

GOMOS Daily Report 17-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	21JUL2010 04:56:54
Data source version	GOMOS/5.01
Start time of products	17JUL2010 00:01:14
Stop time of products	17JUL2010 23:59:41
Store outputs in DB	Yes
Nb of level 1b prods	119
Nb of prods with errors	1

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

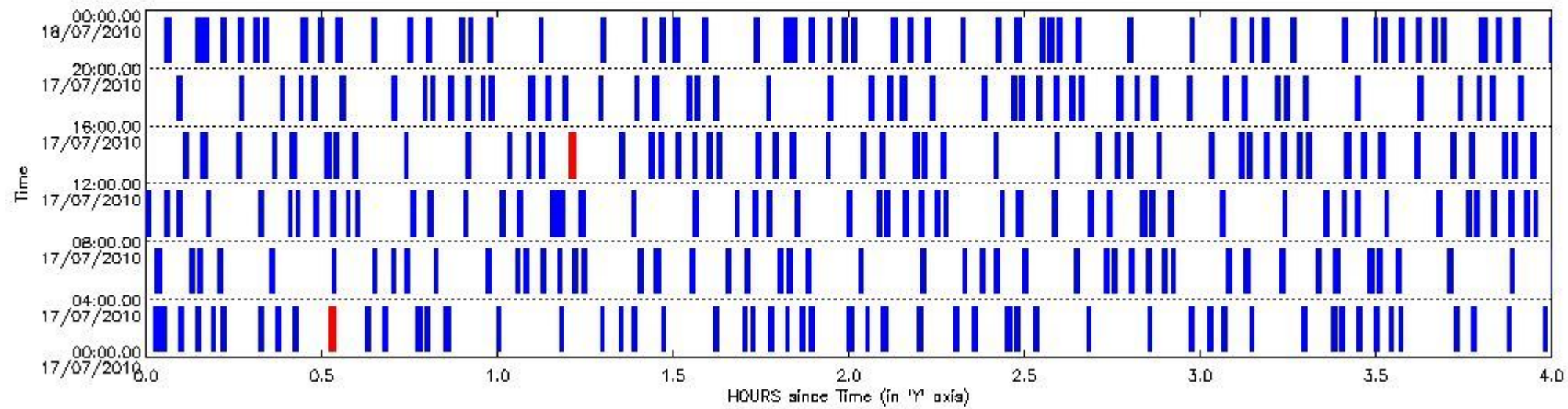
2.1 Level 0 products arrived in PCF (see template [here](#))

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
17-JUL-2010 00:31:16	The1Eri	157	43800
17-JUL-2010 13:12:10	5AlpCep	89	43808

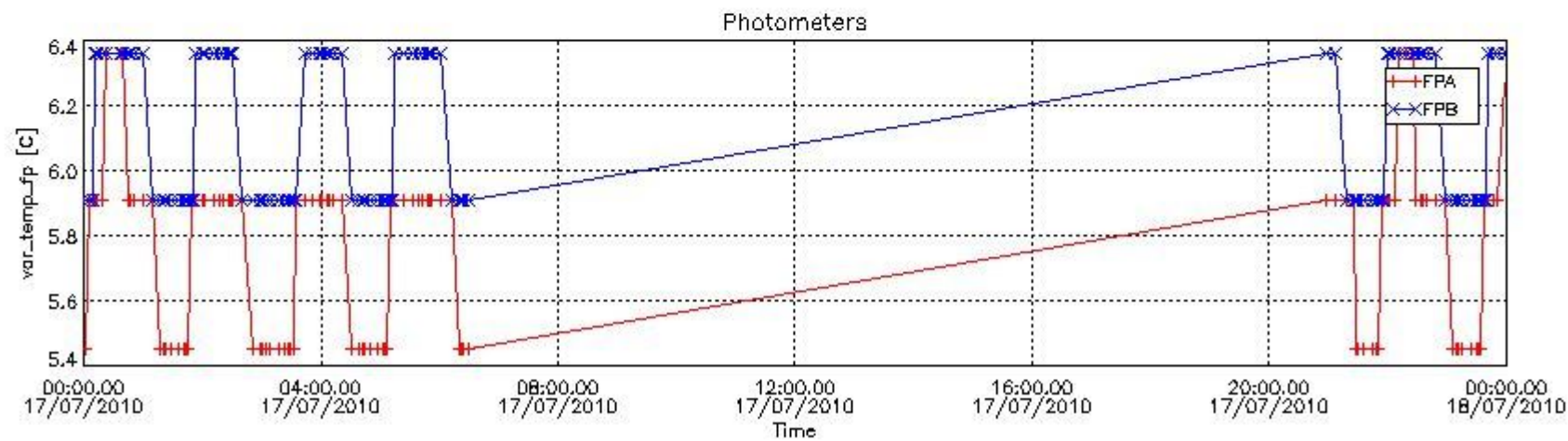
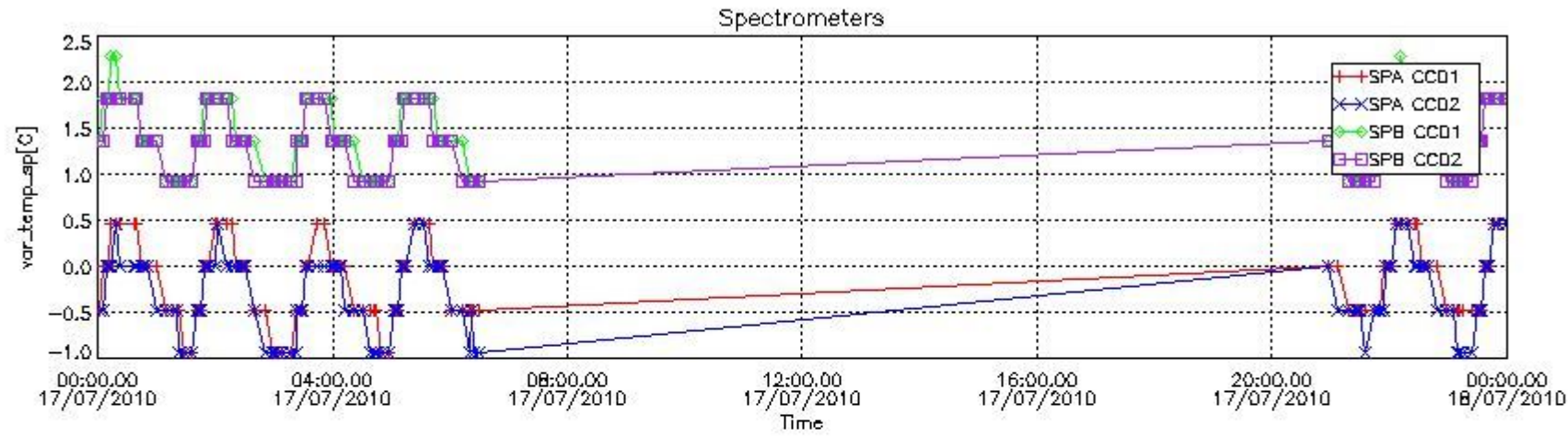
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100717_000114_000000612091_00159_43800_7294.N1	17-JUL-2010 00:01:14	Bright	61.000	160	23Gam Per	2.9300	4700.0	122	43800	No
2	GOM_TRA_1PNPDE20100717_000236_000000432091_00159_43800_7295.N1	17-JUL-2010 00:02:36	Bright	42.500	35	33Alp Per	1.7950	6250.0	85	43800	No
3	GOM_TRA_1PNPDE20100717_000533_000000482091_00159_43800_7296.N1	17-JUL-2010 00:05:33	Bright	48.000	79	26Bet Per	2.3100	13100.	96	43800	No
4	GOM_TRA_1PNPDE20100717_000828_000000452091_00159_43800_7297.N1	17-JUL-2010 00:08:28	Twilight	45.000	150	44Zet Per	2.8900	28000.	90	43800	No
5	GOM_TRA_1PNPDE20100717_001104_000000452091_00159_43800_7298.N1	17-JUL-2010 00:11:04	Twilight	45.000	146	25Eta Tau	2.8730	15200.	90	43800	No
6	GOM_TRA_1PNPDE20100717_001238_000000542091_00159_43800_7299.N1	17-JUL-2010 00:12:38	Twilight	54.000	13	87Alp Tau	0.86700	3800.0	108	43800	No
7	GOM_TRA_1PNPDE20100717_001906_000000592091_00159_43800_7300.N1	17-JUL-2010 00:19:06	Dark	58.500	94	92Alp Cet	2.5260	3100.0	117	43800	No
8	GOM_TRA_1PNPDE20100717_002207_000000482091_00159_43800_7311.N1	17-JUL-2010 00:22:07	Dark	48.000	165	34Gam Eri	2.9500	3200.0	96	43800	Yes
9	GOM_TRA_1PNPDE20100717_003716_000000502091_00160_43801_7312.N1	17-JUL-2010 00:37:16	Dark	49.500	9	Alp Eri	0.45300	24000.	99	43801	No

10	GOM_TRA_1PNPDE20100717_004020_000000532091_00160_43801_7313.N1	17-JUL-2010 00:40:20	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	43801	No
11	GOM_TRA_1PNPDE20100717_004604_000000652091_00160_43801_7314.N1	17-JUL-2010 00:46:04	Straylight	65.000	63	Bet Gru	2.1500	2800.0	130	43801	No
12	GOM_TRA_1PNPDE20100717_004738_000000472091_00160_43801_7315.N1	17-JUL-2010 00:47:38	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	43801	No
13	GOM_TRA_1PNPDE20100717_005051_000000542091_00160_43801_7316.N1	17-JUL-2010 00:50:51	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	43801	No
14	GOM_TRA_1PNPDE20100717_005953_000000402091_00160_43801_7317.N1	17-JUL-2010 00:59:53	Bright	39.500	155	41Pi Sgr	2.9000	6600.0	79	43801	No
15	GOM_TRA_1PNPDE20100717_011029_000000392091_00160_43801_7318.N1	17-JUL-2010 01:10:29	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	43801	No
16	GOM_TRA_1PNPDE20100717_011733_000000362091_00160_43801_7319.N1	17-JUL-2010 01:17:33	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	43801	No
17	GOM_TRA_1PNPDE20100717_012043_000000402091_00160_43801_7320.N1	17-JUL-2010 01:20:43	Bright	40.000	144	18Del Cyg	2.8600	11000.	80	43801	No
18	GOM_TRA_1PNPDE20100717_012300_000000492091_00160_43801_7321.N1	17-JUL-2010 01:23:00	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	43801	No
19	GOM_TRA_1PNPDE20100717_012754_000000452091_00160_43801_7322.N1	17-JUL-2010 01:27:54	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43801	No
20	GOM_TRA_1PNPDE20100717_013644_000000482091_00160_43801_7323.N1	17-JUL-2010 01:36:44	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	43801	No
21	GOM_TRA_1PNPDE20100717_014150_000000412091_00160_43801_7324.N1	17-JUL-2010 01:41:50	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	43801	No
22	GOM_TRA_1PNPDE20100717_014312_000000432091_00160_43801_7325.N1	17-JUL-2010 01:43:12	Bright	43.000	35	33Alp Per	1.7950	6250.0	86	43801	No
23	GOM_TRA_1PNPDE20100717_014609_000000492091_00160_43801_7326.N1	17-JUL-2010 01:46:09	Bright	49.000	79	26Bet Per	2.3100	13100.	98	43801	No
24	GOM_TRA_1PNPDE20100717_014904_000000442091_00160_43801_7327.N1	17-JUL-2010 01:49:04	Twi_and_stray	44.000	150	44Zet Per	2.8900	28000.	88	43801	No
25	GOM_TRA_1PNPDE20100717_015140_000000452091_00160_43801_7328.N1	17-JUL-2010 01:51:40	Twilight	45.000	146	25Eta Tau	2.8730	15200.	90	43801	No
26	GOM_TRA_1PNPDE20100717_015314_000000472091_00160_43801_7329.N1	17-JUL-2010 01:53:14	Twilight	47.000	13	87Alp Tau	0.86700	3800.0	94	43801	No
27	GOM_TRA_1PNPDE20100717_015943_000000592091_00160_43801_7330.N1	17-JUL-2010 01:59:43	Dark	59.000	94	92Alp Cet	2.5260	3100.0	118	43801	No
28	GOM_TRA_1PNPDE20100717_020243_000000472091_00160_43801_7331.N1	17-JUL-2010 02:02:43	Dark	47.000	165	34Gam Eri	2.9500	3200.0	94	43801	No
29	GOM_TRA_1PNPDE20100717_021144_000000432091_00160_43801_7332.N1	17-JUL-2010 02:11:44	Dark	43.000	157	The1Eri	2.9060	9300.0	86	43801	No
30	GOM_TRA_1PNPDE20100717_021752_000000422091_00161_43802_7333.N1	17-JUL-2010 02:17:52	Dark	41.500	9	Alp Eri	0.45300	24000.	83	43802	No
31	GOM_TRA_1PNPDE20100717_022057_000000532091_00161_43802_7334.N1	17-JUL-2010 02:20:57	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	43802	No
32	GOM_TRA_1PNPDE20100717_022640_000000602091_00161_43802_7335.N1	17-JUL-2010 02:26:40	Straylight	59.500	63	Bet Gru	2.1500	2800.0	119	43802	No
33	GOM_TRA_1PNPDE20100717_022815_000000472091_00161_43802_7336.N1	17-JUL-2010 02:28:15	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	43802	No
34	GOM_TRA_1PNPDE20100717_023128_000000502091_00161_43802_7337.N1	17-JUL-2010 02:31:28	Straylight	49.500	172	Gam Gru	3.0030	13100.	99	43802	No
35	GOM_TRA_1PNPDE20100717_024029_000000412091_00161_43802_7338.N1	17-JUL-2010 02:40:29	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43802	No
36	GOM_TRA_1PNPDE20100717_025105_000000392091_00161_43802_7339.N1	17-JUL-2010 02:51:05	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	43802	No
37	GOM_TRA_1PNPDE20100717_025808_000000412091_00161_43802_7340.N1	17-JUL-2010 02:58:08	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43802	No
38	GOM_TRA_1PNPDE20100717_030119_000000432091_00161_43802_7341.N1	17-JUL-2010 03:01:19	Bright	42.500	144	18Del Cyg	2.8600	11000.	85	43802	No
39	GOM_TRA_1PNPDE20100717_030335_000000492091_00161_43802_7342.N1	17-JUL-2010 03:03:35	Bright	48.500	19	50Alp Cyg	1.2460	10500.	97	43802	No
40	GOM_TRA_1PNPDE20100717_030829_000000392091_00161_43802_7343.N1	17-JUL-2010 03:08:29	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	43802	No
41	GOM_TRA_1PNPDE20100717_031720_000000472091_00161_43802_7352.N1	17-JUL-2010 03:17:20	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	43802	No
42	GOM_TRA_1PNPDE20100717_032226_000000432091_00161_43802_7353.N1	17-JUL-2010 03:22:26	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	43802	No
43	GOM_TRA_1PNPDE20100717_032347_000000422091_00161_43802_7354.N1	17-JUL-2010 03:23:47	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	43802	No
44	GOM_TRA_1PNPDE20100717_032645_000000492091_00161_43802_7355.N1	17-JUL-2010 03:26:45	Bright	48.500	79	26Bet Per	2.3100	13100.	97	43802	No
45	GOM_TRA_1PNPDE20100717_032940_000000442091_00161_43802_7356.N1	17-JUL-2010 03:29:40	Twi_and_stray	43.500	150	44Zet Per	2.8900	28000.	87	43802	No
46	GOM_TRA_1PNPDE20100717_033216_000000422091_00161_43802_7357.N1	17-JUL-2010 03:32:16	Twilight	41.500	146	25Eta Tau	2.8730	15200.	83	43802	No
47	GOM_TRA_1PNPDE20100717_033351_000000412091_00161_43802_7358.N1	17-JUL-2010 03:33:51	Twilight	41.000	13	87Alp Tau	0.86700	3800.0	82	43802	No
48	GOM_TRA_1PNPDE20100717_034319_000000472091_00161_43802_7359.N1	17-JUL-2010 03:43:19	Dark	47.000	165	34Gam Eri	2.9500	3200.0	94	43802	No
49	GOM_TRA_1PNPDE20100717_035221_000000432091_00161_43802_7360.N1	17-JUL-2010 03:52:21	Dark	43.000	157	The1Eri	2.9060	9300.0	86	43802	No
50	GOM_TRA_1PNPDE20100717_035829_000000442091_00162_43803_7361.N1	17-JUL-2010 03:58:29	Dark	44.000	9	Alp Eri	0.45300	24000.	88	43803	No
51	GOM_TRA_1PNPDE20100717_040134_000000532091_00162_43803_7362.N1	17-JUL-2010 04:01:34	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	43803	No
52	GOM_TRA_1PNPDE20100717_040717_000000552091_00162_43803_7363.N1	17-JUL-2010 04:07:17	Straylight	54.500	63	Bet Gru	2.1500	2800.0	109	43803	No
53	GOM_TRA_1PNPDE20100717_040851_000000482091_00162_43803_7364.N1	17-JUL-2010 04:08:51	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	43803	No
54	GOM_TRA_1PNPDE20100717_041205_000000512091_00162_43803_7365.N1	17-JUL-2010 04:12:05	Straylight	50.500	172	Gam Gru	3.0030	13100.	101	43803	No
55	GOM_TRA_1PNPDE20100717_042105_000000412091_00162_43803_7366.N1	17-JUL-2010 04:21:05	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43803	No
56	GOM_TRA_1PNPDE20100717_043141_000000382091_00162_43803_7367.N1	17-JUL-2010 04:31:41	Bright	37.500	168	17Zet Aql	2.9860	11000.	75	43803	No
57	GOM_TRA_1PNPDE20100717_043844_000000382091_00162_43803_7368.N1	17-JUL-2010 04:38:44	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	43803	No
58	GOM_TRA_1PNPDE20100717_044154_000000422091_00162_43803_7369.N1	17-JUL-2010 04:41:54	Bright	41.500	144	18Del Cyg	2.8600	11000.	83	43803	No
59	GOM_TRA_1PNPDE20100717_044410_000000502091_00162_43803_7370.N1	17-JUL-2010 04:44:10	Bright	49.500	19	50Alp Cyg	1.2460	10500.	99	43803	No
60	GOM_TRA_1PNPDE20100717_044905_000000442091_00162_43803_7371.N1	17-JUL-2010 04:49:05	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43803	No
61	GOM_TRA_1PNPDE20100717_045755_000000492091_00162_43803_7387.N1	17-JUL-2010 04:57:55	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	43803	No
62	GOM_TRA_1PNPDE20100717_050302_000000442091_00162_43803_7388.N1	17-JUL-2010 05:03:02	Bright	44.000	160	23Gam Per	2.9300	4700.0	88	43803	No
63	GOM_TRA_1PNPDE20100717_050423_000000442091_00162_43803_7389.N1	17-JUL-2010 05:04:23	Bright	44.000	35	33Alp Per	1.7950	6250.0	88	43803	No
64	GOM_TRA_1PNPDE20100717_050721_000000492091_00162_43803_7390.N1	17-JUL-2010 05:07:21	Bright	49.000	79	26Bet Per	2.3100	13100.	98	43803	No
65	GOM_TRA_1PNPDE20100717_051016_000000452091_00162_43803_7391.N1	17-JUL-2010 05:10:16	Twi_and_stray	44.500	150	44Zet Per	2.8900	28000.	89	43803	No
66	GOM_TRA_1PNPDE20100717_051252_000000422091_00162_43803_7392.N1	17-JUL-2010 05:12:52	Twilight	41.500	146	25Eta Tau	2.8730	15200.	83	43803	No
67	GOM_TRA_1PNPDE20100717_051427_000000382091_00162_43803_7393.N1	17-JUL-2010 05:14:27	Twilight	37.500	13	87Alp Tau	0.86700	3800.0	75	43803	No
68	GOM_TRA_1PNPDE20100717_052356_000000502091_00162_43803_7394.N1	17-JUL-2010 05:23:56	Dark	49.500	165	34Gam Eri	2.9500	3200.0	99	43803	No

69	GOM_TRA_1PNPDE20100717_053258_000000422091_00162_43803_7395.N1	17-JUL-2010 05:32:58	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43803	No
70	GOM_TRA_1PNPDE20100717_053906_000000442091_00163_43804_7396.N1	17-JUL-2010 05:39:06	Dark	43.500	9	Alp Eri	0.45300	24000.	87	43804	No
71	GOM_TRA_1PNPDE20100717_054211_000000582091_00163_43804_7397.N1	17-JUL-2010 05:42:11	Dark	57.500	84	Alp Phe	2.3970	4500.0	115	43804	No
72	GOM_TRA_1PNPDE20100717_054754_000000522091_00163_43804_7398.N1	17-JUL-2010 05:47:54	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	43804	No
73	GOM_TRA_1PNPDE20100717_054928_000000502091_00163_43804_7399.N1	17-JUL-2010 05:49:28	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	43804	No
74	GOM_TRA_1PNPDE20100717_055242_000000512091_00163_43804_7400.N1	17-JUL-2010 05:52:42	Straylight	50.500	172	Gam Gru	3.0030	13100.	101	43804	No
75	GOM_TRA_1PNPDE20100717_060142_000000402091_00163_43804_7401.N1	17-JUL-2010 06:01:42	Bright	39.500	155	41Pi Sgr	2.9000	6600.0	79	43804	No
76	GOM_TRA_1PNPDE20100717_061217_000000392091_00163_43804_7402.N1	17-JUL-2010 06:12:17	Bright	38.500	168	17Zet Aql	2.9860	11000.	77	43804	No
77	GOM_TRA_1PNPDE20100717_061920_000000422091_00163_43804_7403.N1	17-JUL-2010 06:19:20	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	43804	No
78	GOM_TRA_1PNPDE20100717_062230_000000432091_00163_43804_7404.N1	17-JUL-2010 06:22:30	Bright	42.500	144	18Del Cyg	2.8600	11000.	85	43804	No
79	GOM_TRA_1PNPDE20100717_062445_000000502091_00163_43804_7405.N1	17-JUL-2010 06:24:45	Bright	50.000	19	50Alp Cyg	1.2460	10500.	100	43804	No
80	GOM_TRA_1PNPDE20100717_062940_000000432091_00163_43804_7406.N1	17-JUL-2010 06:29:40	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	43804	No
81	GOM_TRA_1PNPDE20100717_205811_000000512091_00172_43813_7513.N1	17-JUL-2010 20:58:11	Straylight	51.000	172	Gam Gru	3.0030	13100.	102	43813	No
82	GOM_TRA_1PNPDE20100717_210707_000000402091_00172_43813_7514.N1	17-JUL-2010 21:07:07	Bright	39.500	155	41Pi Sgr	2.9000	6600.0	79	43813	No
83	GOM_TRA_1PNPDE20100717_211739_000000392091_00172_43813_7515.N1	17-JUL-2010 21:17:39	Bright	38.500	168	17Zet Aql	2.9860	11000.	77	43813	No
84	GOM_TRA_1PNPDE20100717_212442_000000382091_00172_43813_7516.N1	17-JUL-2010 21:24:42	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	43813	No
85	GOM_TRA_1PNPDE20100717_212749_000000432091_00172_43813_7517.N1	17-JUL-2010 21:27:49	Bright	42.500	144	18Del Cyg	2.8600	11000.	85	43813	No
86	GOM_TRA_1PNPDE20100717_213001_000000532091_00172_43813_7518.N1	17-JUL-2010 21:30:01	Bright	53.000	19	50Alp Cyg	1.2460	10500.	106	43813	No
87	GOM_TRA_1PNPDE20100717_213458_000000442091_00172_43813_7519.N1	17-JUL-2010 21:34:58	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43813	No
88	GOM_TRA_1PNPDE20100717_214349_000000482091_00172_43813_7520.N1	17-JUL-2010 21:43:49	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43813	No
89	GOM_TRA_1PNPDE20100717_214859_000000622091_00172_43813_7521.N1	17-JUL-2010 21:48:59	Bright	62.000	160	23Gam Per	2.9300	4700.0	124	43813	No
90	GOM_TRA_1PNPDE20100717_215022_000000452091_00172_43813_7522.N1	17-JUL-2010 21:50:22	Bright	44.500	35	33Alp Per	1.7950	6250.0	89	43813	No
91	GOM_TRA_1PNPDE20100717_215320_000000482091_00172_43813_7523.N1	17-JUL-2010 21:53:20	Bright	47.500	79	26Bet Per	2.3100	13100.	95	43813	No
92	GOM_TRA_1PNPDE20100717_215617_000000462091_00172_43813_7524.N1	17-JUL-2010 21:56:17	Twilight	45.500	150	44Zet Per	2.8900	28000.	91	43813	No
93	GOM_TRA_1PNPDE20100717_215854_000000472091_00172_43813_7525.N1	17-JUL-2010 21:58:54	Twilight	47.000	146	25Eta Tau	2.8730	15200.	94	43813	No
94	GOM_TRA_1PNPDE20100717_220029_000000512091_00172_43813_7526.N1	17-JUL-2010 22:00:29	Twilight	51.000	13	87Alp Tau	0.86700	3800.0	102	43813	No
95	GOM_TRA_1PNPDE20100717_220704_000000632091_00172_43813_7527.N1	17-JUL-2010 22:07:04	Dark	63.000	94	92Alp Cet	2.5260	3100.0	126	43813	No
96	GOM_TRA_1PNPDE20100717_221001_000000472091_00172_43813_7534.N1	17-JUL-2010 22:10:01	Dark	47.000	165	34Gam Eri	2.9500	3200.0	94	43813	No
97	GOM_TRA_1PNPDE20100717_221904_000000432091_00172_43813_7535.N1	17-JUL-2010 22:19:04	Dark	42.500	157	The1Eri	2.9060	9300.0	85	43813	No
98	GOM_TRA_1PNPDE20100717_222511_000000442091_00173_43814_7536.N1	17-JUL-2010 22:25:11	Dark	43.500	9	Alp Eri	0.45300	24000.	87	43814	No
99	GOM_TRA_1PNPDE20100717_222822_000000552091_00173_43814_7537.N1	17-JUL-2010 22:28:22	Dark	55.000	84	Alp Phe	2.3970	4500.0	110	43814	No
100	GOM_TRA_1PNPDE20100717_223239_000000432091_00173_43814_7538.N1	17-JUL-2010 22:32:39	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	43814	No
101	GOM_TRA_1PNPDE20100717_223402_000000642091_00173_43814_7539.N1	17-JUL-2010 22:34:02	Straylight	63.500	63	Bet Gru	2.1500	2800.0	127	43814	No
102	GOM_TRA_1PNPDE20100717_223535_000000532091_00173_43814_7540.N1	17-JUL-2010 22:35:35	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	43814	No
103	GOM_TRA_1PNPDE20100717_223848_000000502091_00173_43814_7541.N1	17-JUL-2010 22:38:48	Straylight	50.000	172	Gam Gru	3.0030	13100.	100	43814	No
104	GOM_TRA_1PNPDE20100717_224743_000000402091_00173_43814_7542.N1	17-JUL-2010 22:47:43	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	43814	No
105	GOM_TRA_1PNPDE20100717_225814_000000402091_00173_43814_7543.N1	17-JUL-2010 22:58:14	Bright	39.500	168	17Zet Aql	2.9860	11000.	79	43814	No
106	GOM_TRA_1PNPDE20100717_230518_000000412091_00173_43814_7544.N1	17-JUL-2010 23:05:18	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43814	No
107	GOM_TRA_1PNPDE20100717_230824_000000412091_00173_43814_7545.N1	17-JUL-2010 23:08:24	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	43814	No
108	GOM_TRA_1PNPDE20100717_231037_000000712091_00173_43814_7546.N1	17-JUL-2010 23:10:37	Bright	71.000	19	50Alp Cyg	1.2460	10500.	142	43814	No
109	GOM_TRA_1PNPDE20100717_231534_000000452091_00173_43814_7547.N1	17-JUL-2010 23:15:34	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43814	No
110	GOM_TRA_1PNPDE20100717_232424_000000482091_00173_43814_7548.N1	17-JUL-2010 23:24:24	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	43814	No
111	GOM_TRA_1PNPDE20100717_232935_000000442091_00173_43814_7549.N1	17-JUL-2010 23:29:35	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	43814	No
112	GOM_TRA_1PNPDE20100717_233058_000000432091_00173_43814_7550.N1	17-JUL-2010 23:30:58	Bright	43.000	35	33Alp Per	1.7950	6250.0	86	43814	No
113	GOM_TRA_1PNPDE20100717_233356_000000482091_00173_43814_7551.N1	17-JUL-2010 23:33:56	Bright	47.500	79	26Bet Per	2.3100	13100.	95	43814	No
114	GOM_TRA_1PNPDE20100717_233653_000000442091_00173_43814_7552.N1	17-JUL-2010 23:36:53	Twilight	44.000	150	44Zet Per	2.8900	28000.	88	43814	No
115	GOM_TRA_1PNPDE20100717_233930_000000462091_00173_43814_7553.N1	17-JUL-2010 23:39:30	Twilight	45.500	146	25Eta Tau	2.8730	15200.	91	43814	No
116	GOM_TRA_1PNPDE20100717_234105_000000552091_00173_43814_7554.N1	17-JUL-2010 23:41:05	Twilight	54.500	13	87Alp Tau	0.86700	3800.0	109	43814	No
117	GOM_TRA_1PNPDE20100717_234740_000000742091_00173_43814_7555.N1	17-JUL-2010 23:47:40	Dark	73.500	94	92Alp Cet	2.5260	3100.0	147	43814	No
118	GOM_TRA_1PNPDE20100717_235037_000000462091_00173_43814_7556.N1	17-JUL-2010 23:50:37	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	43814	No
119	GOM_TRA_1PNPDE20100717_235941_000000422091_00173_43814_7563.N1	17-JUL-2010 23:59:41	Dark	42.000	157	The1Eri	2.9060	9300.0	84	43814	No

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



4. Overview of dark signal processing per product

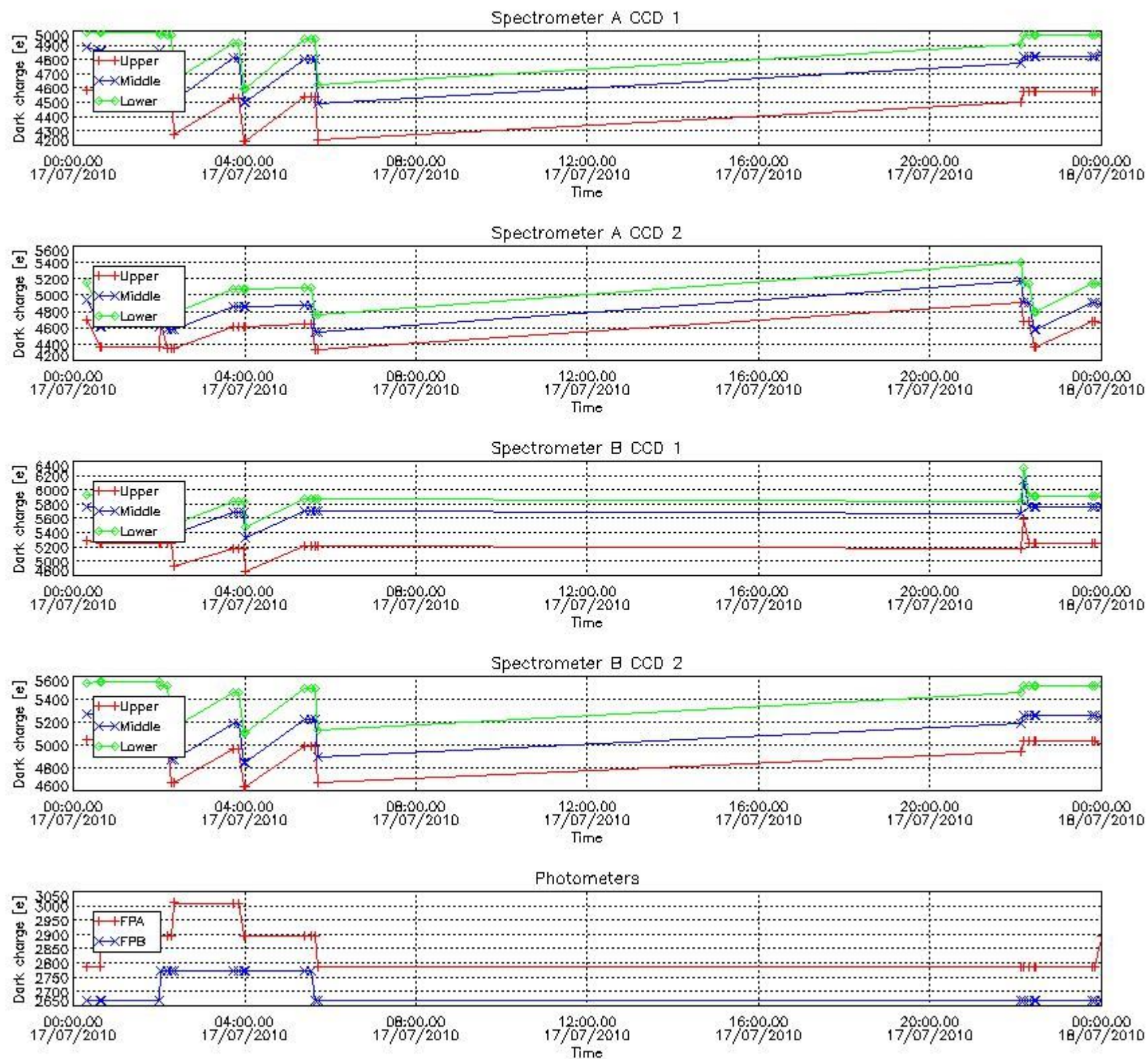
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100717_205811_000000512091_00172_43813_7513.N1	DC map used
GOM_TRA_1PNPDE20100717_210707_000000402091_00172_43813_7514.N1	DC map used
GOM_TRA_1PNPDE20100717_211739_000000392091_00172_43813_7515.N1	DC map used
GOM_TRA_1PNPDE20100717_212442_000000382091_00172_43813_7516.N1	DC map used
GOM_TRA_1PNPDE20100717_212749_000000432091_00172_43813_7517.N1	DC map used
GOM_TRA_1PNPDE20100717_213001_000000532091_00172_43813_7518.N1	DC map used
GOM_TRA_1PNPDE20100717_213458_000000442091_00172_43813_7519.N1	DC map used
GOM_TRA_1PNPDE20100717_214349_000000482091_00172_43813_7520.N1	DC map used
GOM_TRA_1PNPDE20100717_214859_000000622091_00172_43813_7521.N1	DC map used
GOM_TRA_1PNPDE20100717_215022_000000452091_00172_43813_7522.N1	DC map used
GOM_TRA_1PNPDE20100717_215320_000000482091_00172_43813_7523.N1	DC map used
GOM_TRA_1PNPDE20100717_215617_000000462091_00172_43813_7524.N1	DC map used
GOM_TRA_1PNPDE20100717_215854_000000472091_00172_43813_7525.N1	DC map used
GOM_TRA_1PNPDE20100717_220029_000000512091_00172_43813_7526.N1	DC map used

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



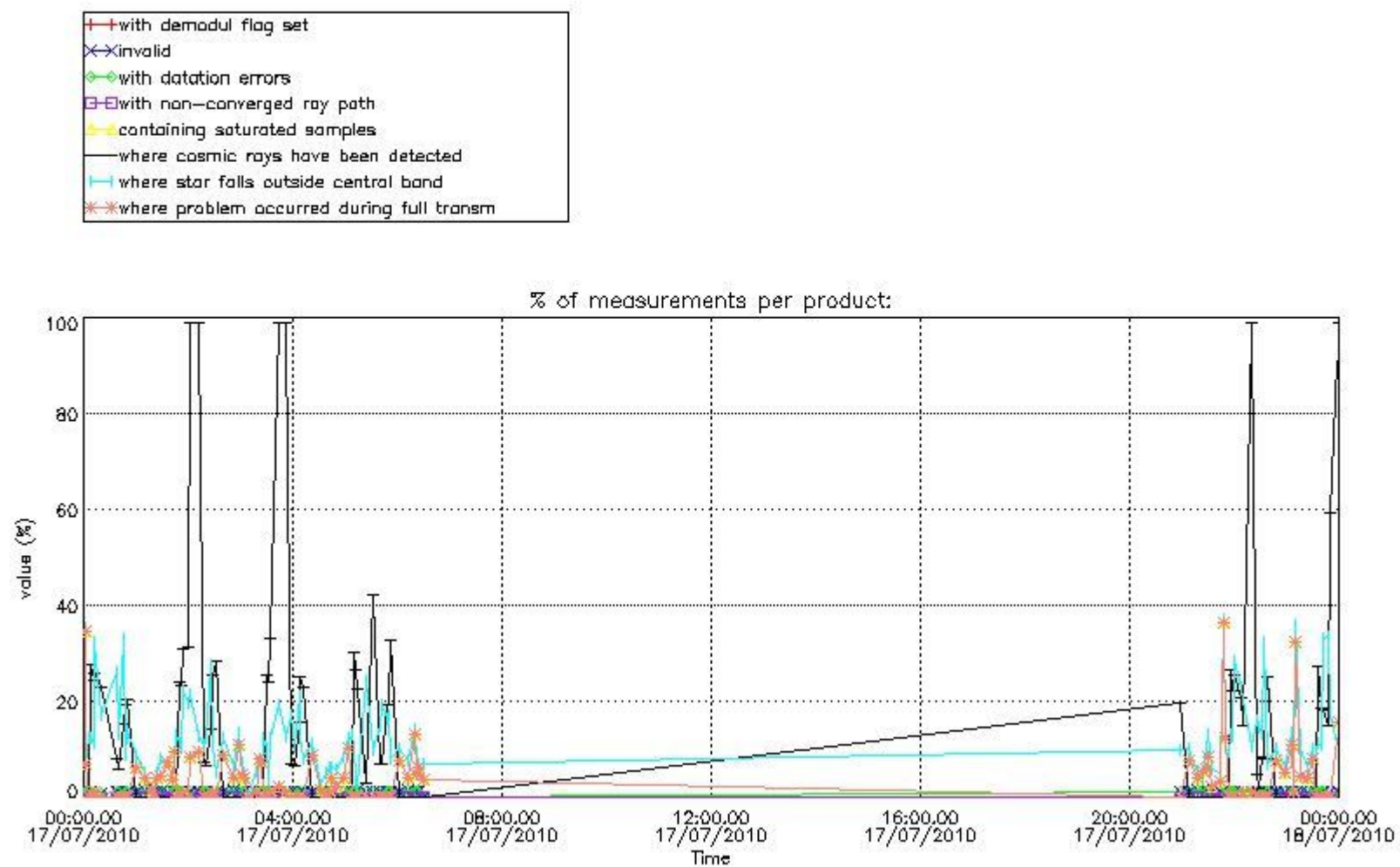
5. Demodulation flag and quality information monitoring

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.

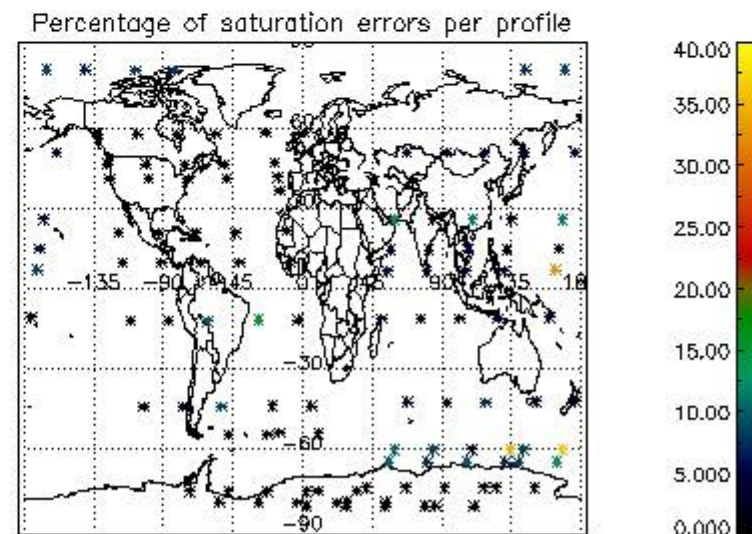
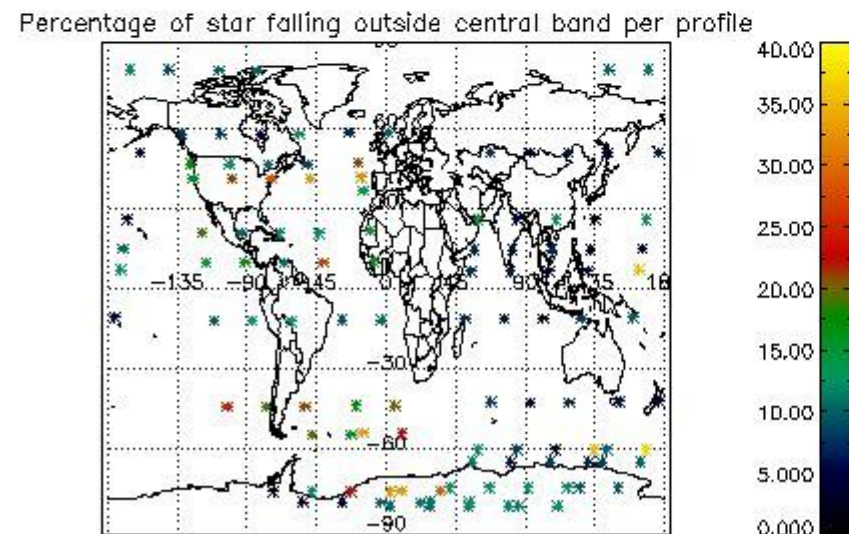
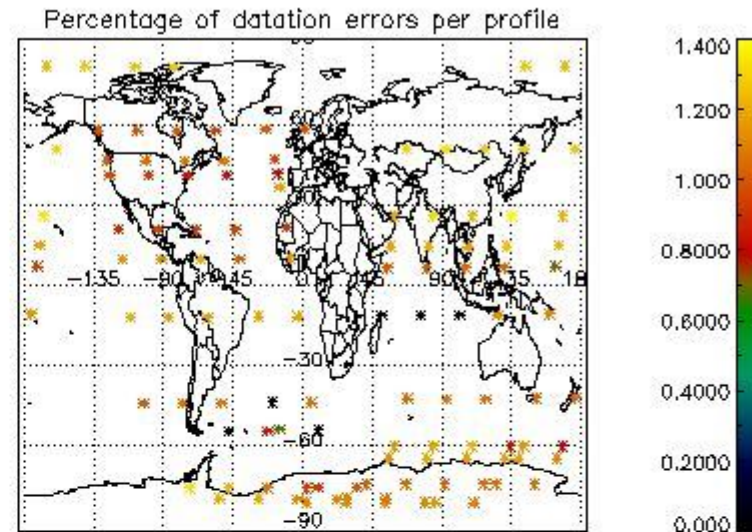
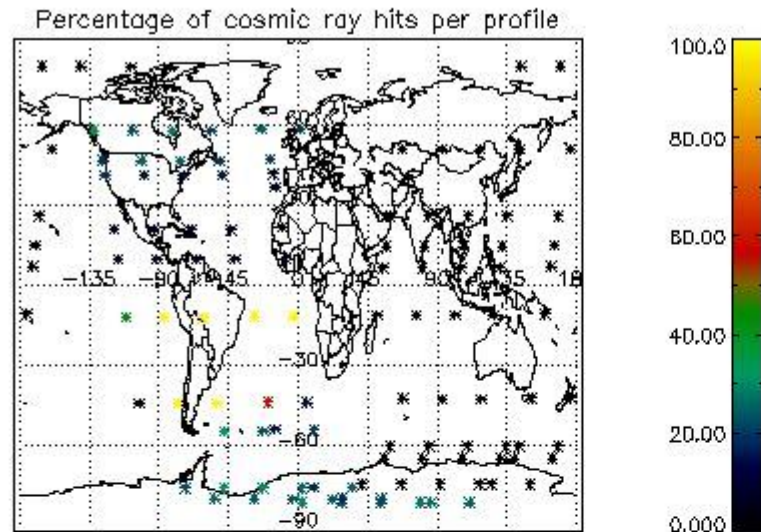
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	41.5254 %
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)



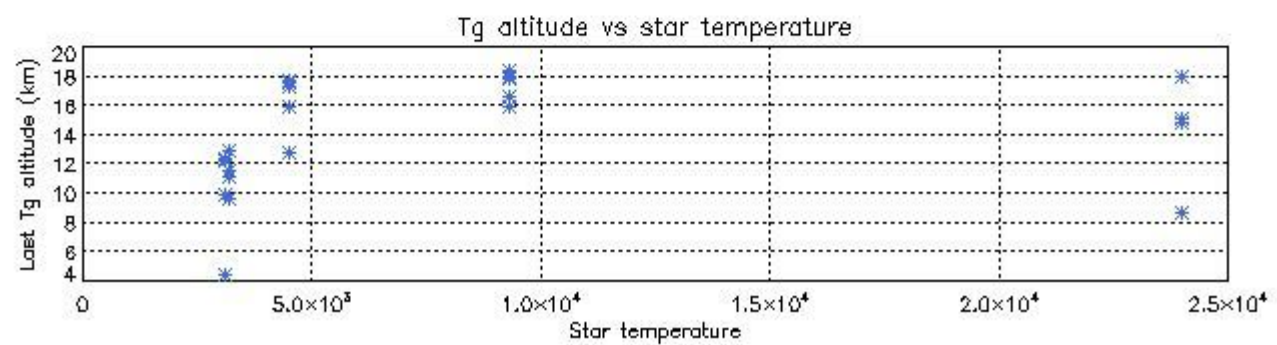
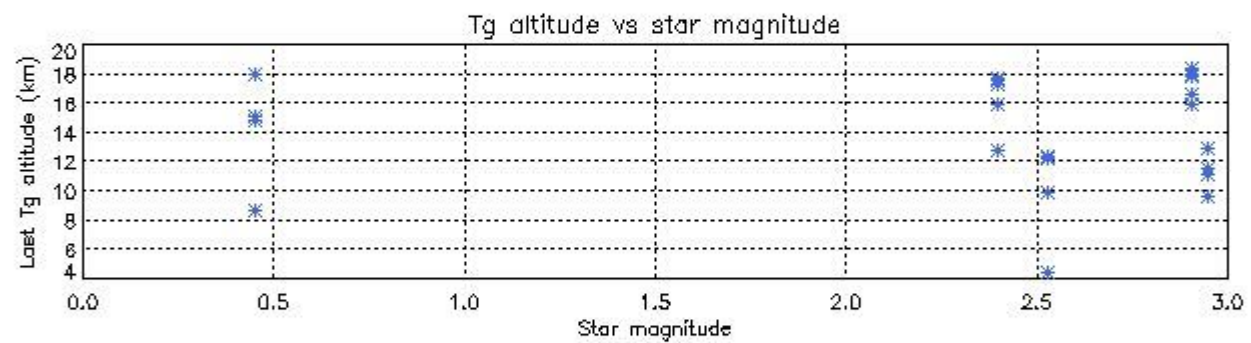
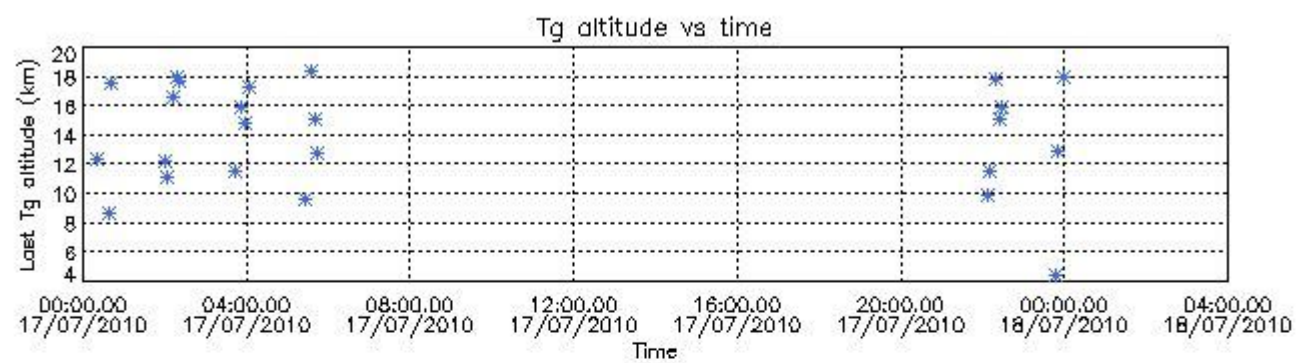
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.959	19.137	14.054
St. deviation:	3.6440	4.5940	5.9938
Maximum:	18.358	30.800	21.567
Minimum:	4.4385	2.9829	4.9936
Number of data:	24.000	59.000	12.000

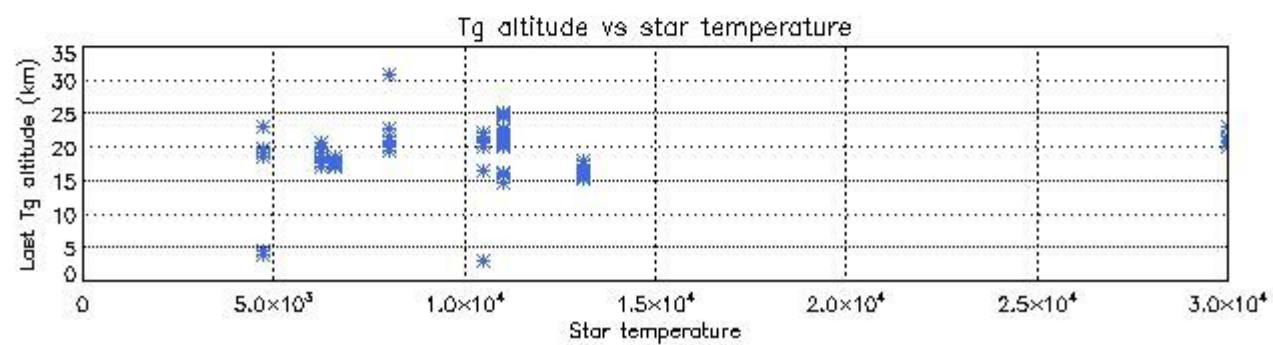
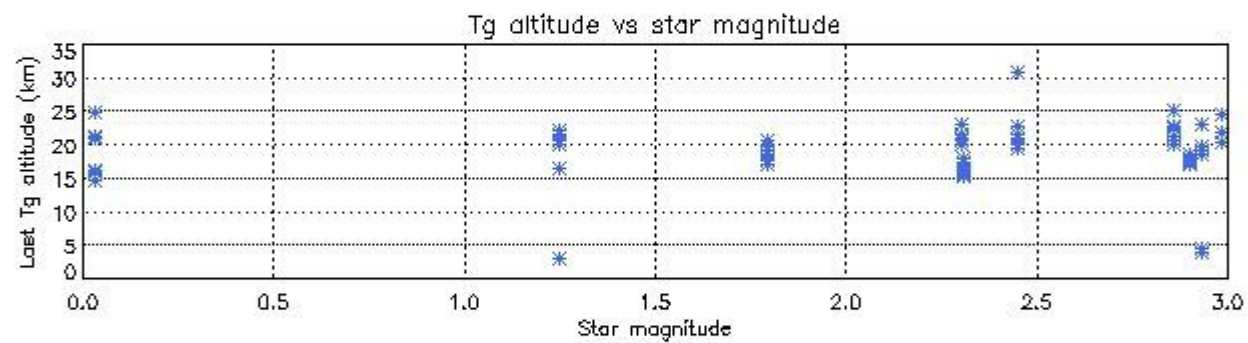
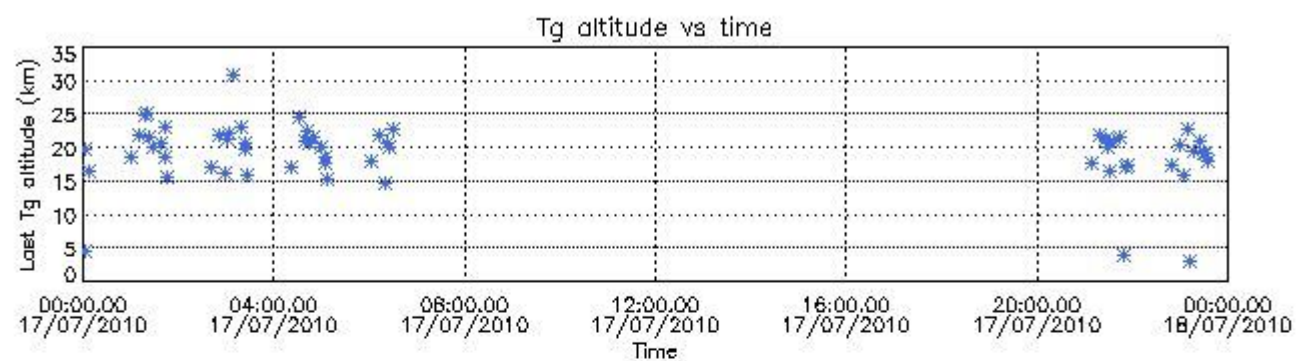
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



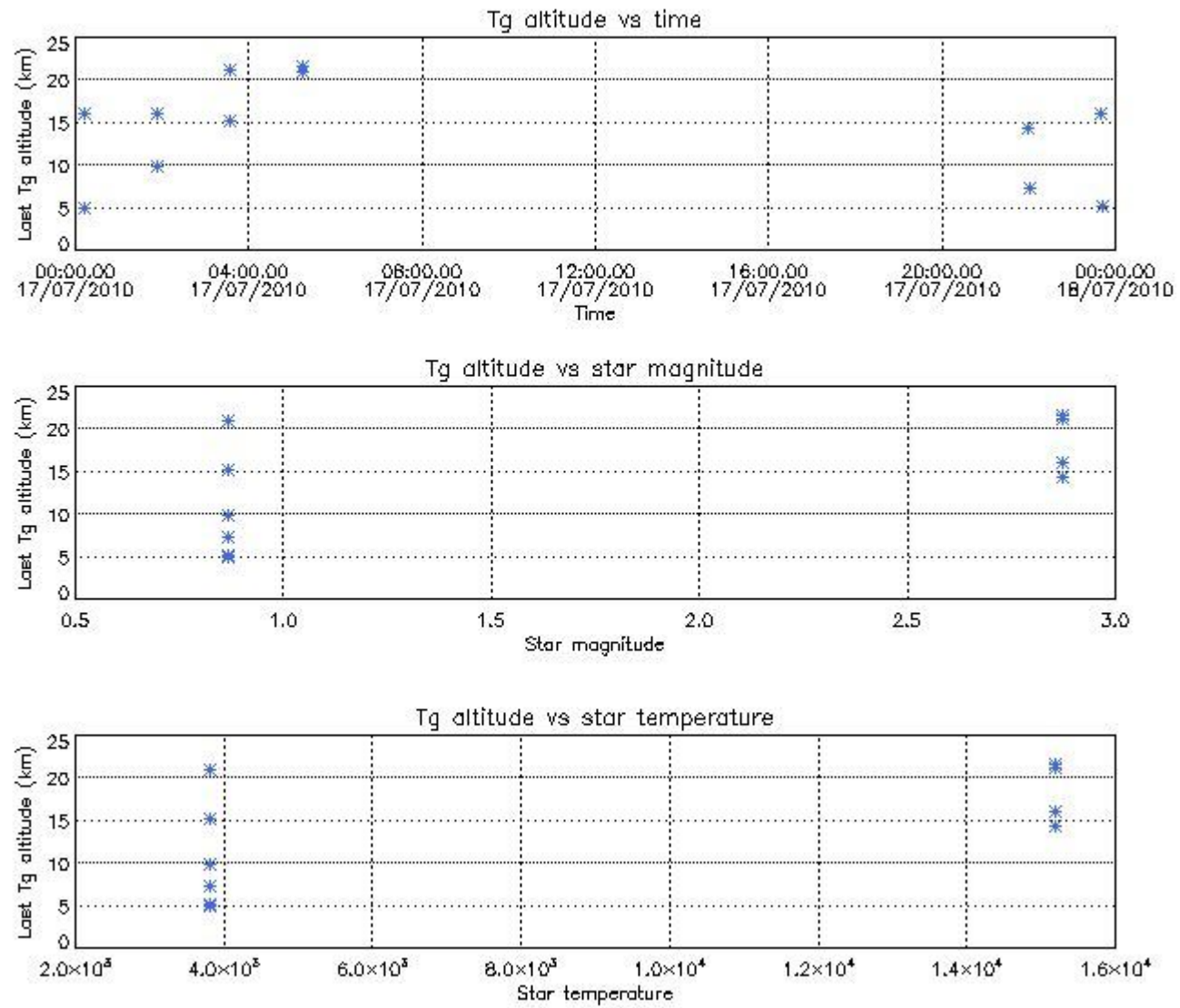
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

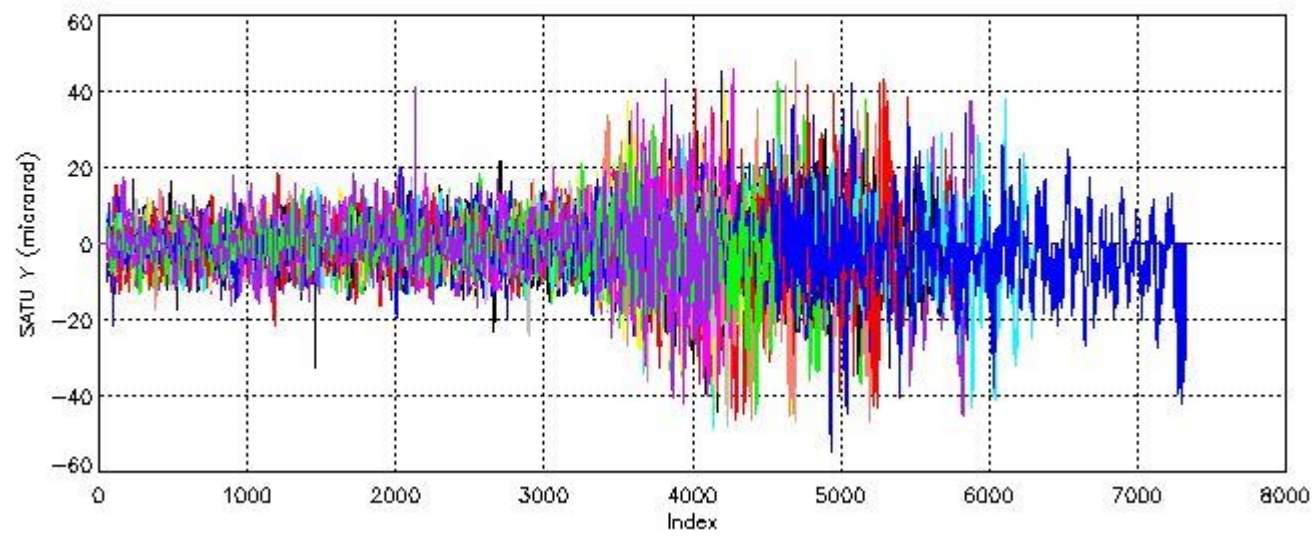
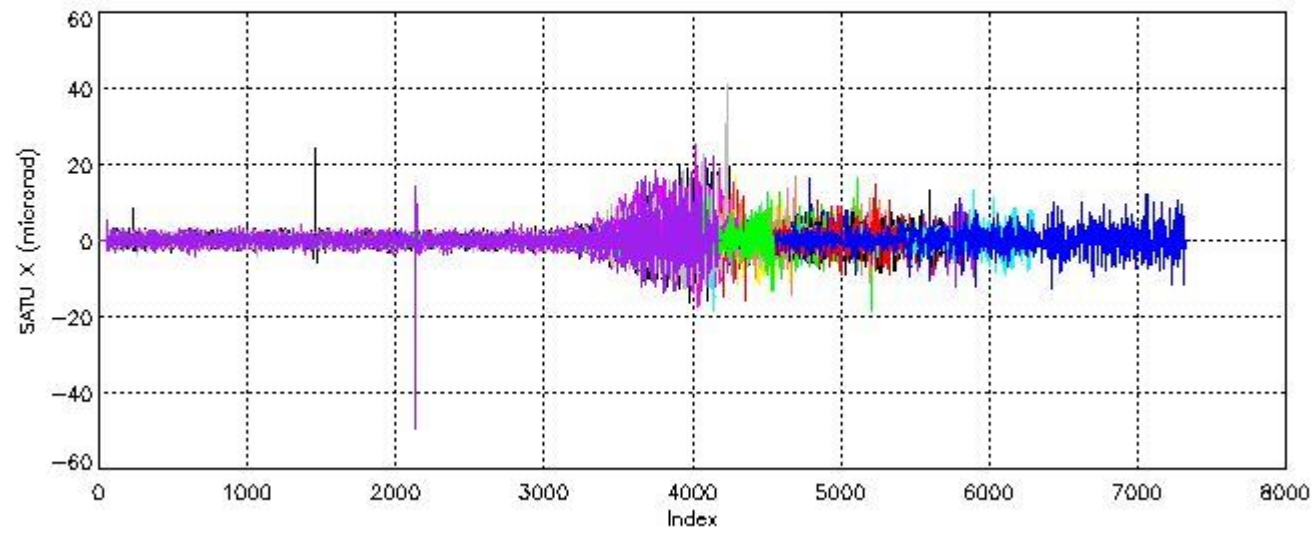


7. Star Acquisition and Tracking Unit (SATU)

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:	0.18754	-0.57504	0.19553	-0.36659
St. deviation:	0.51518	4.3279	0.87154	3.9725
Maximum:	8.4000	17.800	7.9000	18.500
Minimum:	-4.3000	-21.700	-6.1000	-16.700

Number of data:	25600.	25600.	60800.	60800.
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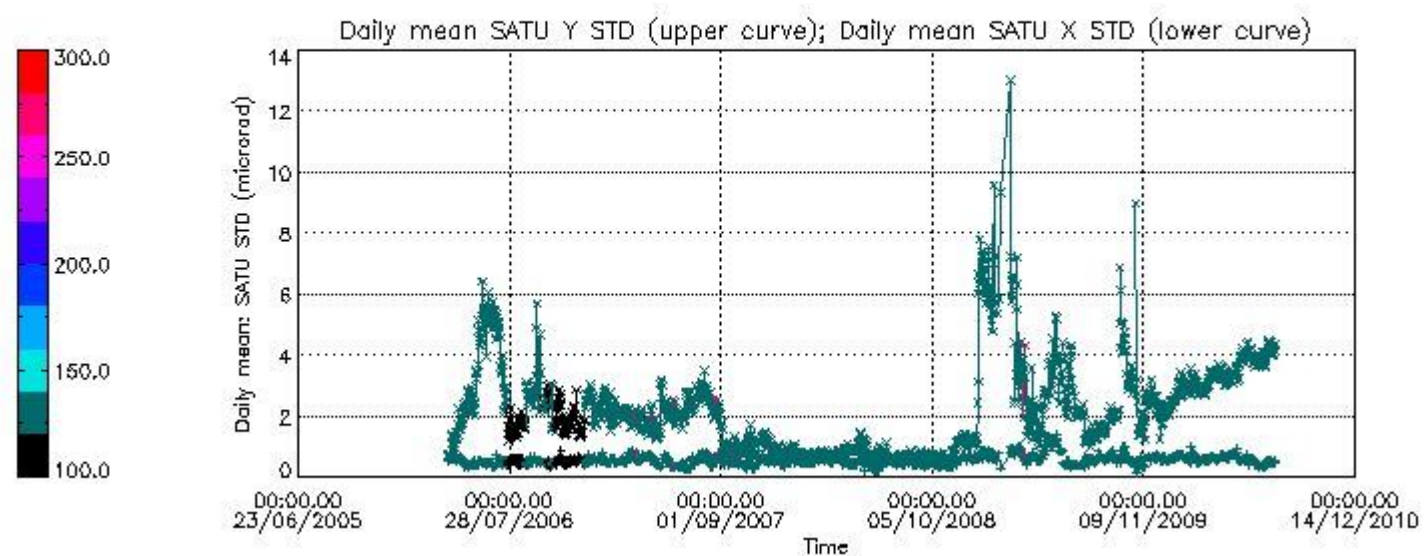
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

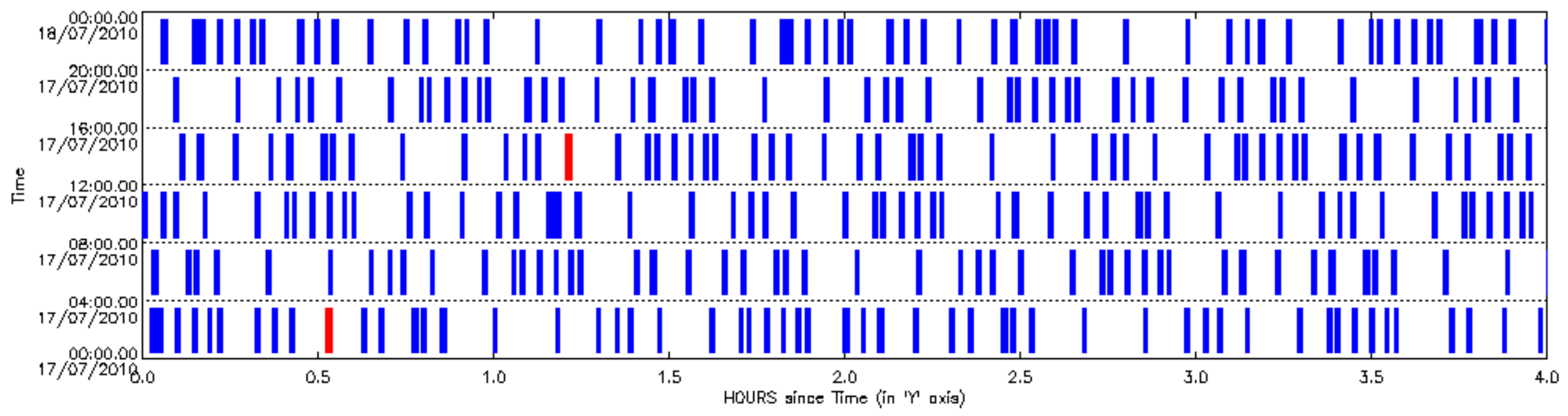
Lower curve: STD of SATU X axis

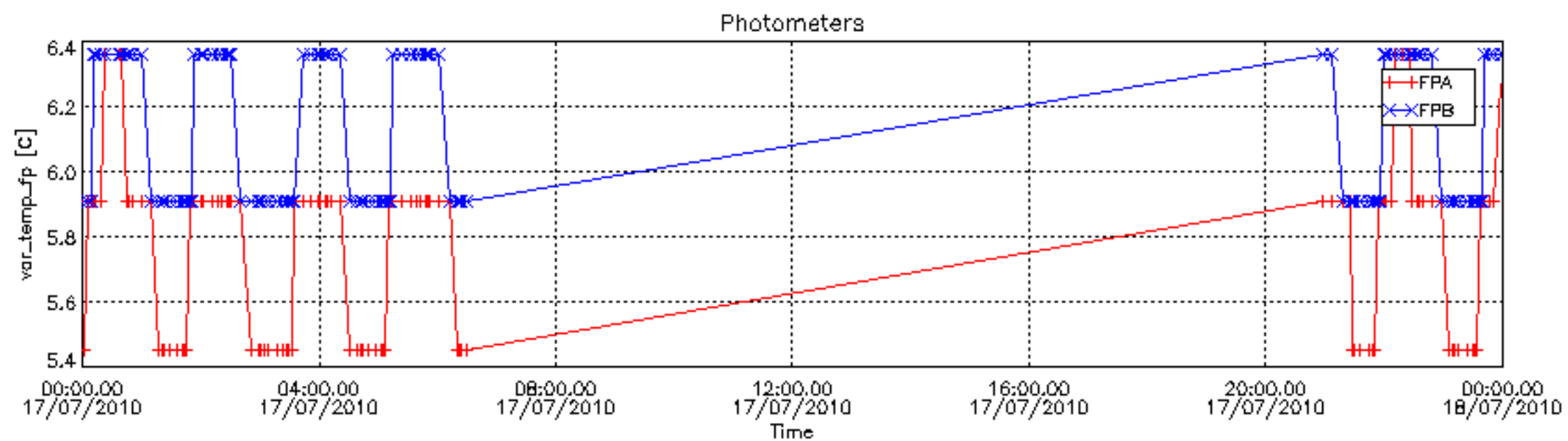
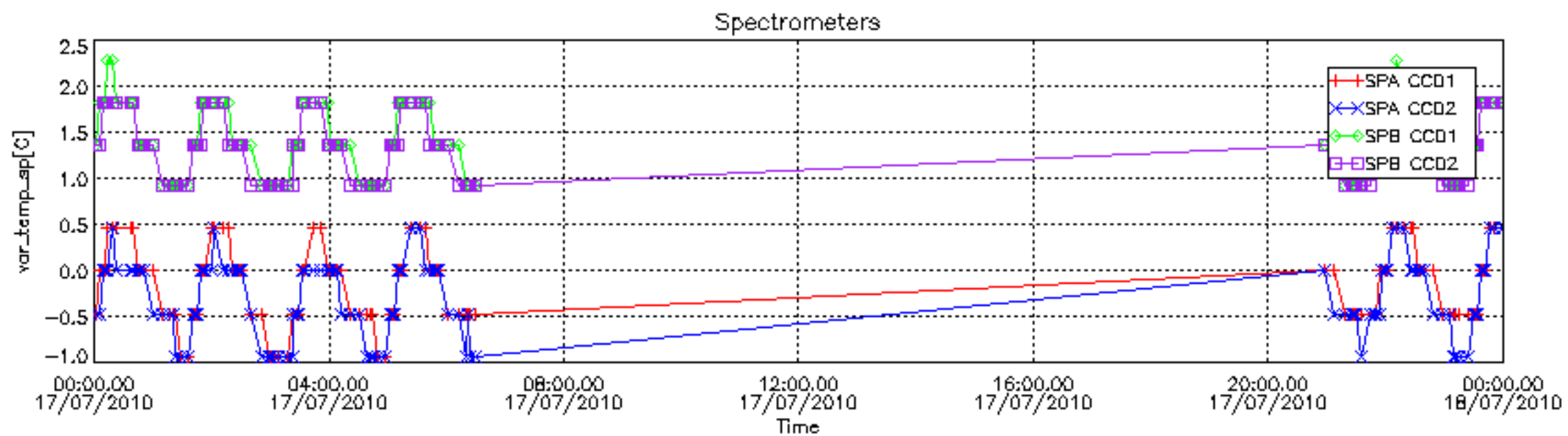


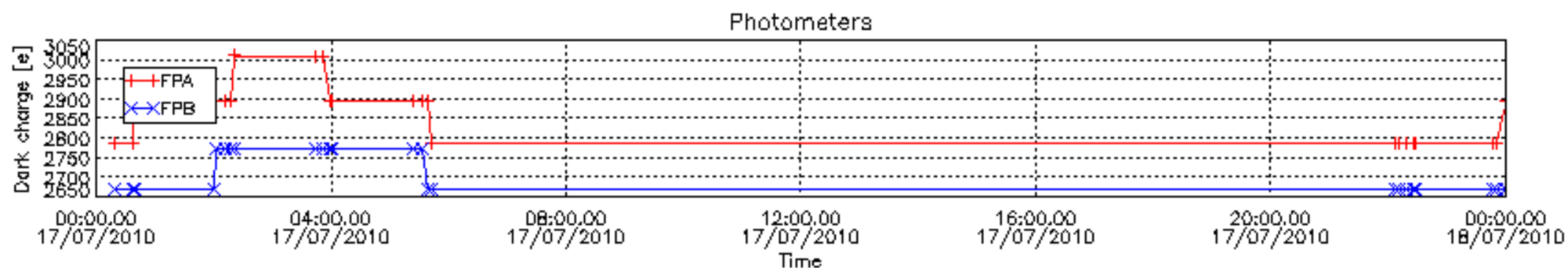
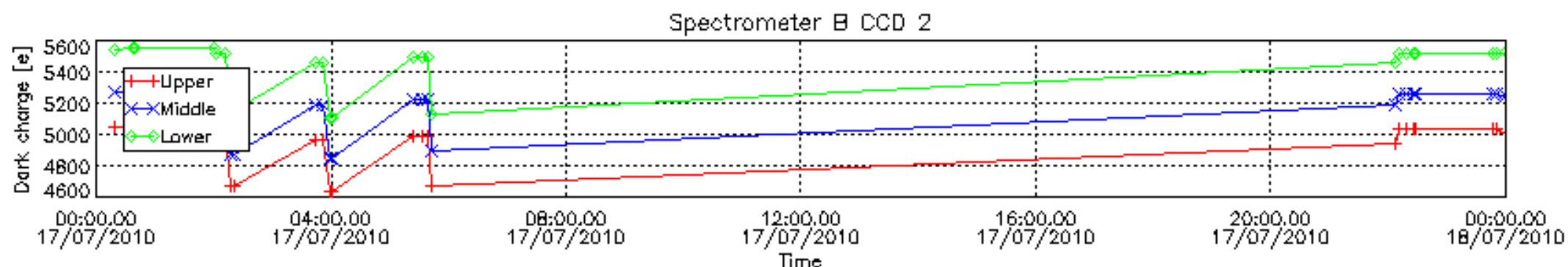
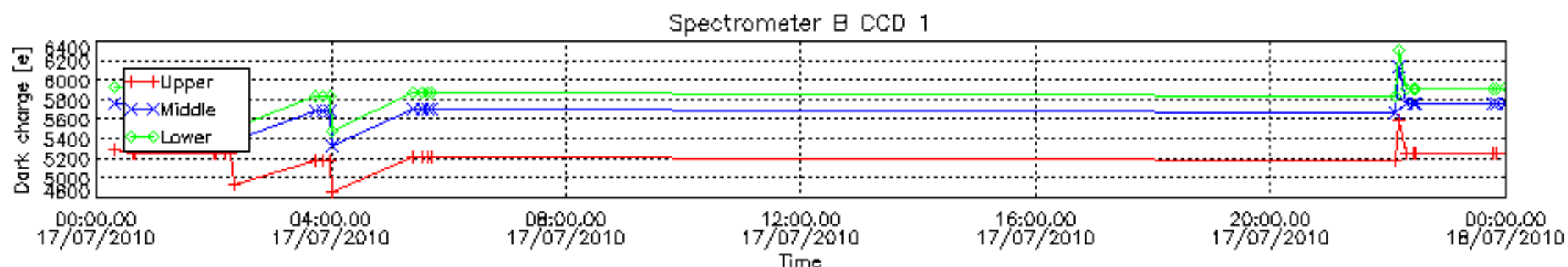
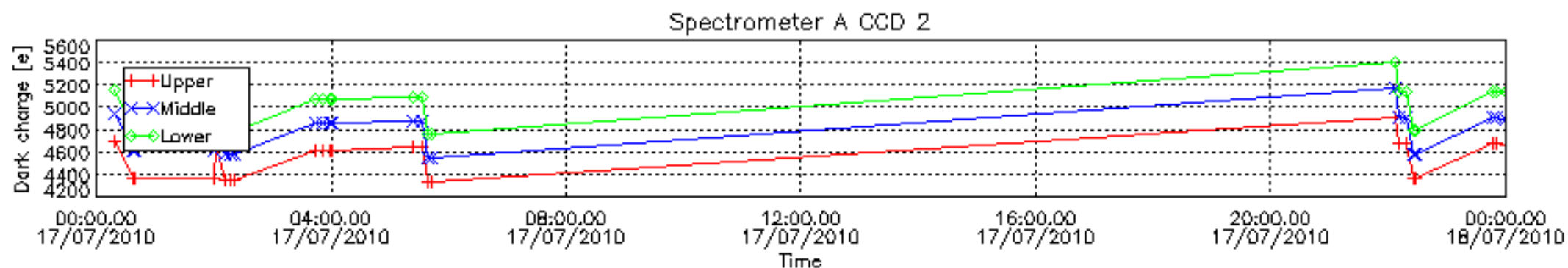
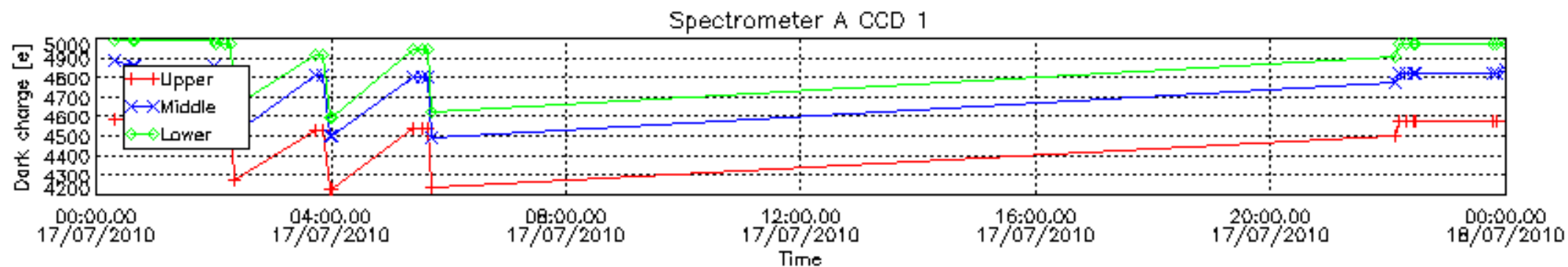
8. Auxiliary Data Files used for the production reported in section 2.4

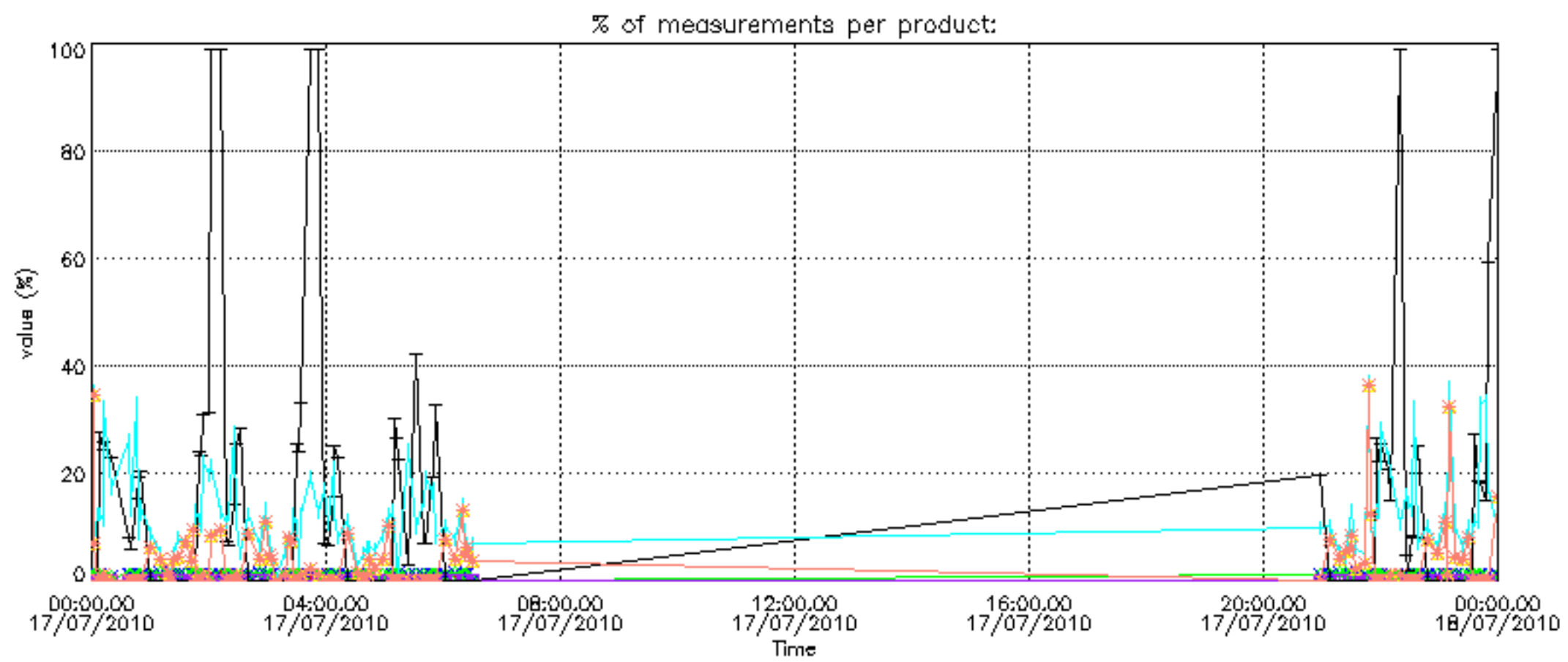
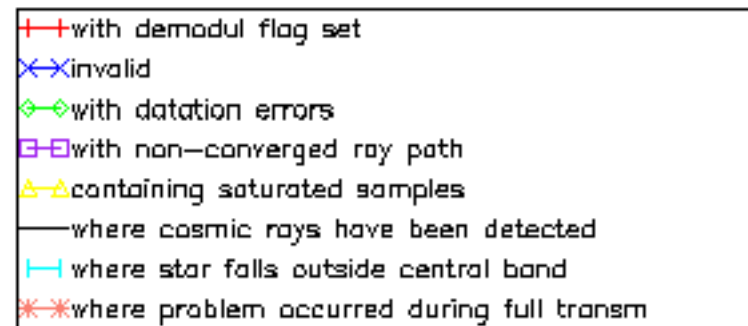
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-JUL-2010 00:01:14
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100714_082217_20100712_000000_20500101_000000	1	17-JUL-2010 00:01:14
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	17-JUL-2010 00:01:14
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	17-JUL-2010 00:01:14
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	17-JUL-2010 00:01:14
ECMWF_FILE	AUX_ECF_AXNECM20100716_054112_20100716_210000_20100717_090000	1	17-JUL-2010 00:01:14
ECMWF_FILE	AUX_ECF_AXNECM20100716_172114_20100717_030000_20100717_150000	41	17-JUL-2010 03:17:20
ECMWF_FILE	AUX_ECA_AXNECM20100717_052115_20100716_210000_20100717_090000	61	17-JUL-2010 04:57:55
ECMWF_FILE	AUX_ECF_AXNECM20100717_054115_20100717_150000_20100718_030000	81	17-JUL-2010 20:58:11
ECMWF_FILE	AUX_ECF_AXNECM20100717_054115_20100717_210000_20100718_090000	96	17-JUL-2010 22:10:01
OPTIONAL_ECMWF_FILE	MISSING	1	17-JUL-2010 00:01:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100716_224208_000054192091_00158_43799_0761.N1	1	17-JUL-2010 00:01:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100717_001746_000057382091_00159_43800_0762.N1	8	17-JUL-2010 00:22:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100717_015843_000041442091_00160_43801_0763.N1	28	17-JUL-2010 02:02:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100717_031306_000057382091_00161_43802_0764.N1	41	17-JUL-2010 03:17:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100717_045403_000057382091_00162_43803_0765.N1	61	17-JUL-2010 04:57:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100717_205544_000038252091_00172_43813_0766.N1	81	17-JUL-2010 20:58:11
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100717_092114_20100716_193245_20100726_205900	96	17-JUL-2010 22:10:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100717_235104_000054192091_00173_43814_0768.N1	119	17-JUL-2010 23:59:41

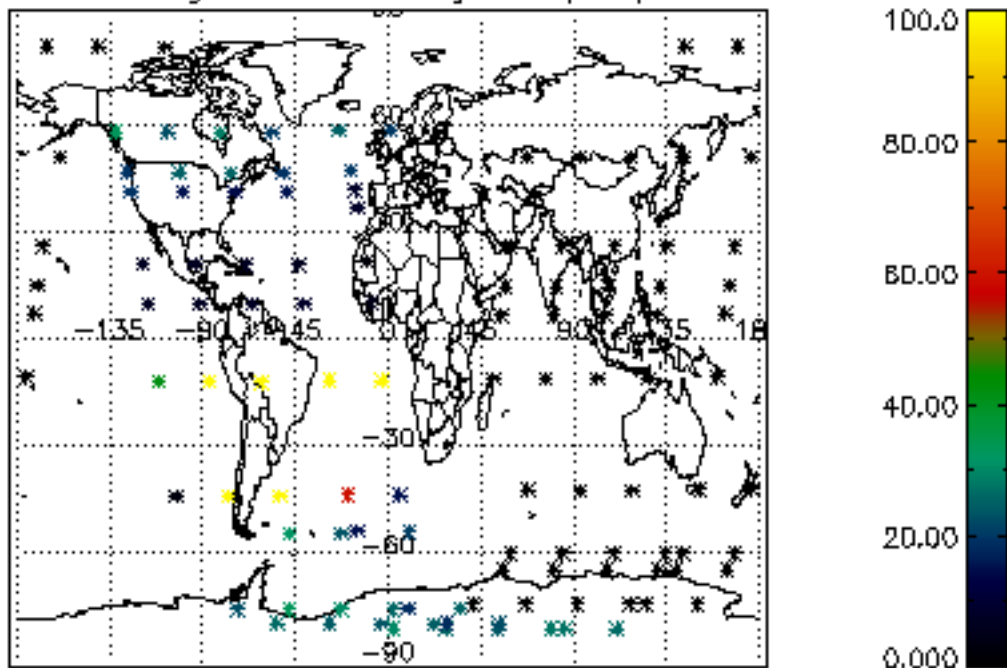




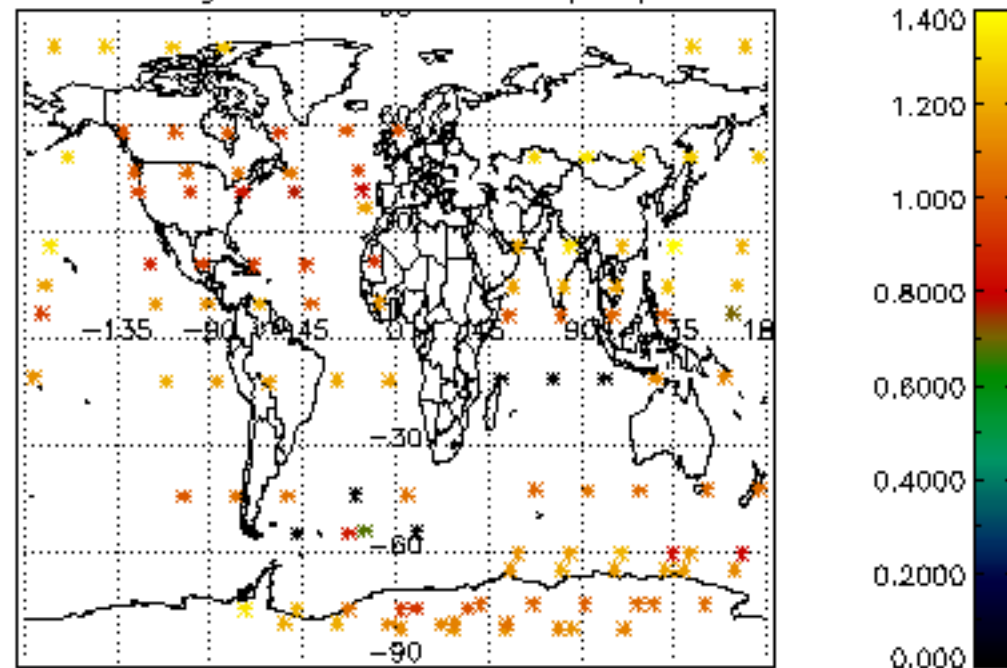




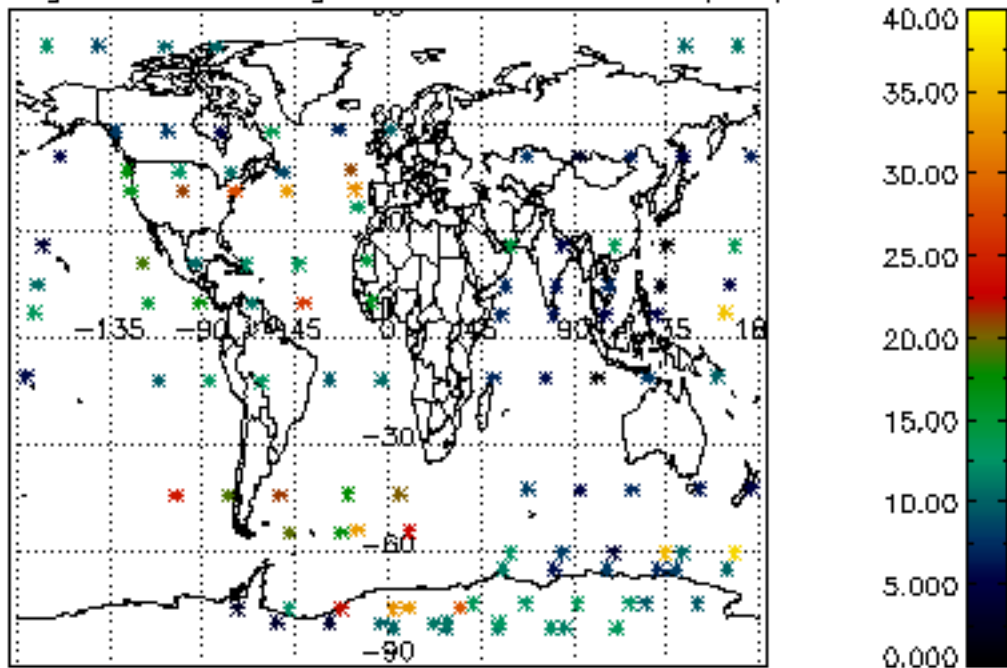
Percentage of cosmic ray hits per profile



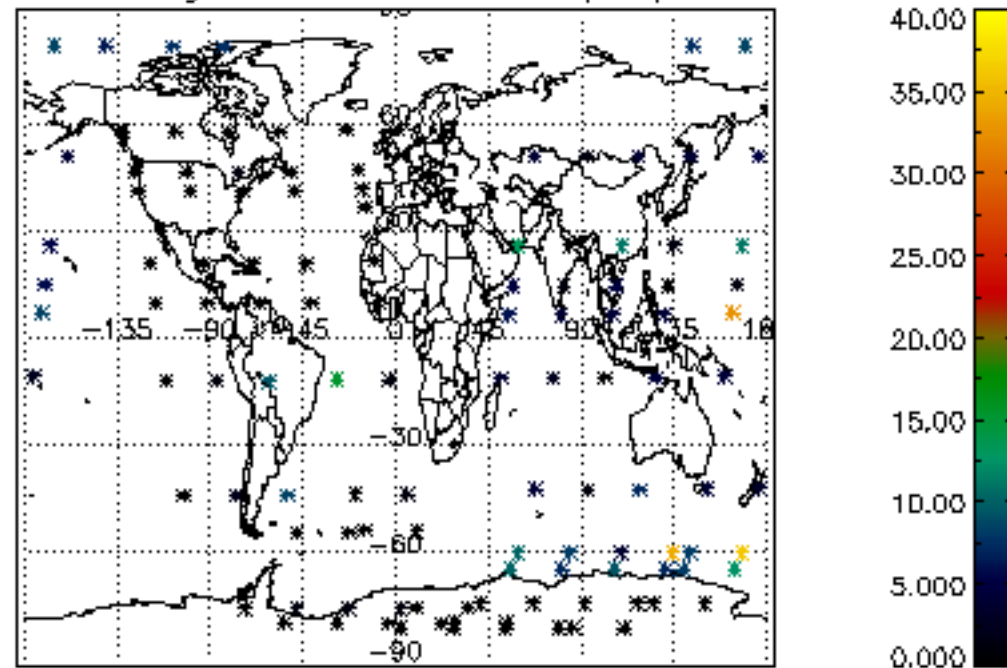
Percentage of datation errors per profile



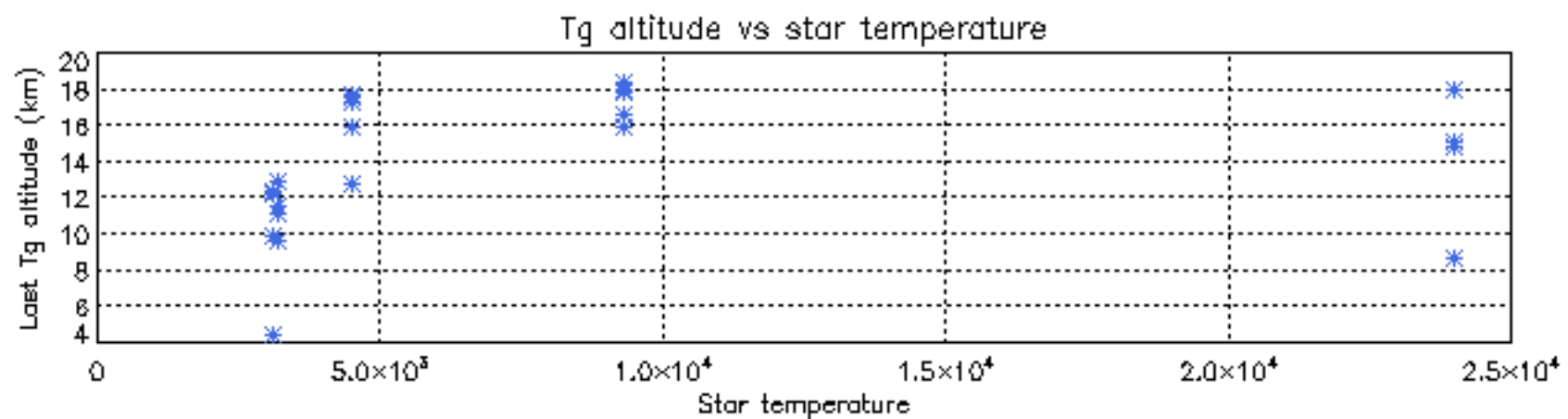
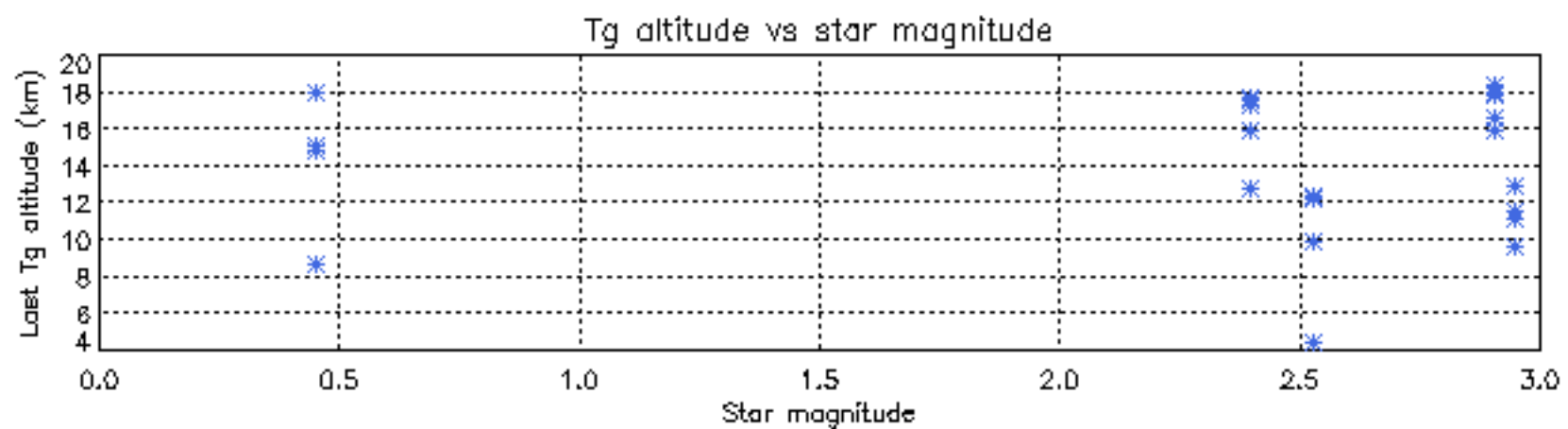
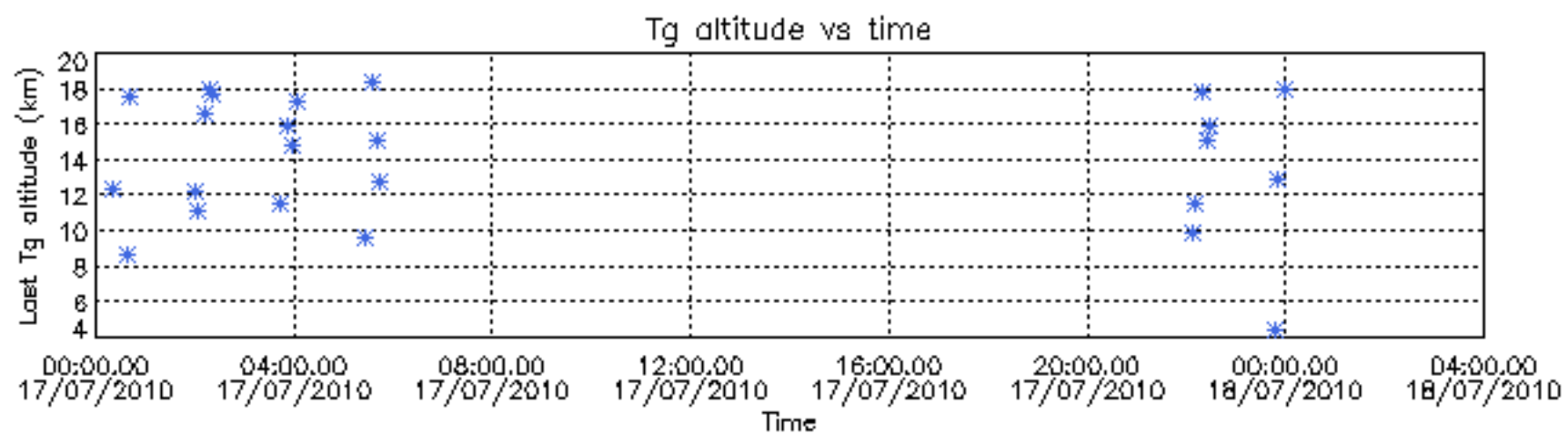
Percentage of star falling outside central band per profile



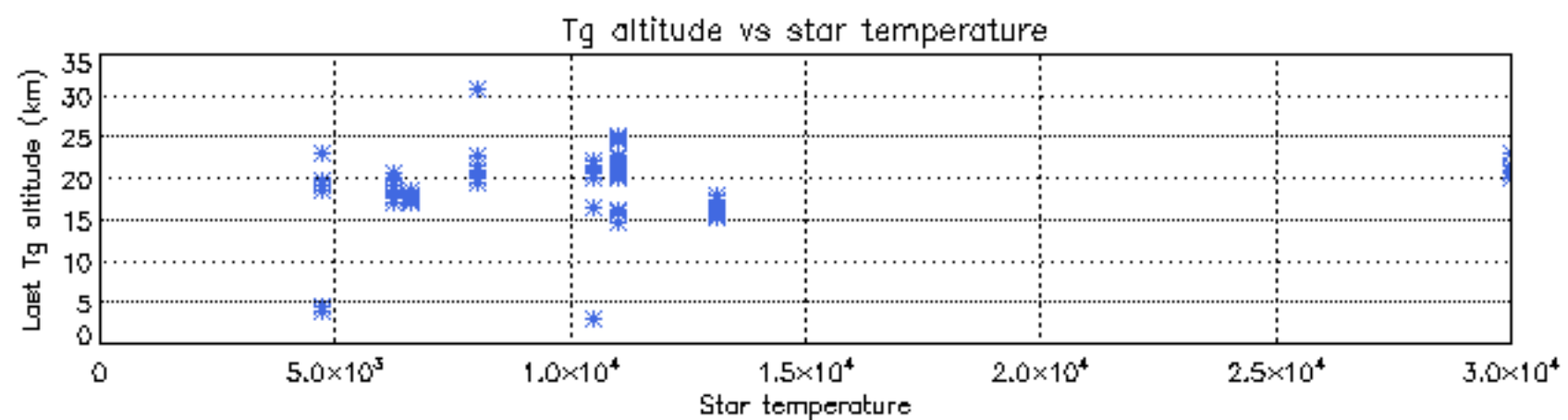
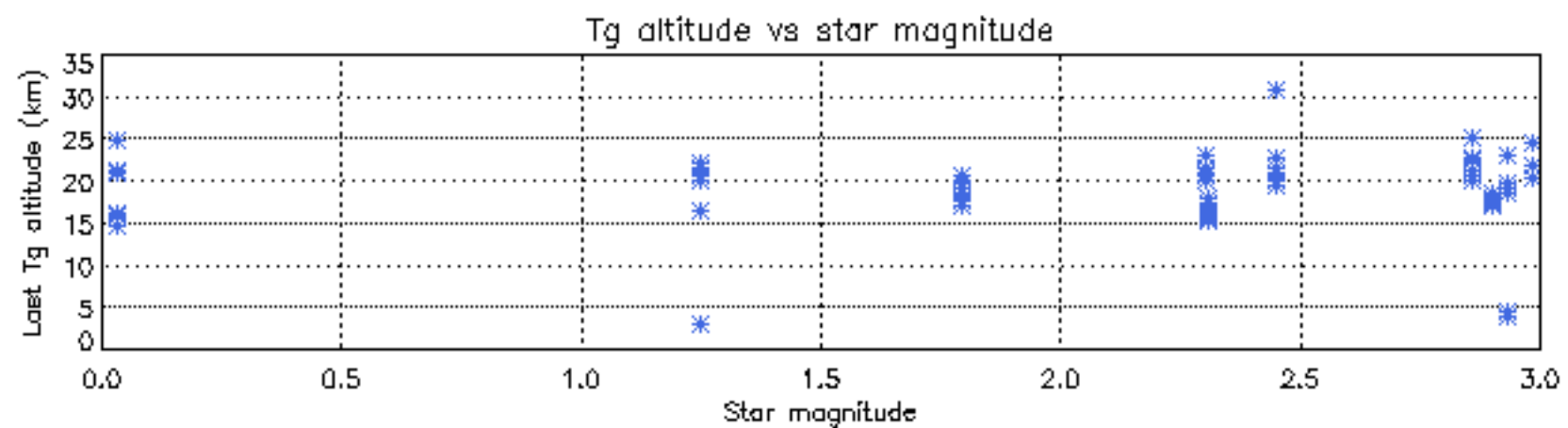
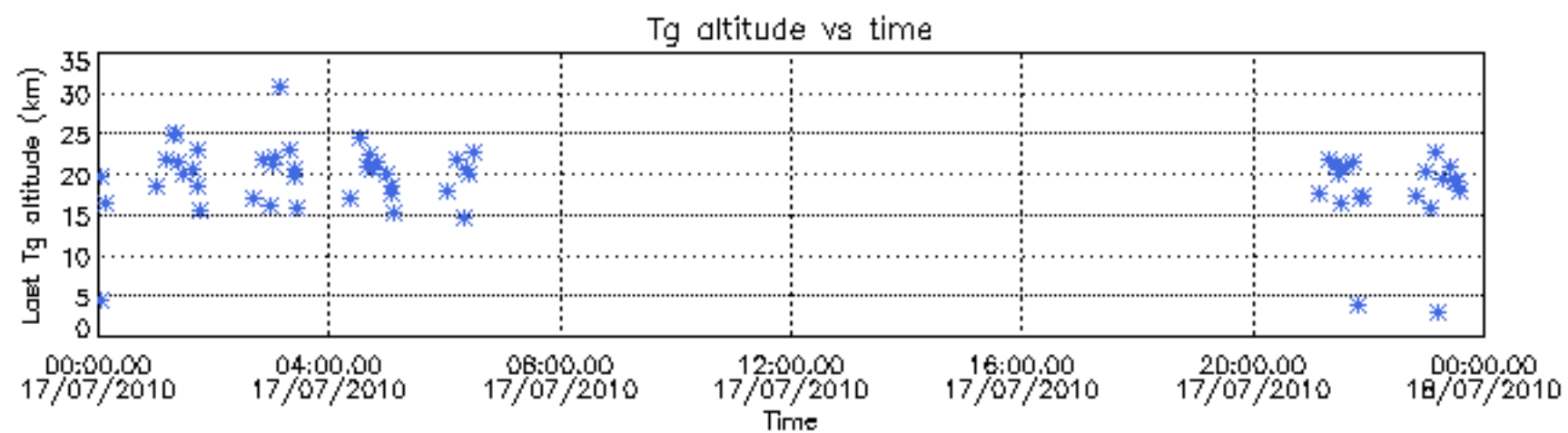
Percentage of saturation errors per profile



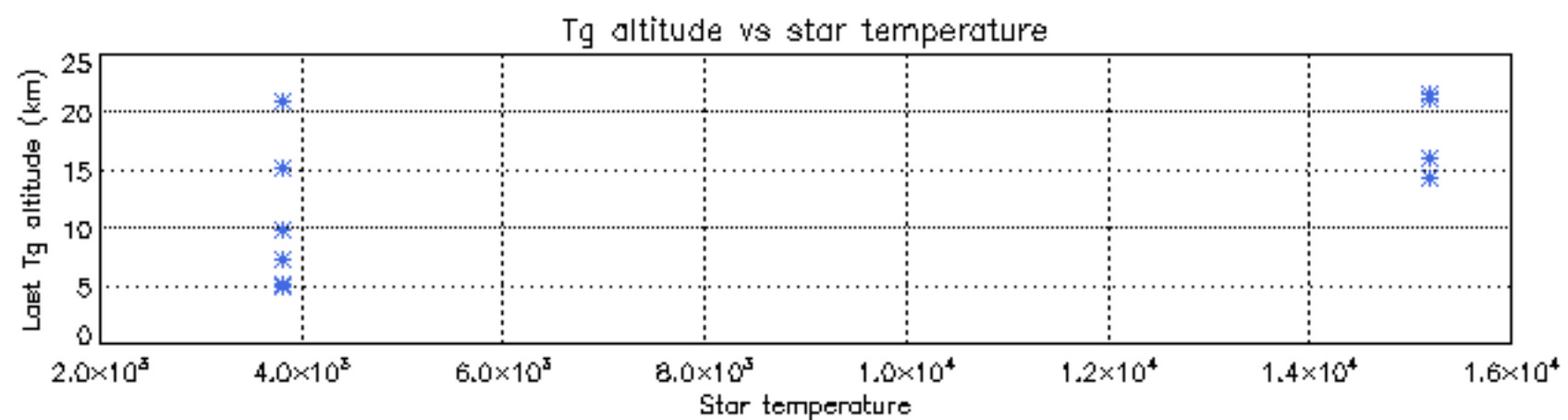
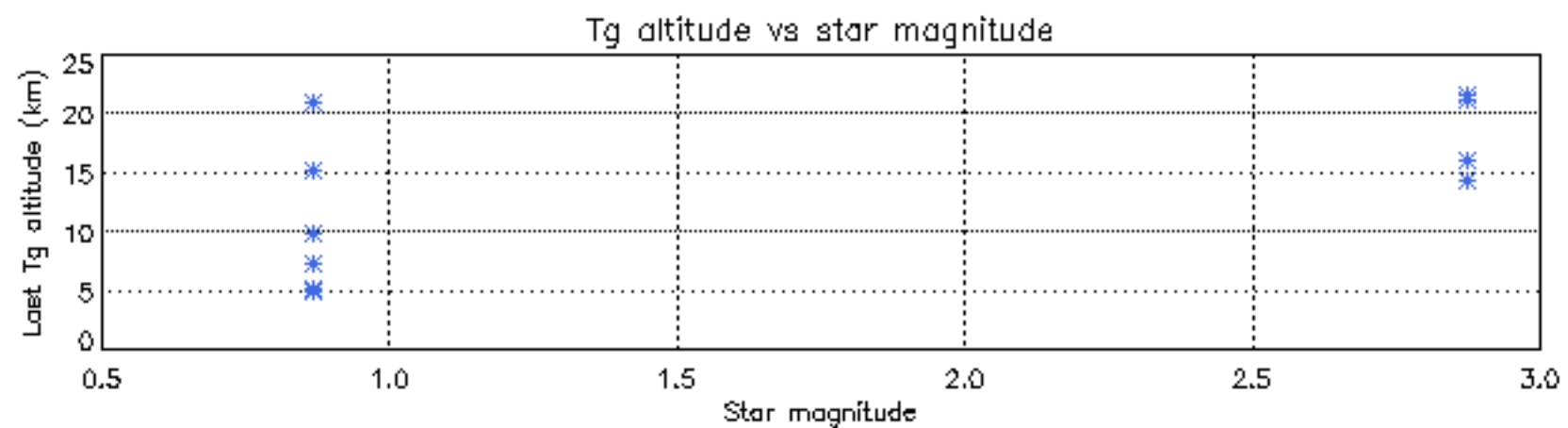
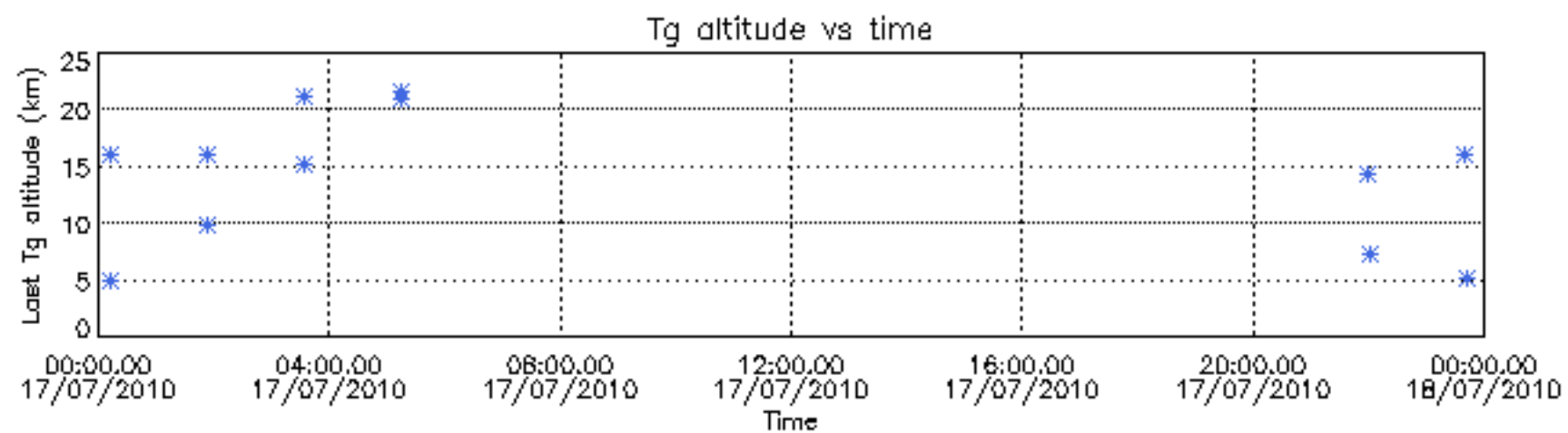
Tangent altitude at which the star is lost

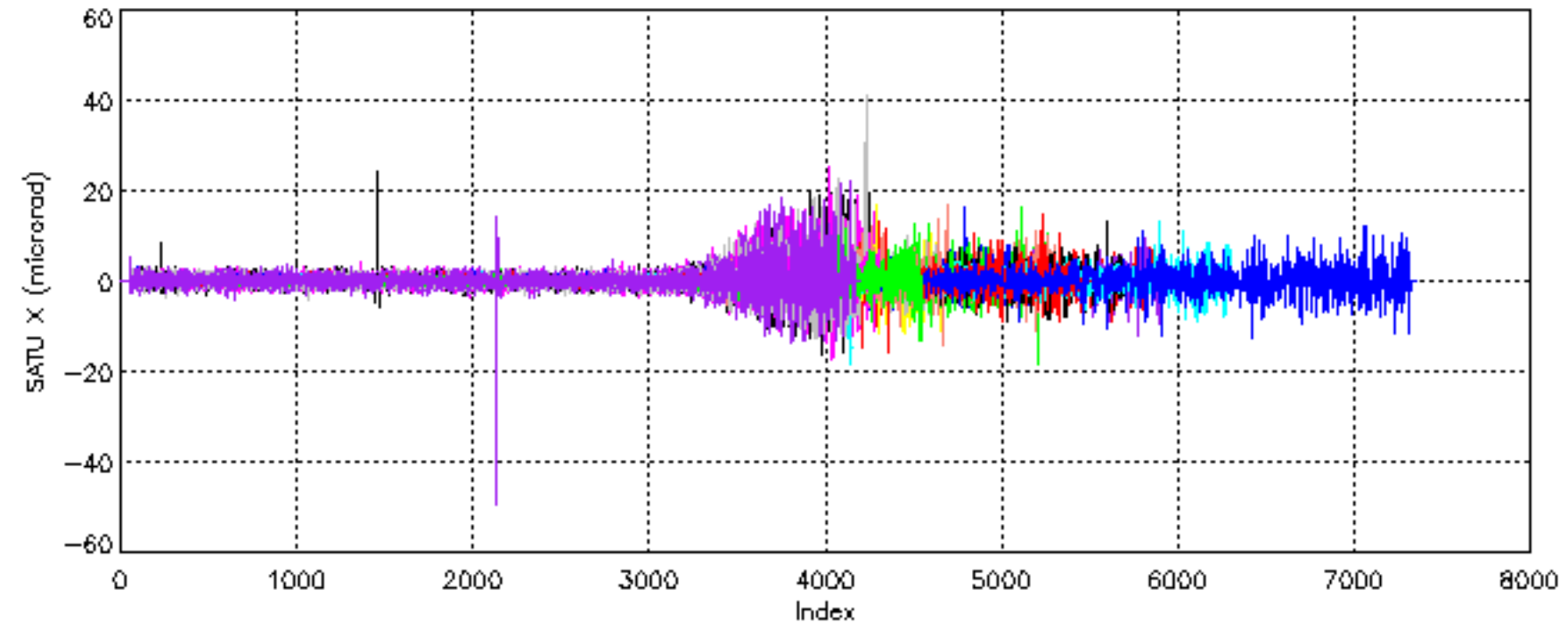


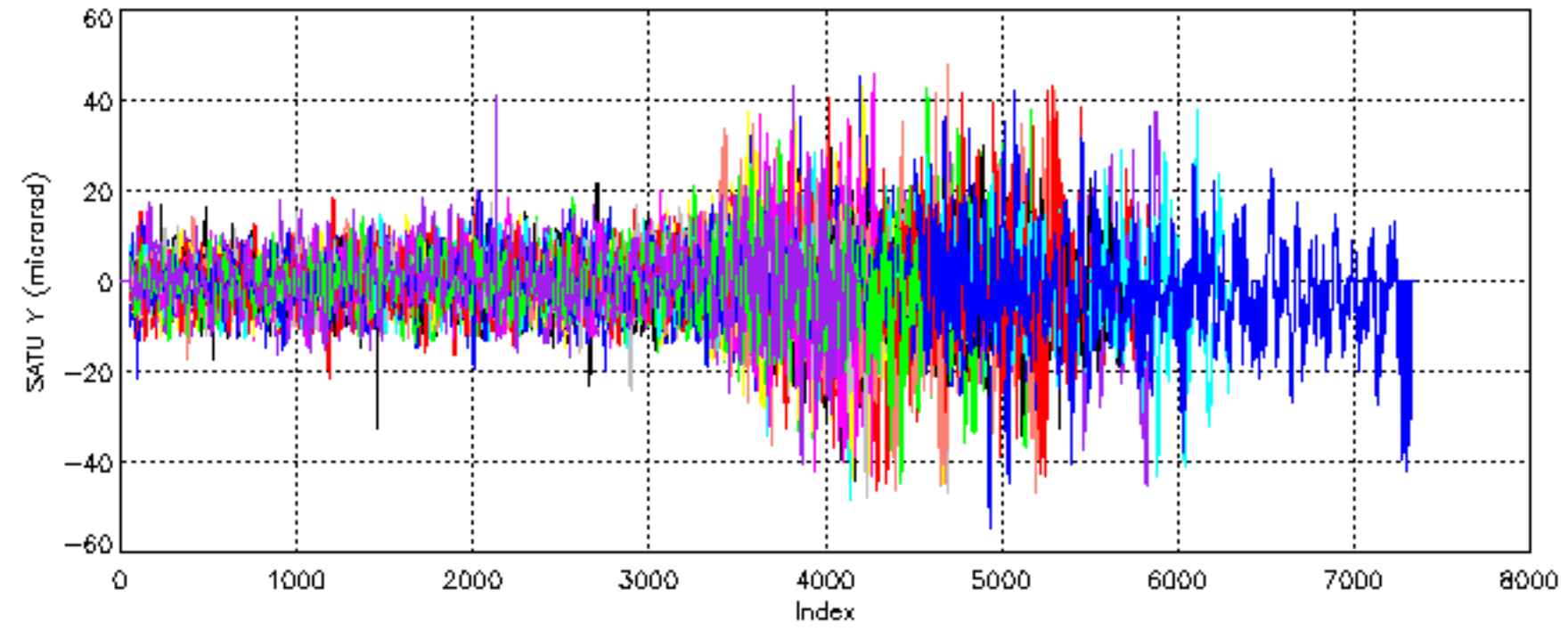
Tangent altitude at which the star is lost

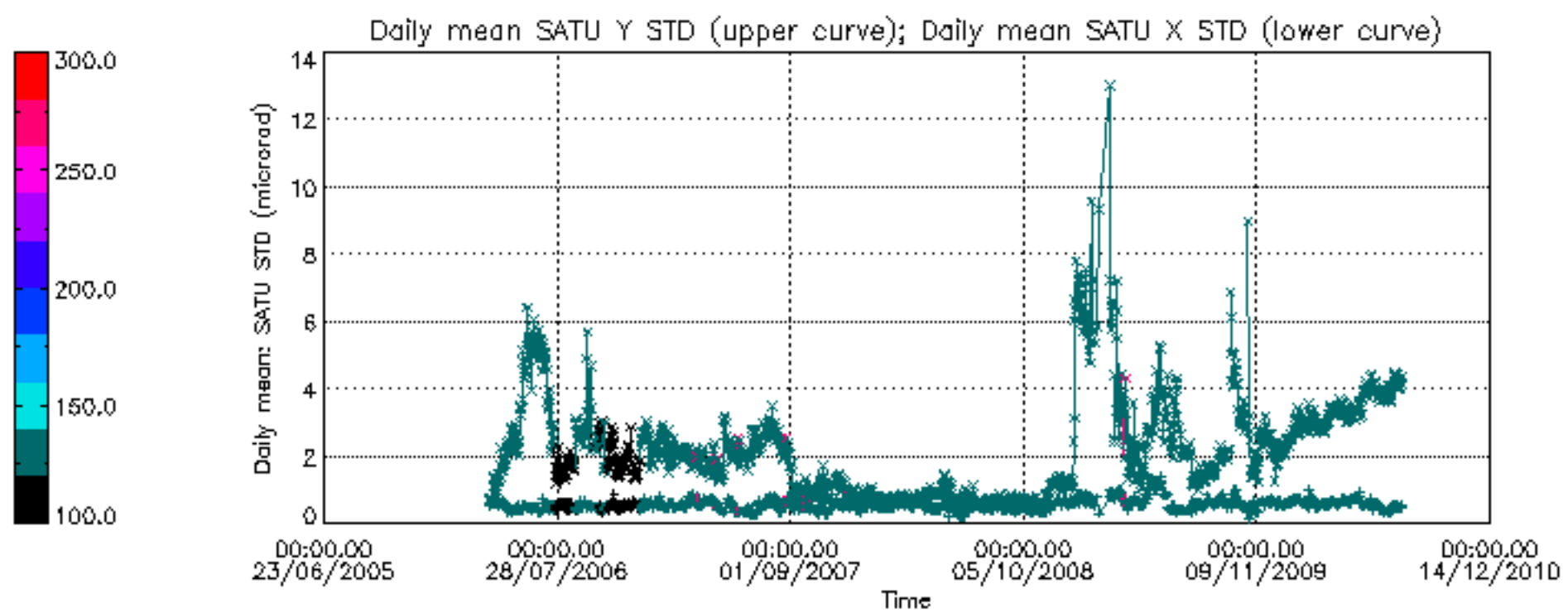


Tangent altitude at which the star is lost









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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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1;-2250.0; 01-JUL-2010 03:21:06; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43573
 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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1;-2250.4; 01-JUL-2010 05:01:42; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43574
 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
17; 2121.9; 01-JUL-2010 06:14:34; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;43575
18; 2232.3; 01-JUL-2010 06:16:24; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;43575
19; 2651.8; 01-JUL-2010 06:23:24; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;43575
20; 2808.8; 01-JUL-2010 06:26:01; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;43575
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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2; -2149.1; 01-JUL-2010 06:43:59; Bright; 51.0; 68; 18Alp Cas ; 2.22; 4500;occ; 102; 0;43575
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
9; 98.8; 01-JUL-2010 07:21:27; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;43576
10; 487.4; 01-JUL-2010 07:27:55; Dark ; 65.0; 63; Bet Gru ; 2.15; 2800;occ; 130; 0;43576
11; 604.0; 01-JUL-2010 07:29:52; Dark ; 59.5; 31; Alp Gru ; 1.73; 15200;occ; 119; 0;43576
12; 745.9; 01-JUL-2010 07:32:14; Dark ; 49.0; 45; Alp Pav ; 1.94; 26000;occ; 98; 0;43576
13; 1315.1; 01-JUL-2010 07:41:43; Dark ; 48.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 97; 0;43576
14; 1389.2; 01-JUL-2010 07:42:57; Bright; 44.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 88; 0;43576
15; 1481.1; 01-JUL-2010 07:44:29; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;43576
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2; 2122.1; 01-JUL-2010 07:55:10; Bright; 54.0; 59; 55Alp Oph ; 2.08; 8900;occ; 108; 0;43576
3; 2231.8; 01-JUL-2010 07:57:00; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;43576
4; 2651.5; 01-JUL-2010 08:03:59; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;43576
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
14; 4679.9; 01-JUL-2010 08:37:48; Dark ; 59.0; 50; 13Alp Ari ; 2.01; 4250;occ; 118; 0;43576
15; 4978.0; 01-JUL-2010 08:42:46; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;43576
16; 5504.0; 01-JUL-2010 08:51:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43576
17; 6135.8; 01-JUL-2010 09:02:04; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;43577
18; 6524.4; 01-JUL-2010 09:08:32; Dark ; 64.0; 63; Bet Gru ; 2.15; 2800;occ; 128; 0;43577
19; 6640.2; 01-JUL-2010 09:10:28; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43577
20; 6782.3; 01-JUL-2010 09:12:50; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43577
21; 7351.5; 01-JUL-2010 09:22:20; Dark ; 46.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 93; 0;43577
22; 7425.5; 01-JUL-2010 09:23:34; Bright; 48.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 96; 0;43577
23; 7516.9; 01-JUL-2010 09:25:05; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43577
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3; 2647.3; 01-JUL-2010 21:28:43; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;43584
4; 2914.8; 01-JUL-2010 21:33:10; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43584
5; 3132.5; 01-JUL-2010 21:36:48; Bright; 55.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 111; 0;43584
6; 3337.8; 01-JUL-2010 21:40:13; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43584
7; 3780.4; 01-JUL-2010 21:47:36; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43584
8; 3874.3; 01-JUL-2010 21:49:10; Bright; 40.5; 110; 37Del Cas ; 2.68; 8900;occ; 81; 0;43584
9; 4265.9; 01-JUL-2010 21:55:41; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;43584
10; 4419.5; 01-JUL-2010 21:58:15; Dark ; 72.5; 53; 43Bet And ; 2.05; 3300;occ; 145; 0;43584
11; 4682.4; 01-JUL-2010 22:02:38; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;43584
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1; -524.9; 01-JUL-2010 22:16:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43584
2; -153.9; 01-JUL-2010 22:22:37; Dark ; 91.0; 52; 16Bet Cet ; 2.04; 4500;occ; 182; 0;43584
3; 107.7; 01-JUL-2010 22:26:59; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;43585
4; 496.2; 01-JUL-2010 22:33:28; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43585
5; 596.3; 01-JUL-2010 22:35:08; Dark ; 75.5; 18; 24Alp PsA ; 1.17; 9700;occ; 151; 0;43585
6; 1482.8; 01-JUL-2010 22:49:54; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;43585
7; 2226.5; 01-JUL-2010 23:02:18; Bright; 50.0; 168; 17Zet Aql ; 2.99; 11000;occ; 100; 0;43585
8; 2646.7; 01-JUL-2010 23:09:18; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;43585
9; 2914.3; 01-JUL-2010 23:13:46; Bright; 50.0; 144; 18Del Cyg ; 2.86; 11000;occ; 100; 0;43585
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4; 2650.9; 01-JUL-2010 09:44:35; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;43577
5; 2808.7; 01-JUL-2010 09:47:13; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43577
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19; 6641.4; 01-JUL-2010 10:51:05; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43578
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6; 2920.2; 01-JUL-2010 11:29:40; Bright; 49.5; 144; 18Del Cyg ; 2.86; 11000;occ; 99; 0;43578
7; 3783.3; 01-JUL-2010 11:44:03; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;43578
8; 3876.0; 01-JUL-2010 11:45:36; Bright; 51.5; 110; 37Del Cas ; 2.68; 8900;occ; 103; 0;43578
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; 2649.4; 01-JUL-2010 14:46:21; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;43580
 4; 2918.4; 01-JUL-2010 14:50:50; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;43580
 5; 3137.9; 01-JUL-2010 14:54:29; Bright; 59.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 119; 0;43580
 6; 3340.4; 01-JUL-2010 14:57:52; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43580
 7; 3782.2; 01-JUL-2010 15:05:14; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;43580
 8; 3875.4; 01-JUL-2010 15:06:47; Bright; 49.5; 110; 37Del Cas ; 2.68; 8900;occ; 99; 0;43580
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15; 6528.2; 01-JUL-2010 15:51:00; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43581
16; 6625.2; 01-JUL-2010 15:52:37; Dark ; 83.0; 18; 24Alp PsA ; 1.17; 9700;occ; 166; 0;43581
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 3; 2649.2; 01-JUL-2010 16:26:57; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;43581
 4; 2917.6; 01-JUL-2010 16:31:25; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43581
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 6; 3339.7; 01-JUL-2010 16:38:27; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43581
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 9; 4266.1; 01-JUL-2010 16:53:54; Bright; 52.5; 73; 57Gam1And ; 2.26; 13100;occ; 105; 0;43581
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 6; 801.4; 02-JUL-2010 22:06:56; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43599
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 10; 2902.2; 02-JUL-2010 22:41:57; Bright; 50.0; 144; 18Del Cyg ; 2.86; 11000;occ; 100; 0;43599
 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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 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
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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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8; 113.3; 02-JUL-2010 06:50:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43590
9; 501.0; 02-JUL-2010 06:56:32; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;43590
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6; 3777.0; 02-JUL-2010 07:51:08; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;43590
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9; 4419.4; 02-JUL-2010 08:01:50; Dark ; 70.5; 53; 43Bet And ; 2.05; 3300;occ; 141; 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
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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
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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
8; 4265.3; 02-JUL-2010 09:39:52; Bright; 52.0; 73; 57Gam1And ; 2.26; 13100;occ; 104; 0;43591
9; 4419.7; 02-JUL-2010 09:42:27; Dark ; 76.5; 53; 43Bet And ; 2.05; 3300;occ; 153; 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
12; 5895.1; 02-JUL-2010 10:07:02; Dark ; 72.0; 52; 16Bet Cet ; 2.04; 4500;occ; 144; 0;43591
13; 6151.0; 02-JUL-2010 10:11:18; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;43592
14; 6538.9; 02-JUL-2010 10:17:46; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43592
15; 6644.6; 02-JUL-2010 10:19:31; Dark ; 82.0; 18; 24Alp PsA ; 1.17; 9700;occ; 164; 0;43592
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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3; 2908.4; 02-JUL-2010 10:57:51; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;43592
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5; 3332.1; 02-JUL-2010 11:04:55; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43592
6; 3776.1; 02-JUL-2010 11:12:19; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;43592
7; 3872.0; 02-JUL-2010 11:13:55; Bright; 62.0; 110; 37Del Cas ; 2.68; 8900;occ; 124; 0;43592
8; 4265.4; 02-JUL-2010 11:20:28; Bright; 56.5; 73; 57Gam1And ; 2.26; 13100;occ; 113; 0;43592
9; 4419.4; 02-JUL-2010 11:23:02; Dark ; 72.5; 53; 43Bet And ; 2.05; 3300;occ; 145; 0;43592

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12; 5897.2; 02-JUL-2010 11:47:40; Dark ; 70.0; 52; 16Bet Cet ; 2.04; 4500;occ; 140; 0;43592
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 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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 3; 186.6; 07-JUL-2010 02:32:37; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;43659
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 9; 3044.4; 07-JUL-2010 03:20:14; Bright; 51.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 102; 0;43659
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11; 723.1; 07-JUL-2010 04:22:09; Dark ; 82.5; 18; 24Alp PsA ; 1.17; 9700;occ; 165; 0;43660
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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
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16; 3043.1; 07-JUL-2010 05:00:49; Bright; 55.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 111; 0;43660
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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
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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
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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
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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
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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
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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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9; 3030.1; 08-JUL-2010 01:07:47; Bright; 55.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 110; 0;43672
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14; 4418.4; 08-JUL-2010 01:30:56; Dark ; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;43672
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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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11; 745.9; 08-JUL-2010 03:50:55; Dark ; 81.0; 18; 24Alp PsA ; 1.17; 9700;occ; 162; 0;43674
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6; -1010.4; 08-JUL-2010 05:02:15; Dark ; 44.5; 94; 92Alp Cet ; 2.53; 3100;occ; 89; 0;43674
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13; 2188.1; 08-JUL-2010 05:55:33; Bright; 42.5; 168; 17Zet Aql ; 2.99; 11000;occ; 85; 0;43675
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6; 797.0; 09-JUL-2010 01:39:33; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43687
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8; 1501.1; 09-JUL-2010 01:51:17; Bright; 41.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 83; 0;43687
9; 2183.6; 09-JUL-2010 02:02:40; Bright; 44.5; 168; 17Zet Aql ; 2.99; 11000;occ; 89; 0;43687
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13; 5271.4; 14-JUL-2010 13:40:51; Dark ; 44.5; 165; 34Gam Eri ; 2.95; 3200;occ; 89; 0;43765
14; 5427.4; 14-JUL-2010 13:43:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43765
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13; 5083.5; 14-JUL-2010 15:18:19; Dark ; 55.0; 94; 92Alp Cet ; 2.53; 3100;occ; 110; 0;43766
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 14; 669.9; 15-JUL-2010 06:50:45; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43776
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 6; 4041.4; 15-JUL-2010 07:46:56; Bright; 40.0; 160; 23Gam Per ; 2.93; 4700;occ; 80; 0;43776
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13; 3217.2; 15-JUL-2010 02:31:24; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;43773
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13; 668.5; 15-JUL-2010 03:29:31; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43774
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4; 2780.4; 15-JUL-2010 15:48:55; Bright; 42.0; 144; 18Del Cyg ; 2.86; 11000;occ; 84; 0;43781
5; 3212.7; 15-JUL-2010 15:56:07; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;43781
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6; 3981.3; 31-JUL-2010 21:07:52; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;44013
7; 4139.6; 31-JUL-2010 21:10:31; Bright; 53.0; 175; 39Del Per ; 3.01; 19400;occ; 106; 0;44013
8; 4315.6; 31-JUL-2010 21:13:27; Bright; 44.0; 149; 45Eps Per ; 2.89; 30000;occ; 88; 0;44013
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13; 5012.6; 31-JUL-2010 21:25:04; Dark ; 41.5; 72; 34Del Ori ; 2.25; 30000;occ; 83; 0;44013
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