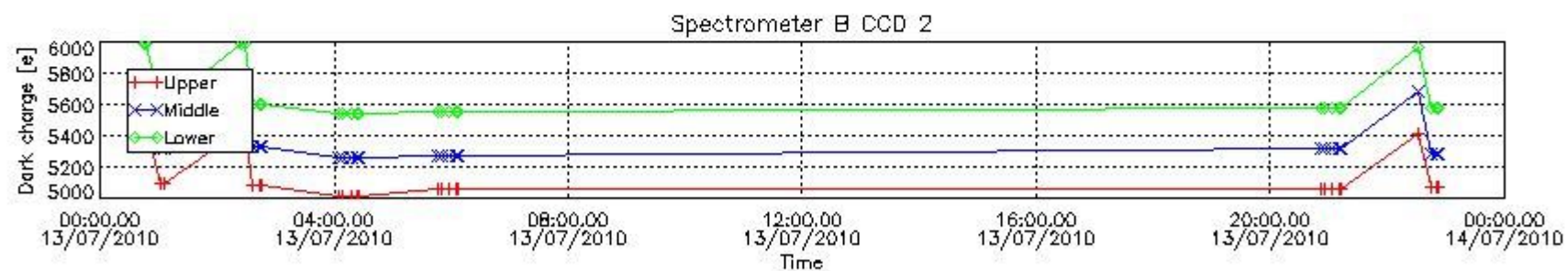
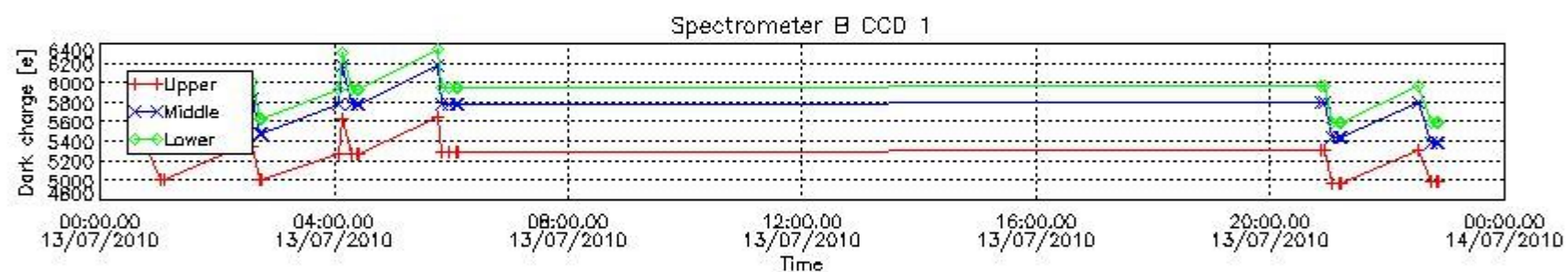
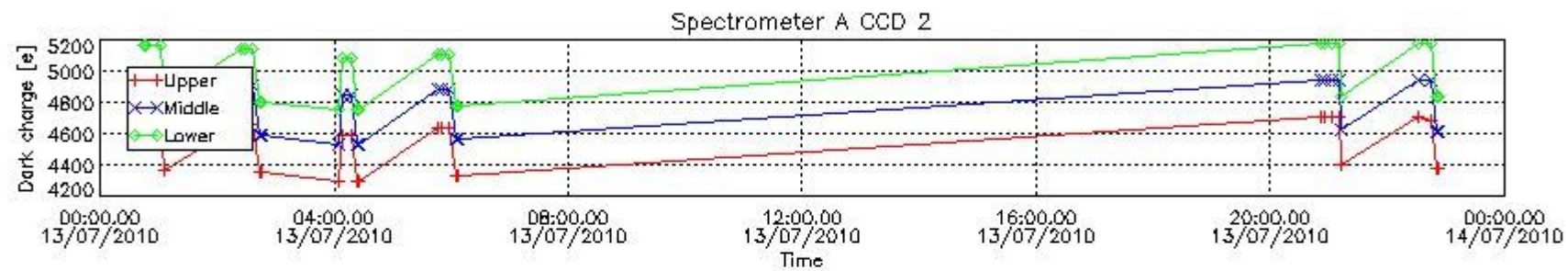
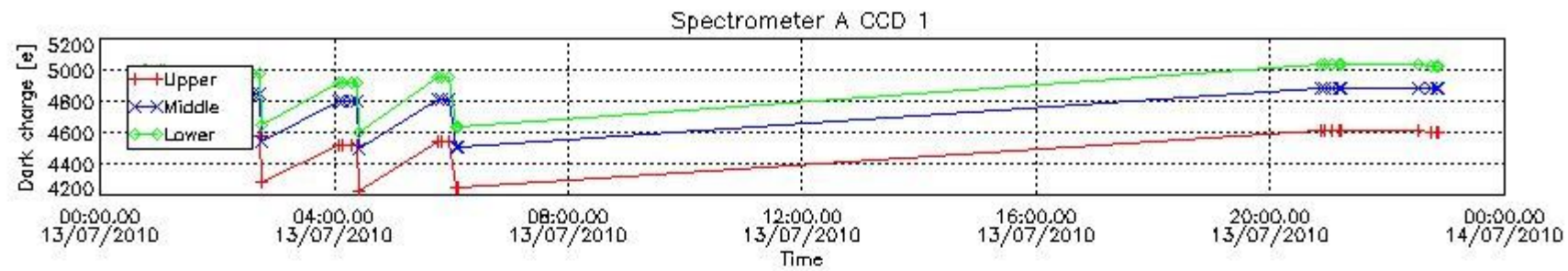
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100713_194244_000000522091_00114_43755_6465.N1	DC map used
GOM_TRA_1PNPDE20100713_194941_000000422091_00114_43755_6466.N1	DC map used
GOM_TRA_1PNPDE20100713_195213_000000412091_00114_43755_6467.N1	DC map used
GOM_TRA_1PNPDE20100713_200305_000000592091_00114_43755_6468.N1	DC map used
GOM_TRA_1PNPDE20100713_201009_000000392091_00114_43755_6469.N1	DC map used

GOM_TRA_1PNPDE20100713_201325_000000402091_00114_43755_6470.N1	DC map used
GOM_TRA_1PNPDE20100713_202048_000000462091_00114_43755_6471.N1	DC map used
GOM_TRA_1PNPDE20100713_202936_000000492091_00114_43755_6472.N1	DC map used
GOM_TRA_1PNPDE20100713_203425_000000422091_00114_43755_6473.N1	DC map used
GOM_TRA_1PNPDE20100713_203543_000000432091_00114_43755_6474.N1	DC map used
GOM_TRA_1PNPDE20100713_203837_000000482091_00114_43755_6475.N1	DC map used
GOM_TRA_1PNPDE20100713_204125_000000442091_00114_43755_6476.N1	DC map used
GOM_TRA_1PNPDE20100713_204356_000000442091_00114_43755_6477.N1	DC map used

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



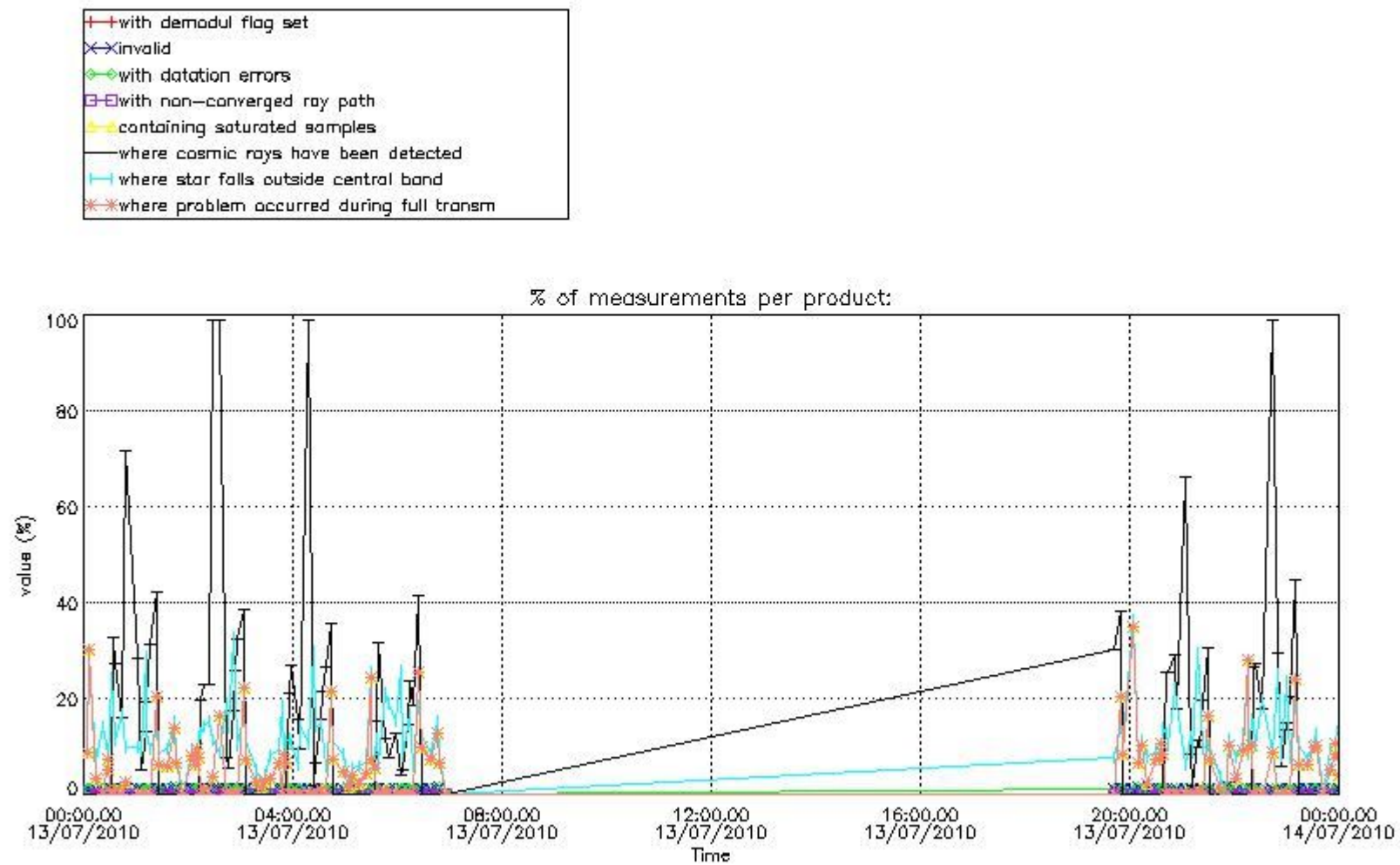
5. Demodulation flag and quality information monitoring

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.

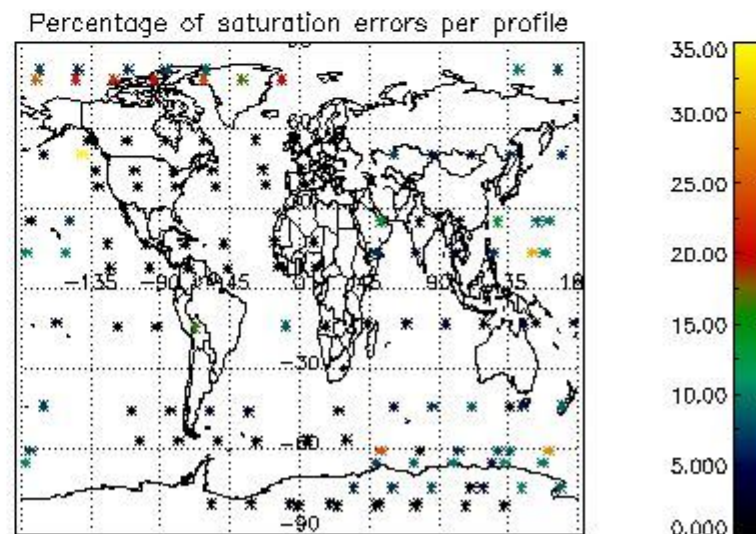
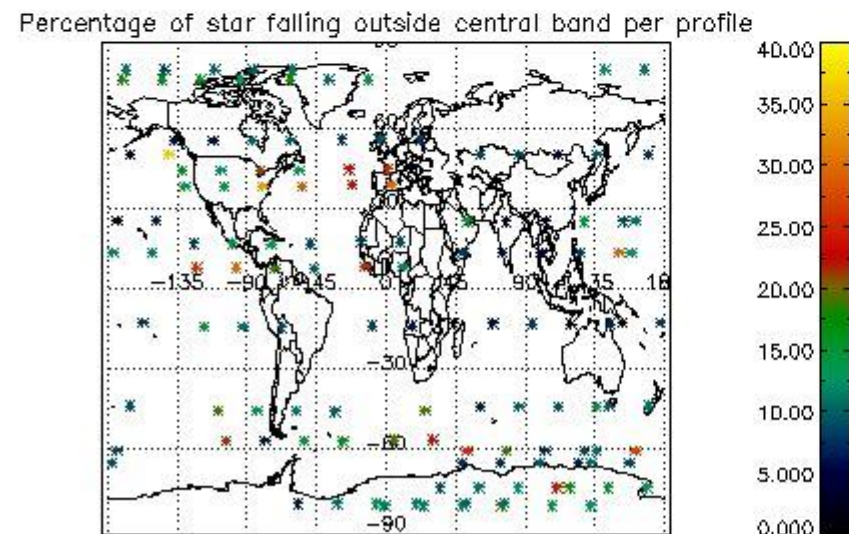
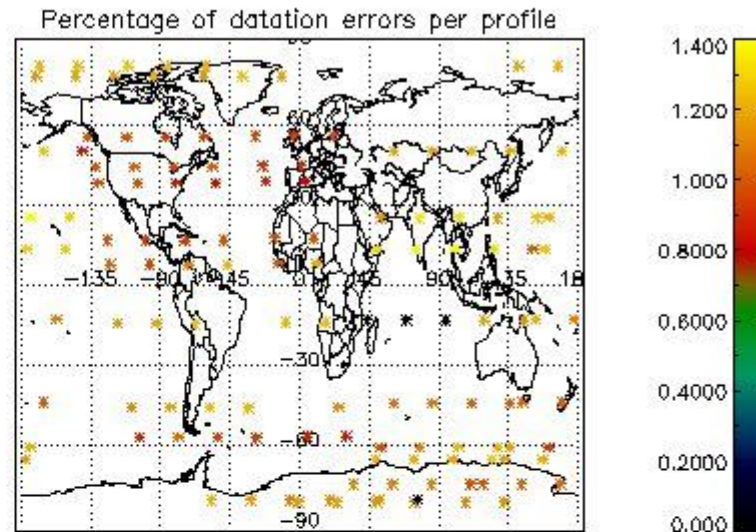
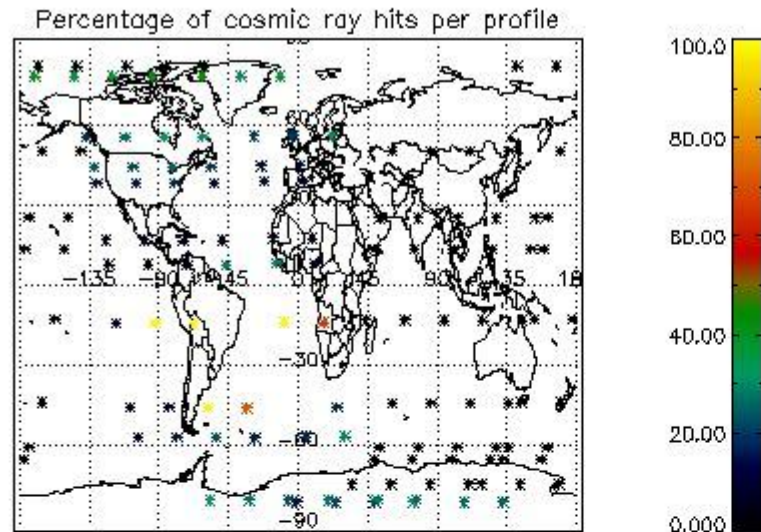
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	39.3939 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



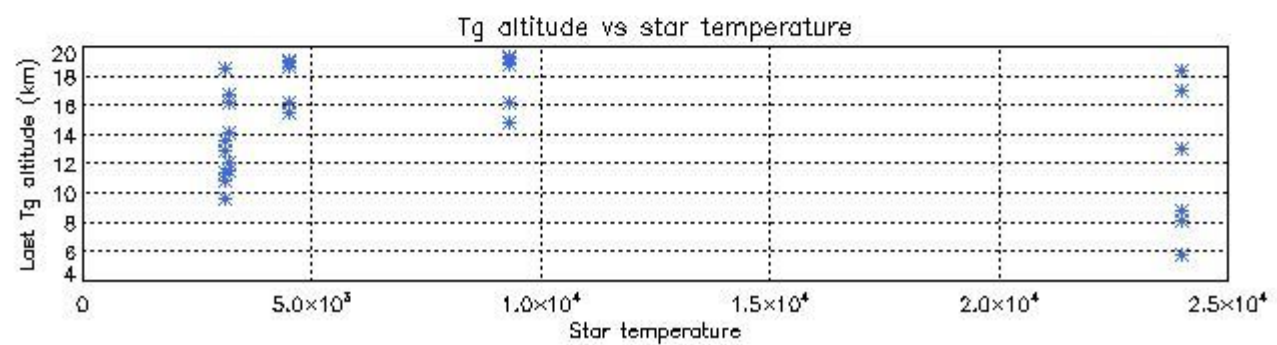
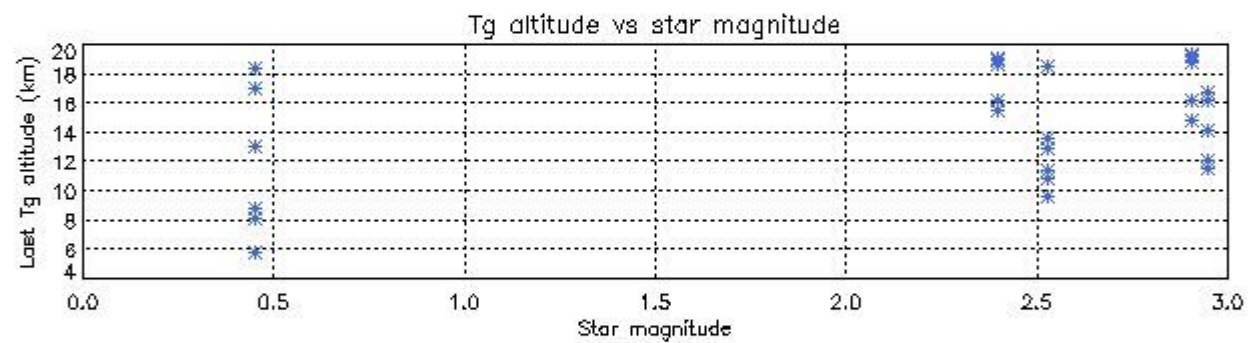
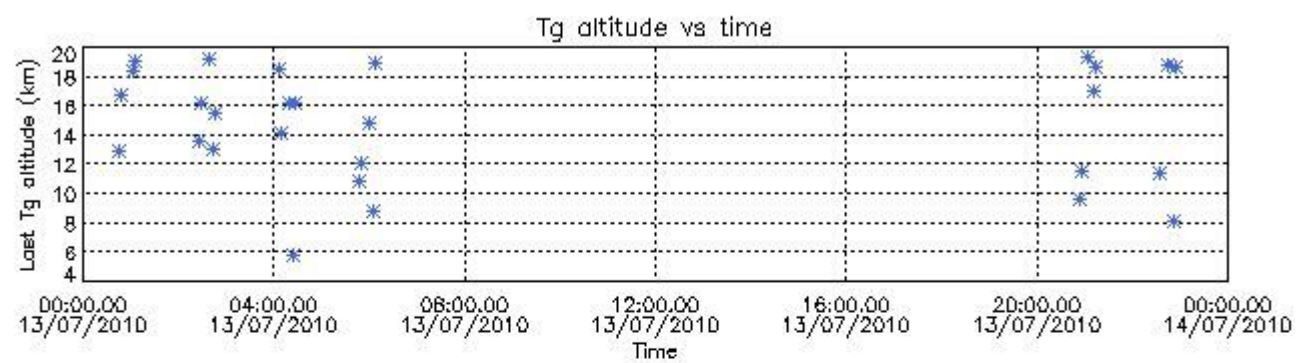
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.777	18.253	15.691
St. deviation:	3.8602	4.2762	1.9457
Maximum:	19.382	27.718	18.906
Minimum:	5.8094	4.3815	13.025
Number of data:	28.000	73.000	6.0000

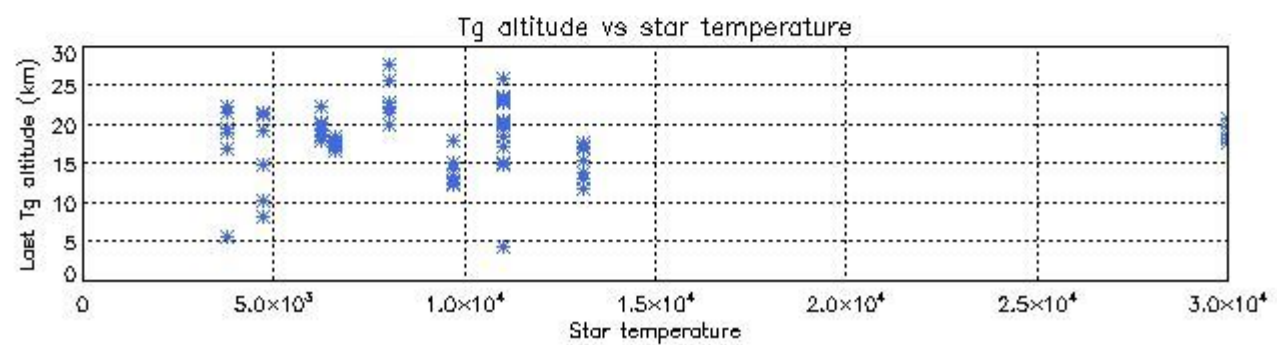
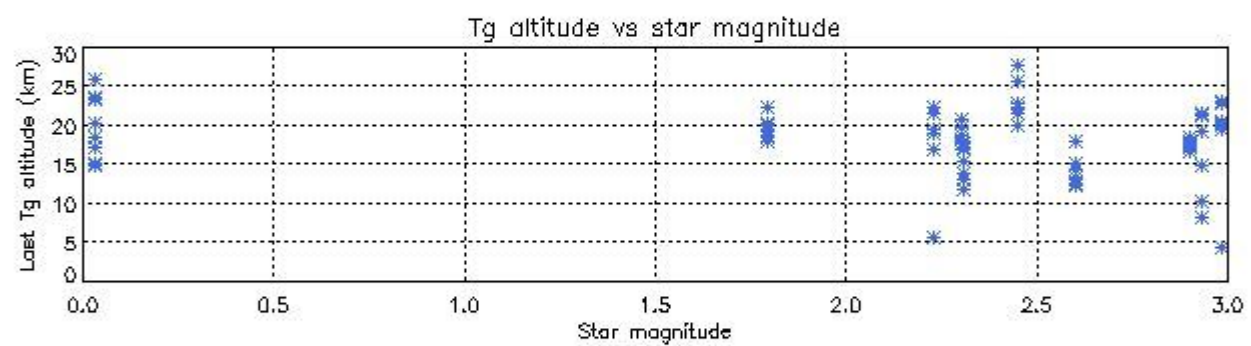
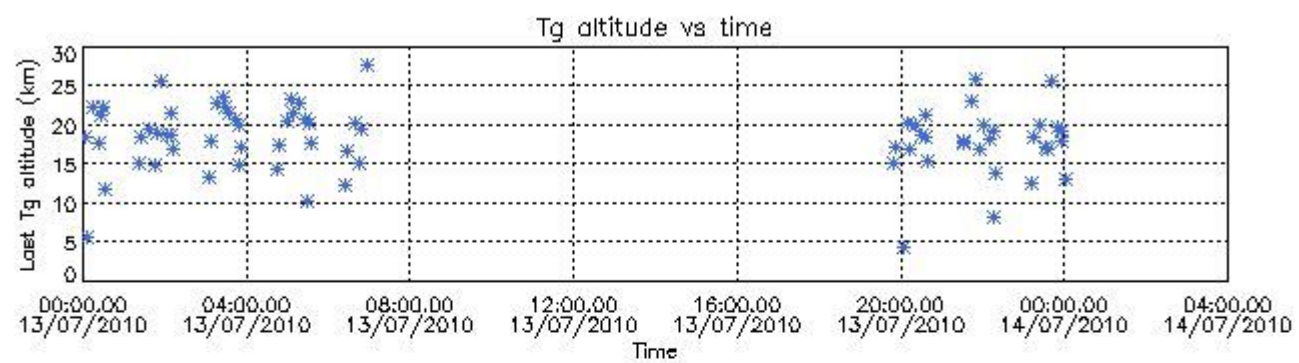
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



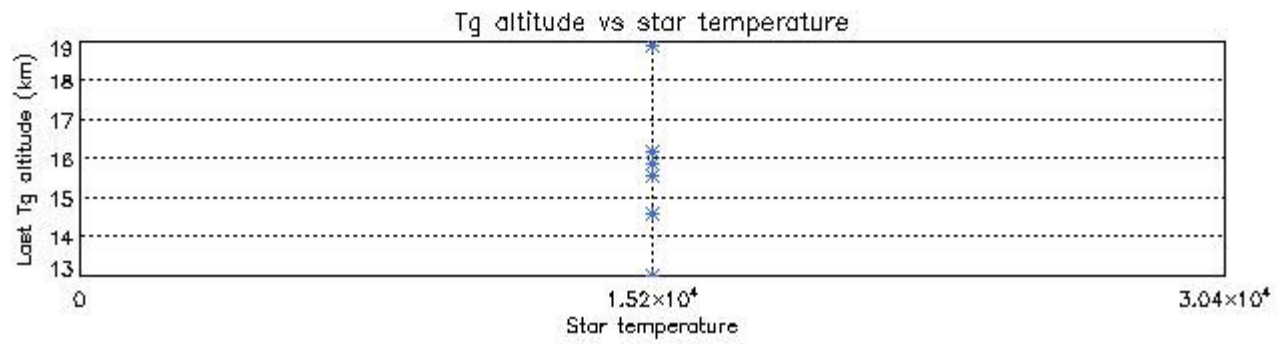
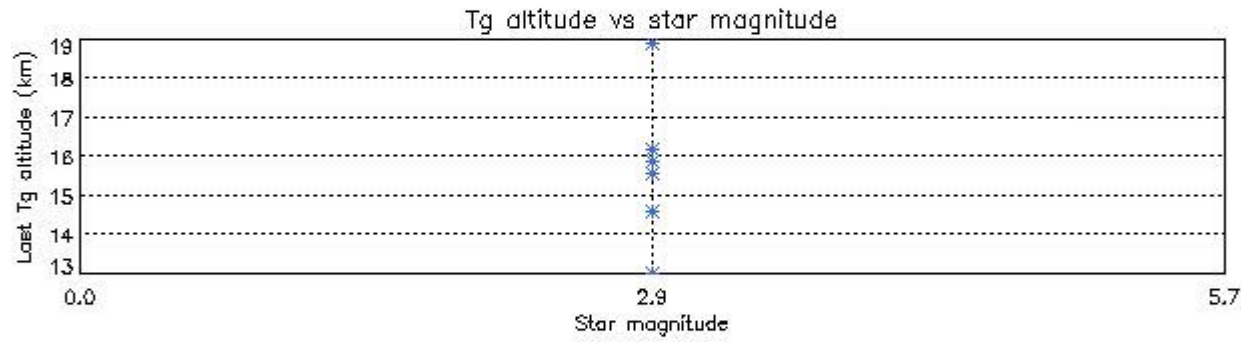
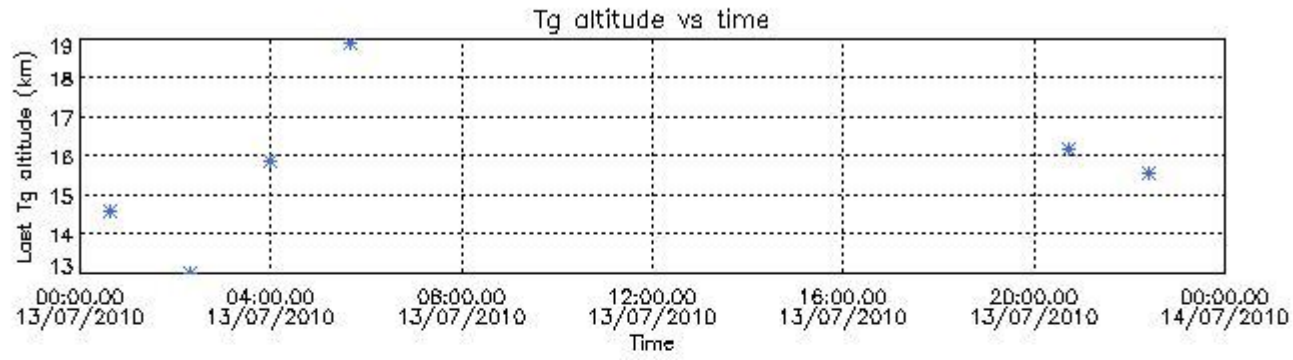
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

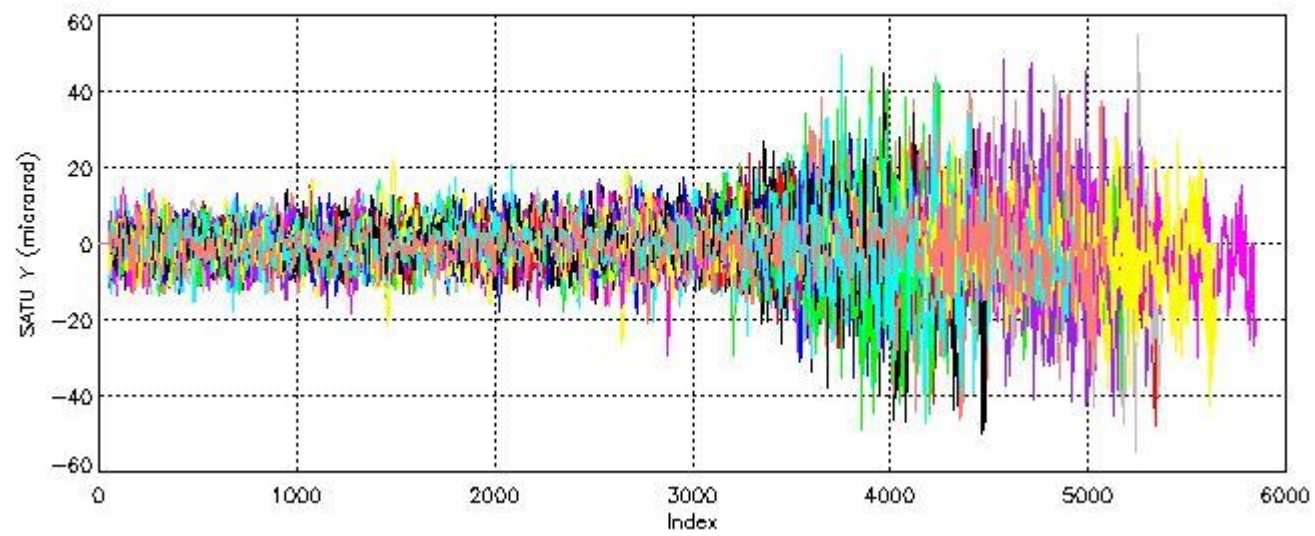
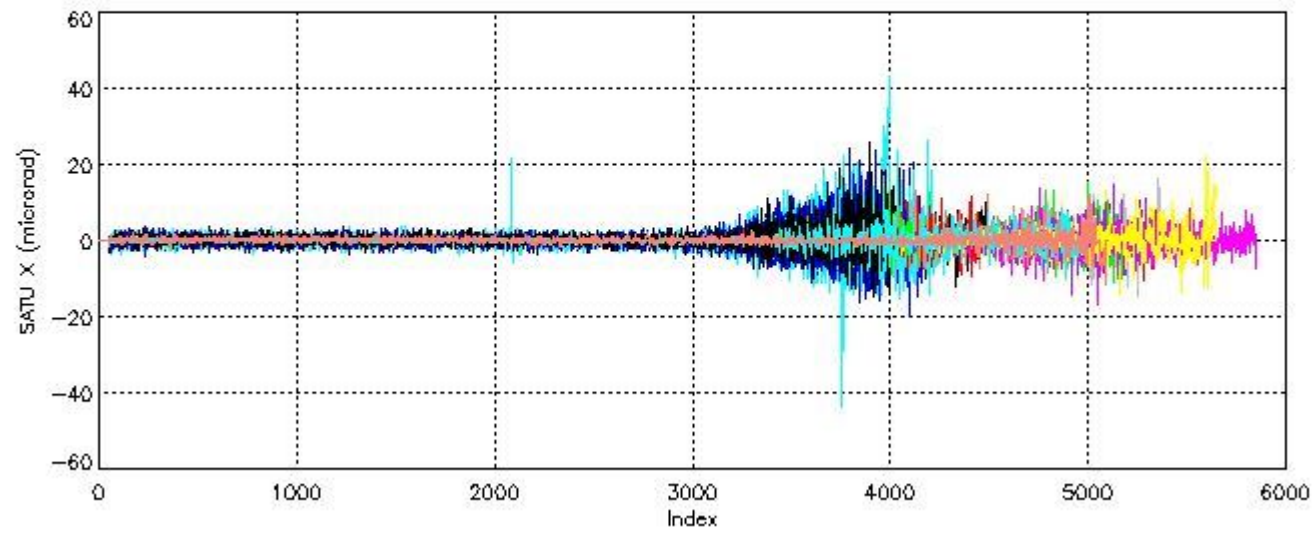


7. Star Acquisition and Tracking Unit (SATU)

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:	0.12406	-0.69245	0.18804	-0.53615
St. deviation:	0.48671	4.2196	0.78648	3.9482
Maximum:	3.6000	17.000	7.9000	19.700
Minimum:	-4.2000	-18.100	-5.3000	-17.300

Number of data:	28750.	28750.	71250.	71250.
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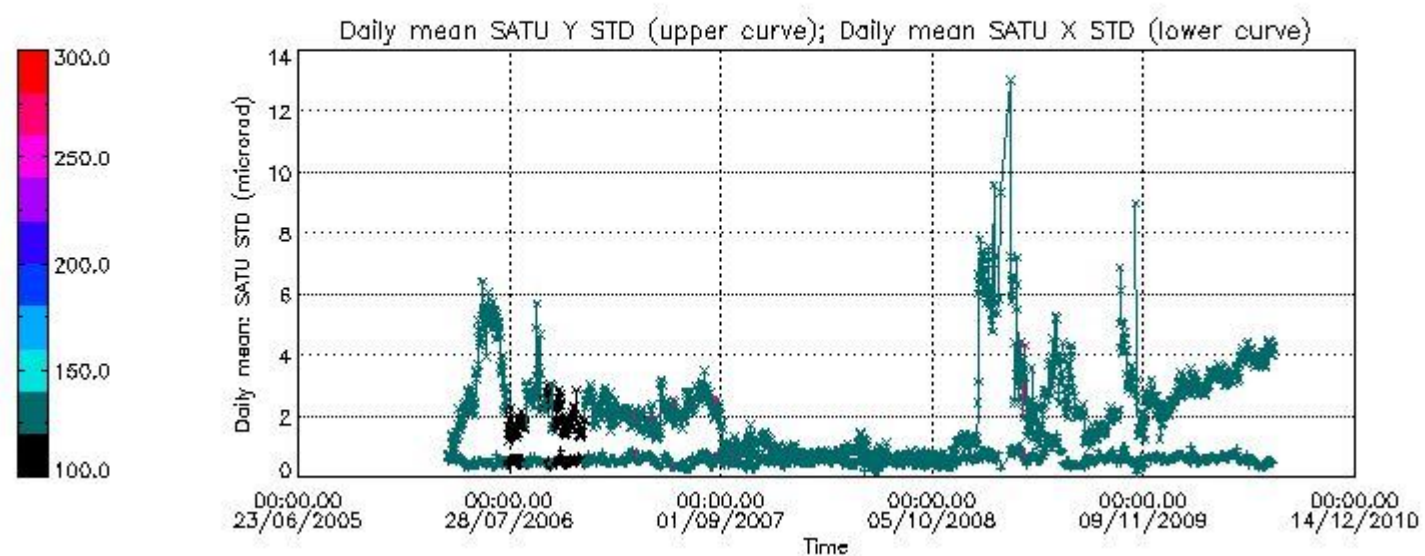
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

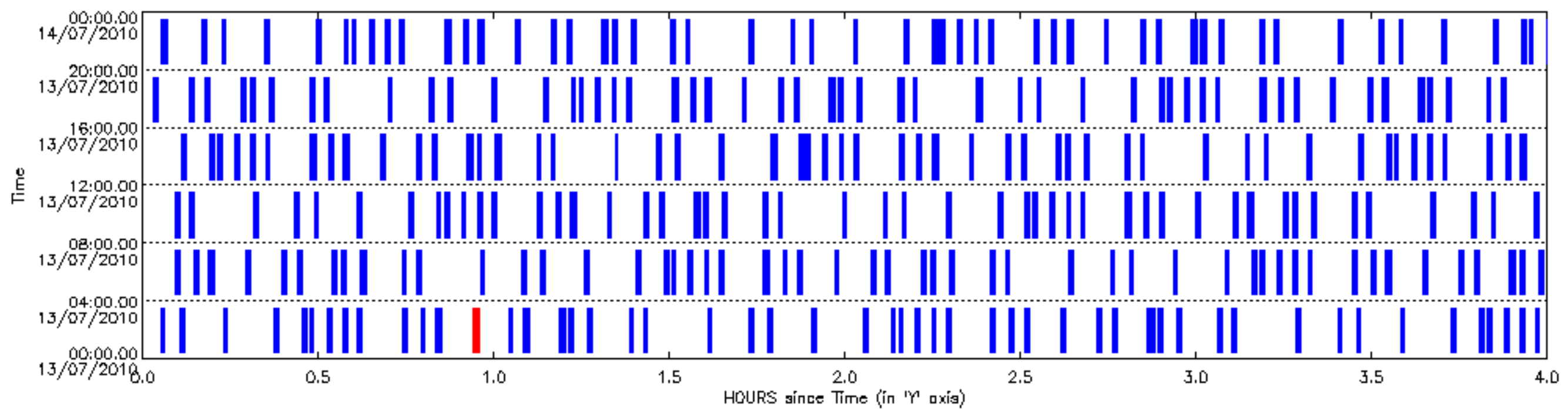
Lower curve: STD of SATU X axis

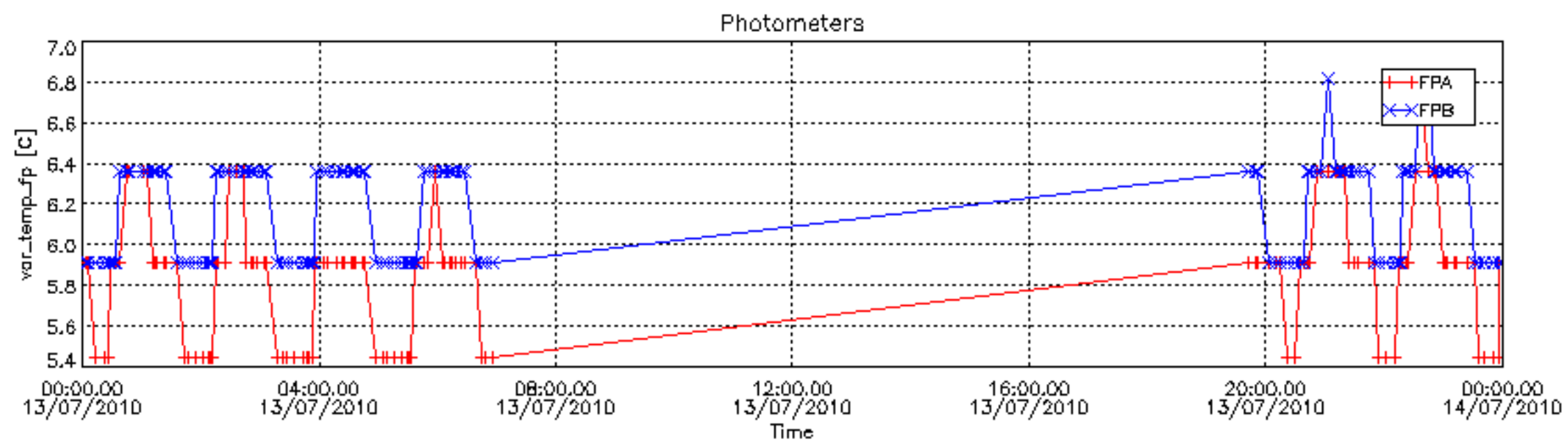
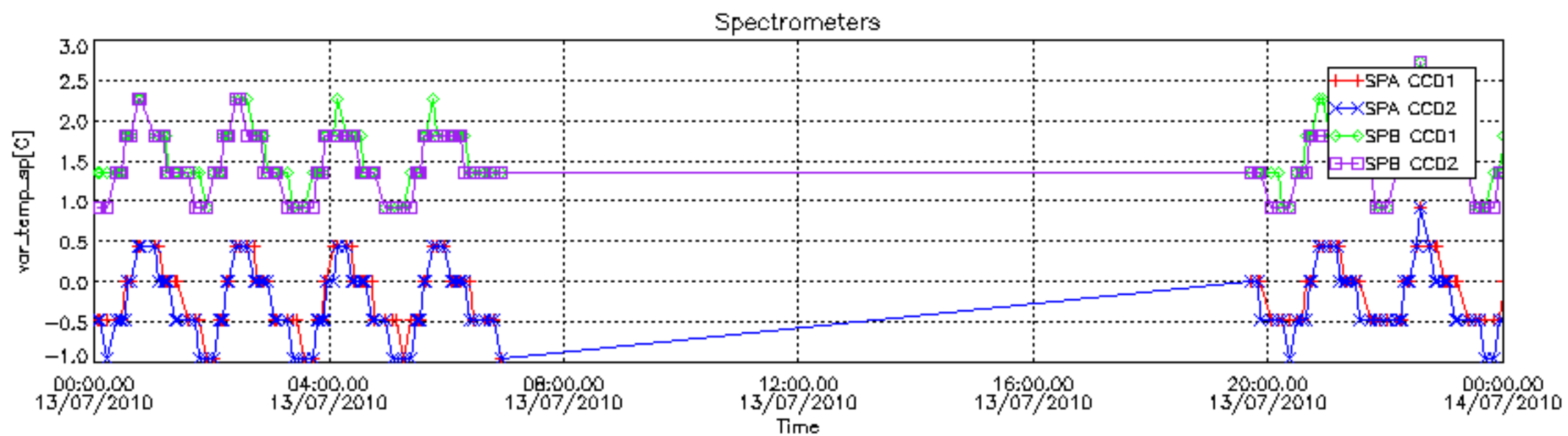


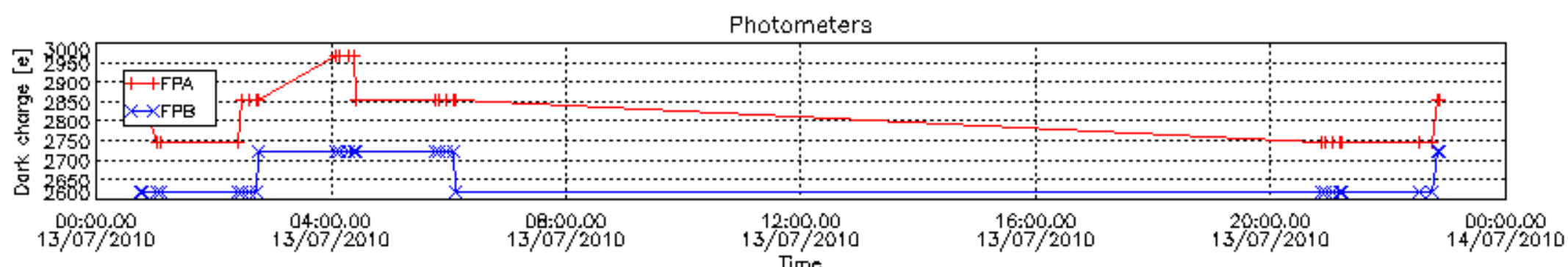
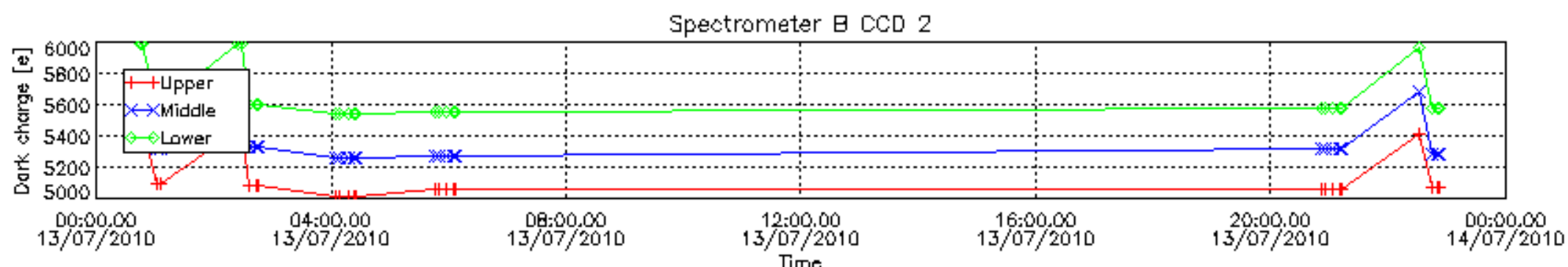
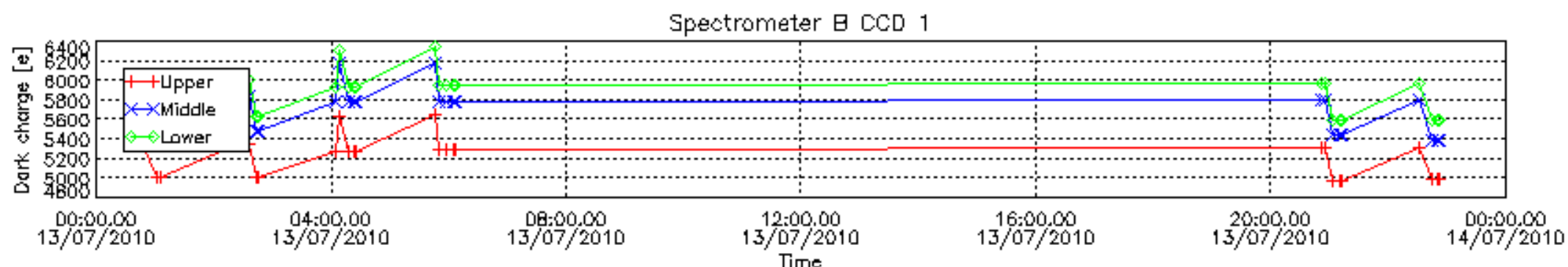
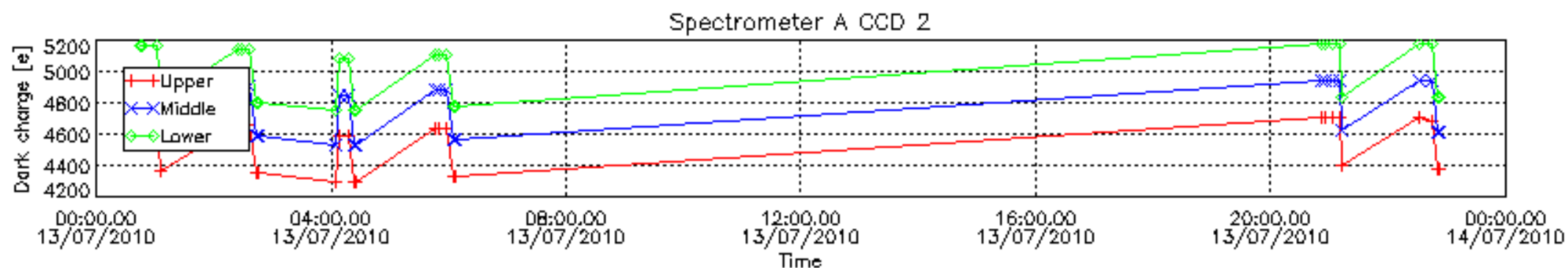
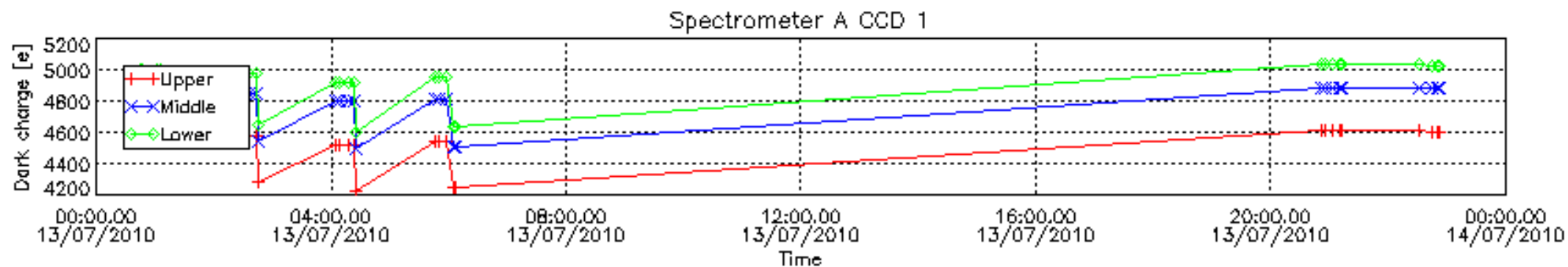
8. Auxiliary Data Files used for the production reported in section 2.4

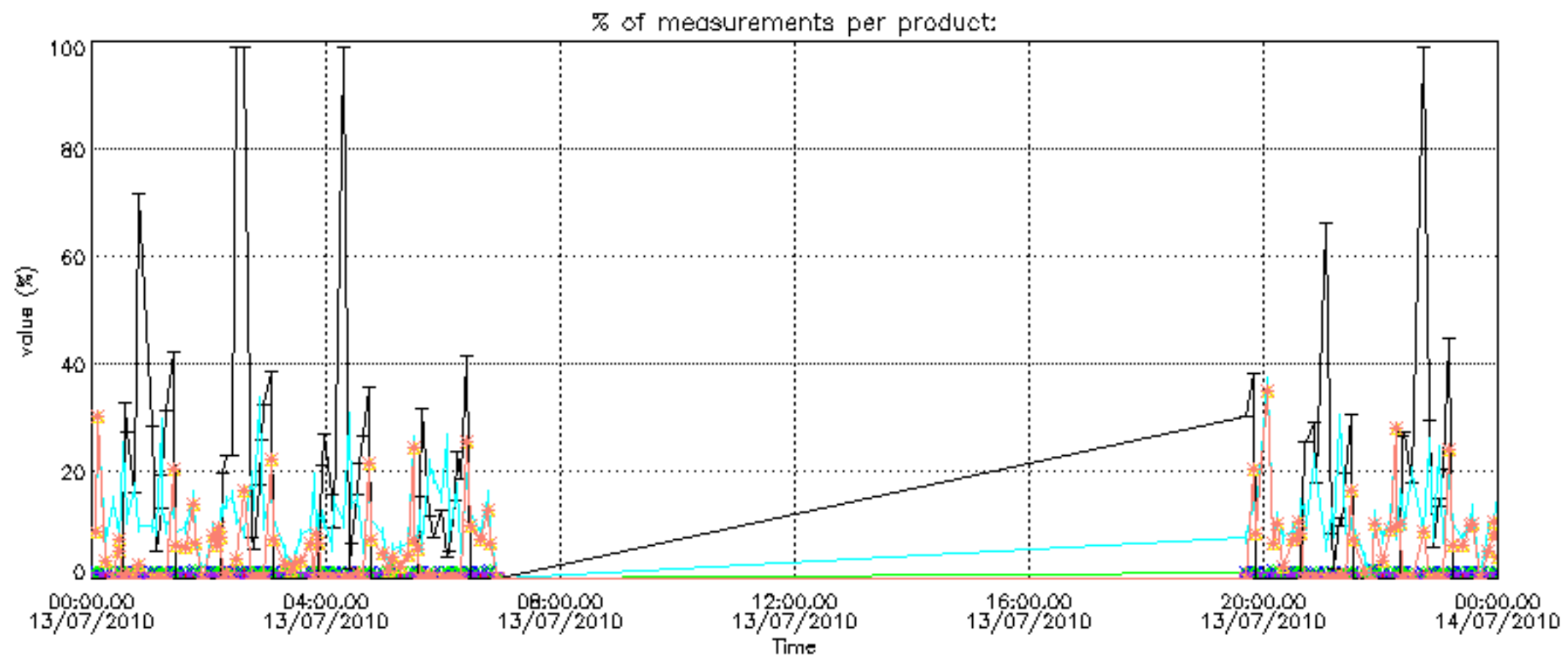
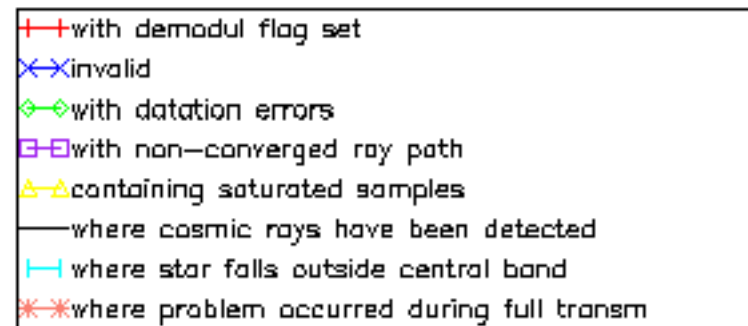
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	13-JUL-2010 00:03:01
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100706_092041_20100704_000000_20500101_000000	1	13-JUL-2010 00:03:01
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	13-JUL-2010 00:03:01
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	13-JUL-2010 00:03:01
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	13-JUL-2010 00:03:01
ECMWF_FILE	AUX_ECF_AXNECM20100712_054429_20100712_210000_20100713_090000	1	13-JUL-2010 00:03:01
ECMWF_FILE	AUX_ECF_AXNECM20100712_172432_20100713_030000_20100713_150000	43	13-JUL-2010 03:43:41
ECMWF_FILE	AUX_ECA_AXNECM20100713_053909_20100712_210000_20100713_090000	63	13-JUL-2010 05:24:17
ECMWF_FILE	AUX_ECF_AXNECM20100713_053910_20100713_150000_20100714_030000	83	13-JUL-2010 19:42:44
ECMWF_FILE	AUX_ECF_AXNECM20100713_055909_20100713_210000_20100714_090000	117	13-JUL-2010 22:35:23
OPTIONAL_ECMWF_FILE	MISSING	1	13-JUL-2010 00:03:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100712_230355_000057382091_00101_43742_0735.N1	1	13-JUL-2010 00:03:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100713_004452_000054192091_00102_43743_0736.N1	12	13-JUL-2010 01:02:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100713_022030_000041442091_00103_43744_0737.N1	29	13-JUL-2010 02:24:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100713_033453_000060572091_00104_43745_0738.N1	43	13-JUL-2010 03:43:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100713_052109_000057382091_00105_43746_0739.N1	63	13-JUL-2010 05:24:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100713_193634_000038252091_00114_43755_0740.N1	83	13-JUL-2010 19:42:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100713_204539_000060572091_00114_43755_0741.N1	96	13-JUL-2010 20:51:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100713_223154_000060572091_00115_43756_0742.N1	117	13-JUL-2010 22:35:23

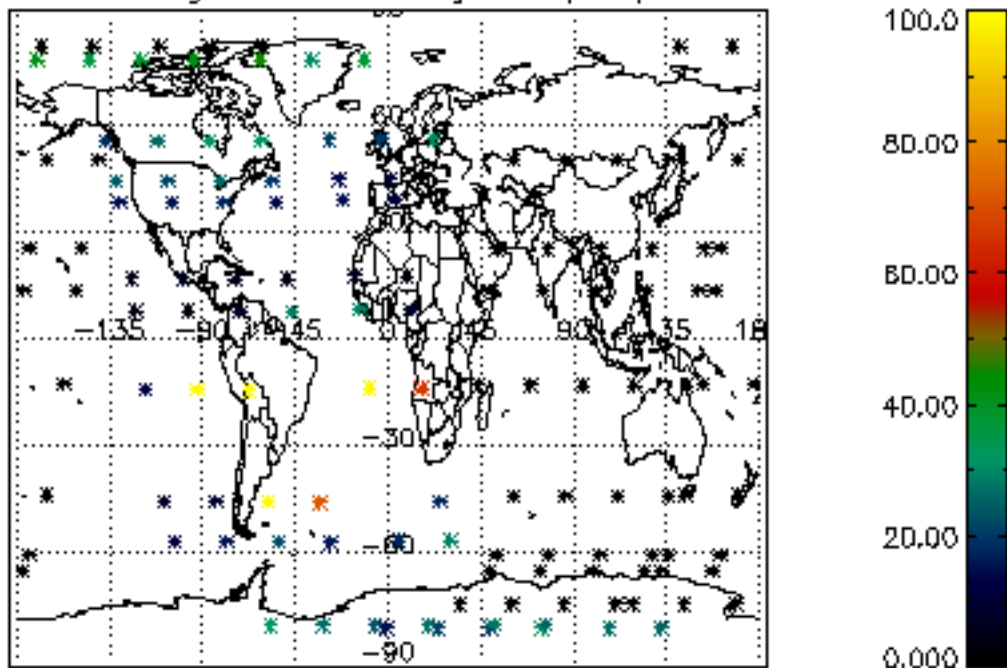




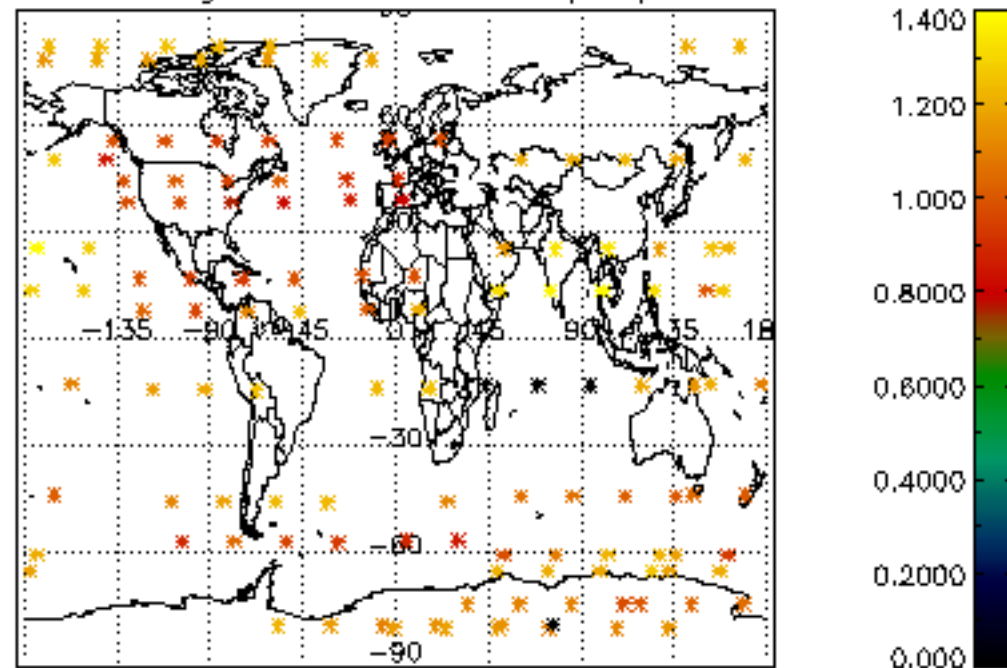




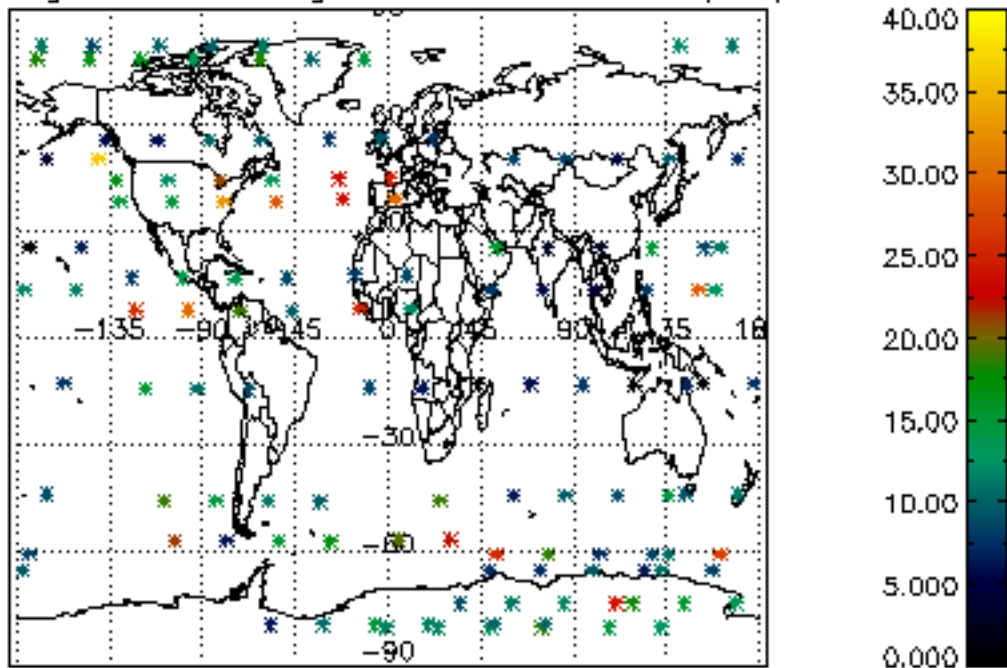
Percentage of cosmic ray hits per profile



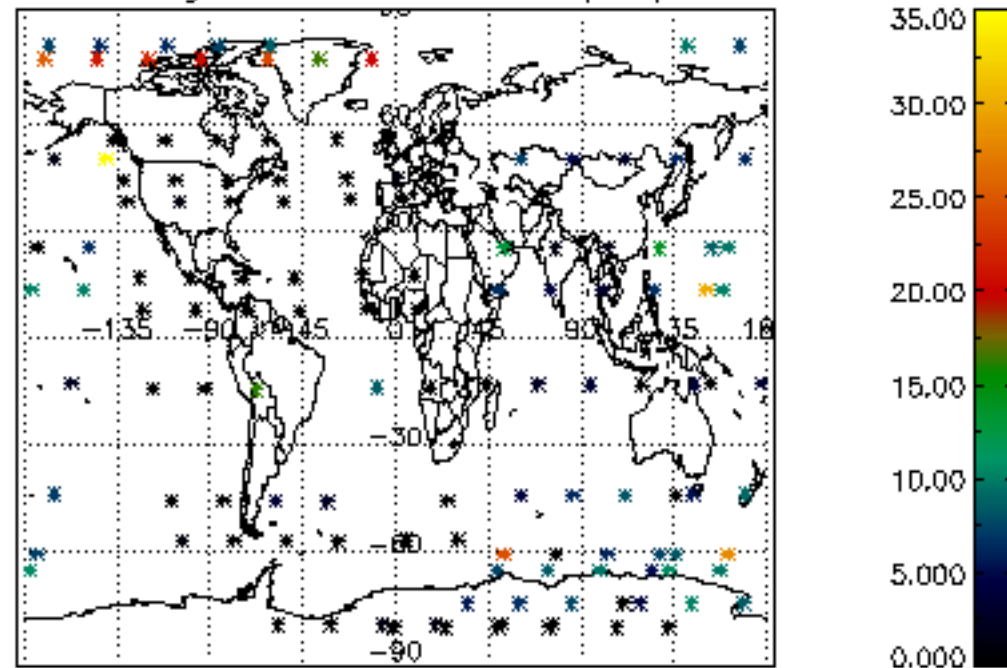
Percentage of datation errors per profile



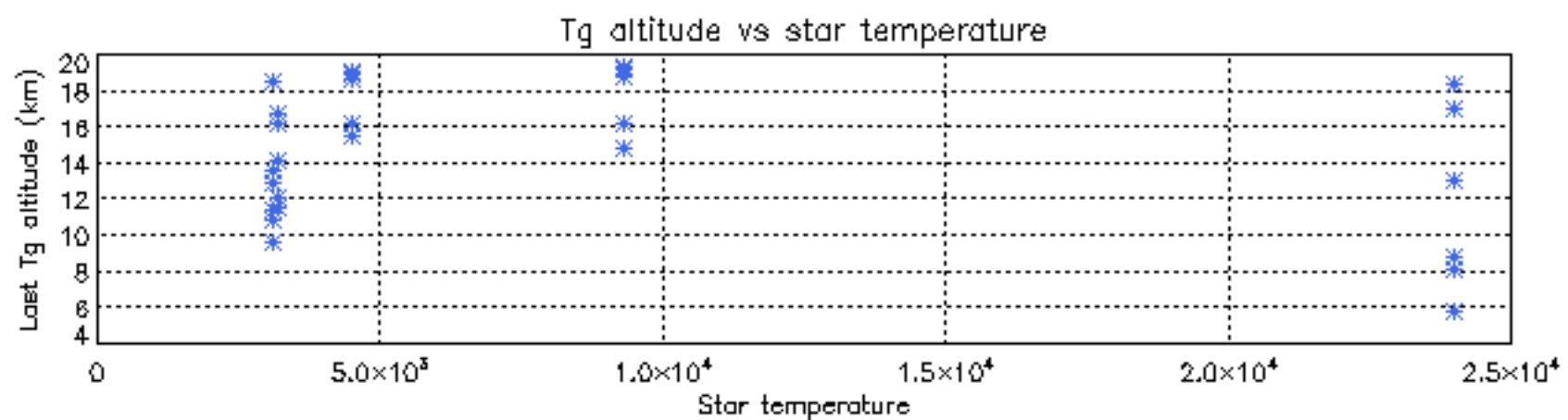
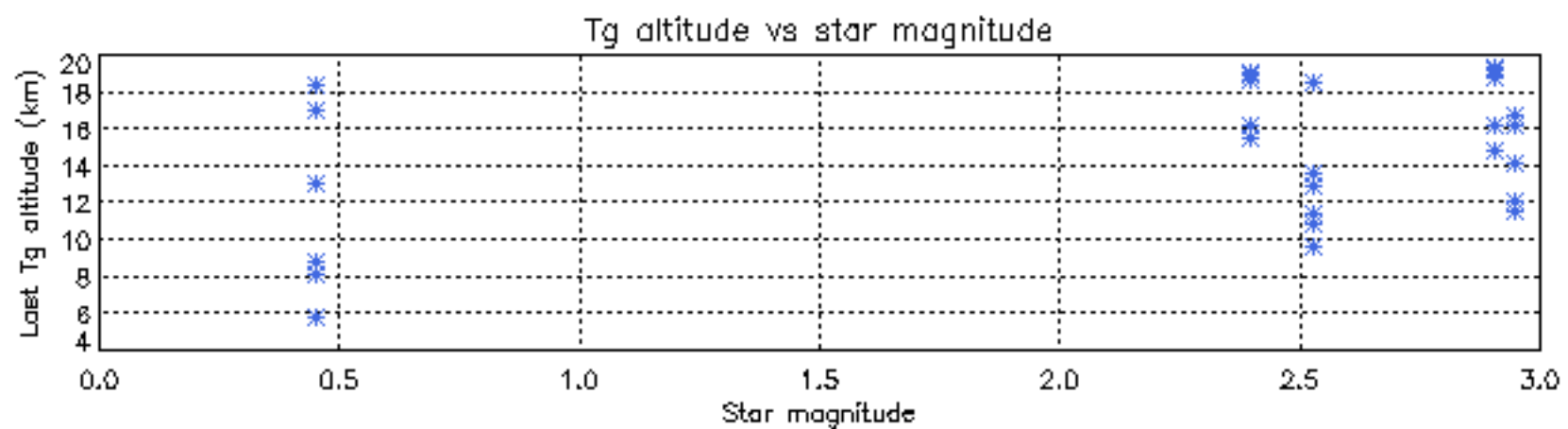
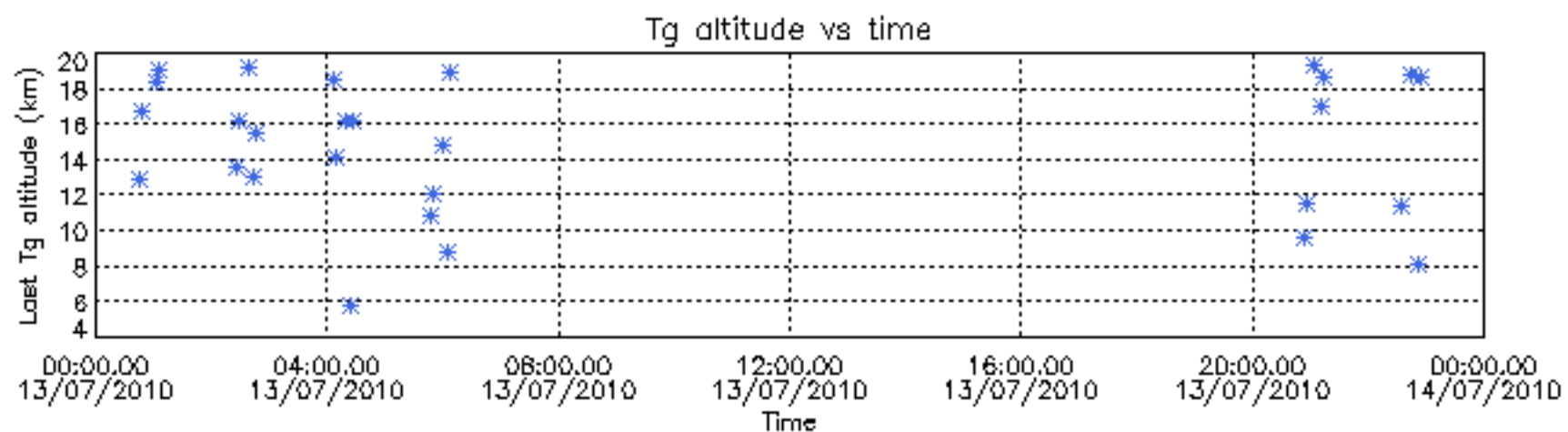
Percentage of star falling outside central band per profile



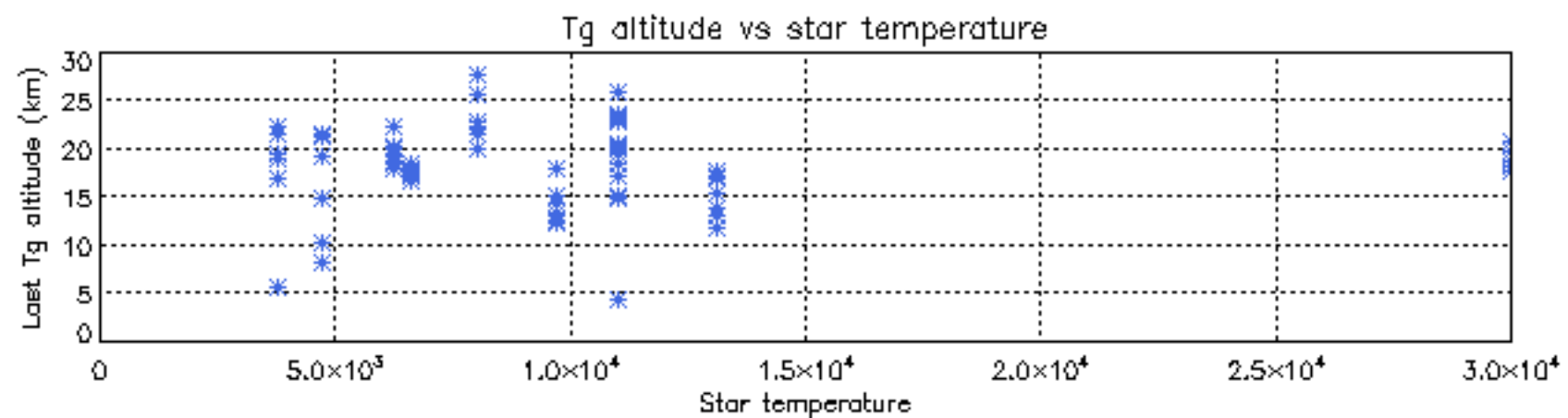
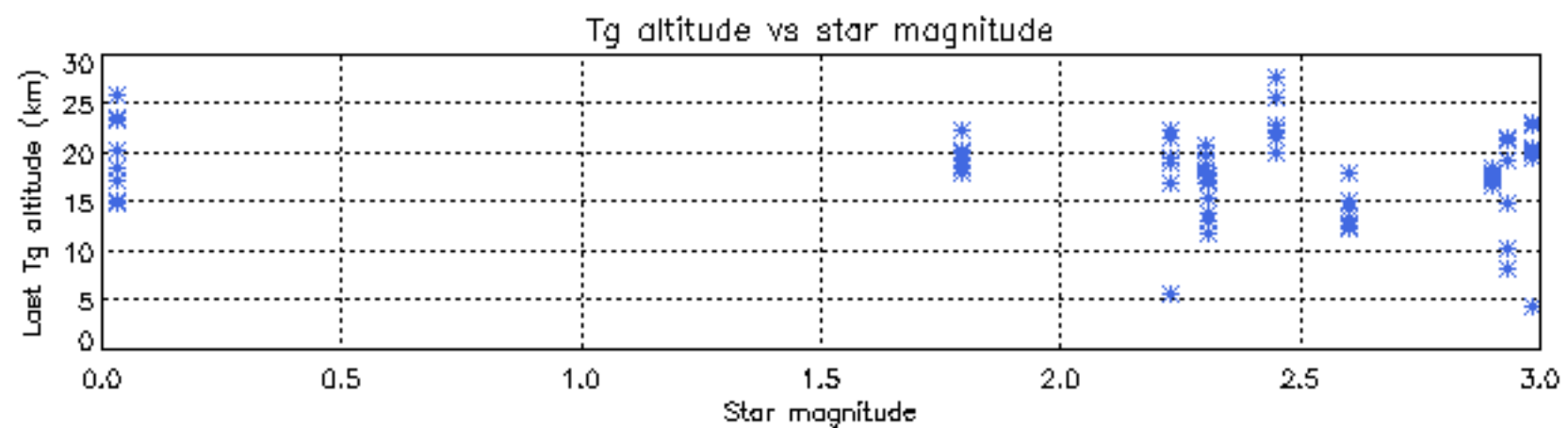
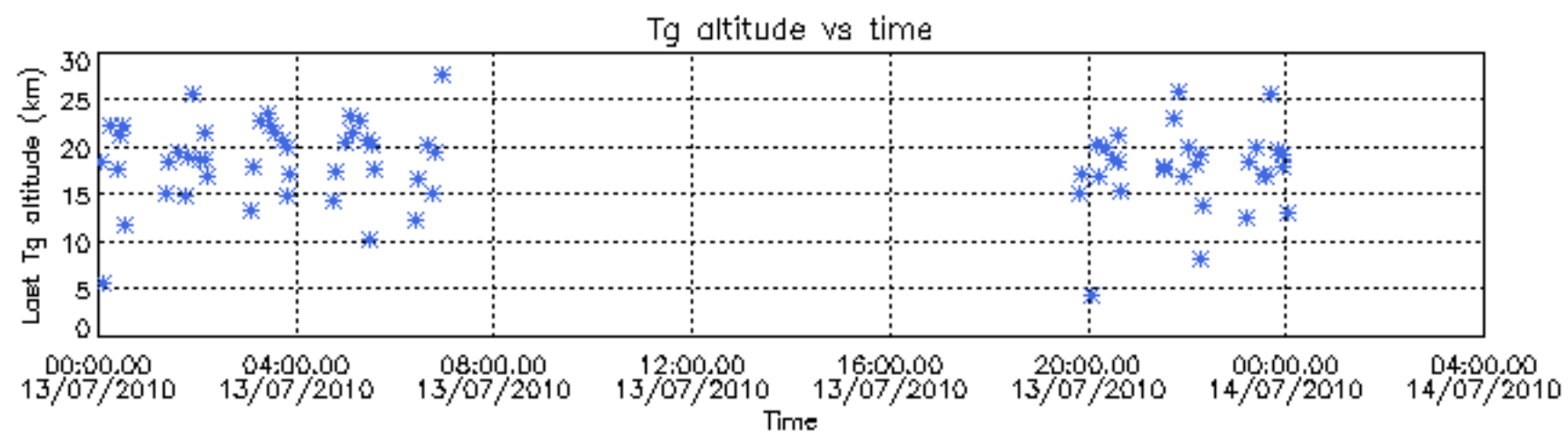
Percentage of saturation errors per profile



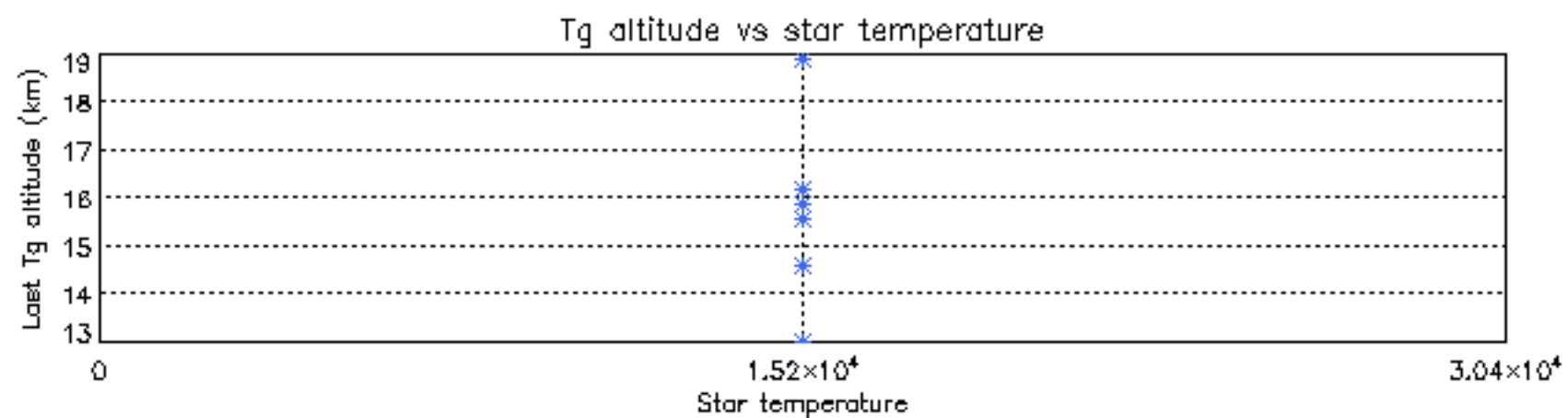
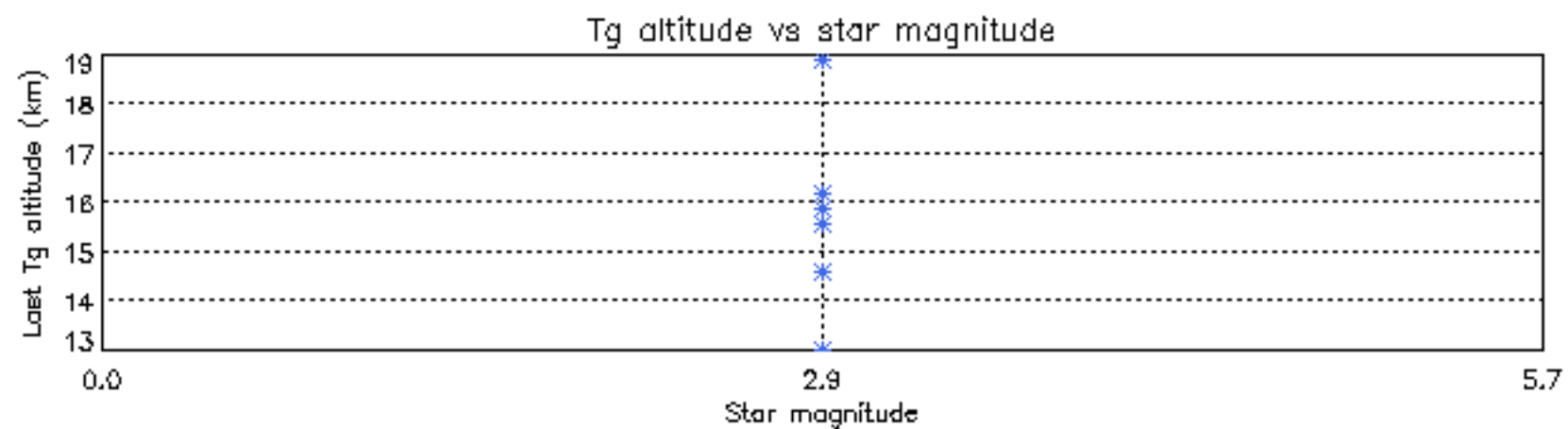
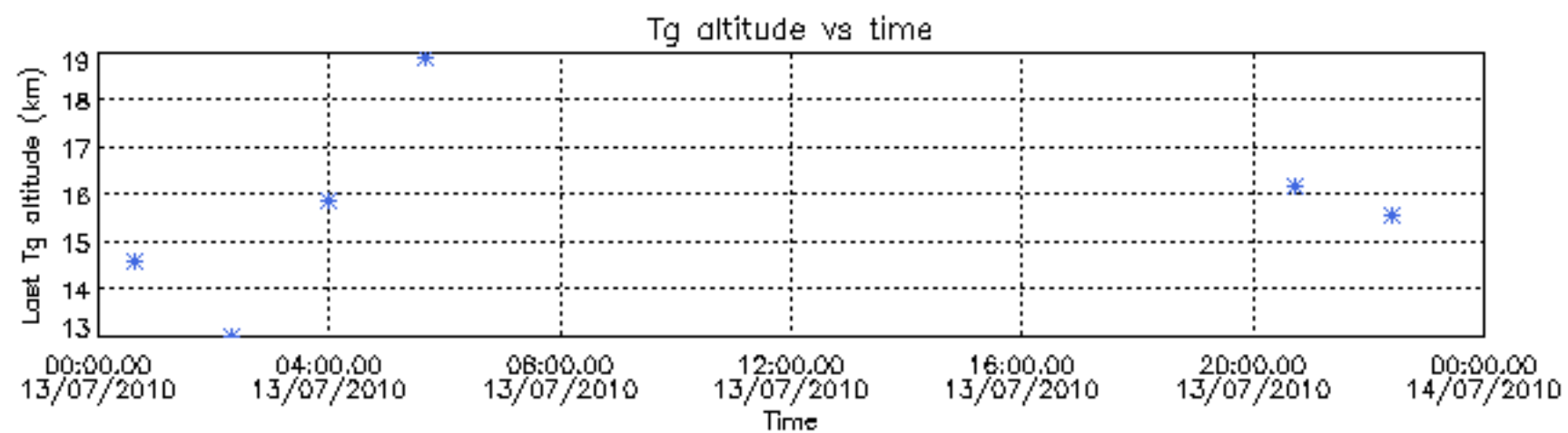
Tangent altitude at which the star is lost

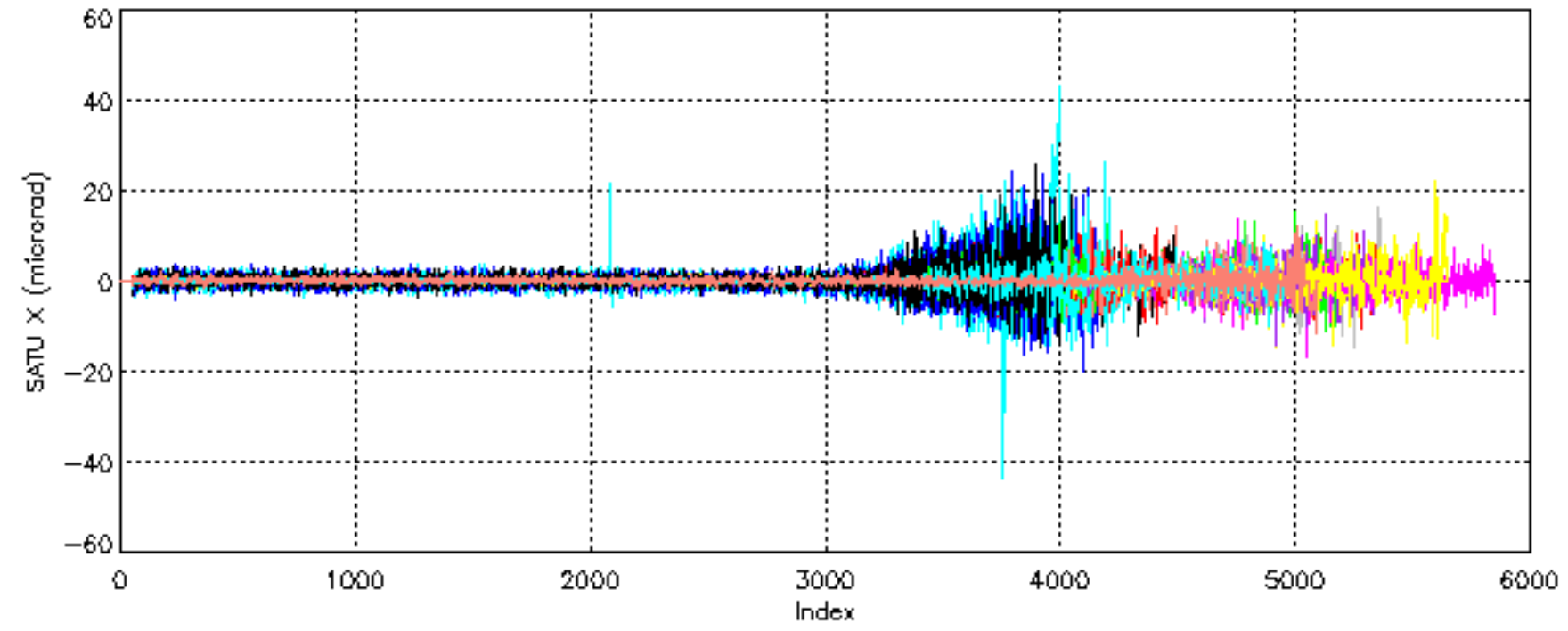


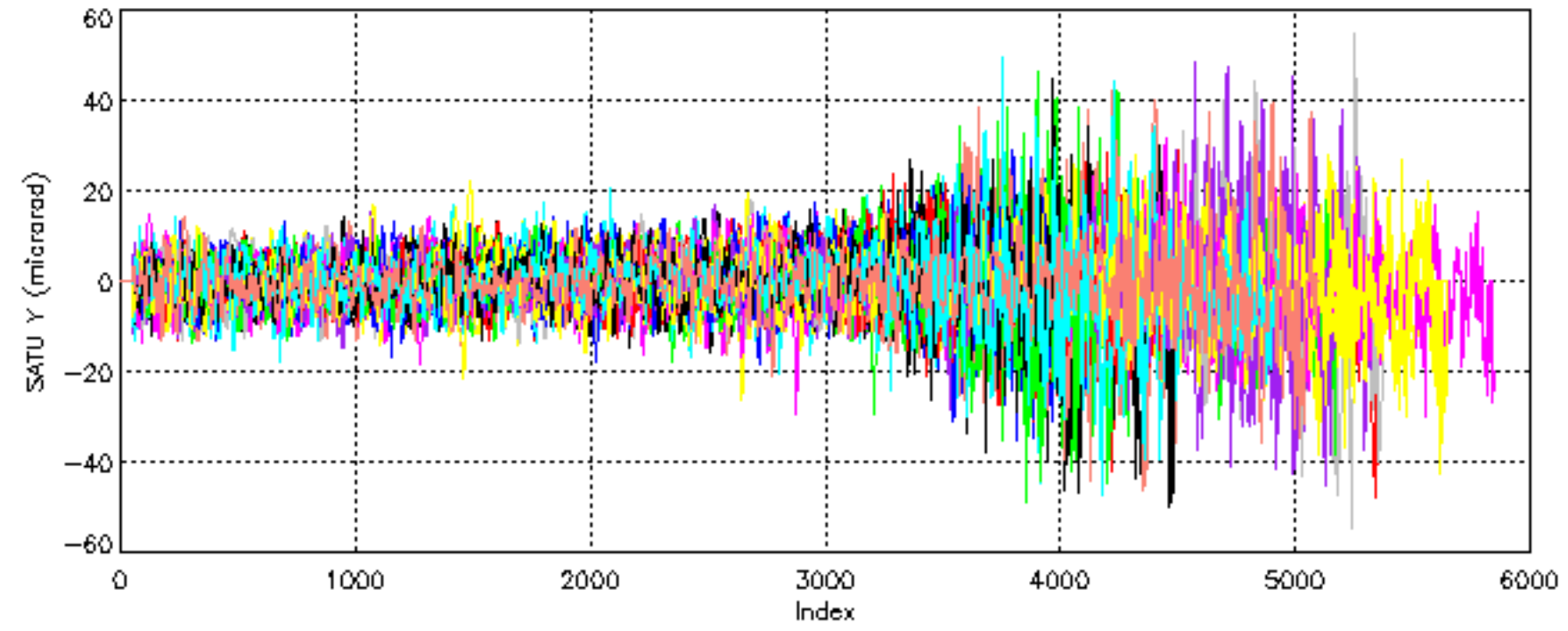
Tangent altitude at which the star is lost

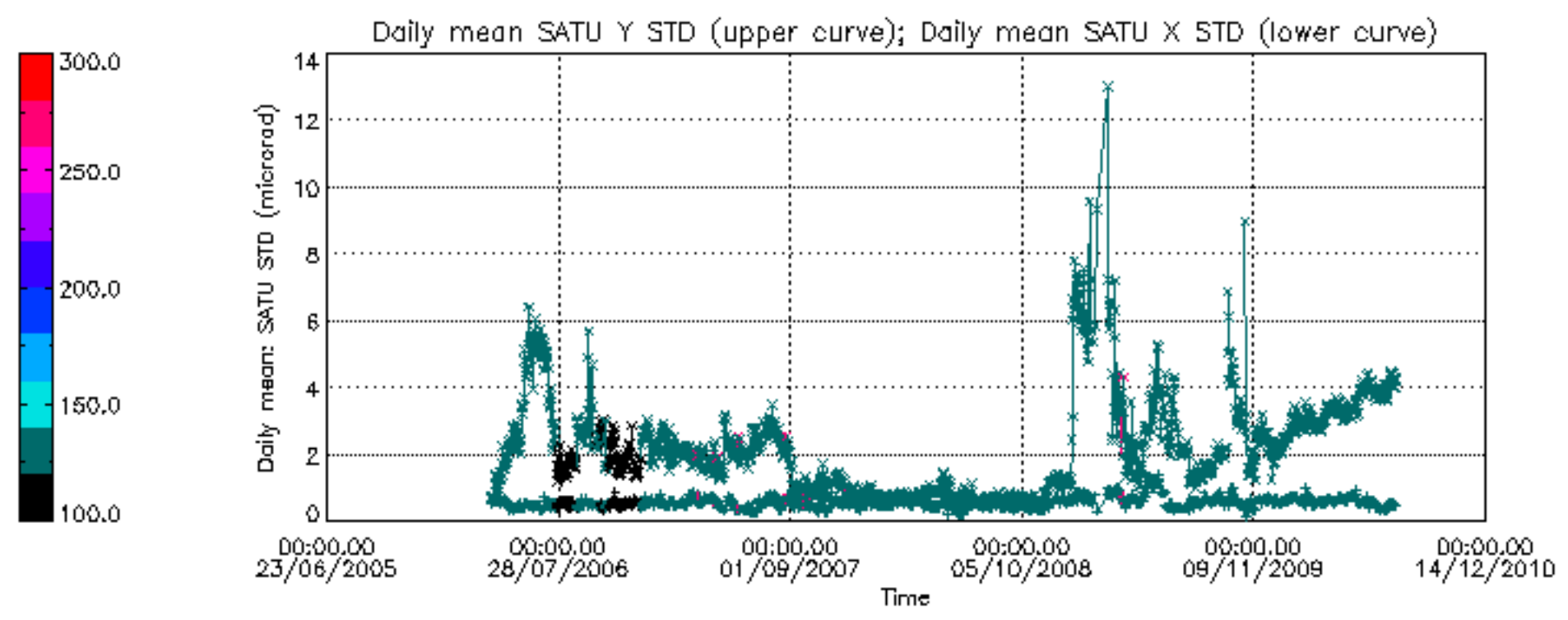


Tangent altitude at which the star is lost









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1; -536.4; 01-JUL-2010 00:28:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43571
 2; 94.6; 01-JUL-2010 00:38:59; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;43572
 3; 483.7; 01-JUL-2010 00:45:28; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43572
 4; 600.1; 01-JUL-2010 00:47:24; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;43572
 5; 743.9; 01-JUL-2010 00:49:48; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43572
 6; 1314.0; 01-JUL-2010 00:59:18; Dark ; 49.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 98; 0;43572
 7; 1480.2; 01-JUL-2010 01:02:04; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43572
 8; 1981.6; 01-JUL-2010 01:10:26; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;43572
 9; 2121.8; 01-JUL-2010 01:12:46; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;43572
 10; 2233.6; 01-JUL-2010 01:14:38; Bright; 47.5; 168; 17Zet Aql ; 2.99; 11000;occ; 95; 0;43572
 11; 2652.9; 01-JUL-2010 01:21:37; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;43572
 12; 2809.4; 01-JUL-2010 01:24:14; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;43572
 13; 2925.2; 01-JUL-2010 01:26:09; Bright; 40.0; 144; 18Del Cyg ; 2.86; 11000;occ; 80; 0;43572
 14; 3345.6; 01-JUL-2010 01:33:10; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43572
 15; 3786.1; 01-JUL-2010 01:40:30; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43572
 16; 3888.2; 01-JUL-2010 01:42:12; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;43572
 17; 4062.4; 01-JUL-2010 01:45:07; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;43572
 18; 4266.8; 01-JUL-2010 01:48:31; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;43572
 19; 4424.1; 01-JUL-2010 01:51:08; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;43572
 20; 4678.5; 01-JUL-2010 01:55:23; Dark ; 60.5; 50; 13Alp Ari ; 2.01; 4250;occ; 121; 0;43572
 21; 4976.2; 01-JUL-2010 02:00:20; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;43572

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1; -535.5; 01-JUL-2010 02:09:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43572
 2; 95.3; 01-JUL-2010 02:19:35; Dark ; 58.0; 84; Alp Phe ; 2.40; 4500;occ; 116; 0;43573
 3; 484.4; 01-JUL-2010 02:26:04; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43573
 4; 601.0; 01-JUL-2010 02:28:01; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;43573
 5; 744.6; 01-JUL-2010 02:30:25; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43573
 6; 1314.3; 01-JUL-2010 02:39:54; Dark ; 46.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 93; 0;43573
 7; 1480.5; 01-JUL-2010 02:42:41; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43573
 8; 1982.0; 01-JUL-2010 02:51:02; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43573
 9; 2121.7; 01-JUL-2010 02:53:22; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;43573
 10; 2233.3; 01-JUL-2010 02:55:13; Bright; 49.5; 168; 17Zet Aql ; 2.99; 11000;occ; 99; 0;43573
 11; 2652.5; 01-JUL-2010 03:02:13; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;43573
 12; 2809.3; 01-JUL-2010 03:04:49; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;43573
 13; 2924.7; 01-JUL-2010 03:06:45; Bright; 40.0; 144; 18Del Cyg ; 2.86; 11000;occ; 80; 0;43573
 14; 3344.9; 01-JUL-2010 03:13:45; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43573

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 2;-2148.4; 01-JUL-2010 03:22:48; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;43573
 3;-1973.6; 01-JUL-2010 03:25:42; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;43573
 4;-1769.2; 01-JUL-2010 03:29:07; Bright; 65.0; 73; 57Gam1And ; 2.26; 13100;occ; 130; 0;43573
 5;-1611.6; 01-JUL-2010 03:31:44; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;43573
 6;-1357.0; 01-JUL-2010 03:35:59; Dark ; 59.0; 50; 13Alp Ari ; 2.01; 4250;occ; 118; 0;43573
 7;-1059.7; 01-JUL-2010 03:40:56; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;43573
 8; -534.6; 01-JUL-2010 03:49:41; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43573
 9; 96.5; 01-JUL-2010 04:00:13; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;43574
 10; 485.6; 01-JUL-2010 04:06:42; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43574
 11; 602.3; 01-JUL-2010 04:08:38; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43574
 12; 744.8; 01-JUL-2010 04:11:01; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43574
 13; 1314.7; 01-JUL-2010 04:20:31; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;43574
 14; 1388.9; 01-JUL-2010 04:21:45; Bright; 45.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 90; 0;43574
 15; 1480.4; 01-JUL-2010 04:23:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43574
 16; 1981.9; 01-JUL-2010 04:31:38; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43574
 17; 2121.8; 01-JUL-2010 04:33:58; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;43574
 18; 2232.8; 01-JUL-2010 04:35:49; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;43574
 19; 2652.2; 01-JUL-2010 04:42:48; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;43574
 20; 2809.2; 01-JUL-2010 04:45:25; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;43574
 21; 2923.6; 01-JUL-2010 04:47:20; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43574
 22; 3344.5; 01-JUL-2010 04:54:21; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;43574

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 2;-2148.9; 01-JUL-2010 05:03:23; Bright; 69.0; 68; 18Alp Cas ; 2.22; 4500;occ; 138; 0;43574
 3;-1973.4; 01-JUL-2010 05:06:19; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;43574
 4;-1769.5; 01-JUL-2010 05:09:43; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;43574
 5;-1611.5; 01-JUL-2010 05:12:21; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;43574
 6;-1356.8; 01-JUL-2010 05:16:35; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;43574
 7;-1059.1; 01-JUL-2010 05:21:33; Dark ; 44.5; 94; 92Alp Cet ; 2.53; 3100;occ; 89; 0;43574

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8; -533.7; 01-JUL-2010 05:30:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43574
9; 97.7; 01-JUL-2010 05:40:50; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43575
10; 486.8; 01-JUL-2010 05:47:19; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43575
11; 602.8; 01-JUL-2010 05:49:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;43575
12; 745.4; 01-JUL-2010 05:51:37; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43575
13; 1314.8; 01-JUL-2010 06:01:07; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;43575
14; 1389.0; 01-JUL-2010 06:02:21; Bright; 44.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 89; 0;43575
15; 1480.9; 01-JUL-2010 06:03:53; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43575
16; 1982.2; 01-JUL-2010 06:12:14; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43575
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21; 2923.1; 01-JUL-2010 06:27:55; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43575
22; 3343.8; 01-JUL-2010 06:34:56; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;43575
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3; -1973.8; 01-JUL-2010 06:46:54; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;43575
4; -1769.3; 01-JUL-2010 06:50:19; Bright; 51.5; 73; 57Gam1And ; 2.26; 13100;occ; 103; 0;43575
5; -1611.1; 01-JUL-2010 06:52:57; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;43575
6; -1356.0; 01-JUL-2010 06:57:12; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;43575
7; -1058.6; 01-JUL-2010 07:02:09; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;43575
8; -532.8; 01-JUL-2010 07:10:55; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43575
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5; 2808.8; 01-JUL-2010 08:06:37; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;43576
6; 2921.8; 01-JUL-2010 08:08:30; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43576
7; 3343.1; 01-JUL-2010 08:15:31; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;43576
8; 3784.4; 01-JUL-2010 08:22:52; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;43576
9; 3876.7; 01-JUL-2010 08:24:25; Bright; 43.5; 110; 37Del Cas ; 2.68; 8900;occ; 87; 0;43576
10; 4062.2; 01-JUL-2010 08:27:30; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;43576
11; 4165.5; 01-JUL-2010 08:29:14; Bright; 34.0; 175; 39Del Per ; 3.01; 19400;occ; 68; 0;43576
12; 4266.5; 01-JUL-2010 08:30:54; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43576
13; 4424.9; 01-JUL-2010 08:33:33; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43576
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16; 5504.0; 01-JUL-2010 08:51:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43576
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9; 4062.1; 01-JUL-2010 11:48:42; Bright; 53.5; 160; 23Gam Per ; 2.93; 4700;occ; 107; 0;43578

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3; -1770.4; 02-JUL-2010 04:38:05; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43588
4; -1616.2; 02-JUL-2010 04:40:39; Dark ; 68.0; 53; 43Bet And ; 2.05; 3300;occ; 136; 0;43588
5; -1351.9; 02-JUL-2010 04:45:03; Dark ; 61.0; 50; 13Alp Ari ; 2.01; 4250;occ; 122; 0;43588
6; -521.3; 02-JUL-2010 04:58:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43588
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8; 112.1; 02-JUL-2010 05:09:27; Dark ; 61.0; 84; Alp Phe ; 2.40; 4500;occ; 122; 0;43589
9; 499.9; 02-JUL-2010 05:15:55; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43589
10; 603.3; 02-JUL-2010 05:17:38; Dark ; 79.5; 18; 24Alp PsA ; 1.17; 9700;occ; 159; 0;43589
11; 790.9; 02-JUL-2010 05:20:46; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43589
12; 1483.4; 02-JUL-2010 05:32:18; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43589
13; 2224.8; 02-JUL-2010 05:44:40; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;43589
14; 2645.2; 02-JUL-2010 05:51:40; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;43589
15; 2911.1; 02-JUL-2010 05:56:06; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;43589
16; 3126.3; 02-JUL-2010 05:59:41; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;43589
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3; 2640.9; 02-JUL-2010 20:56:59; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;43598
4; 2903.3; 02-JUL-2010 21:01:22; Bright; 49.5; 144; 18Del Cyg ; 2.86; 11000;occ; 99; 0;43598
5; 3115.0; 02-JUL-2010 21:04:53; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;43598
6; 3328.0; 02-JUL-2010 21:08:26; Bright; 67.0; 89; 5Alp Cep ; 2.45; 8000;occ; 134; 0;43598
7; 3772.7; 02-JUL-2010 21:15:51; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43598
8; 3870.0; 02-JUL-2010 21:17:28; Bright; 42.0; 110; 37Del Cas ; 2.68; 8900;occ; 84; 0;43598
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3; 122.1; 02-JUL-2010 21:55:36; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;43599
4; 509.5; 02-JUL-2010 22:02:04; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;43599
5; 620.8; 02-JUL-2010 22:03:55; Dark ; 95.0; 18; 24Alp PsA ; 1.17; 9700;occ; 190; 0;43599
6; 801.4; 02-JUL-2010 22:06:56; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43599
7; 1485.3; 02-JUL-2010 22:18:20; Bright; 44.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 89; 0;43599
8; 2219.6; 02-JUL-2010 22:30:34; Bright; 47.5; 168; 17Zet Aql ; 2.99; 11000;occ; 95; 0;43599
9; 2640.5; 02-JUL-2010 22:37:35; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;43599
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11; 3113.9; 02-JUL-2010 22:45:28; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;43599
12; 3327.7; 02-JUL-2010 22:49:02; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;43599
13; 3772.1; 02-JUL-2010 22:56:26; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43599
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3; 123.3; 02-JUL-2010 23:36:14; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;43600
4; 510.5; 02-JUL-2010 23:42:41; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43600
5; 622.6; 02-JUL-2010 23:44:33; Dark ; 77.5; 18; 24Alp PsA ; 1.17; 9700;occ; 155; 0;43600
6; 802.4; 02-JUL-2010 23:47:33; Dark ; 57.0; 172; Gam Gru ; 3.00; 13100;occ; 114; 0;43600
7; 1485.6; 02-JUL-2010 23:58:56; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43600
8; 2219.0; 03-JUL-2010 00:11:09; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;43600

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11; 3112.7; 03-JUL-2010 00:26:03; Bright; 59.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 119; 0;43600
12; 3326.7; 03-JUL-2010 00:29:37; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;43600
13; 3771.5; 03-JUL-2010 00:37:02; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;43600
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3; -1770.1; 02-JUL-2010 06:18:41; Bright; 51.0; 73; 57Gam1And ; 2.26; 13100;occ; 102; 0;43589
4; -1616.4; 02-JUL-2010 06:21:15; Dark ; 77.0; 53; 43Bet And ; 2.05; 3300;occ; 154; 0;43589
5; -1351.6; 02-JUL-2010 06:25:39; Dark ; 60.0; 50; 13Alp Ari ; 2.01; 4250;occ; 120; 0;43589
6; -520.3; 02-JUL-2010 06:39:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43589
7; -144.3; 02-JUL-2010 06:45:47; Dark ; 85.0; 52; 16Bet Cet ; 2.04; 4500;occ; 170; 0;43589
8; 113.3; 02-JUL-2010 06:50:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43590
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11; 792.1; 02-JUL-2010 07:01:23; Dark ; 54.0; 172; Gam Gru ; 3.00; 13100;occ; 108; 0;43590
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3; 2909.9; 02-JUL-2010 07:36:41; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;43590
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5; 3333.5; 02-JUL-2010 07:43:45; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;43590
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7; 3872.4; 02-JUL-2010 07:52:43; Bright; 43.0; 110; 37Del Cas ; 2.68; 8900;occ; 86; 0;43590
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13; 6150.0; 02-JUL-2010 08:30:41; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;43591
14; 6538.1; 02-JUL-2010 08:37:09; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43591
15; 6642.6; 02-JUL-2010 08:38:54; Dark ; 93.0; 18; 24Alp PsA ; 1.17; 9700;occ; 186; 0;43591
16; 6829.2; 02-JUL-2010 08:42:00; Dark ; 57.0; 172; Gam Gru ; 3.00; 13100;occ; 114; 0;43591
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3; 2909.0; 02-JUL-2010 09:17:16; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43591
4; 3123.9; 02-JUL-2010 09:20:51; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;43591
5; 3333.0; 02-JUL-2010 09:24:20; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43591
6; 3776.4; 02-JUL-2010 09:31:43; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;43591
7; 3872.3; 02-JUL-2010 09:33:19; Bright; 42.5; 110; 37Del Cas ; 2.68; 8900;occ; 85; 0;43591
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11; 5517.4; 02-JUL-2010 10:00:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43591
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16; 6830.0; 02-JUL-2010 10:22:37; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43592
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1; -454.7; 06-JUL-2010 23:00:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43656
 2; -6.7; 06-JUL-2010 23:08:12; Dark ; 76.0; 52; 16Bet Cet ; 2.04; 4500;occ; 152; 0;43656
 3; 183.9; 06-JUL-2010 23:11:22; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43657
 4; 564.2; 06-JUL-2010 23:17:42; Dark ; 61.5; 63; Bet Gru ; 2.15; 2800;occ; 123; 0;43657
 5; 718.1; 06-JUL-2010 23:20:16; Dark ; 83.0; 18; 24Alp PsA ; 1.17; 9700;occ; 166; 0;43657
 6; 858.4; 06-JUL-2010 23:22:37; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43657
 7; 2194.4; 06-JUL-2010 23:44:53; Bright; 43.5; 168; 17Zet Aql ; 2.99; 11000;occ; 87; 0;43657
 8; 2616.8; 06-JUL-2010 23:51:55; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;43657
 9; 2857.0; 06-JUL-2010 23:55:55; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43657
 10; 3046.3; 06-JUL-2010 23:59:05; Bright; 58.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 116; 0;43657
 11; 3289.0; 07-JUL-2010 00:03:07; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43657
 12; 3739.2; 07-JUL-2010 00:10:37; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43657
 13; 3850.6; 07-JUL-2010 00:12:29; Bright; 64.0; 110; 37Del Cas ; 2.68; 8900;occ; 128; 0;43657
 14; 4259.4; 07-JUL-2010 00:19:18; Bright; 54.0; 73; 57Gam1And ; 2.26; 13100;occ; 108; 0;43657
 15; 4418.4; 07-JUL-2010 00:21:57; Dark ; 76.0; 53; 43Bet And ; 2.05; 3300;occ; 152; 0;43657
 16; 4710.0; 07-JUL-2010 00:26:48; Dark ; 61.0; 50; 13Alp Ari ; 2.01; 4250;occ; 122; 0;43657
 17; 5016.1; 07-JUL-2010 00:31:54; Dark ; 53.5; 94; 92Alp Cet ; 2.53; 3100;occ; 107; 0;43657

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 2; -4.4; 07-JUL-2010 00:48:50; Dark ; 76.0; 52; 16Bet Cet ; 2.04; 4500;occ; 152; 0;43657
 3; 185.2; 07-JUL-2010 00:51:59; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;43658
 4; 565.1; 07-JUL-2010 00:58:19; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;43658
 5; 719.8; 07-JUL-2010 01:00:54; Dark ; 80.5; 18; 24Alp PsA ; 1.17; 9700;occ; 161; 0;43658
 6; 859.4; 07-JUL-2010 01:03:14; Dark ; 54.0; 172; Gam Gru ; 3.00; 13100;occ; 108; 0;43658
 7; 2193.7; 07-JUL-2010 01:25:28; Bright; 44.0; 168; 17Zet Aql ; 2.99; 11000;occ; 88; 0;43658
 8; 2616.5; 07-JUL-2010 01:32:31; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;43658
 9; 2856.6; 07-JUL-2010 01:36:31; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43658
 10; 3045.6; 07-JUL-2010 01:39:40; Bright; 81.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 162; 0;43658
 11; 3288.6; 07-JUL-2010 01:43:43; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43658
 12; 3738.8; 07-JUL-2010 01:51:13; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;43658
 13; 3850.2; 07-JUL-2010 01:53:04; Bright; 45.0; 110; 37Del Cas ; 2.68; 8900;occ; 90; 0;43658
 14; 4259.3; 07-JUL-2010 01:59:53; Bright; 52.0; 73; 57Gam1And ; 2.26; 13100;occ; 104; 0;43658
 15; 4418.8; 07-JUL-2010 02:02:33; Dark ; 77.0; 53; 43Bet And ; 2.05; 3300;occ; 154; 0;43658
 16; 4710.9; 07-JUL-2010 02:07:25; Dark ; 66.5; 50; 13Alp Ari ; 2.01; 4250;occ; 133; 0;43658
 17; 5017.2; 07-JUL-2010 02:12:31; Dark ; 55.0; 94; 92Alp Cet ; 2.53; 3100;occ; 110; 0;43658

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 2; -2.0; 07-JUL-2010 02:29:28; Dark ; 71.0; 52; 16Bet Cet ; 2.04; 4500;occ; 142; 0;43658
 3; 186.6; 07-JUL-2010 02:32:37; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;43659
 4; 566.1; 07-JUL-2010 02:38:56; Dark ; 65.5; 63; Bet Gru ; 2.15; 2800;occ; 131; 0;43659
 5; 721.8; 07-JUL-2010 02:41:32; Dark ; 83.0; 18; 24Alp PsA ; 1.17; 9700;occ; 166; 0;43659
 6; 860.6; 07-JUL-2010 02:43:51; Dark ; 54.5; 172; Gam Gru ; 3.00; 13100;occ; 109; 0;43659
 7; 2616.4; 07-JUL-2010 03:13:06; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;43659
 8; 2855.7; 07-JUL-2010 03:17:06; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;43659
 9; 3044.4; 07-JUL-2010 03:20:14; Bright; 51.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 102; 0;43659
 10; 3288.0; 07-JUL-2010 03:24:18; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;43659

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1; -2297.7; 07-JUL-2010 03:31:48; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;43659
 2; -2185.9; 07-JUL-2010 03:33:40; Bright; 42.5; 110; 37Del Cas ; 2.68; 8900;occ; 85; 0;43659

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3;-1776.4; 07-JUL-2010 03:40:30; Bright; 51.5; 73; 57Gam1And ; 2.26; 13100;occ; 103; 0;43659
4;-1617.2; 07-JUL-2010 03:43:09; Dark ; 77.0; 53; 43Bet And ; 2.05; 3300;occ; 154; 0;43659
5;-1324.7; 07-JUL-2010 03:48:01; Dark ; 64.0; 50; 13Alp Ari ; 2.01; 4250;occ; 128; 0;43659
6;-1018.5; 07-JUL-2010 03:53:08; Dark ; 52.5; 94; 92Alp Cet ; 2.53; 3100;occ; 105; 0;43659
7; -451.5; 07-JUL-2010 04:02:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43659
8; 0.5; 07-JUL-2010 04:10:06; Dark ; 71.0; 52; 16Bet Cet ; 2.04; 4500;occ; 142; 0;43659
9; 187.6; 07-JUL-2010 04:13:14; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;43660
10; 567.3; 07-JUL-2010 04:19:33; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43660
11; 723.1; 07-JUL-2010 04:22:09; Dark ; 82.5; 18; 24Alp PsA ; 1.17; 9700;occ; 165; 0;43660
12; 861.3; 07-JUL-2010 04:24:27; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43660
13; 2192.8; 07-JUL-2010 04:46:39; Bright; 44.5; 168; 17Zet Aql ; 2.99; 11000;occ; 89; 0;43660
14; 2616.1; 07-JUL-2010 04:53:42; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;43660
15; 2855.0; 07-JUL-2010 04:57:41; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;43660
16; 3043.1; 07-JUL-2010 05:00:49; Bright; 55.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 111; 0;43660
17; 3287.6; 07-JUL-2010 05:04:54; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;43660
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1;-2298.4; 07-JUL-2010 05:12:24; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;43660
2;-2186.3; 07-JUL-2010 05:14:16; Bright; 44.5; 110; 37Del Cas ; 2.68; 8900;occ; 89; 0;43660
3;-1776.7; 07-JUL-2010 05:21:05; Bright; 55.0; 73; 57Gam1And ; 2.26; 13100;occ; 110; 0;43660
4;-1617.2; 07-JUL-2010 05:23:45; Dark ; 71.0; 53; 43Bet And ; 2.05; 3300;occ; 142; 0;43660
5;-1324.5; 07-JUL-2010 05:28:38; Dark ; 71.0; 50; 13Alp Ari ; 2.01; 4250;occ; 142; 0;43660
6;-1017.7; 07-JUL-2010 05:33:44; Dark ; 52.0; 94; 92Alp Cet ; 2.53; 3100;occ; 104; 0;43660
7; -450.5; 07-JUL-2010 05:43:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43660
8; 2.4; 07-JUL-2010 05:50:44; Dark ; 66.0; 52; 16Bet Cet ; 2.04; 4500;occ; 132; 0;43660
9; 188.8; 07-JUL-2010 05:53:51; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;43661
10; 568.1; 07-JUL-2010 06:00:10; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43661
11; 724.8; 07-JUL-2010 06:02:47; Dark ; 83.0; 18; 24Alp PsA ; 1.17; 9700;occ; 166; 0;43661
12; 862.3; 07-JUL-2010 06:05:04; Dark ; 54.0; 172; Gam Gru ; 3.00; 13100;occ; 108; 0;43661
13; 2193.0; 07-JUL-2010 06:27:15; Bright; 44.5; 168; 17Zet Aql ; 2.99; 11000;occ; 89; 0;43661
14; 2619.9; 07-JUL-2010 06:34:22; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;43661
15; 2854.5; 07-JUL-2010 06:38:17; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;43661
16; 3041.8; 07-JUL-2010 06:41:24; Bright; 57.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 115; 0;43661
17; 3287.1; 07-JUL-2010 06:45:29; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;43661
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1; 2189.6; 07-JUL-2010 21:32:35; Bright; 43.5; 168; 17Zet Aql ; 2.99; 11000;occ; 87; 0;43670
2; 2848.1; 07-JUL-2010 21:43:34; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43670
3; 3032.2; 07-JUL-2010 21:46:38; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;43670
4; 3281.1; 07-JUL-2010 21:50:47; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;43670
5; 3731.7; 07-JUL-2010 21:58:17; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;43670
6; 3846.0; 07-JUL-2010 22:00:12; Bright; 43.0; 110; 37Del Cas ; 2.68; 8900;occ; 86; 0;43670
7; 4258.0; 07-JUL-2010 22:07:04; Bright; 57.5; 73; 57Gam1And ; 2.26; 13100;occ; 115; 0;43670
8; 4418.6; 07-JUL-2010 22:09:44; Dark ; 43.0; 53; 43Bet And ; 2.05; 3300;occ; 86; 0;43670
9; 4715.8; 07-JUL-2010 22:14:41; Dark ; 63.5; 50; 13Alp Ari ; 2.01; 4250;occ; 127; 0;43670
10; 5023.3; 07-JUL-2010 22:19:49; Dark ; 54.5; 94; 92Alp Cet ; 2.53; 3100;occ; 109; 0;43670
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1; -439.3; 07-JUL-2010 22:29:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43670
2; 25.7; 07-JUL-2010 22:37:07; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;43671
3; 199.3; 07-JUL-2010 22:40:01; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;43671
4; 577.2; 07-JUL-2010 22:46:19; Dark ; 63.0; 63; Bet Gru ; 2.15; 2800;occ; 126; 0;43671
5; 741.1; 07-JUL-2010 22:49:02; Dark ; 82.0; 18; 24Alp PsA ; 1.17; 9700;occ; 164; 0;43671
6; 871.8; 07-JUL-2010 22:51:13; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43671
7; 2189.4; 07-JUL-2010 23:13:11; Bright; 42.0; 168; 17Zet Aql ; 2.99; 11000;occ; 84; 0;43671
8; 2847.5; 07-JUL-2010 23:24:09; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;43671
9; 3031.3; 07-JUL-2010 23:27:13; Bright; 55.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 110; 0;43671
10; 3280.2; 07-JUL-2010 23:31:22; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;43671
11; 3731.1; 07-JUL-2010 23:38:53; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;43671
12; 3845.8; 07-JUL-2010 23:40:47; Bright; 43.0; 110; 37Del Cas ; 2.68; 8900;occ; 86; 0;43671
13; 4257.8; 07-JUL-2010 23:47:39; Bright; 57.0; 73; 57Gam1And ; 2.26; 13100;occ; 114; 0;43671
14; 4418.8; 07-JUL-2010 23:50:20; Dark ; 43.0; 53; 43Bet And ; 2.05; 3300;occ; 86; 0;43671
15; 4715.9; 07-JUL-2010 23:55:17; Dark ; 67.5; 50; 13Alp Ari ; 2.01; 4250;occ; 135; 0;43671
16; 5023.9; 08-JUL-2010 00:00:25; Dark ; 54.5; 94; 92Alp Cet ; 2.53; 3100;occ; 109; 0;43671
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2; 27.9; 08-JUL-2010 00:17:45; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;43672
3; 200.8; 08-JUL-2010 00:20:38; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;43672
4; 578.0; 08-JUL-2010 00:26:55; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43672
5; 742.6; 08-JUL-2010 00:29:40; Dark ; 81.0; 18; 24Alp PsA ; 1.17; 9700;occ; 162; 0;43672
6; 872.2; 08-JUL-2010 00:31:49; Dark ; 55.0; 172; Gam Gru ; 3.00; 13100;occ; 110; 0;43672

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8; 2846.6; 08-JUL-2010 01:04:44; Bright; 44.5; 144; 18Del Cyg ; 2.86; 11000;occ; 89; 0;43672
9; 3030.1; 08-JUL-2010 01:07:47; Bright; 55.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 110; 0;43672
10; 3279.4; 08-JUL-2010 01:11:57; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;43672
11; 3730.8; 08-JUL-2010 01:19:28; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;43672
12; 3845.4; 08-JUL-2010 01:21:23; Bright; 42.0; 110; 37Del Cas ; 2.68; 8900;occ; 84; 0;43672
13; 4257.9; 08-JUL-2010 01:28:15; Bright; 52.5; 73; 57Gam1And ; 2.26; 13100;occ; 105; 0;43672
14; 4418.4; 08-JUL-2010 01:30:56; Dark ; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;43672
15; 4716.8; 08-JUL-2010 01:35:54; Dark ; 64.0; 50; 13Alp Ari ; 2.01; 4250;occ; 128; 0;43672
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2; 30.2; 08-JUL-2010 01:58:23; Dark ; 36.0; 52; 16Bet Cet ; 2.04; 4500;occ; 72; 0;43673
3; 201.8; 08-JUL-2010 02:01:15; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;43673
4; 578.9; 08-JUL-2010 02:07:32; Dark ; 64.0; 63; Bet Gru ; 2.15; 2800;occ; 128; 0;43673
5; 744.3; 08-JUL-2010 02:10:17; Dark ; 79.0; 18; 24Alp PsA ; 1.17; 9700;occ; 158; 0;43673
6; 873.7; 08-JUL-2010 02:12:27; Dark ; 54.5; 172; Gam Gru ; 3.00; 13100;occ; 109; 0;43673
7; 2188.6; 08-JUL-2010 02:34:22; Bright; 44.5; 168; 17Zet Aql ; 2.99; 11000;occ; 89; 0;43673
8; 2846.2; 08-JUL-2010 02:45:19; Bright; 42.5; 144; 18Del Cyg ; 2.86; 11000;occ; 85; 0;43673
9; 3029.0; 08-JUL-2010 02:48:22; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;43673
10; 3279.0; 08-JUL-2010 02:52:32; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;43673
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1; -2305.6; 08-JUL-2010 03:00:03; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;43673
2; -2190.8; 08-JUL-2010 03:01:58; Bright; 44.0; 110; 37Del Cas ; 2.68; 8900;occ; 88; 0;43673
3; -1778.0; 08-JUL-2010 03:08:51; Bright; 56.5; 73; 57Gam1And ; 2.26; 13100;occ; 113; 0;43673
4; -1617.6; 08-JUL-2010 03:11:32; Dark ; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;43673
5; -1318.9; 08-JUL-2010 03:16:30; Dark ; 66.0; 50; 13Alp Ari ; 2.01; 4250;occ; 132; 0;43673
6; -1010.8; 08-JUL-2010 03:21:38; Dark ; 45.5; 94; 92Alp Cet ; 2.53; 3100;occ; 91; 0;43673
7; -436.0; 08-JUL-2010 03:31:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43673
8; 32.5; 08-JUL-2010 03:39:02; Dark ; 36.0; 52; 16Bet Cet ; 2.04; 4500;occ; 72; 0;43674
9; 203.1; 08-JUL-2010 03:41:52; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;43674
10; 580.0; 08-JUL-2010 03:48:09; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43674
11; 745.9; 08-JUL-2010 03:50:55; Dark ; 81.0; 18; 24Alp PsA ; 1.17; 9700;occ; 162; 0;43674
12; 874.4; 08-JUL-2010 03:53:04; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43674
13; 2188.4; 08-JUL-2010 04:14:57; Bright; 43.5; 168; 17Zet Aql ; 2.99; 11000;occ; 87; 0;43674
14; 2845.4; 08-JUL-2010 04:25:55; Bright; 45.5; 144; 18Del Cyg ; 2.86; 11000;occ; 91; 0;43674
15; 3027.9; 08-JUL-2010 04:28:57; Bright; 56.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 113; 0;43674
16; 3278.3; 08-JUL-2010 04:33:07; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43674
17; 3729.4; 08-JUL-2010 04:40:38; Bright; 1.5; 74; 11Bet Cas ; 2.27; 6600;occ; 3; 0;43674
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1; -2306.7; 08-JUL-2010 04:40:38; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;43674
2; -2191.2; 08-JUL-2010 04:42:34; Bright; 46.0; 110; 37Del Cas ; 2.68; 8900;occ; 92; 0;43674
3; -1778.2; 08-JUL-2010 04:49:27; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;43674
4; -1617.5; 08-JUL-2010 04:52:08; Dark ; 31.0; 53; 43Bet And ; 2.05; 3300;occ; 62; 0;43674
5; -1318.3; 08-JUL-2010 04:57:07; Dark ; 63.0; 50; 13Alp Ari ; 2.01; 4250;occ; 126; 0;43674
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9; 4315.9; 30-JUL-2010 21:45:04; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;43999
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6; 909.0; 30-JUL-2010 22:28:53; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;44000
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9; 2589.9; 30-JUL-2010 22:56:54; Bright; 41.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 83; 0;44000
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