

# GOMOS Daily Report 12-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	16JUL2010 04:54:33
Data source version	GOMOS/5.01
Start time of products	12JUL2010 00:01:55
Stop time of products	12JUL2010 23:55:57
Store outputs in DB	Yes
Nb of level 1b prods	110
Nb of prods with errors	0

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

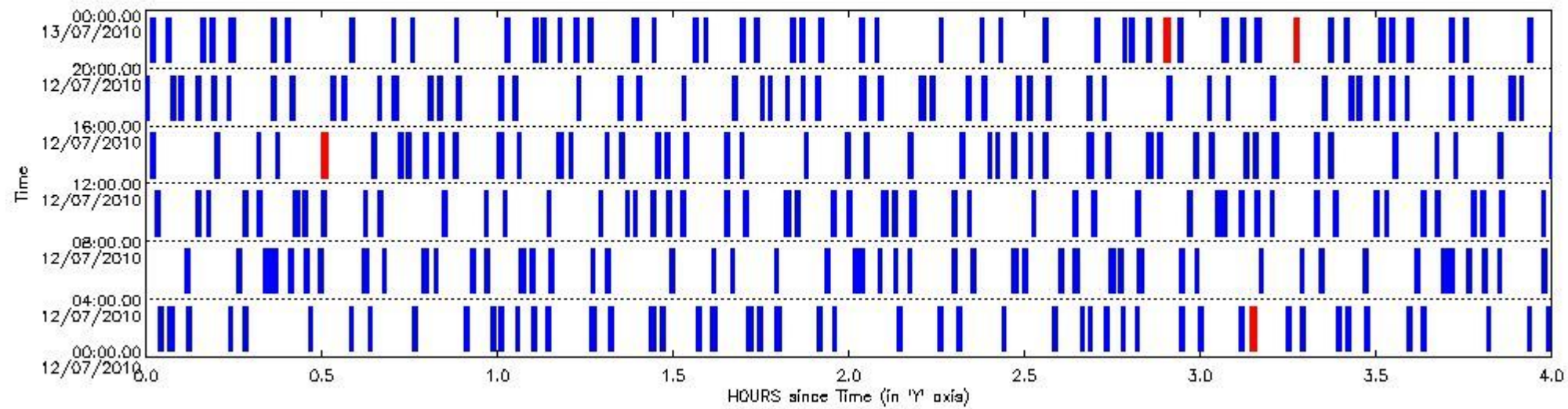
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
12-JUL-2010 03:08:36	The1Eri	157	43730
12-JUL-2010 12:29:45	5AlpCep	89	43736
12-JUL-2010 22:53:45	44ZetPer	150	43742
12-JUL-2010 23:15:54	The1Eri	157	43742

### 2.4 Summary of processed GOM\_TRA\_1P products

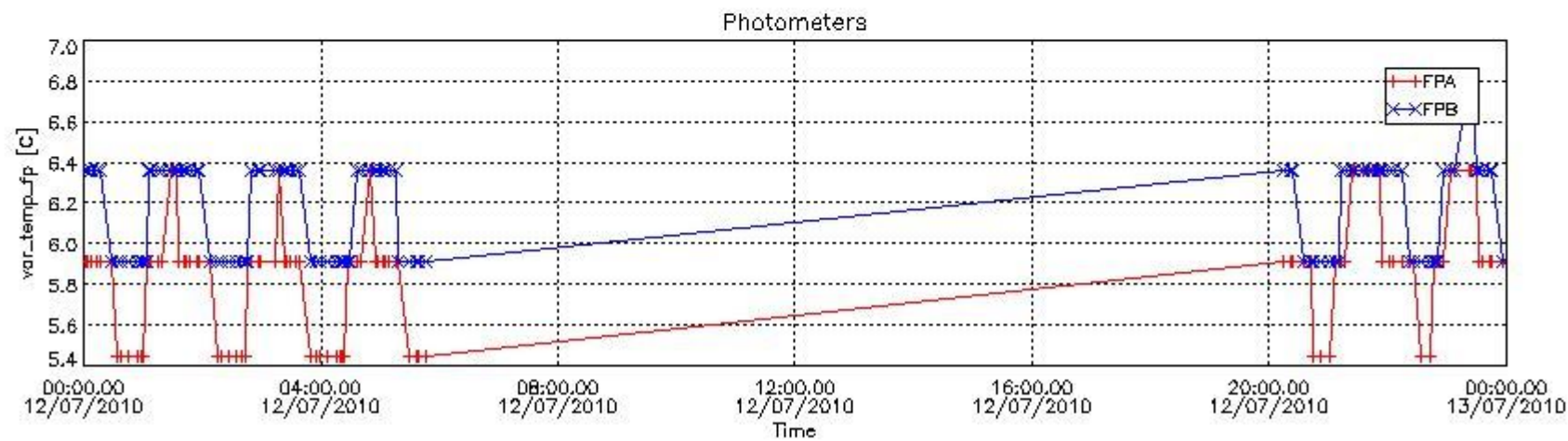
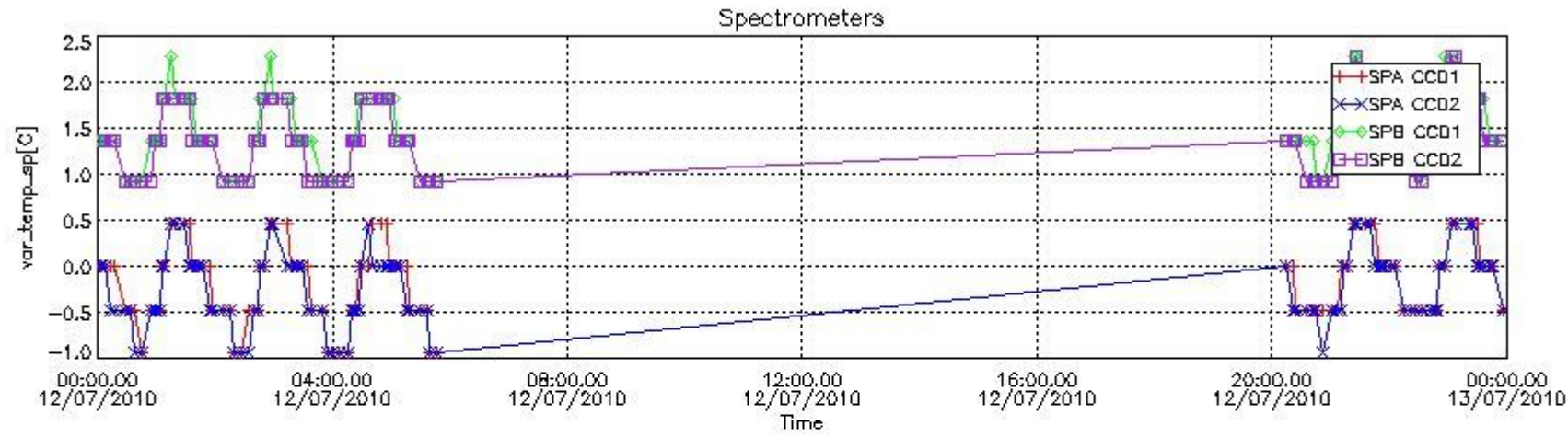
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100712_000155_000000612091_00088_43729_6013.N1	12-JUL-2010 00:01:55	Straylight	60.500	63	Bet Gru	2.1500	2800.0	121	43729	No
2	GOM_TRA_1PNPDE20100712_000337_000000592091_00088_43729_6014.N1	12-JUL-2010 00:03:37	Straylight	58.500	31	Alp Gru	1.7340	15200.	117	43729	No
3	GOM_TRA_1PNPDE20100712_000648_000000532091_00088_43729_6015.N1	12-JUL-2010 00:06:48	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	43729	No
4	GOM_TRA_1PNPDE20100712_001401_000000442091_00088_43729_6016.N1	12-JUL-2010 00:14:01	Bright	43.500	103	38Zet Sgr	2.6000	9700.0	87	43729	No
5	GOM_TRA_1PNPDE20100712_001634_000000412091_00088_43729_6017.N1	12-JUL-2010 00:16:34	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43729	No
6	GOM_TRA_1PNPDE20100712_002737_000000402091_00088_43729_6018.N1	12-JUL-2010 00:27:37	Bright	40.000	168	17Zet Aql	2.9860	11000.	80	43729	No
7	GOM_TRA_1PNPDE20100712_003441_000000402091_00088_43729_6019.N1	12-JUL-2010 00:34:41	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	43729	No

8	GOM_TRA_1PNPDE20100712_003753_000000342091_00088_43729_6020.N1	12-JUL-2010 00:37:53	Bright	33.500	69	33Gam Dra	2.2310	3800.0	67	43729	No
9	GOM_TRA_1PNPDE20100712_004530_000000452091_00088_43729_6021.N1	12-JUL-2010 00:45:30	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43729	No
10	GOM_TRA_1PNPDE20100712_005414_000000472091_00088_43729_6022.N1	12-JUL-2010 00:54:14	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	43729	No
11	GOM_TRA_1PNPDE20100712_005854_000000412091_00088_43729_6023.N1	12-JUL-2010 00:58:54	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	43729	No
12	GOM_TRA_1PNPDE20100712_010011_000000422091_00088_43729_6024.N1	12-JUL-2010 01:00:11	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	43729	No
13	GOM_TRA_1PNPDE20100712_010303_000000442091_00088_43729_6025.N1	12-JUL-2010 01:03:03	Bright	43.500	79	26Bet Per	2.3100	13100.	87	43729	No
14	GOM_TRA_1PNPDE20100712_010547_000000452091_00088_43729_6026.N1	12-JUL-2010 01:05:47	Bright	44.500	150	44Zet Per	2.8900	28000.	89	43729	No
15	GOM_TRA_1PNPDE20100712_010816_000000442091_00088_43729_6027.N1	12-JUL-2010 01:08:16	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43729	No
16	GOM_TRA_1PNPDE20100712_011544_000000612091_00088_43729_6028.N1	12-JUL-2010 01:15:44	Dark	60.500	94	92Alp Cet	2.5260	3100.0	121	43729	No
17	GOM_TRA_1PNPDE20100712_011901_000000412091_00088_43729_6029.N1	12-JUL-2010 01:19:01	Dark	40.500	165	34Gam Eri	2.9500	3200.0	81	43729	No
18	GOM_TRA_1PNPDE20100712_012750_000000422091_00088_43729_6028.N1	12-JUL-2010 01:27:50	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43729	No
19	GOM_TRA_1PNPDE20100712_013402_000000402091_00089_43730_6029.N1	12-JUL-2010 01:34:02	Dark	39.500	9	Alp Eri	0.45300	24000.	79	43730	No
20	GOM_TRA_1PNPDE20100712_013627_000000522091_00089_43730_6030.N1	12-JUL-2010 01:36:27	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	43730	No
21	GOM_TRA_1PNPDE20100712_014232_000000622091_00089_43730_6031.N1	12-JUL-2010 01:42:32	Straylight	62.000	63	Bet Gru	2.1500	2800.0	124	43730	No
22	GOM_TRA_1PNPDE20100712_014414_000000492091_00089_43730_6032.N1	12-JUL-2010 01:44:14	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43730	No
23	GOM_TRA_1PNPDE20100712_014725_000000542091_00089_43730_6033.N1	12-JUL-2010 01:47:25	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	43730	No
24	GOM_TRA_1PNPDE20100712_015437_000000422091_00089_43730_6034.N1	12-JUL-2010 01:54:37	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	43730	No
25	GOM_TRA_1PNPDE20100712_015710_000000422091_00089_43730_6035.N1	12-JUL-2010 01:57:10	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43730	No
26	GOM_TRA_1PNPDE20100712_020813_000000422091_00089_43730_6036.N1	12-JUL-2010 02:08:13	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	43730	No
27	GOM_TRA_1PNPDE20100712_021516_000000442091_00089_43730_6037.N1	12-JUL-2010 02:15:16	Bright	43.500	5	3Alp Lyr	0.033000	11000.	87	43730	No
28	GOM_TRA_1PNPDE20100712_021829_000000382091_00089_43730_6038.N1	12-JUL-2010 02:18:29	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	43730	No
29	GOM_TRA_1PNPDE20100712_022605_000000432091_00089_43730_6039.N1	12-JUL-2010 02:26:05	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	43730	No
30	GOM_TRA_1PNPDE20100712_023449_000000482091_00089_43730_6063.N1	12-JUL-2010 02:34:49	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43730	No
31	GOM_TRA_1PNPDE20100712_023930_000000412091_00089_43730_6064.N1	12-JUL-2010 02:39:30	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	43730	No
32	GOM_TRA_1PNPDE20100712_024047_000000422091_00089_43730_6065.N1	12-JUL-2010 02:40:47	Bright	41.500	35	33Alp Per	1.7950	6250.0	83	43730	No
33	GOM_TRA_1PNPDE20100712_024339_000000432091_00089_43730_6066.N1	12-JUL-2010 02:43:39	Bright	43.000	79	26Bet Per	2.3100	13100.	86	43730	No
34	GOM_TRA_1PNPDE20100712_024623_000000422091_00089_43730_6067.N1	12-JUL-2010 02:46:23	Bright	41.500	150	44Zet Per	2.8900	28000.	83	43730	No
35	GOM_TRA_1PNPDE20100712_024851_000000452091_00089_43730_6068.N1	12-JUL-2010 02:48:51	Twilight	44.500	146	25Eta Tau	2.8730	15200.	89	43730	No
36	GOM_TRA_1PNPDE20100712_025620_000000552091_00089_43730_6069.N1	12-JUL-2010 02:56:20	Dark	54.500	94	92Alp Cet	2.5260	3100.0	109	43730	No
37	GOM_TRA_1PNPDE20100712_025937_000000422091_00089_43730_6070.N1	12-JUL-2010 02:59:37	Dark	41.500	165	34Gam Eri	2.9500	3200.0	83	43730	No
38	GOM_TRA_1PNPDE20100712_031438_000000442091_00090_43731_6071.N1	12-JUL-2010 03:14:38	Dark	43.500	9	Alp Eri	0.45300	24000.	87	43731	No
39	GOM_TRA_1PNPDE20100712_031704_000000522091_00090_43731_6072.N1	12-JUL-2010 03:17:04	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	43731	No
40	GOM_TRA_1PNPDE20100712_032309_000000532091_00090_43731_6073.N1	12-JUL-2010 03:23:09	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	43731	No
41	GOM_TRA_1PNPDE20100712_032451_000000522091_00090_43731_6074.N1	12-JUL-2010 03:24:51	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	43731	No
42	GOM_TRA_1PNPDE20100712_032802_000000572091_00090_43731_6075.N1	12-JUL-2010 03:28:02	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	43731	No
43	GOM_TRA_1PNPDE20100712_033514_000000532091_00090_43731_6076.N1	12-JUL-2010 03:35:14	Bright	52.500	103	38Zet Sgr	2.6000	9700.0	105	43731	No
44	GOM_TRA_1PNPDE20100712_033746_000000422091_00090_43731_6077.N1	12-JUL-2010 03:37:46	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43731	No
45	GOM_TRA_1PNPDE20100712_034849_000000422091_00090_43731_6078.N1	12-JUL-2010 03:48:49	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43731	No
46	GOM_TRA_1PNPDE20100712_035552_000000382091_00090_43731_6079.N1	12-JUL-2010 03:55:52	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	43731	No
47	GOM_TRA_1PNPDE20100712_035905_000000392091_00090_43731_6080.N1	12-JUL-2010 03:59:05	Bright	39.000	69	33Gam Dra	2.2310	3800.0	78	43731	No
48	GOM_TRA_1PNPDE20100712_040640_000000452091_00090_43731_6081.N1	12-JUL-2010 04:06:40	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43731	No
49	GOM_TRA_1PNPDE20100712_041525_000000482091_00090_43731_6090.N1	12-JUL-2010 04:15:25	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	43731	No
50	GOM_TRA_1PNPDE20100712_042006_000000572091_00090_43731_6091.N1	12-JUL-2010 04:20:06	Bright	57.000	160	23Gam Per	2.9300	4700.0	114	43731	No
51	GOM_TRA_1PNPDE20100712_042122_000000582091_00090_43731_6092.N1	12-JUL-2010 04:21:22	Bright	58.000	35	33Alp Per	1.7950	6250.0	116	43731	No
52	GOM_TRA_1PNPDE20100712_042415_000000452091_00090_43731_6093.N1	12-JUL-2010 04:24:15	Bright	44.500	79	26Bet Per	2.3100	13100.	89	43731	No
53	GOM_TRA_1PNPDE20100712_042659_000000462091_00090_43731_6094.N1	12-JUL-2010 04:26:59	Bright	45.500	150	44Zet Per	2.8900	28000.	91	43731	No
54	GOM_TRA_1PNPDE20100712_042928_000000442091_00090_43731_6095.N1	12-JUL-2010 04:29:28	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43731	No
55	GOM_TRA_1PNPDE20100712_043657_000000582091_00090_43731_6096.N1	12-JUL-2010 04:36:57	Dark	57.500	94	92Alp Cet	2.5260	3100.0	115	43731	No
56	GOM_TRA_1PNPDE20100712_044014_000000442091_00090_43731_6097.N1	12-JUL-2010 04:40:14	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	43731	No
57	GOM_TRA_1PNPDE20100712_044904_000000412091_00090_43731_6098.N1	12-JUL-2010 04:49:04	Dark	41.000	157	The1Eri	2.9060	9300.0	82	43731	No
58	GOM_TRA_1PNPDE20100712_045515_000000492091_00091_43732_6099.N1	12-JUL-2010 04:55:15	Dark	49.000	9	Alp Eri	0.45300	24000.	98	43732	No
59	GOM_TRA_1PNPDE20100712_045741_000000572091_00091_43732_6100.N1	12-JUL-2010 04:57:41	Dark	56.500	84	Alp Phe	2.3970	4500.0	113	43732	No
60	GOM_TRA_1PNPDE20100712_050346_000000532091_00091_43732_6101.N1	12-JUL-2010 05:03:46	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	43732	No
61	GOM_TRA_1PNPDE20100712_050528_000000492091_00091_43732_6102.N1	12-JUL-2010 05:05:28	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	43732	No
62	GOM_TRA_1PNPDE20100712_050839_000000532091_00091_43732_6103.N1	12-JUL-2010 05:08:39	Straylight	52.500	172	Gam Gru	3.0030	13100.	105	43732	No
63	GOM_TRA_1PNPDE20100712_051550_000000432091_00091_43732_6104.N1	12-JUL-2010 05:15:50	Bright	42.500	103	38Zet Sgr	2.6000	9700.0	85	43732	No
64	GOM_TRA_1PNPDE20100712_051822_000000422091_00091_43732_6105.N1	12-JUL-2010 05:18:22	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43732	No
65	GOM_TRA_1PNPDE20100712_052924_000000412091_00091_43732_6106.N1	12-JUL-2010 05:29:24	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	43732	No
66	GOM_TRA_1PNPDE20100712_053628_000000432091_00091_43732_6107.N1	12-JUL-2010 05:36:28	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	43732	No

67	GOM_TRA_1PNPDE20100712_053940_000000402091_00091_43732_6108.N1	12-JUL-2010 05:39:40	Bright	40.000	69	33Gam Dra	2.2310	3800.0	80	43732	No
68	GOM_TRA_1PNPDE20100712_054716_000000422091_00091_43732_6109.N1	12-JUL-2010 05:47:16	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	43732	No
69	GOM_TRA_1PNPDE20100712_201409_000000542091_00100_43741_6200.N1	12-JUL-2010 20:14:09	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	43741	No
70	GOM_TRA_1PNPDE20100712_202115_000000502091_00100_43741_6201.N1	12-JUL-2010 20:21:15	Bright	49.500	103	38Zet Sgr	2.6000	9700.0	99	43741	No
71	GOM_TRA_1PNPDE20100712_202348_000000412091_00100_43741_6202.N1	12-JUL-2010 20:23:48	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43741	No
72	GOM_TRA_1PNPDE20100712_203446_000000422091_00100_43741_6203.N1	12-JUL-2010 20:34:46	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43741	No
73	GOM_TRA_1PNPDE20100712_204149_000000422091_00100_43741_6204.N1	12-JUL-2010 20:41:49	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	43741	No
74	GOM_TRA_1PNPDE20100712_204503_000000372091_00100_43741_6205.N1	12-JUL-2010 20:45:03	Bright	37.000	69	33Gam Dra	2.2310	3800.0	74	43741	No
75	GOM_TRA_1PNPDE20100712_205234_000000442091_00100_43741_6206.N1	12-JUL-2010 20:52:34	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43741	No
76	GOM_TRA_1PNPDE20100712_210119_000000462091_00100_43741_6207.N1	12-JUL-2010 21:01:19	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	43741	No
77	GOM_TRA_1PNPDE20100712_210604_000000422091_00100_43741_6208.N1	12-JUL-2010 21:06:04	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	43741	No
78	GOM_TRA_1PNPDE20100712_210721_000000582091_00100_43741_6209.N1	12-JUL-2010 21:07:21	Bright	58.000	35	33Alp Per	1.7950	6250.0	116	43741	No
79	GOM_TRA_1PNPDE20100712_211015_000000442091_00100_43741_6210.N1	12-JUL-2010 21:10:15	Bright	43.500	79	26Bet Per	2.3100	13100.	87	43741	No
80	GOM_TRA_1PNPDE20100712_211300_000000442091_00100_43741_6211.N1	12-JUL-2010 21:13:00	Twilight	44.000	150	44Zet Per	2.8900	28000.	88	43741	No
81	GOM_TRA_1PNPDE20100712_211530_000000442091_00100_43741_6212.N1	12-JUL-2010 21:15:30	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	43741	No
82	GOM_TRA_1PNPDE20100712_212303_000000582091_00100_43741_6213.N1	12-JUL-2010 21:23:03	Dark	58.000	94	92Alp Cet	2.5260	3100.0	116	43741	No
83	GOM_TRA_1PNPDE20100712_212618_000000472091_00100_43741_6221.N1	12-JUL-2010 21:26:18	Dark	46.500	165	34Gam Eri	2.9500	3200.0	93	43741	No
84	GOM_TRA_1PNPDE20100712_213509_000000402091_00100_43741_6222.N1	12-JUL-2010 21:35:09	Dark	40.000	157	The1Eri	2.9060	9300.0	80	43741	No
85	GOM_TRA_1PNPDE20100712_214120_000000542091_00101_43742_6223.N1	12-JUL-2010 21:41:20	Dark	54.000	9	Alp Eri	0.45300	24000.	108	43742	No
86	GOM_TRA_1PNPDE20100712_214352_000000522091_00101_43742_6224.N1	12-JUL-2010 21:43:52	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	43742	No
87	GOM_TRA_1PNPDE20100712_214954_000000502091_00101_43742_6225.N1	12-JUL-2010 21:49:54	Straylight	50.000	63	Bet Gru	2.1500	2800.0	100	43742	No
88	GOM_TRA_1PNPDE20100712_215135_000000552091_00101_43742_6226.N1	12-JUL-2010 21:51:35	Straylight	54.500	31	Alp Gru	1.7340	15200.	109	43742	No
89	GOM_TRA_1PNPDE20100712_215446_000000522091_00101_43742_6227.N1	12-JUL-2010 21:54:46	Straylight	51.500	172	Gam Gru	3.0030	13100.	103	43742	No
90	GOM_TRA_1PNPDE20100712_220152_000000412091_00101_43742_6228.N1	12-JUL-2010 22:01:52	Bright	40.500	103	38Zet Sgr	2.6000	9700.0	81	43742	No
91	GOM_TRA_1PNPDE20100712_220423_000000412091_00101_43742_6229.N1	12-JUL-2010 22:04:23	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43742	No
92	GOM_TRA_1PNPDE20100712_221521_000000402091_00101_43742_6230.N1	12-JUL-2010 22:15:21	Bright	39.500	168	17Zet Aql	2.9860	11000.	79	43742	No
93	GOM_TRA_1PNPDE20100712_222224_000000372091_00101_43742_6231.N1	12-JUL-2010 22:22:24	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	43742	No
94	GOM_TRA_1PNPDE20100712_222539_000000352091_00101_43742_6232.N1	12-JUL-2010 22:25:39	Bright	35.000	69	33Gam Dra	2.2310	3800.0	70	43742	No
95	GOM_TRA_1PNPDE20100712_223309_000000452091_00101_43742_6233.N1	12-JUL-2010 22:33:09	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43742	No
96	GOM_TRA_1PNPDE20100712_224155_000000502091_00101_43742_6234.N1	12-JUL-2010 22:41:55	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	43742	No
97	GOM_TRA_1PNPDE20100712_224639_000000422091_00101_43742_6235.N1	12-JUL-2010 22:46:39	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	43742	No
98	GOM_TRA_1PNPDE20100712_224757_000000422091_00101_43742_6236.N1	12-JUL-2010 22:47:57	Bright	41.500	35	33Alp Per	1.7950	6250.0	83	43742	No
99	GOM_TRA_1PNPDE20100712_225051_000000462091_00101_43742_6237.N1	12-JUL-2010 22:50:51	Bright	46.000	79	26Bet Per	2.3100	13100.	92	43742	No
100	GOM_TRA_1PNPDE20100712_225606_000000452091_00101_43742_6238.N1	12-JUL-2010 22:56:06	Twilight	44.500	146	25Eta Tau	2.8730	15200.	89	43742	No
101	GOM_TRA_1PNPDE20100712_230340_000000572091_00101_43742_6239.N1	12-JUL-2010 23:03:40	Dark	57.000	94	92Alp Cet	2.5260	3100.0	114	43742	No
102	GOM_TRA_1PNPDE20100712_230654_000000432091_00101_43742_6240.N1	12-JUL-2010 23:06:54	Dark	42.500	165	34Gam Eri	2.9500	3200.0	85	43742	No
103	GOM_TRA_1PNPDE20100712_232157_000000502091_00102_43743_6242.N1	12-JUL-2010 23:21:57	Dark	49.500	9	Alp Eri	0.45300	24000.	99	43743	No
104	GOM_TRA_1PNPDE20100712_232429_000000502091_00102_43743_6243.N1	12-JUL-2010 23:24:29	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	43743	No
105	GOM_TRA_1PNPDE20100712_233030_000000632091_00102_43743_6244.N1	12-JUL-2010 23:30:30	Straylight	63.000	63	Bet Gru	2.1500	2800.0	126	43743	No
106	GOM_TRA_1PNPDE20100712_233211_000000562091_00102_43743_6245.N1	12-JUL-2010 23:32:11	Straylight	55.500	31	Alp Gru	1.7340	15200.	111	43743	No
107	GOM_TRA_1PNPDE20100712_233523_000000522091_00102_43743_6246.N1	12-JUL-2010 23:35:23	Straylight	52.000	172	Gam Gru	3.0030	13100.	104	43743	No
108	GOM_TRA_1PNPDE20100712_234228_000000522091_00102_43743_6247.N1	12-JUL-2010 23:42:28	Bright	52.000	103	38Zet Sgr	2.6000	9700.0	104	43743	No
109	GOM_TRA_1PNPDE20100712_234500_000000412091_00102_43743_6248.N1	12-JUL-2010 23:45:00	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43743	No
110	GOM_TRA_1PNPDE20100712_235557_000000422091_00102_43743_6249.N1	12-JUL-2010 23:55:57	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43743	No

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





#### 4. Overview of dark signal processing per product

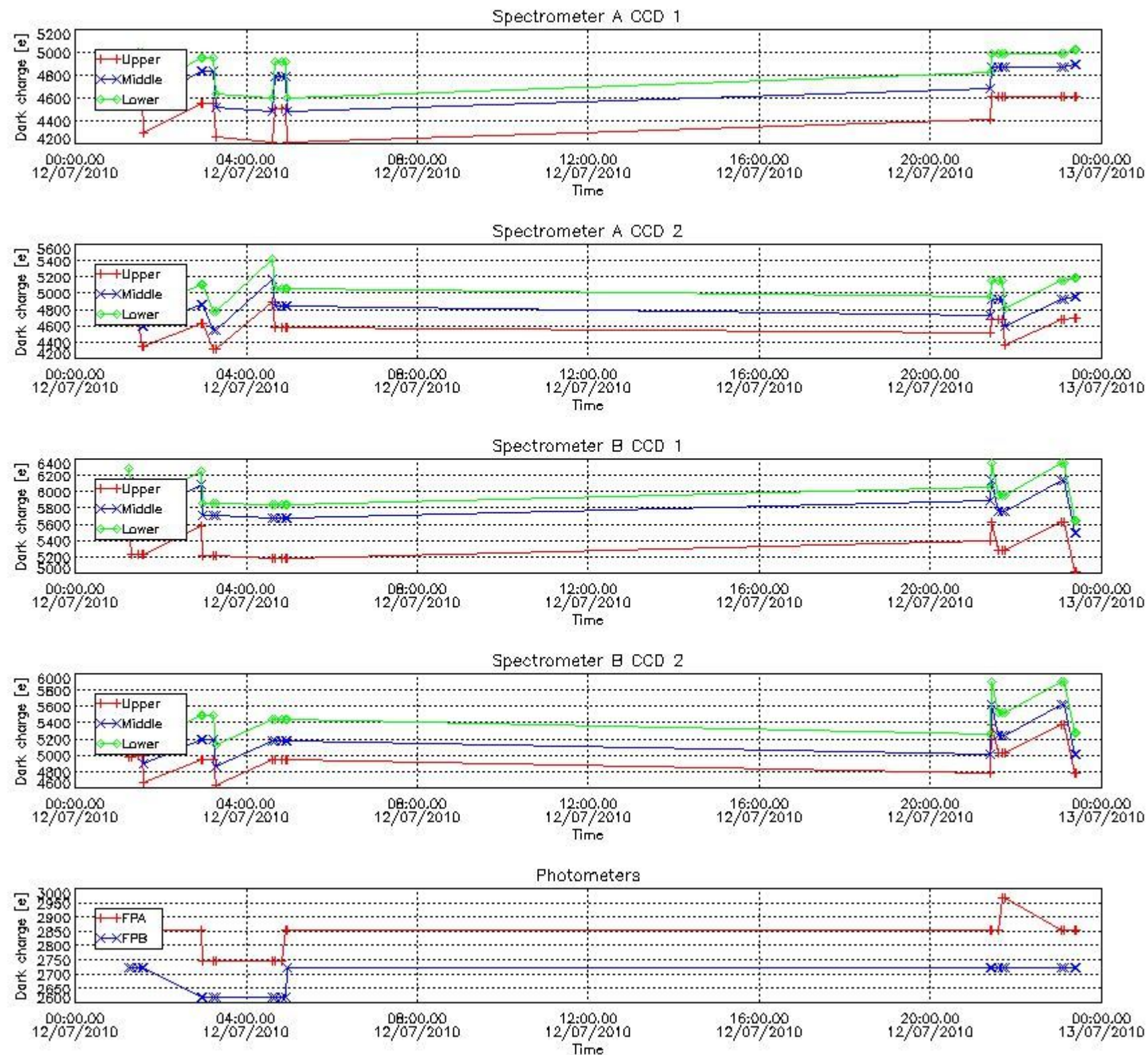
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100712_201409_000000542091_00100_43741_6200.N1	DC map used
GOM_TRA_1PNPDE20100712_202115_000000502091_00100_43741_6201.N1	DC map used
GOM_TRA_1PNPDE20100712_202348_000000412091_00100_43741_6202.N1	DC map used
GOM_TRA_1PNPDE20100712_203446_000000422091_00100_43741_6203.N1	DC map used
GOM_TRA_1PNPDE20100712_204149_000000422091_00100_43741_6204.N1	DC map used
GOM_TRA_1PNPDE20100712_204503_000000372091_00100_43741_6205.N1	DC map used
GOM_TRA_1PNPDE20100712_205234_000000442091_00100_43741_6206.N1	DC map used
GOM_TRA_1PNPDE20100712_210119_000000462091_00100_43741_6207.N1	DC map used
GOM_TRA_1PNPDE20100712_210604_000000422091_00100_43741_6208.N1	DC map used
GOM_TRA_1PNPDE20100712_210721_000000582091_00100_43741_6209.N1	DC map used
GOM_TRA_1PNPDE20100712_211015_000000442091_00100_43741_6210.N1	DC map used
GOM_TRA_1PNPDE20100712_211300_000000442091_00100_43741_6211.N1	DC map used
GOM_TRA_1PNPDE20100712_211530_000000442091_00100_43741_6212.N1	DC map used
GOM_TRA_1PNPDE20100712_212303_000000582091_00100_43741_6213.N1	DC map used

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



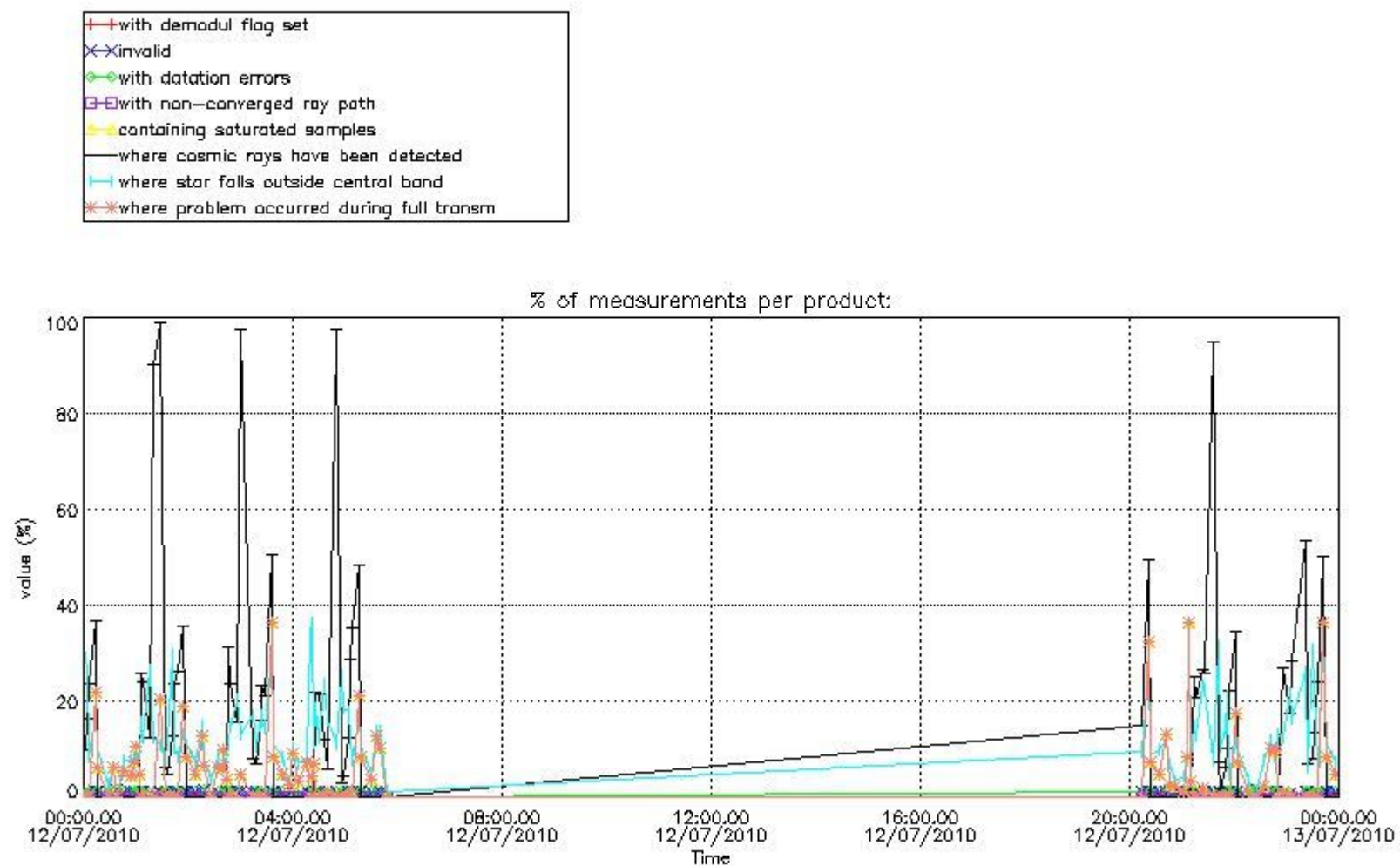
#### 5. Demodulation flag and quality information monitoring

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:

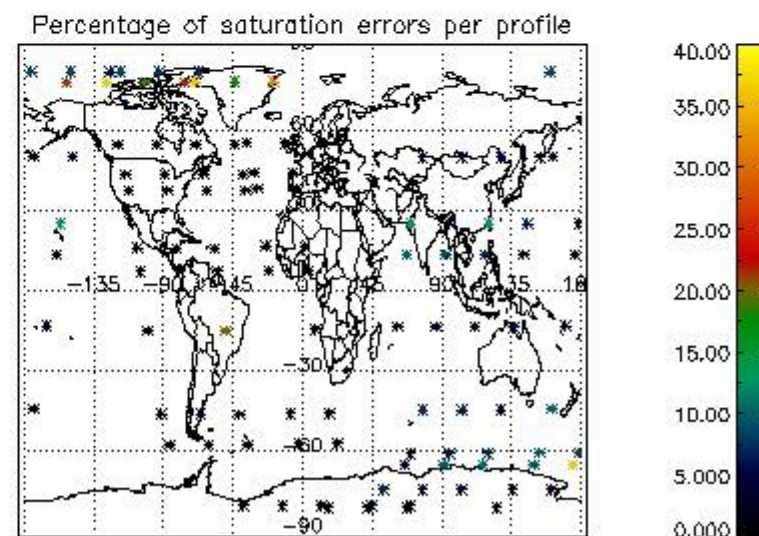
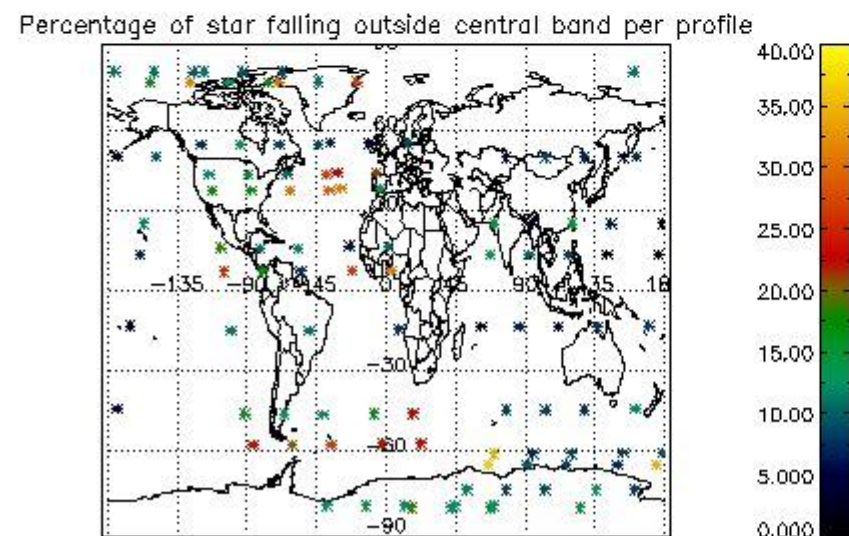
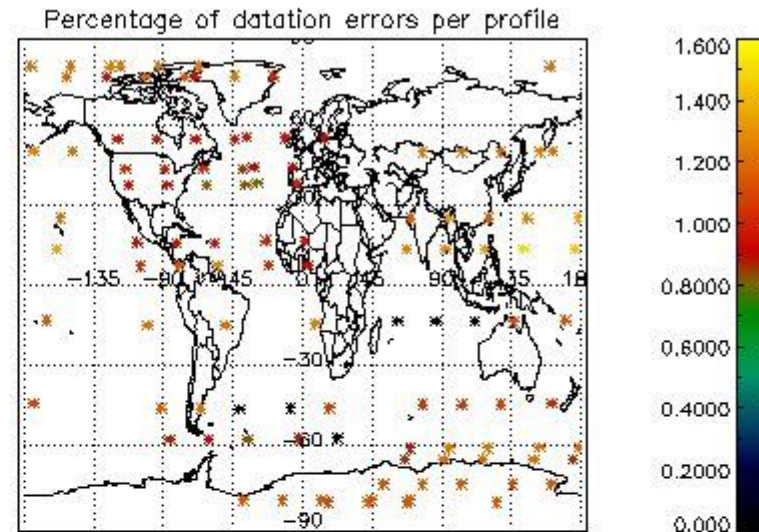
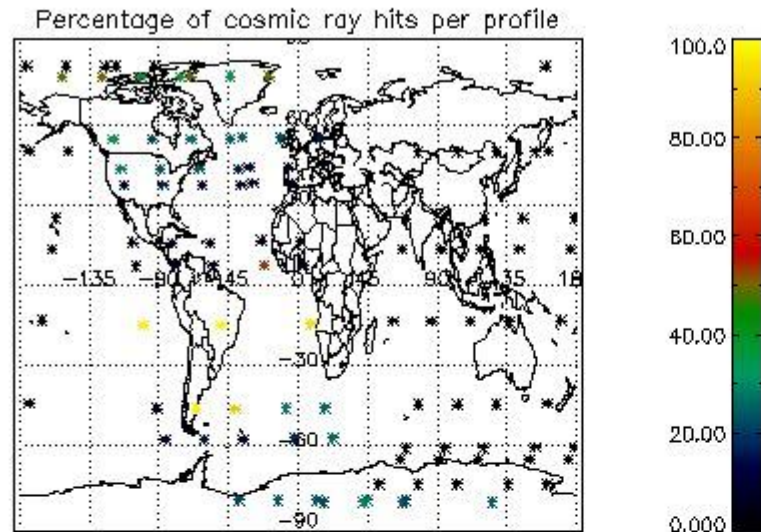
At least one measurement with demodulation flag set:	40.9091 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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)

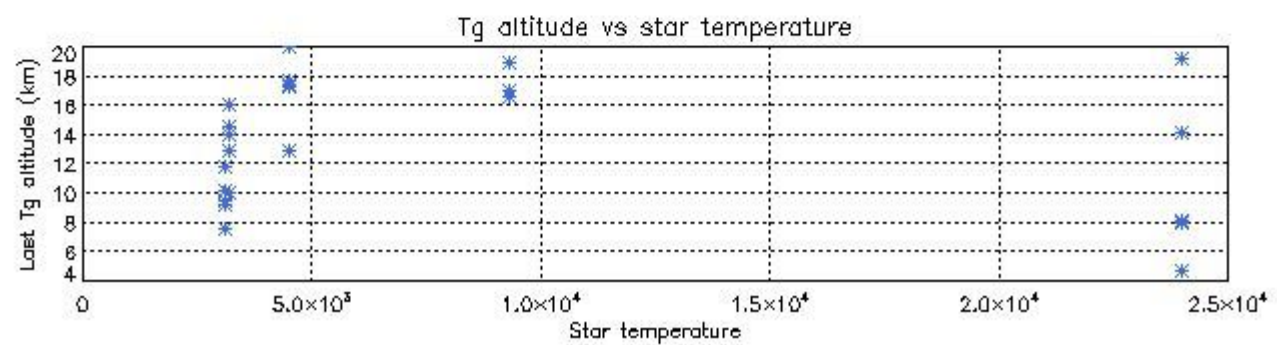
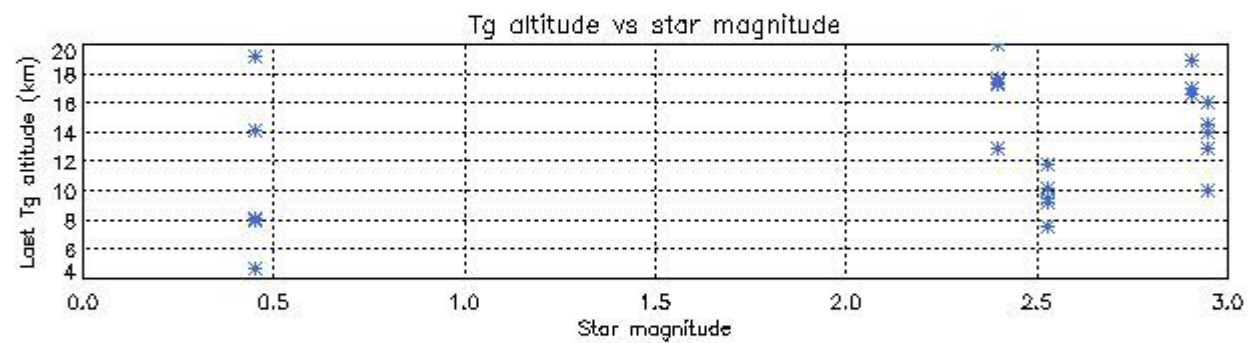
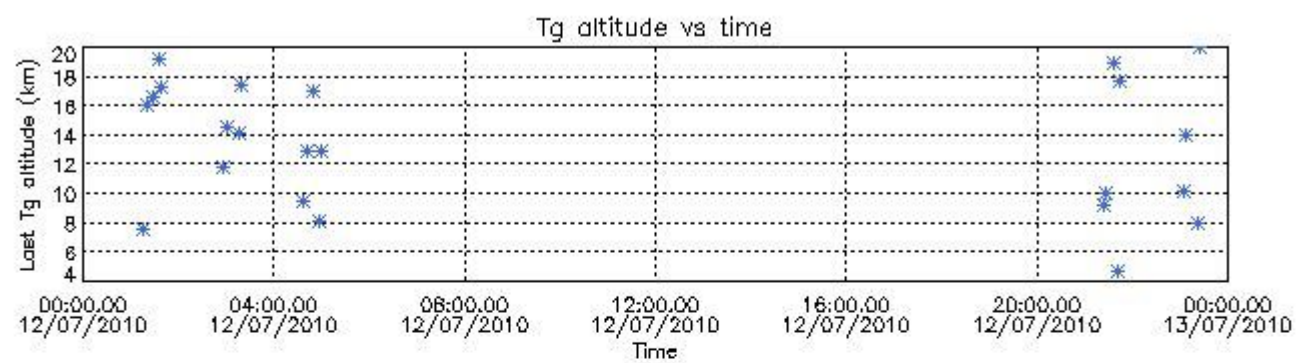
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.363	18.014	14.627
St. deviation:	4.3442	5.2507	0.54530
Maximum:	19.955	27.728	15.561
Minimum:	4.6391	4.4408	14.147
Number of data:	23.000	62.000	5.0000

### 6.2 Plot for DARK limb products

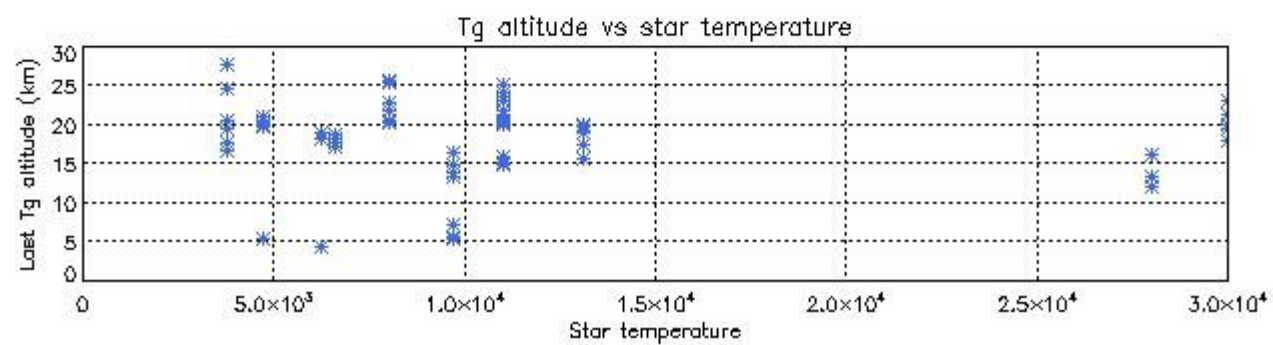
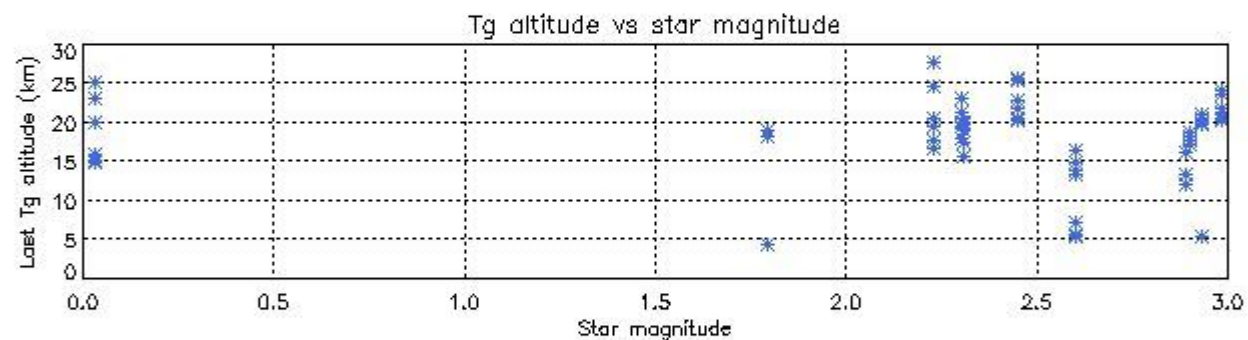
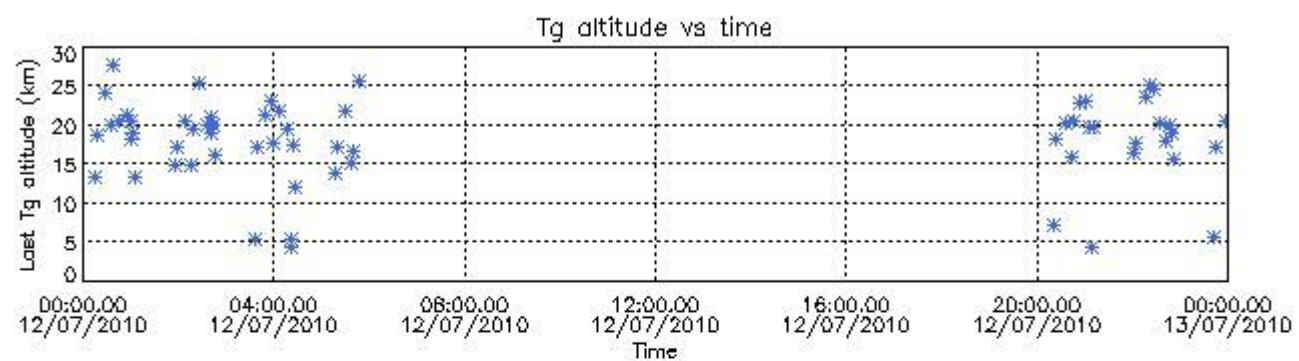


Tangent altitude at which the star is lost



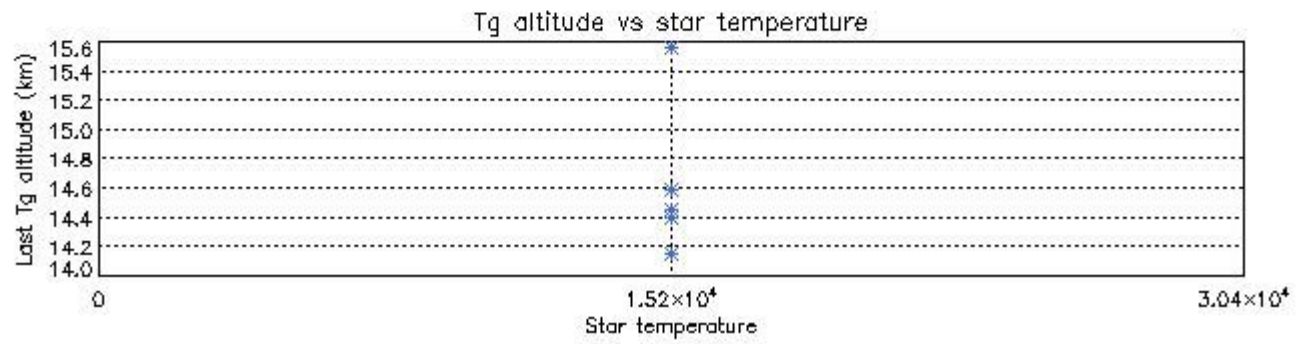
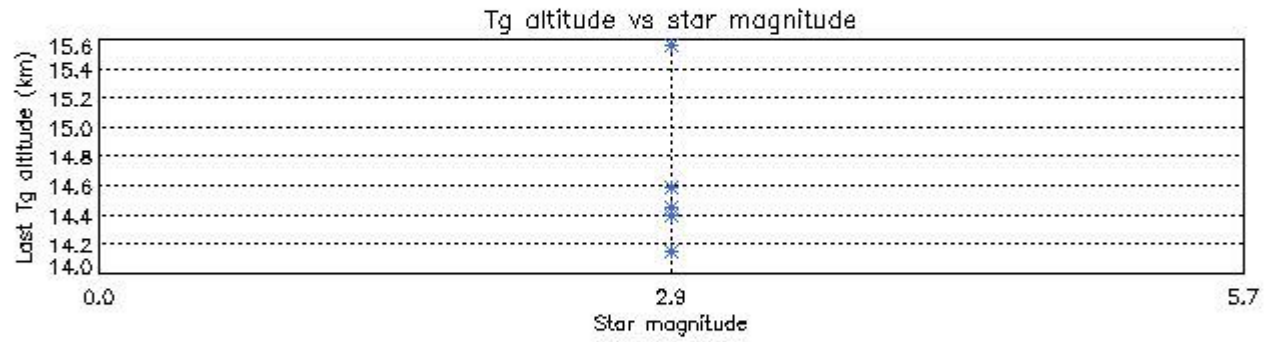
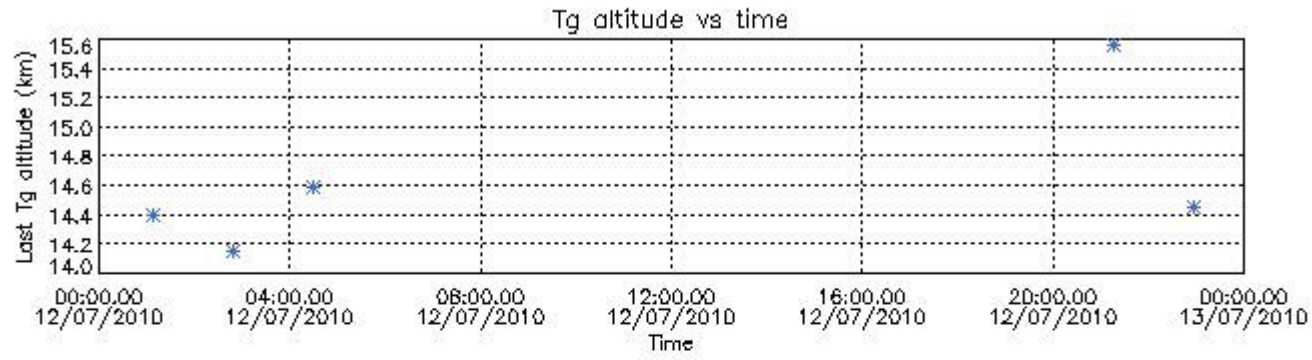
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost



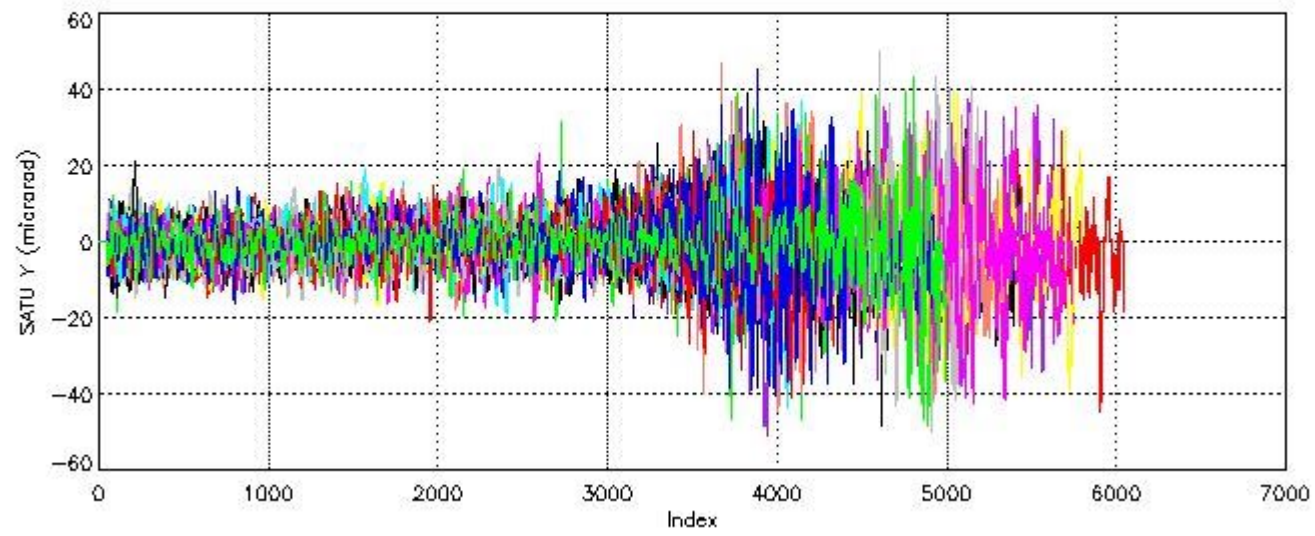
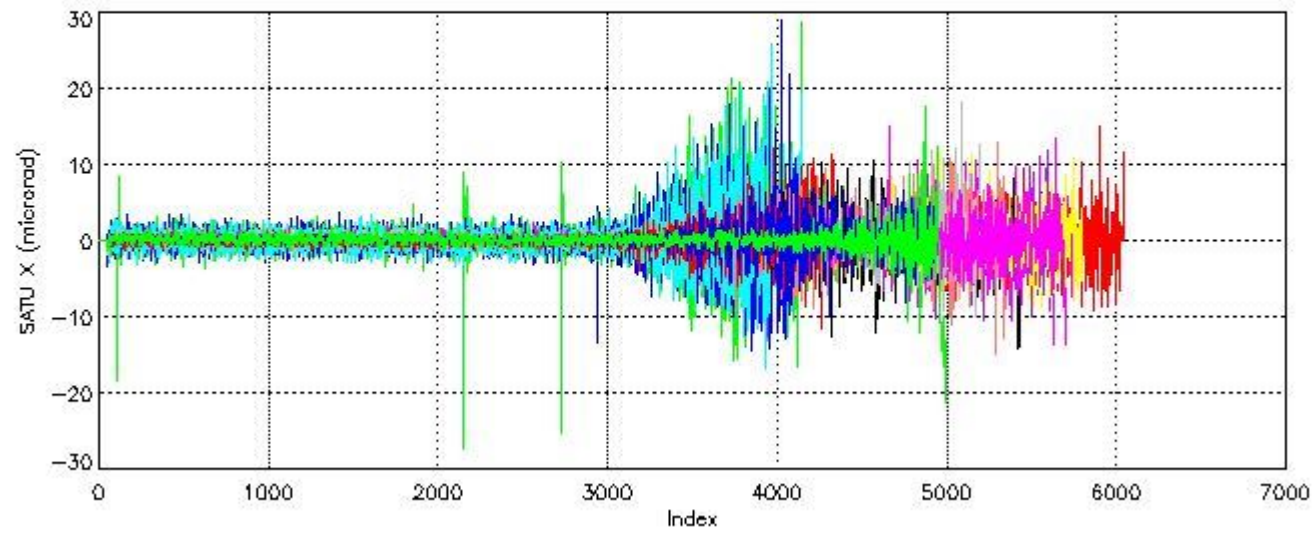
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.14298	-0.67639	0.19043	-0.55361
St. deviation:	0.46886	4.2901	0.83994	4.0052
Maximum:	8.3000	21.000	6.3000	18.300
Minimum:	-18.300	-18.300	-5.8000	-19.000

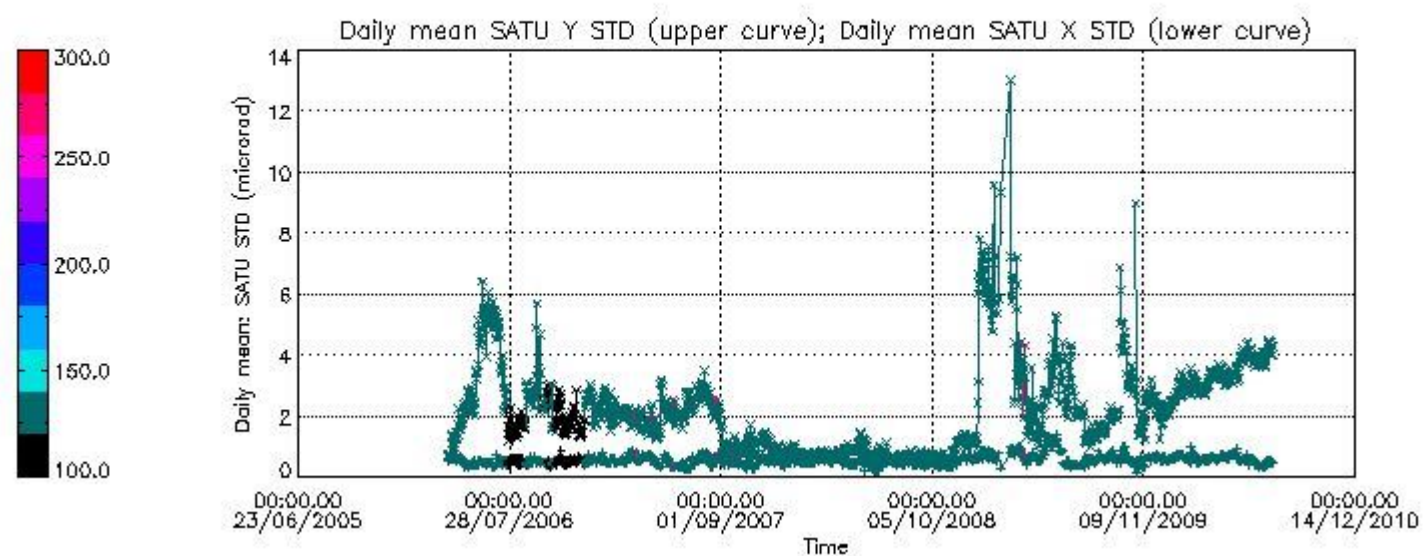
Number of data:	23400.	23400.	60400.	60400.
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### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

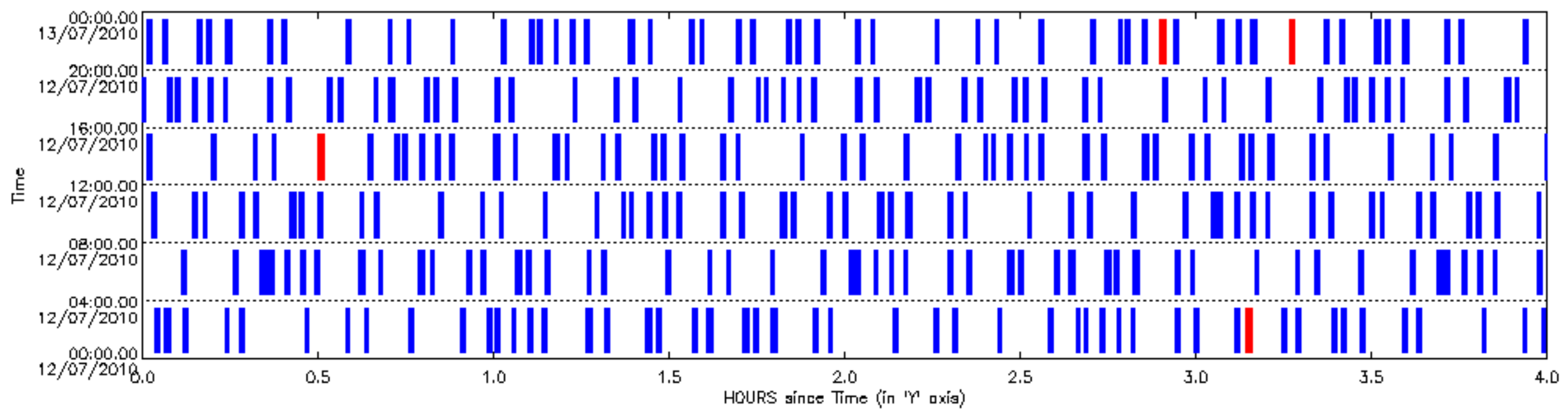
Upper curve: STD of SATU Y axis  
Lower curve: STD of SATU X axis



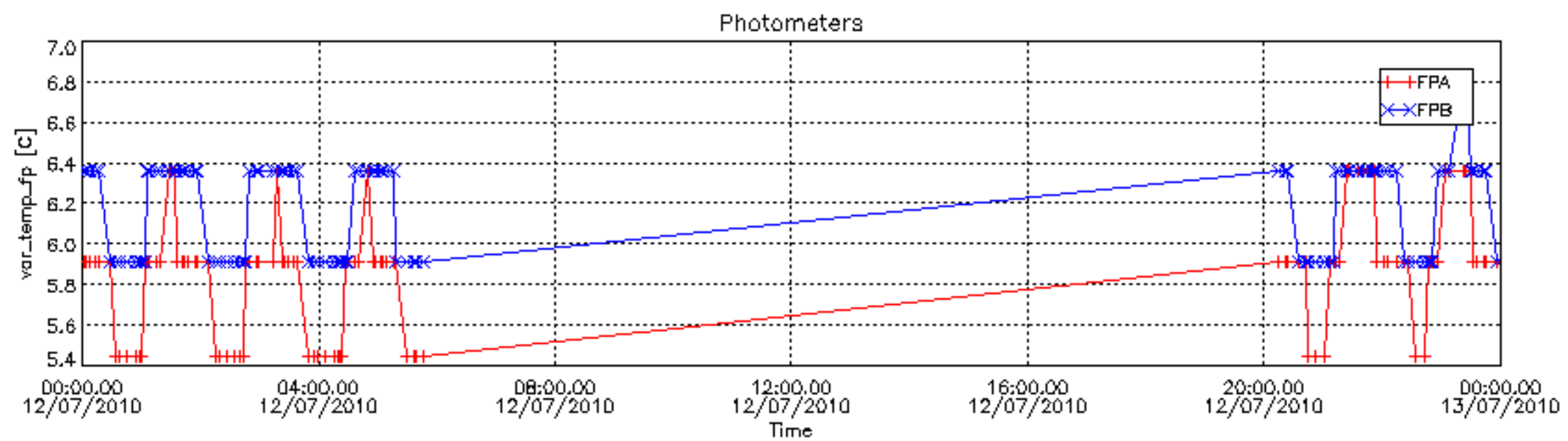
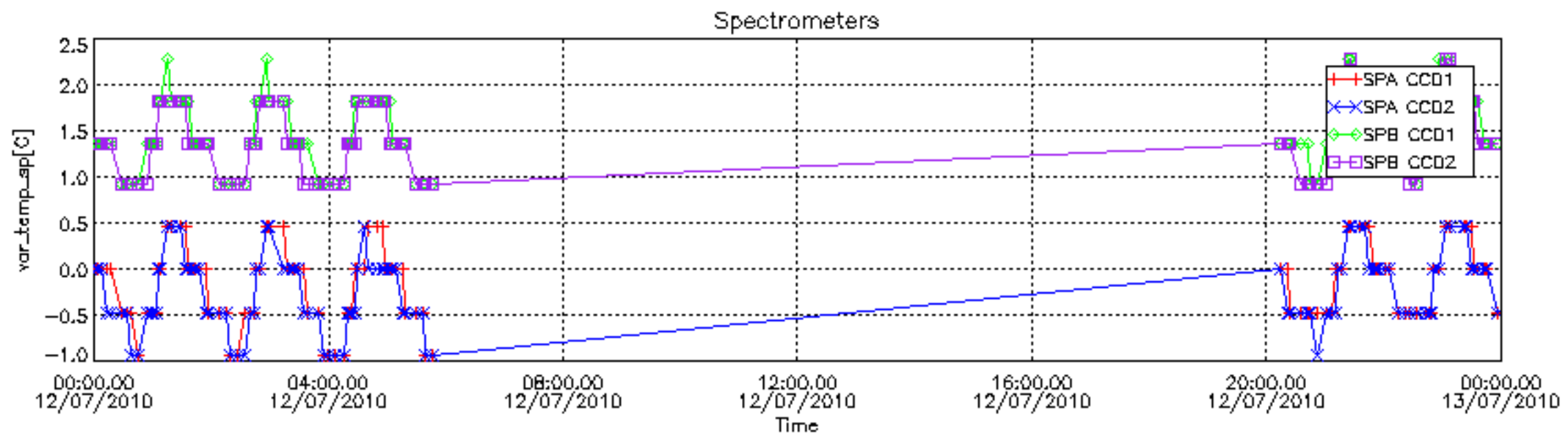
### 8. Auxiliary Data Files used for the production reported in section 2.4

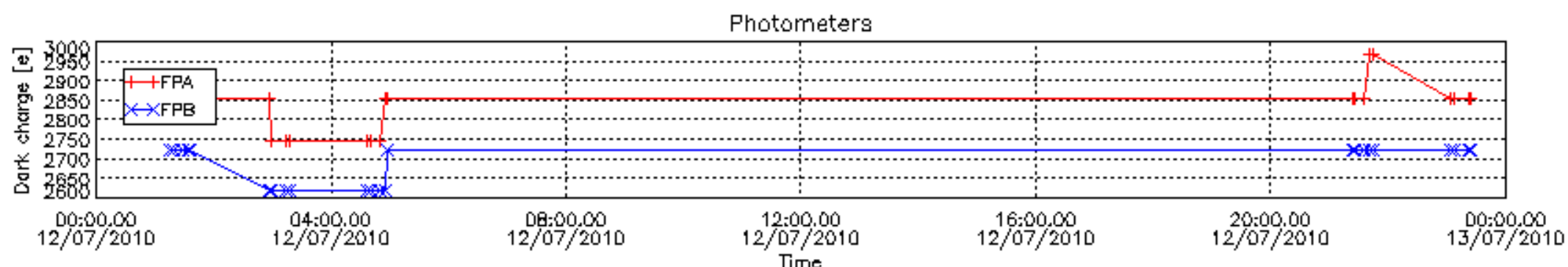
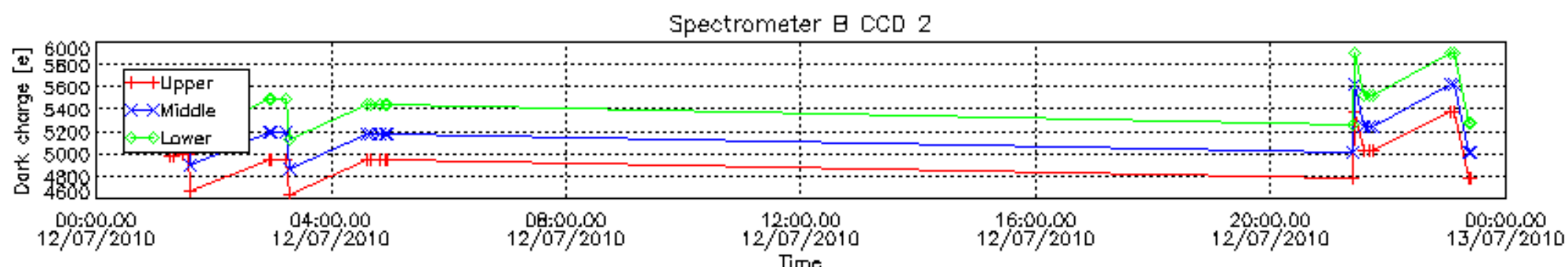
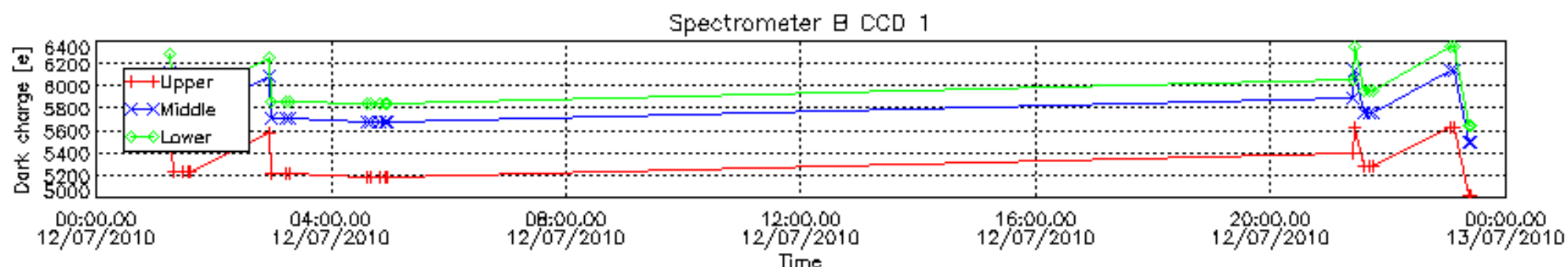
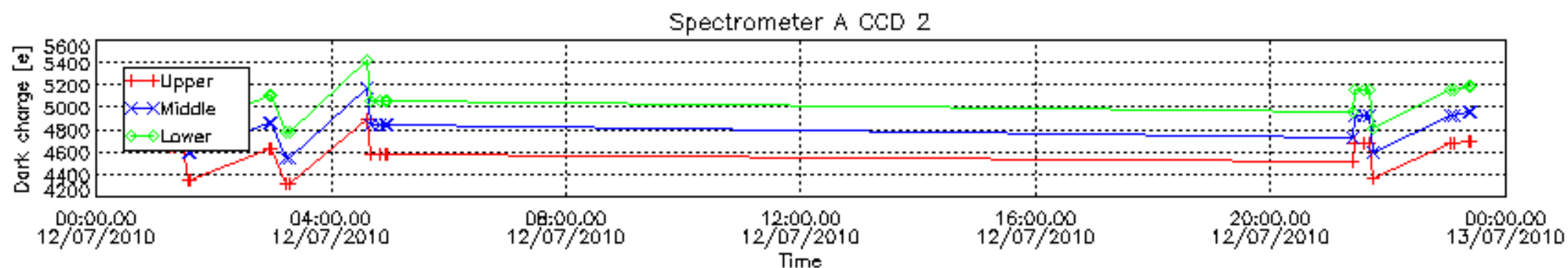
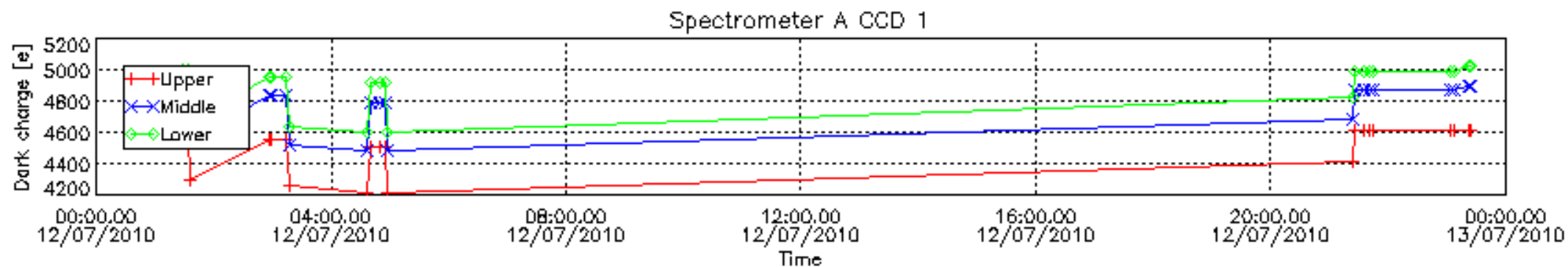
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

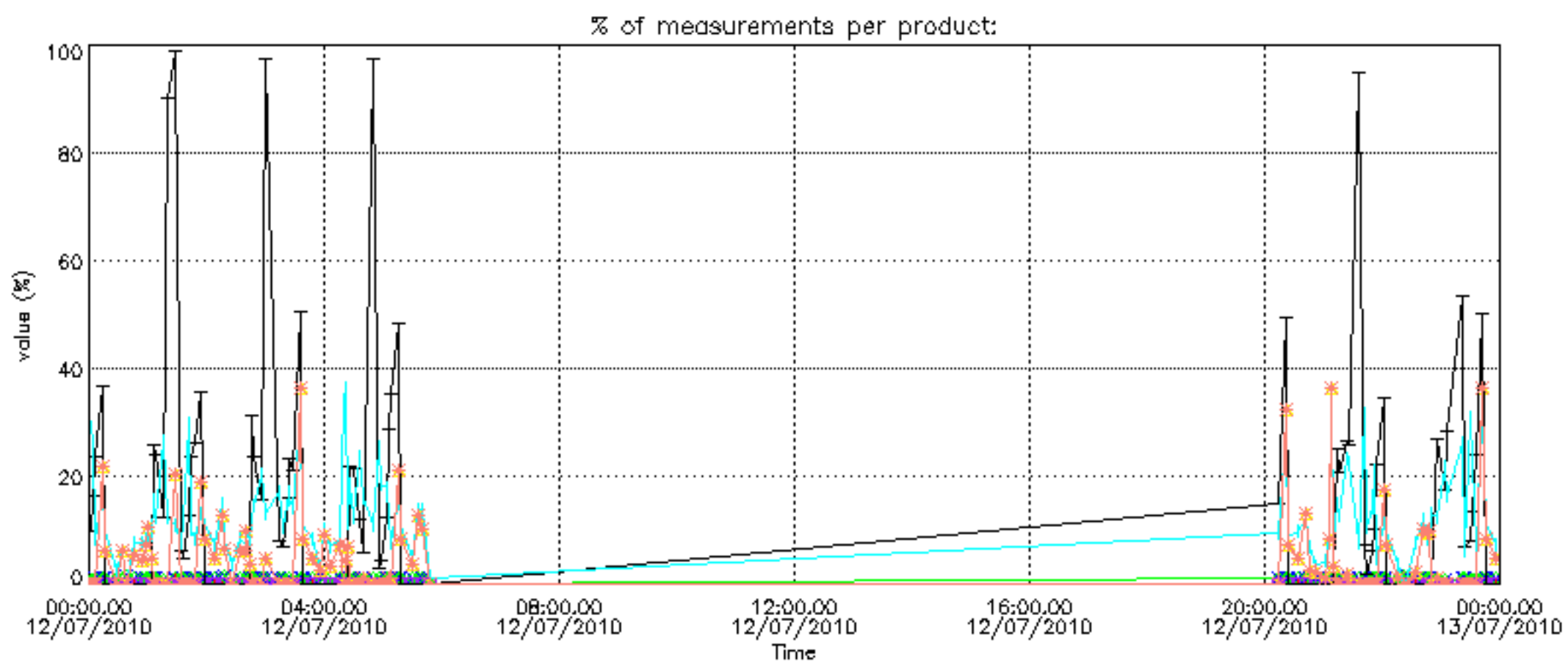
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-JUL-2010 00:01:55
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100706_092041_20100704_000000_20500101_000000	1	12-JUL-2010 00:01:55
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	12-JUL-2010 00:01:55
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	12-JUL-2010 00:01:55
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	12-JUL-2010 00:01:55
ECMWF_FILE	AUX_ECF_AXNECM20100711_054112_20100711_210000_20100712_090000	1	12-JUL-2010 00:01:55
ECMWF_FILE	AUX_ECF_AXNECM20100711_172114_20100712_030000_20100712_150000	49	12-JUL-2010 04:15:25
ECMWF_FILE	AUX_ECF_AXNECM20100712_052431_20100712_150000_20100713_030000	69	12-JUL-2010 20:14:09
ECMWF_FILE	AUX_ECF_AXNECM20100712_054429_20100712_210000_20100713_090000	83	12-JUL-2010 21:26:18
OPTIONAL_ECMWF_FILE	MISSING	1	12-JUL-2010 00:01:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100711_233556_000057382091_00087_43728_0729.N1	1	12-JUL-2010 00:01:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100712_011653_000041442091_00088_43729_0730.N1	18	12-JUL-2010 01:27:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100712_023116_000057382091_00089_43730_0731.N1	30	12-JUL-2010 02:34:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100712_041213_000057382091_00090_43731_0732.N1	49	12-JUL-2010 04:15:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100712_200835_000041442091_00100_43741_0733.N1	69	12-JUL-2010 20:14:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100712_212258_000057382091_00100_43741_0734.N1	83	12-JUL-2010 21:26:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100712_230355_000057382091_00101_43742_0735.N1	103	12-JUL-2010 23:21:57





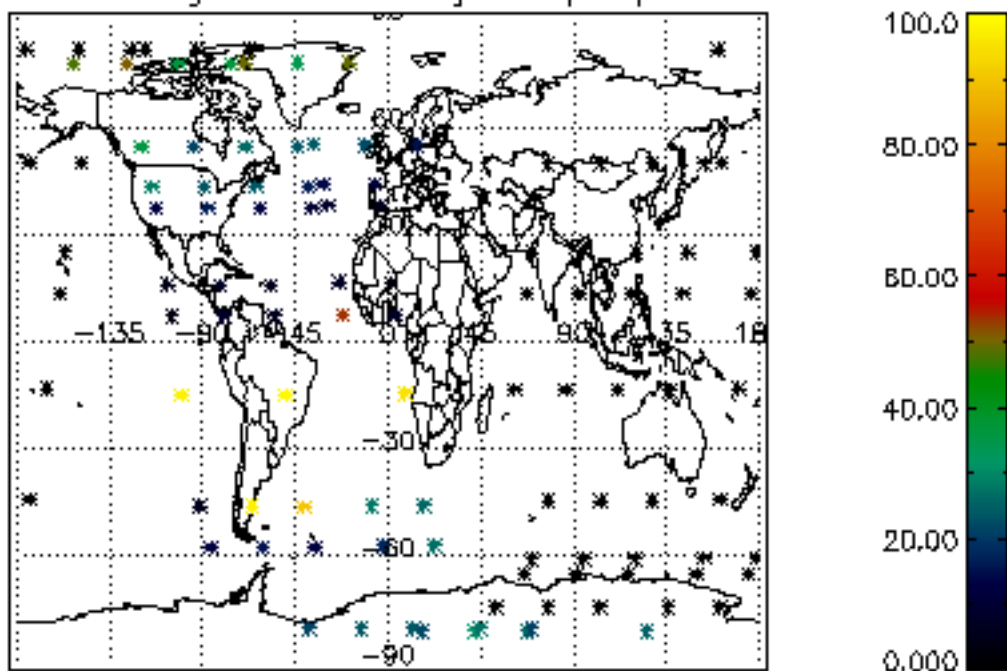




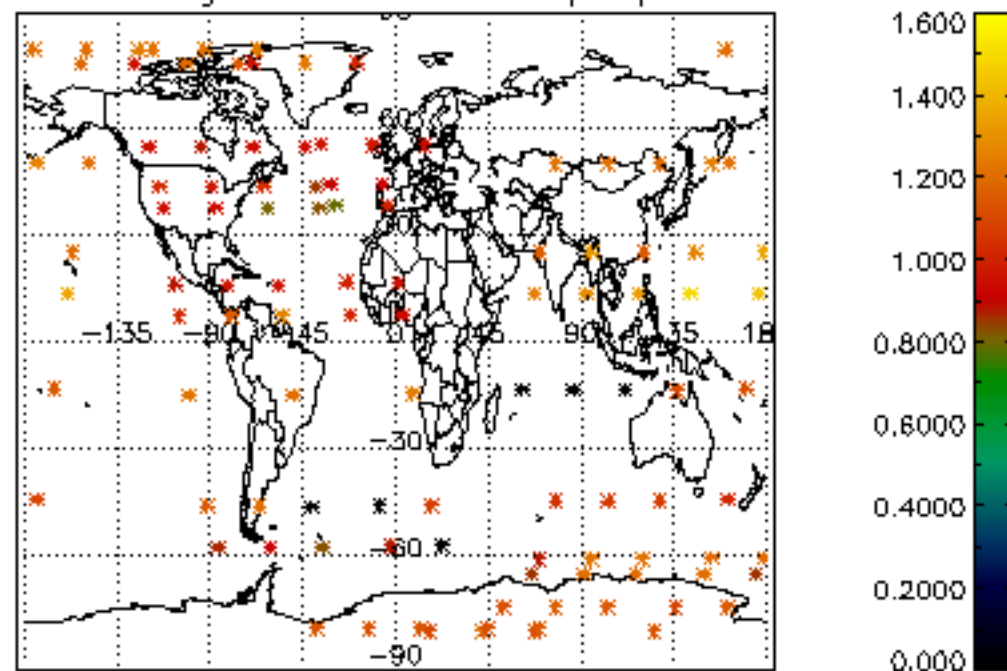




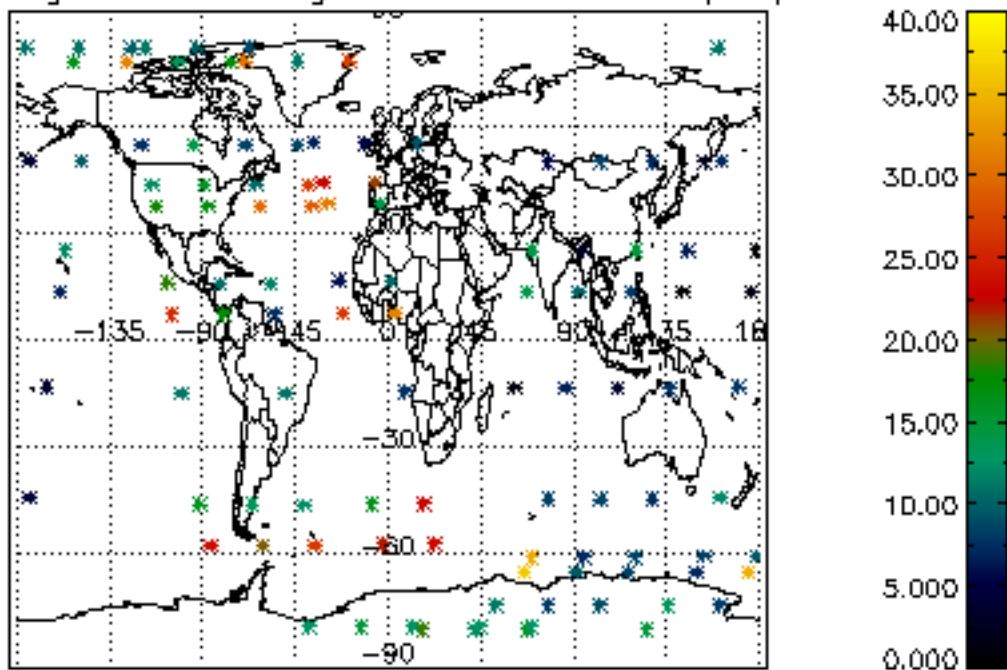
Percentage of cosmic ray hits per profile



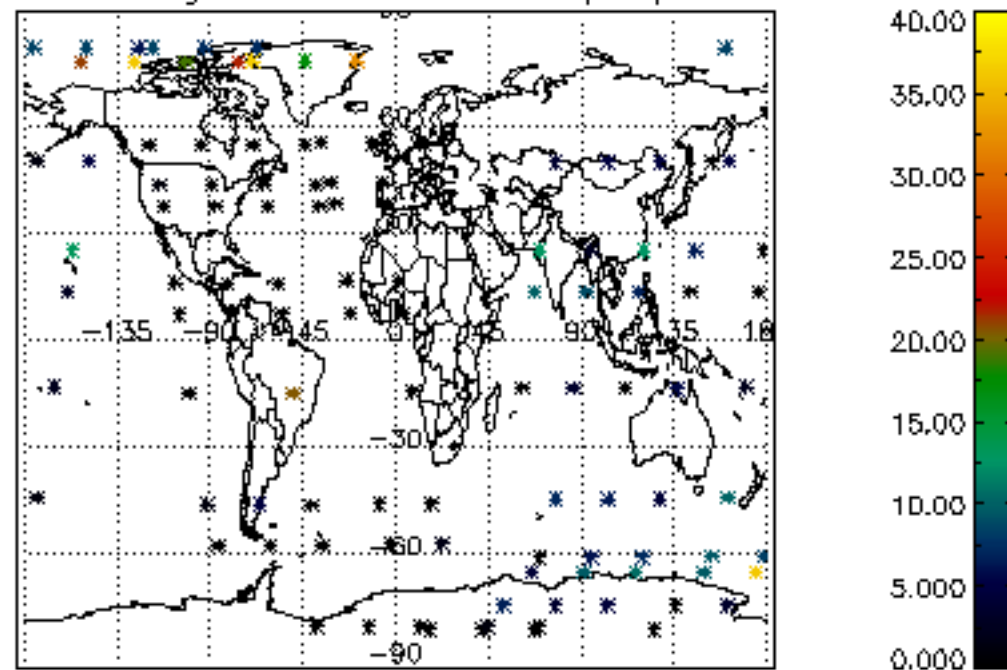
Percentage of datation errors per profile



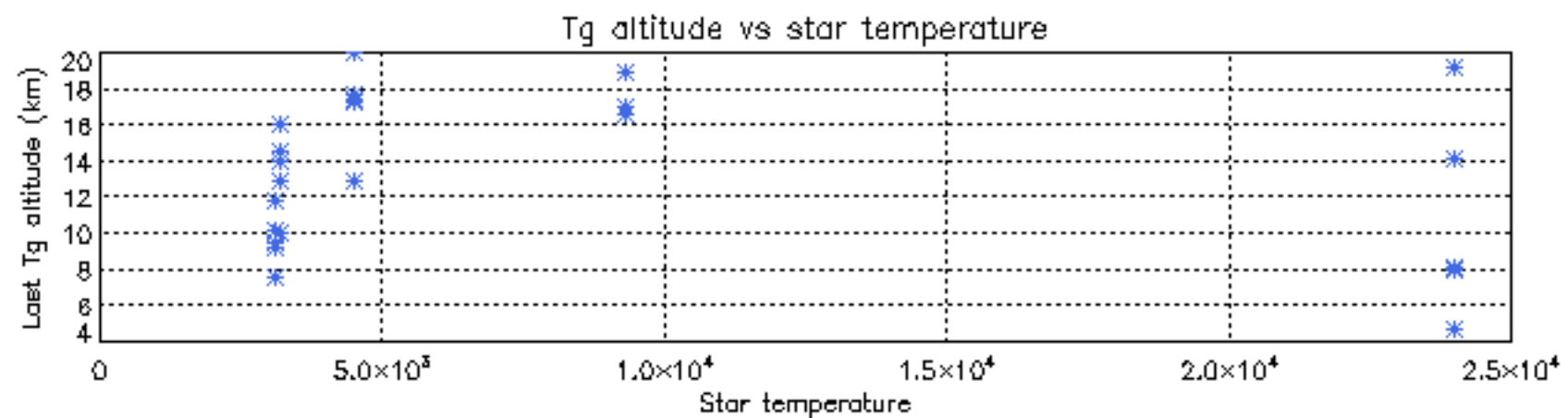
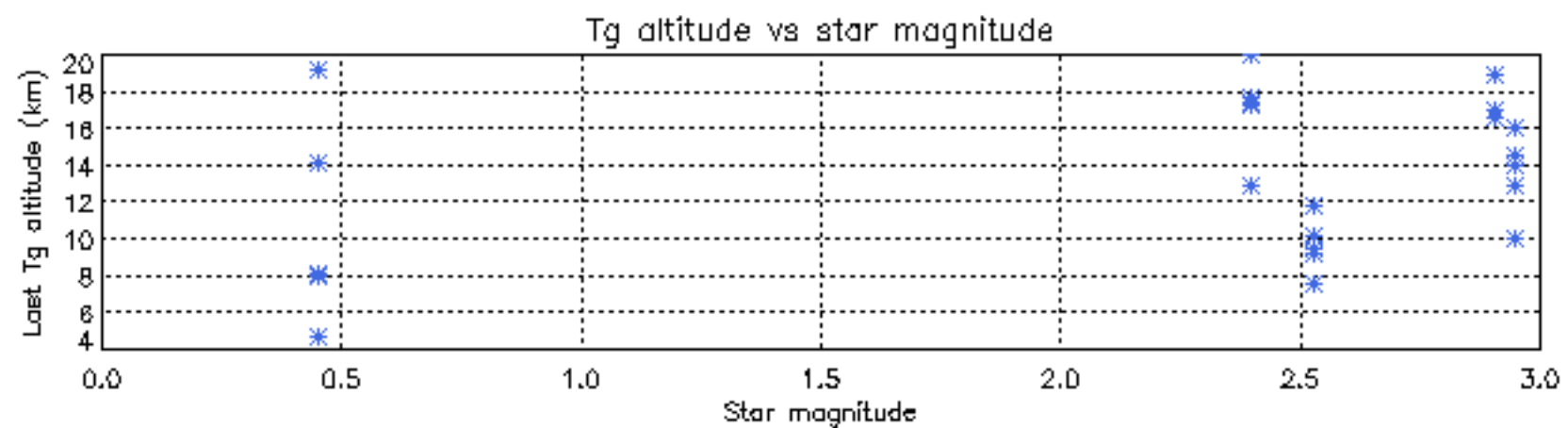
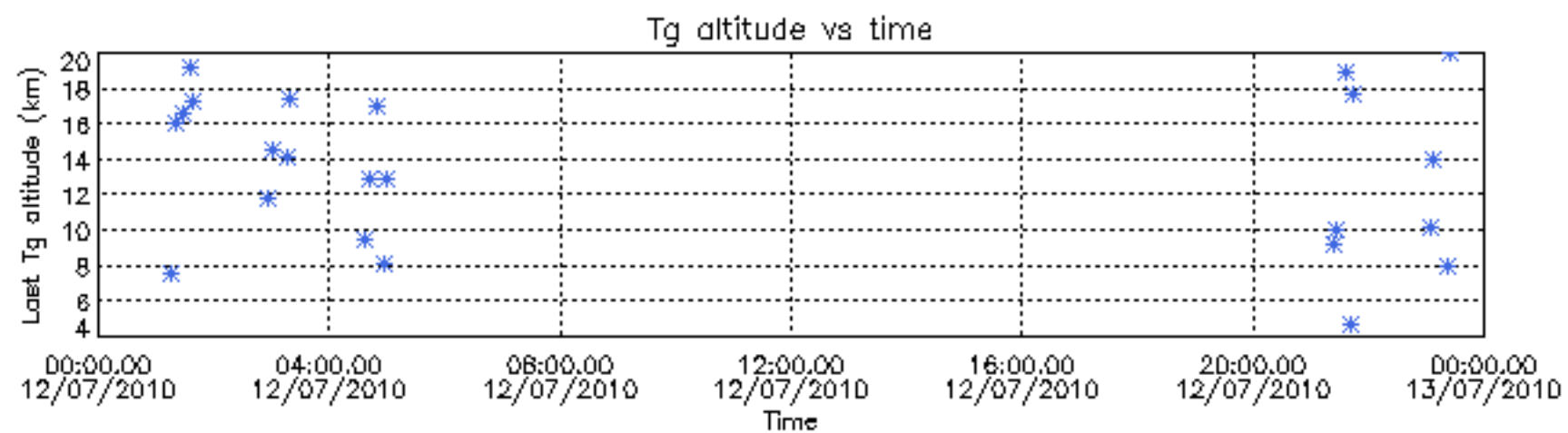
Percentage of star falling outside central band per profile



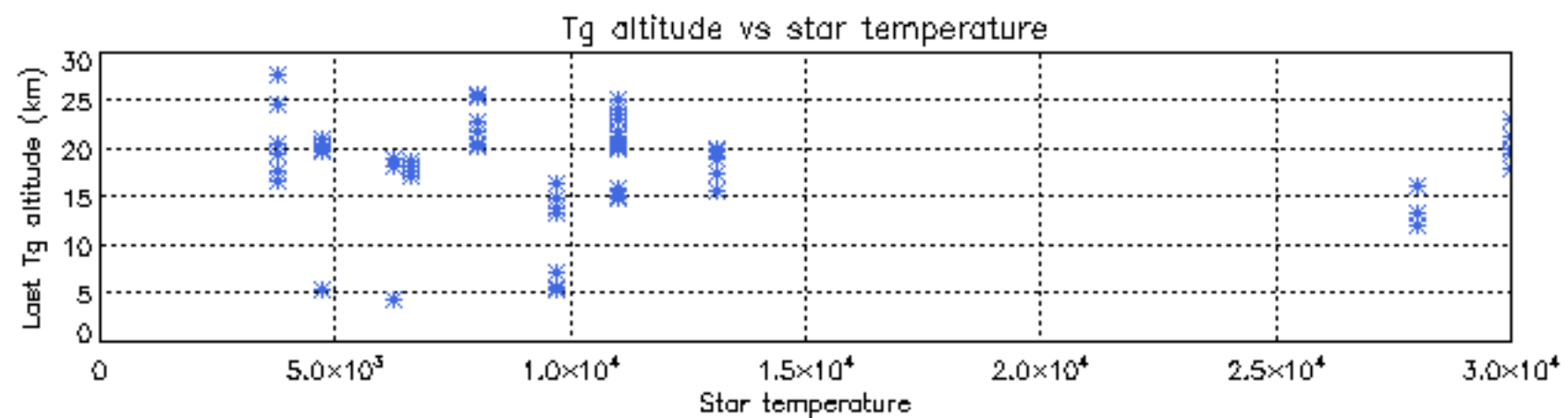
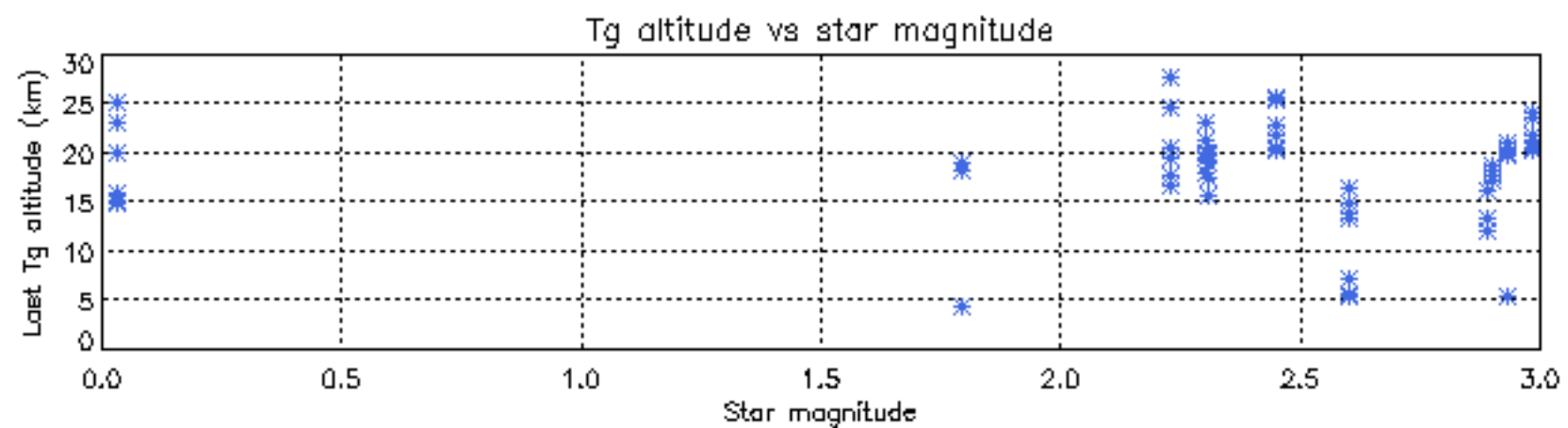
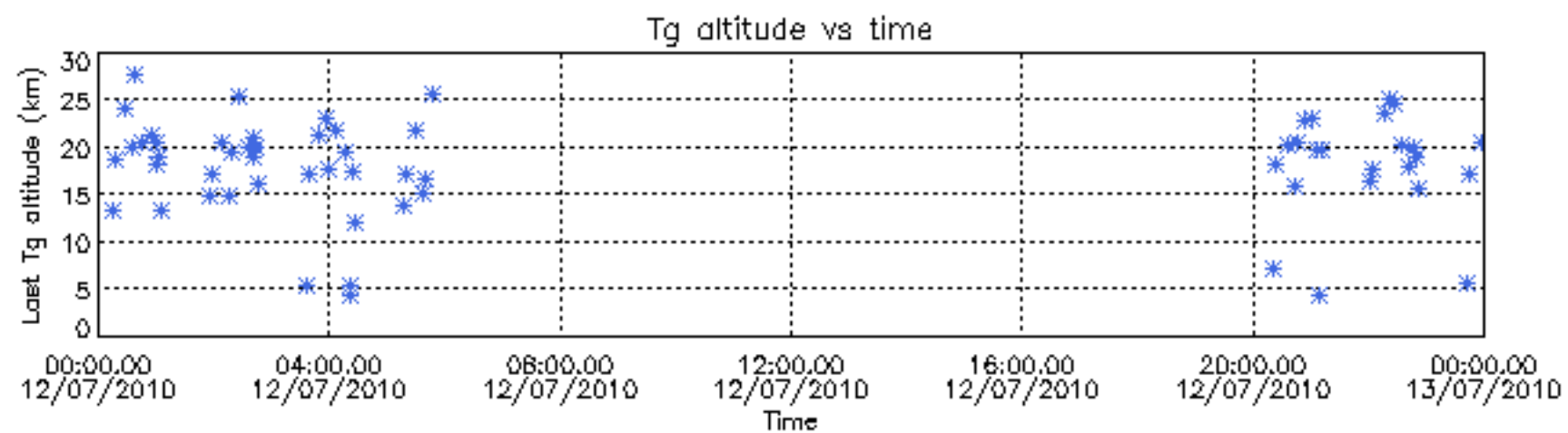
Percentage of saturation errors per profile



Tangent altitude at which the star is lost

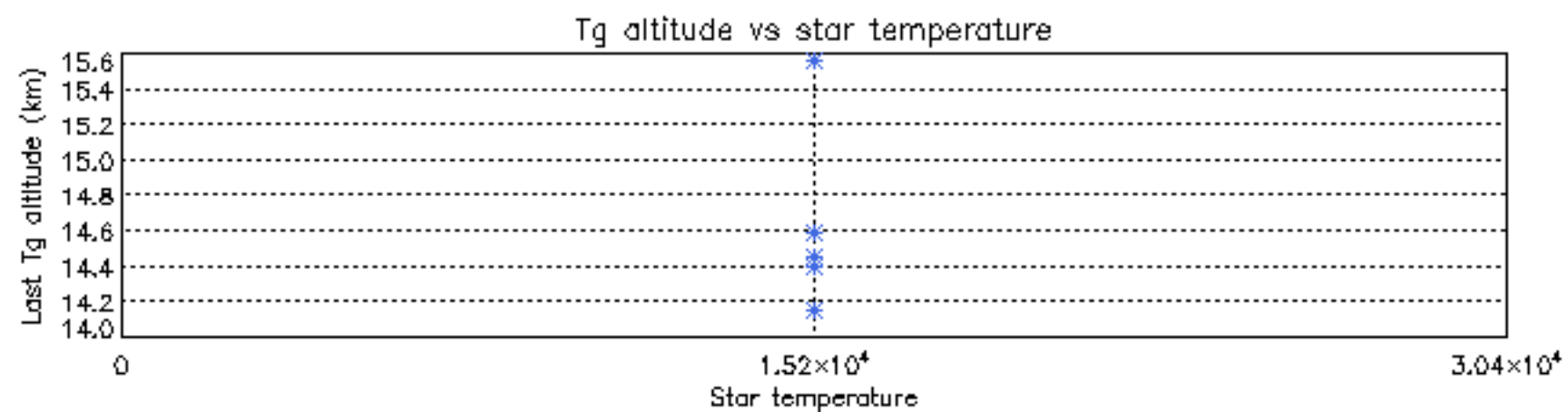
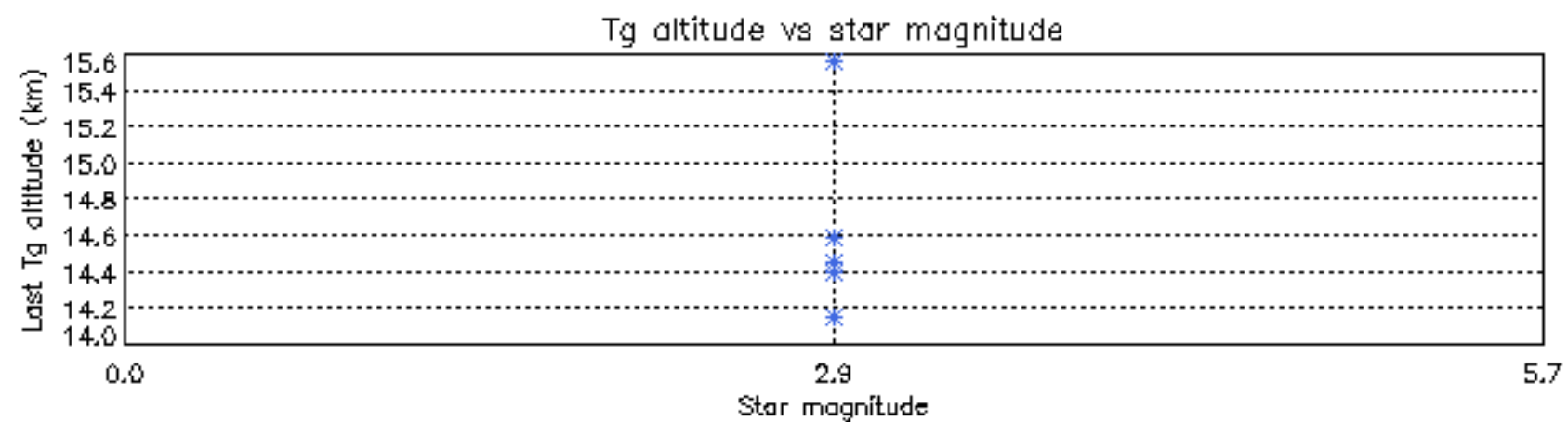
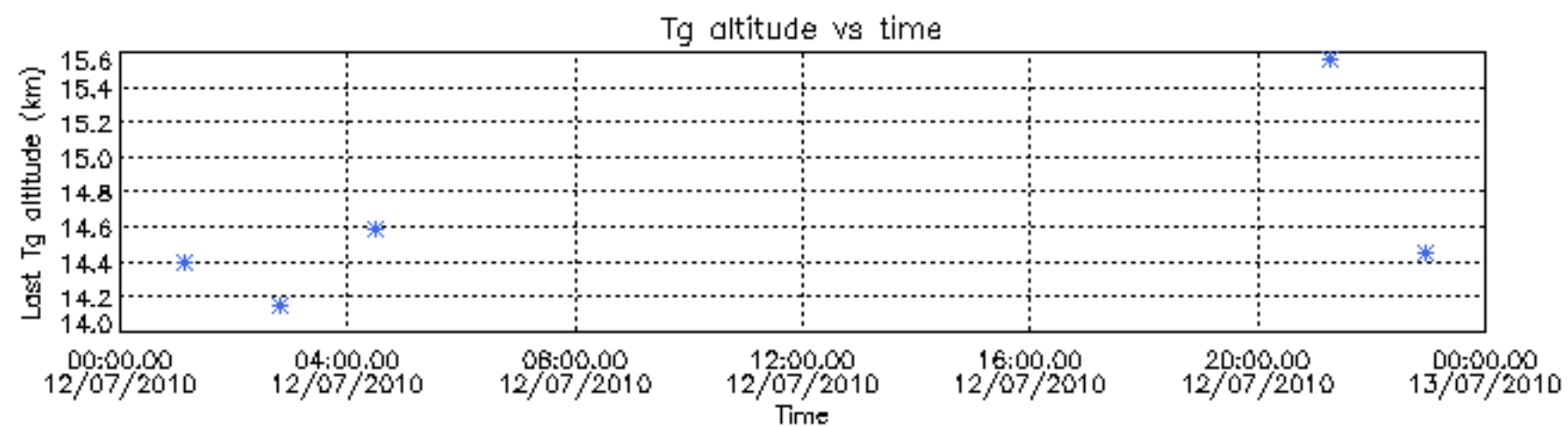


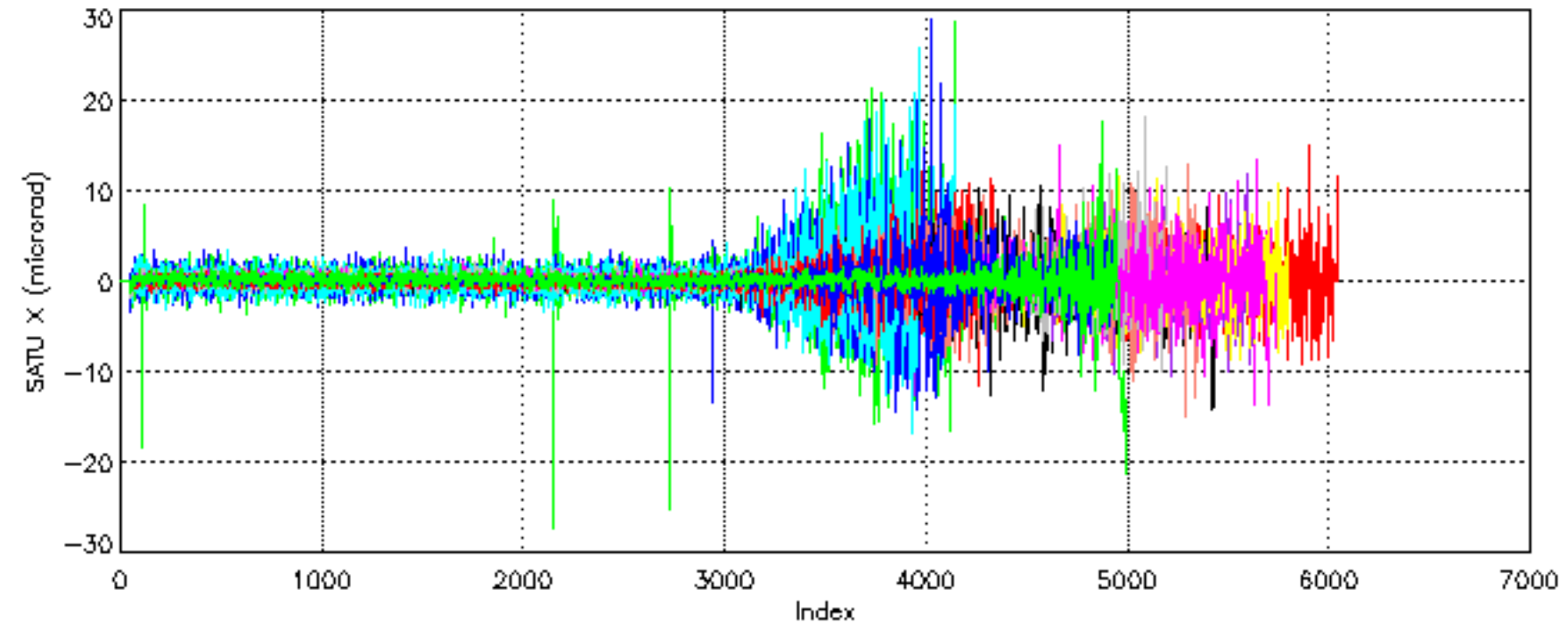
Tangent altitude at which the star is lost

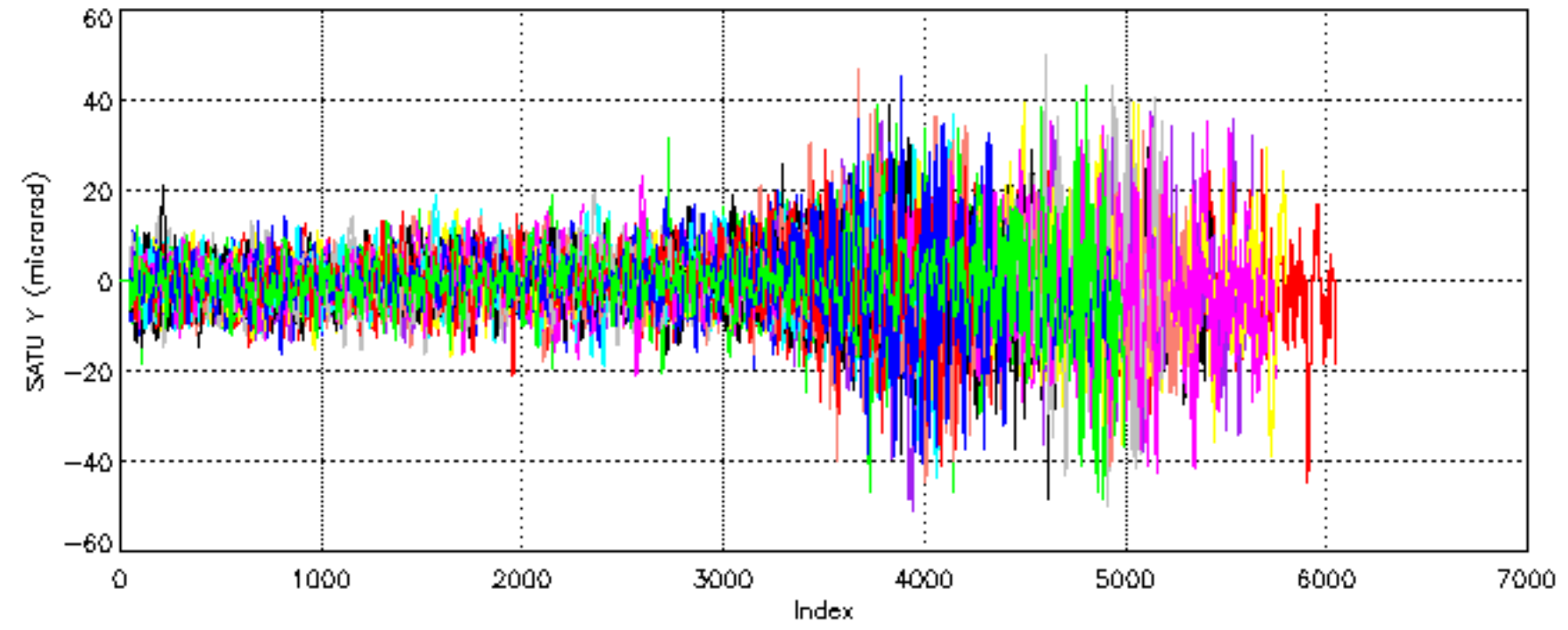


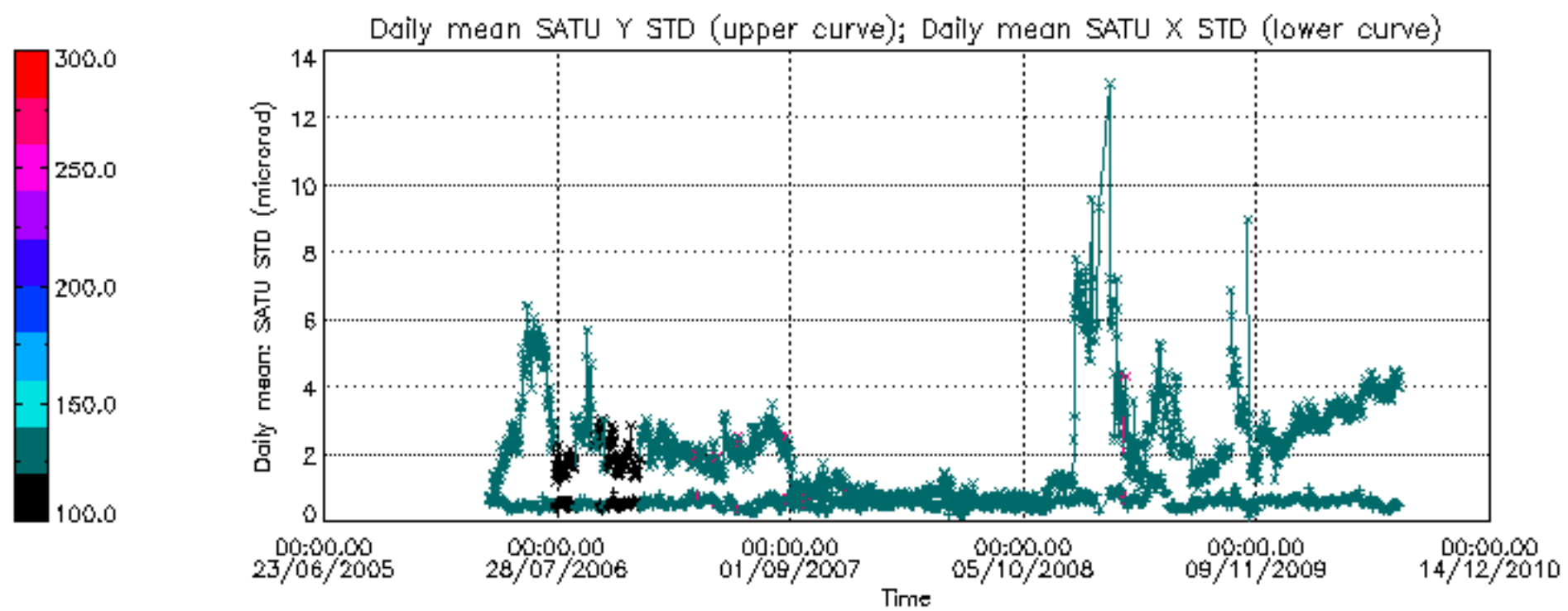


Tangent altitude at which the star is lost











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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

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100701\_032106\_000056372090\_00433\_43573\_0357.N1

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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1; -2250.9; 01-JUL-2010 06:42:17; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43575
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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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
10; 3131.4; 01-JUL-2010 23:17:23; Bright; 62.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 124; 0;43585
11; 3336.9; 01-JUL-2010 23:20:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;43585
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13; 3873.9; 01-JUL-2010 23:29:45; Bright; 42.0; 110; 37Del Cas ; 2.68; 8900;occ; 84; 0;43585
14; 4266.0; 01-JUL-2010 23:36:17; Bright; 54.0; 73; 57Gam1And ; 2.26; 13100;occ; 108; 0;43585
15; 4419.3; 01-JUL-2010 23:38:51; Dark ; 70.0; 53; 43Bet And ; 2.05; 3300;occ; 140; 0;43585
16; 4682.9; 01-JUL-2010 23:43:14; Dark ; 58.5; 50; 13Alp Ari ; 2.01; 4250;occ; 117; 0;43585
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1; -524.0; 01-JUL-2010 23:57:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43585
2; -151.8; 02-JUL-2010 00:03:15; Dark ; 71.0; 52; 16Bet Cet ; 2.04; 4500;occ; 142; 0;43585
3; 109.1; 02-JUL-2010 00:07:36; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43586
4; 497.1; 02-JUL-2010 00:14:04; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43586
5; 598.1; 02-JUL-2010 00:15:45; Dark ; 96.5; 18; 24Alp PsA ; 1.17; 9700;occ; 193; 0;43586
6; 787.6; 02-JUL-2010 00:18:55; Dark ; 56.5; 172; Gam Gru ; 3.00; 13100;occ; 113; 0;43586
7; 1482.7; 02-JUL-2010 00:30:30; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;43586
8; 2226.2; 02-JUL-2010 00:42:53; Bright; 46.0; 168; 17Zet Aql ; 2.99; 11000;occ; 92; 0;43586
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3; 2858.8; 06-JUL-2010 20:34:45; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;43655
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8; 4259.8; 06-JUL-2010 20:58:06; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;43655
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5; 742.6; 08-JUL-2010 00:29:40; Dark ; 81.0; 18; 24Alp PsA ; 1.17; 9700;occ; 162; 0;43672
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14; 5160.8; 30-JUL-2010 08:34:21; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;43991
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18; 6324.1; 30-JUL-2010 08:53:45; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;43992
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16; 5715.8; 30-JUL-2010 10:24:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43992
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3; 2700.7; 30-JUL-2010 11:14:33; Bright; 38.5; 144; 18Del Cyg ; 2.86; 11000;occ; 77; 0;43993
4; 2778.9; 30-JUL-2010 11:15:51; Bright; 47.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 94; 0;43993
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9; 4316.3; 30-JUL-2010 11:41:29; Bright; 58.5; 149; 45Eps Per ; 2.89; 30000;occ; 117; 0;43993
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11; 4633.6; 30-JUL-2010 11:46:46; Dark ; 40.5; 176; 23Zet Tau ; 3.02; 22000;occ; 81; 0;43993

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 13; 4901.1; 30-JUL-2010 11:51:13; Dark ; 42.0; 27; 24Gam Ori ; 1.64; 26000;occ; 84; 0;43993  
 14; 5161.4; 30-JUL-2010 11:55:34; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;43993  
 15; 5423.7; 30-JUL-2010 11:59:56; Dark ; 54.0; 165; 34Gam Eri ; 2.95; 3200;occ; 108; 0;43993  
 16; 5716.4; 30-JUL-2010 12:04:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43993  
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 19; 6601.4; 30-JUL-2010 12:19:34; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;43994  
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 4; 4085.1; 30-JUL-2010 13:18:13; Bright; 49.0; 35; 33Alp Per ; 1.79; 6250;occ; 98; 0;43994  
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 12; 5424.5; 30-JUL-2010 13:40:33; Dark ; 52.5; 165; 34Gam Eri ; 2.95; 3200;occ; 105; 0;43994  
 13; 5717.1; 30-JUL-2010 13:45:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43994  
 14; 5988.7; 30-JUL-2010 13:49:57; Dark ; 45.0; 157; The1Eri ; 2.91; 9300;occ; 90; 0;43994  
 15; 6325.8; 30-JUL-2010 13:55:34; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;43995  
 16; 6602.5; 30-JUL-2010 14:00:11; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;43995  
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 5; 4316.4; 30-JUL-2010 15:02:40; Bright; 45.0; 149; 45Eps Per ; 2.89; 30000;occ; 90; 0;43995  
 6; 4510.7; 30-JUL-2010 15:05:55; Dark ; 55.0; 28; 12Bet Tau ; 1.65; 15200;occ; 110; 0;43995  
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 11; 5425.5; 30-JUL-2010 15:21:09; Dark ; 54.5; 165; 34Gam Eri ; 2.95; 3200;occ; 109; 0;43995  
 12; 5717.8; 30-JUL-2010 15:26:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43995  
 13; 5989.9; 30-JUL-2010 15:30:34; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;43995  
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 15; 6603.7; 30-JUL-2010 15:40:48; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;43996  
 16; 6942.9; 30-JUL-2010 15:46:27; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43996  
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 3; 2699.6; 30-JUL-2010 16:16:20; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;43996  
 4; 3100.8; 30-JUL-2010 16:23:01; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;43996  
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4; 2696.1; 31-JUL-2010 20:46:27; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;44013
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