

GOMOS Daily Report 11-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	15JUL2010 04:54:35
Data source version	GOMOS/5.01
Start time of products	11JUL2010 00:06:35
Stop time of products	11JUL2010 23:55:50
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)

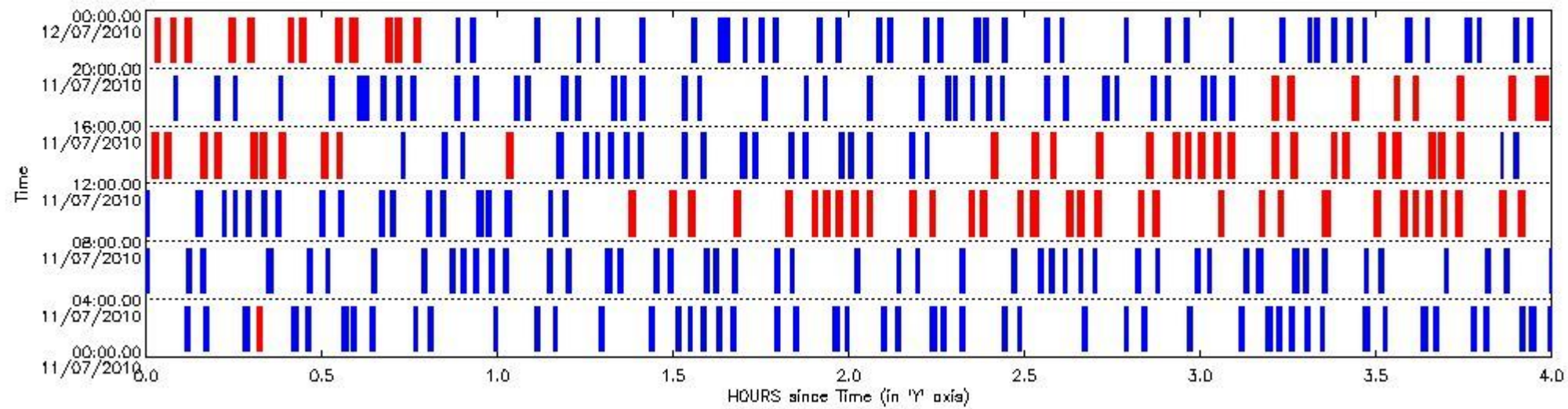
2.1 Level 0 products arrived in PCF (see template [here](#))

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
11-JUL-2010 00:18:51	The1Eri	157	43714
11-JUL-2010 09:22:25	17ZetAql	168	43720
11-JUL-2010 09:29:28	3AlpLyr	5	43720
11-JUL-2010 09:32:39	33GamDra	69	43720
11-JUL-2010 09:40:20	5AlpCep	89	43720
11-JUL-2010 09:49:04	27GamCas	76	43720
11-JUL-2010 09:53:41	23GamPer	160	43720
11-JUL-2010 09:55:39	39DelPer	175	43720
11-JUL-2010 09:57:49	26BetPer	79	43720
11-JUL-2010 10:00:31	44ZetPer	150	43720
11-JUL-2010 10:02:59	25EtaTau	146	43720
11-JUL-2010 10:10:24	92AlpCet	94	43720
11-JUL-2010 10:13:42	34GamEri	165	43720
11-JUL-2010 10:20:26	DSA1066	0	43720
11-JUL-2010 10:22:30	The1Eri	157	43720

11-JUL-2010 10:28:42	AlpEri	9	43721
11-JUL-2010 10:31:02	AlpPhe	84	43721
11-JUL-2010 10:37:09	BetGru	63	43721
11-JUL-2010 10:38:53	AlpGru	31	43721
11-JUL-2010 10:42:03	GamGru	172	43721
11-JUL-2010 10:49:21	38ZetSgr	103	43721
11-JUL-2010 10:51:54	41PiSgr	155	43721
11-JUL-2010 11:03:00	17ZetAql	168	43721
11-JUL-2010 11:10:04	3AlpLyr	5	43721
11-JUL-2010 11:13:15	33GamDra	69	43721
11-JUL-2010 11:20:56	5AlpCep	89	43721
11-JUL-2010 11:29:39	27GamCas	76	43721
11-JUL-2010 11:34:17	23GamPer	160	43721
11-JUL-2010 11:36:15	39DelPer	175	43721
11-JUL-2010 11:38:25	26BetPer	79	43721
11-JUL-2010 11:41:07	44ZetPer	150	43721
11-JUL-2010 11:43:35	25EtaTau	146	43721
11-JUL-2010 11:51:00	92AlpCet	94	43721
11-JUL-2010 11:54:19	34GamEri	165	43721
11-JUL-2010 12:01:03	DSA1066	0	43721
11-JUL-2010 12:03:07	The1Eri	157	43721
11-JUL-2010 12:09:18	AlpEri	9	43722
11-JUL-2010 12:11:39	AlpPhe	84	43722
11-JUL-2010 12:17:46	BetGru	63	43722
11-JUL-2010 12:19:29	AlpGru	31	43722
11-JUL-2010 12:22:40	GamGru	172	43722
11-JUL-2010 12:29:57	38ZetSgr	103	43722
11-JUL-2010 12:32:30	41PiSgr	155	43722
11-JUL-2010 13:01:31	5AlpCep	89	43722
11-JUL-2010 14:24:12	17ZetAql	168	43723
11-JUL-2010 14:31:15	3AlpLyr	5	43723
11-JUL-2010 14:34:27	33GamDra	69	43723
11-JUL-2010 14:42:06	5AlpCep	89	43723
11-JUL-2010 14:50:50	27GamCas	76	43723
11-JUL-2010 14:55:28	23GamPer	160	43723
11-JUL-2010 14:57:26	39DelPer	175	43723
11-JUL-2010 14:59:37	26BetPer	79	43723
11-JUL-2010 15:02:20	44ZetPer	150	43723
11-JUL-2010 15:04:48	25EtaTau	146	43723
11-JUL-2010 15:12:13	92AlpCet	94	43723
11-JUL-2010 15:15:31	34GamEri	165	43723
11-JUL-2010 15:22:17	DSA1066	0	43723
11-JUL-2010 15:24:20	The1Eri	157	43723
11-JUL-2010 15:30:31	AlpEri	9	43724
11-JUL-2010 15:32:54	AlpPhe	84	43724
11-JUL-2010 15:39:00	BetGru	63	43724
11-JUL-2010 15:40:43	AlpGru	31	43724
11-JUL-2010 15:43:53	GamGru	172	43724
11-JUL-2010 19:12:21	38ZetSgr	103	43726
11-JUL-2010 19:14:54	41PiSgr	155	43726
11-JUL-2010 19:25:59	17ZetAql	168	43726
11-JUL-2010 19:33:02	3AlpLyr	5	43726
11-JUL-2010 19:36:14	33GamDra	69	43726
11-JUL-2010 19:43:52	5AlpCep	89	43726
11-JUL-2010 19:52:36	27GamCas	76	43726
11-JUL-2010 19:57:15	23GamPer	160	43726
11-JUL-2010 19:58:32	33AlpPer	35	43726
11-JUL-2010 20:01:24	26BetPer	79	43726
11-JUL-2010 20:04:08	44ZetPer	150	43726

11-JUL-2010 20:06:36	25EtaTau	146	43726
11-JUL-2010 20:14:03	92AlpCet	94	43726
11-JUL-2010 20:17:21	34GamEri	165	43726
11-JUL-2010 20:24:09	DSA1066	0	43726
11-JUL-2010 20:26:10	The1Eri	157	43726
11-JUL-2010 20:32:21	AlpEri	9	43727
11-JUL-2010 20:34:45	AlpPhe	84	43727
11-JUL-2010 20:40:50	BetGru	63	43727
11-JUL-2010 20:42:33	AlpGru	31	43727
11-JUL-2010 20:45:43	GamGru	172	43727

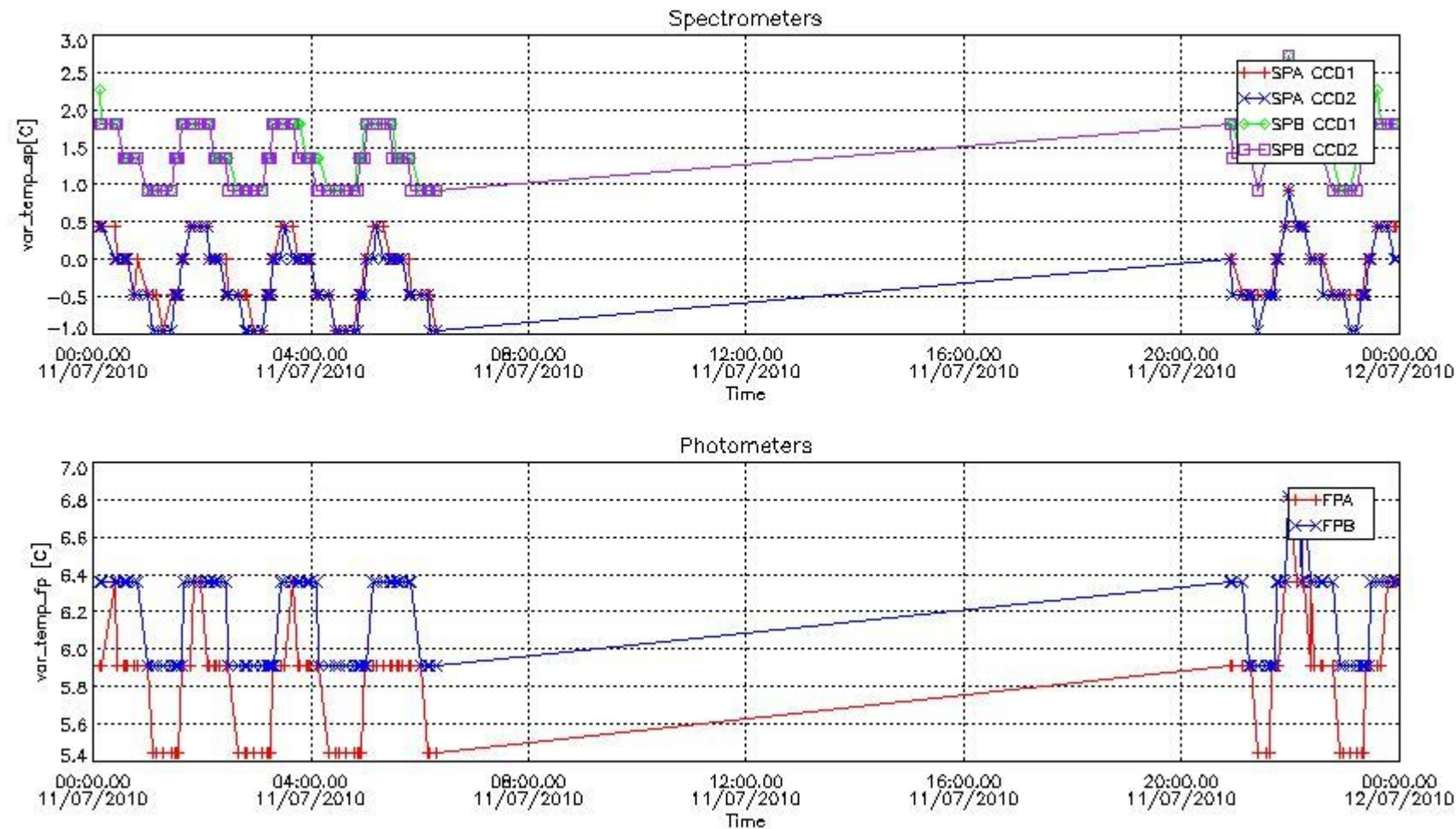
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100711_000635_000000562091_00073_43714_5758.N1	11-JUL-2010 00:06:35	Dark	56.000	94	92Alp Cet	2.5260	3100.0	112	43714	No
2	GOM_TRA_1PNPDE20100711_000955_000000442091_00073_43714_5759.N1	11-JUL-2010 00:09:55	Dark	44.000	165	34Gam Eri	2.9500	3200.0	88	43714	No
3	GOM_TRA_1PNPDE20100711_002454_000000532091_00074_43715_5763.N1	11-JUL-2010 00:24:54	Dark	53.000	9	Alp Eri	0.45300	24000.	106	43715	No
4	GOM_TRA_1PNPDE20100711_002711_000000542091_00074_43715_5764.N1	11-JUL-2010 00:27:11	Dark	54.000	84	Alp Phe	2.3970	4500.0	108	43715	No
5	GOM_TRA_1PNPDE20100711_003320_000000642091_00074_43715_5765.N1	11-JUL-2010 00:33:20	Straylight	63.500	63	Bet Gru	2.1500	2800.0	127	43715	No
6	GOM_TRA_1PNPDE20100711_003504_000000502091_00074_43715_5766.N1	11-JUL-2010 00:35:04	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	43715	No
7	GOM_TRA_1PNPDE20100711_003813_000000512091_00074_43715_5767.N1	11-JUL-2010 00:38:13	Straylight	51.000	172	Gam Gru	3.0030	13100.	102	43715	No
8	GOM_TRA_1PNPDE20100711_004535_000000462091_00074_43715_5768.N1	11-JUL-2010 00:45:35	Bright	45.500	103	38Zet Sgr	2.6000	9700.0	91	43715	No
9	GOM_TRA_1PNPDE20100711_004808_000000422091_00074_43715_5769.N1	11-JUL-2010 00:48:08	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43715	No
10	GOM_TRA_1PNPDE20100711_005918_000000422091_00074_43715_5770.N1	11-JUL-2010 00:59:18	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43715	No
11	GOM_TRA_1PNPDE20100711_010621_000000422091_00074_43715_5771.N1	11-JUL-2010 01:06:21	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	43715	No
12	GOM_TRA_1PNPDE20100711_010931_000000362091_00074_43715_5772.N1	11-JUL-2010 01:09:31	Bright	35.500	69	33Gam Dra	2.2310	3800.0	71	43715	No
13	GOM_TRA_1PNPDE20100711_011715_000000452091_00074_43715_5773.N1	11-JUL-2010 01:17:15	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43715	No
14	GOM_TRA_1PNPDE20100711_012557_000000472091_00074_43715_5774.N1	11-JUL-2010 01:25:57	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	43715	No
15	GOM_TRA_1PNPDE20100711_013033_000000422091_00074_43715_5775.N1	11-JUL-2010 01:30:33	Bright	41.500	160	23Gam Per	2.9300	4700.0	83	43715	No
16	GOM_TRA_1PNPDE20100711_013230_000000362091_00074_43715_5776.N1	11-JUL-2010 01:32:30	Bright	36.000	175	39Del Per	3.0100	19400.	72	43715	No
17	GOM_TRA_1PNPDE20100711_013440_000000452091_00074_43715_5777.N1	11-JUL-2010 01:34:40	Bright	44.500	79	26Bet Per	2.3100	13100.	89	43715	No
18	GOM_TRA_1PNPDE20100711_013722_000000442091_00074_43715_5778.N1	11-JUL-2010 01:37:22	Bright	44.000	150	44Zet Per	2.8900	28000.	88	43715	No
19	GOM_TRA_1PNPDE20100711_013949_000000432091_00074_43715_5779.N1	11-JUL-2010 01:39:49	Twilight	42.500	146	25Eta Tau	2.8730	15200.	85	43715	No
20	GOM_TRA_1PNPDE20100711_014712_000000532091_00074_43715_5780.N1	11-JUL-2010 01:47:12	Dark	52.500	94	92Alp Cet	2.5260	3100.0	105	43715	No
21	GOM_TRA_1PNPDE20100711_015032_000000422091_00074_43715_5789.N1	11-JUL-2010 01:50:32	Dark	42.000	165	34Gam Eri	2.9500	3200.0	84	43715	No
22	GOM_TRA_1PNPDE20100711_015919_000000422091_00074_43715_5790.N1	11-JUL-2010 01:59:19	Dark	42.000	157	The1Eri	2.9060	9300.0	84	43715	No
23	GOM_TRA_1PNPDE20100711_020530_000000502091_00075_43716_5791.N1	11-JUL-2010 02:05:30	Dark	50.000	9	Alp Eri	0.45300	24000.	100	43716	No
24	GOM_TRA_1PNPDE20100711_020748_000000582091_00075_43716_5792.N1	11-JUL-2010 02:07:48	Dark	58.000	84	Alp Phe	2.3970	4500.0	116	43716	No
25	GOM_TRA_1PNPDE20100711_021356_000000642091_00075_43716_5793.N1	11-JUL-2010 02:13:56	Straylight	64.000	63	Bet Gru	2.1500	2800.0	128	43716	No
26	GOM_TRA_1PNPDE20100711_021540_000000542091_00075_43716_5794.N1	11-JUL-2010 02:15:40	Straylight	54.000	31	Alp Gru	1.7340	15200.	108	43716	No
27	GOM_TRA_1PNPDE20100711_021850_000000532091_00075_43716_5795.N1	11-JUL-2010 02:18:50	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	43716	No
28	GOM_TRA_1PNPDE20100711_022611_000000452091_00075_43716_5796.N1	11-JUL-2010 02:26:11	Bright	45.000	103	38Zet Sgr	2.6000	9700.0	90	43716	No
29	GOM_TRA_1PNPDE20100711_022845_000000412091_00075_43716_5797.N1	11-JUL-2010 02:28:45	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43716	No
30	GOM_TRA_1PNPDE20100711_023953_000000422091_00075_43716_5798.N1	11-JUL-2010 02:39:53	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43716	No
31	GOM_TRA_1PNPDE20100711_024657_000000442091_00075_43716_5799.N1	11-JUL-2010 02:46:57	Bright	43.500	5	3Alp Lyr	0.033000	11000.	87	43716	No
32	GOM_TRA_1PNPDE20100711_025007_000000392091_00075_43716_5800.N1	11-JUL-2010 02:50:07	Bright	38.500	69	33Gam Dra	2.2310	3800.0	77	43716	No
33	GOM_TRA_1PNPDE20100711_025750_000000432091_00075_43716_5801.N1	11-JUL-2010 02:57:50	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	43716	No
34	GOM_TRA_1PNPDE20100711_030633_000000482091_00075_43716_5816.N1	11-JUL-2010 03:06:33	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43716	No
35	GOM_TRA_1PNPDE20100711_031109_000000592091_00075_43716_5817.N1	11-JUL-2010 03:11:09	Bright	59.000	160	23Gam Per	2.9300	4700.0	118	43716	No
36	GOM_TRA_1PNPDE20100711_031306_000000432091_00075_43716_5818.N1	11-JUL-2010 03:13:06	Bright	43.000	175	39Del Per	3.0100	19400.	86	43716	No
37	GOM_TRA_1PNPDE20100711_031516_000000452091_00075_43716_5819.N1	11-JUL-2010 03:15:16	Bright	45.000	79	26Bet Per	2.3100	13100.	90	43716	No
38	GOM_TRA_1PNPDE20100711_031758_000000432091_00075_43716_5820.N1	11-JUL-2010 03:17:58	Bright	42.500	150	44Zet Per	2.8900	28000.	85	43716	No
39	GOM_TRA_1PNPDE20100711_032025_000000442091_00075_43716_5821.N1	11-JUL-2010 03:20:25	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43716	No
40	GOM_TRA_1PNPDE20100711_032749_000000552091_00075_43716_5822.N1	11-JUL-2010 03:27:49	Dark	54.500	94	92Alp Cet	2.5260	3100.0	109	43716	No
41	GOM_TRA_1PNPDE20100711_033108_000000432091_00075_43716_5823.N1	11-JUL-2010 03:31:08	Dark	43.000	165	34Gam Eri	2.9500	3200.0	86	43716	No
42	GOM_TRA_1PNPDE20100711_033956_000000422091_00075_43716_5824.N1	11-JUL-2010 03:39:56	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43716	No
43	GOM_TRA_1PNPDE20100711_034607_000000532091_00076_43717_5825.N1	11-JUL-2010 03:46:07	Dark	52.500	9	Alp Eri	0.45300	24000.	105	43717	No
44	GOM_TRA_1PNPDE20100711_034825_000000512091_00076_43717_5826.N1	11-JUL-2010 03:48:25	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	43717	No

45	GOM_TRA_1PNPDE20100711_035433_000000562091_00076_43717_5827.N1	11-JUL-2010 03:54:33	Straylight	56.000	63	Bet Gru	2.1500	2800.0	112	43717	No
46	GOM_TRA_1PNPDE20100711_035617_000000502091_00076_43717_5828.N1	11-JUL-2010 03:56:17	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	43717	No
47	GOM_TRA_1PNPDE20100711_035927_000000532091_00076_43717_5829.N1	11-JUL-2010 03:59:27	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	43717	No
48	GOM_TRA_1PNPDE20100711_040647_000000462091_00076_43717_5830.N1	11-JUL-2010 04:06:47	Bright	46.000	103	38Zet Sgr	2.6000	9700.0	92	43717	No
49	GOM_TRA_1PNPDE20100711_040921_000000412091_00076_43717_5831.N1	11-JUL-2010 04:09:21	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43717	No
50	GOM_TRA_1PNPDE20100711_042029_000000612091_00076_43717_5832.N1	11-JUL-2010 04:20:29	Bright	61.000	168	17Zet Aql	2.9860	11000.	122	43717	No
51	GOM_TRA_1PNPDE20100711_042733_000000412091_00076_43717_5833.N1	11-JUL-2010 04:27:33	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43717	No
52	GOM_TRA_1PNPDE20100711_043043_000000372091_00076_43717_5834.N1	11-JUL-2010 04:30:43	Bright	37.000	69	33Gam Dra	2.2310	3800.0	74	43717	No
53	GOM_TRA_1PNPDE20100711_043825_000000442091_00076_43717_5835.N1	11-JUL-2010 04:38:25	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43717	No
54	GOM_TRA_1PNPDE20100711_044708_000000472091_00076_43717_5837.N1	11-JUL-2010 04:47:08	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	43717	No
55	GOM_TRA_1PNPDE20100711_045145_000000492091_00076_43717_5838.N1	11-JUL-2010 04:51:45	Bright	48.500	160	23Gam Per	2.9300	4700.0	97	43717	No
56	GOM_TRA_1PNPDE20100711_045342_000000452091_00076_43717_5839.N1	11-JUL-2010 04:53:42	Bright	44.500	175	39Del Per	3.0100	19400.	89	43717	No
57	GOM_TRA_1PNPDE20100711_045552_000000432091_00076_43717_5840.N1	11-JUL-2010 04:55:52	Bright	43.000	79	26Bet Per	2.3100	13100.	86	43717	No
58	GOM_TRA_1PNPDE20100711_045834_000000442091_00076_43717_5841.N1	11-JUL-2010 04:58:34	Bright	44.000	150	44Zet Per	2.8900	28000.	88	43717	No
59	GOM_TRA_1PNPDE20100711_050102_000000442091_00076_43717_5842.N1	11-JUL-2010 05:01:02	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	43717	No
60	GOM_TRA_1PNPDE20100711_050825_000000532091_00076_43717_5843.N1	11-JUL-2010 05:08:25	Dark	53.000	94	92Alp Cet	2.5260	3100.0	106	43717	No
61	GOM_TRA_1PNPDE20100711_051145_000000382091_00076_43717_5844.N1	11-JUL-2010 05:11:45	Dark	38.000	165	34Gam Eri	2.9500	3200.0	76	43717	No
62	GOM_TRA_1PNPDE20100711_052032_000000422091_00076_43717_5845.N1	11-JUL-2010 05:20:32	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43717	No
63	GOM_TRA_1PNPDE20100711_052644_000000482091_00077_43718_5846.N1	11-JUL-2010 05:26:44	Dark	48.000	9	Alp Eri	0.45300	24000.	96	43718	No
64	GOM_TRA_1PNPDE20100711_052902_000000492091_00077_43718_5847.N1	11-JUL-2010 05:29:02	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	43718	No
65	GOM_TRA_1PNPDE20100711_053510_000000522091_00077_43718_5848.N1	11-JUL-2010 05:35:10	Straylight	51.500	63	Bet Gru	2.1500	2800.0	103	43718	No
66	GOM_TRA_1PNPDE20100711_053654_000000492091_00077_43718_5849.N1	11-JUL-2010 05:36:54	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43718	No
67	GOM_TRA_1PNPDE20100711_054004_000000512091_00077_43718_5850.N1	11-JUL-2010 05:40:04	Straylight	51.000	172	Gam Gru	3.0030	13100.	102	43718	No
68	GOM_TRA_1PNPDE20100711_054723_000000492091_00077_43718_5851.N1	11-JUL-2010 05:47:23	Bright	48.500	103	38Zet Sgr	2.6000	9700.0	97	43718	No
69	GOM_TRA_1PNPDE20100711_054957_000000422091_00077_43718_5852.N1	11-JUL-2010 05:49:57	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43718	No
70	GOM_TRA_1PNPDE20100711_060105_000000422091_00077_43718_5853.N1	11-JUL-2010 06:01:05	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43718	No
71	GOM_TRA_1PNPDE20100711_060809_000000432091_00077_43718_5854.N1	11-JUL-2010 06:08:09	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	43718	No
72	GOM_TRA_1PNPDE20100711_061119_000000392091_00077_43718_5855.N1	11-JUL-2010 06:11:19	Bright	38.500	69	33Gam Dra	2.2310	3800.0	77	43718	No
73	GOM_TRA_1PNPDE20100711_061901_000000422091_00077_43718_5856.N1	11-JUL-2010 06:19:01	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	43718	No
74	GOM_TRA_1PNPDE20100711_205249_000000412091_00086_43727_5958.N1	11-JUL-2010 20:52:49	Bright	41.000	103	38Zet Sgr	2.6000	9700.0	82	43727	No
75	GOM_TRA_1PNPDE20100711_205522_000000422091_00086_43727_5959.N1	11-JUL-2010 20:55:22	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43727	No
76	GOM_TRA_1PNPDE20100711_210626_000000432091_00086_43727_5960.N1	11-JUL-2010 21:06:26	Bright	42.500	168	17Zet Aql	2.9860	11000.	85	43727	No
77	GOM_TRA_1PNPDE20100711_211330_000000402091_00086_43727_5961.N1	11-JUL-2010 21:13:30	Bright	40.000	5	3Alp Lyr	0.033000	11000.	80	43727	No
78	GOM_TRA_1PNPDE20100711_211641_000000402091_00086_43727_5962.N1	11-JUL-2010 21:16:41	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	43727	No
79	GOM_TRA_1PNPDE20100711_212419_000000462091_00086_43727_5963.N1	11-JUL-2010 21:24:19	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43727	No
80	GOM_TRA_1PNPDE20100711_213303_000000482091_00086_43727_5964.N1	11-JUL-2010 21:33:03	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43727	No
81	GOM_TRA_1PNPDE20100711_213742_000000592091_00086_43727_5965.N1	11-JUL-2010 21:37:42	Bright	59.000	160	23Gam Per	2.9300	4700.0	118	43727	No
82	GOM_TRA_1PNPDE20100711_213859_000000402091_00086_43727_5966.N1	11-JUL-2010 21:38:59	Bright	39.500	35	33Alp Per	1.7950	6250.0	79	43727	No
83	GOM_TRA_1PNPDE20100711_214152_000000442091_00086_43727_5967.N1	11-JUL-2010 21:41:52	Bright	44.000	79	26Bet Per	2.3100	13100.	88	43727	No
84	GOM_TRA_1PNPDE20100711_214435_000000442091_00086_43727_5968.N1	11-JUL-2010 21:44:35	Bright	43.500	150	44Zet Per	2.8900	28000.	87	43727	No
85	GOM_TRA_1PNPDE20100711_214704_000000412091_00086_43727_5969.N1	11-JUL-2010 21:47:04	Twilight	41.000	146	25Eta Tau	2.8730	15200.	82	43727	No
86	GOM_TRA_1PNPDE20100711_215431_000000582091_00086_43727_5970.N1	11-JUL-2010 21:54:31	Dark	57.500	94	92Alp Cet	2.5260	3100.0	115	43727	No
87	GOM_TRA_1PNPDE20100711_215748_000000452091_00086_43727_5982.N1	11-JUL-2010 21:57:48	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	43727	No
88	GOM_TRA_1PNPDE20100711_220638_000000422091_00086_43727_5983.N1	11-JUL-2010 22:06:38	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43727	No
89	GOM_TRA_1PNPDE20100711_221249_000000542091_00087_43728_5984.N1	11-JUL-2010 22:12:49	Dark	53.500	9	Alp Eri	0.45300	24000.	107	43728	No
90	GOM_TRA_1PNPDE20100711_221513_000000502091_00087_43728_5985.N1	11-JUL-2010 22:15:13	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	43728	No
91	GOM_TRA_1PNPDE20100711_222118_000000602091_00087_43728_5986.N1	11-JUL-2010 22:21:18	Straylight	59.500	63	Bet Gru	2.1500	2800.0	119	43728	No
92	GOM_TRA_1PNPDE20100711_222301_000000502091_00087_43728_5987.N1	11-JUL-2010 22:23:01	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43728	No
93	GOM_TRA_1PNPDE20100711_222612_000000532091_00087_43728_5988.N1	11-JUL-2010 22:26:12	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	43728	No
94	GOM_TRA_1PNPDE20100711_223325_000000522091_00087_43728_5989.N1	11-JUL-2010 22:33:25	Bright	52.000	103	38Zet Sgr	2.6000	9700.0	104	43728	No
95	GOM_TRA_1PNPDE20100711_223558_000000412091_00087_43728_5990.N1	11-JUL-2010 22:35:58	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43728	No
96	GOM_TRA_1PNPDE20100711_224702_000000412091_00087_43728_5991.N1	11-JUL-2010 22:47:02	Bright	40.500	168	17Zet Aql	2.9860	11000.	81	43728	No
97	GOM_TRA_1PNPDE20100711_225405_000000372091_00087_43728_5992.N1	11-JUL-2010 22:54:05	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	43728	No
98	GOM_TRA_1PNPDE20100711_225717_000000532091_00087_43728_5993.N1	11-JUL-2010 22:57:17	Bright	53.000	69	33Gam Dra	2.2310	3800.0	106	43728	No
99	GOM_TRA_1PNPDE20100711_230454_000000442091_00087_43728_5994.N1	11-JUL-2010 23:04:54	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43728	No
100	GOM_TRA_1PNPDE20100711_231339_000000472091_00087_43728_5995.N1	11-JUL-2010 23:13:39	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	43728	No
101	GOM_TRA_1PNPDE20100711_231818_000000402091_00087_43728_5996.N1	11-JUL-2010 23:18:18	Bright	39.500	160	23Gam Per	2.9300	4700.0	79	43728	No
102	GOM_TRA_1PNPDE20100711_231935_000000402091_00087_43728_5997.N1	11-JUL-2010 23:19:35	Bright	39.500	35	33Alp Per	1.7950	6250.0	79	43728	No
103	GOM_TRA_1PNPDE20100711_232228_000000442091_00087_43728_5998.N1	11-JUL-2010 23:22:28	Bright	44.000	79	26Bet Per	2.3100	13100.	88	43728	No

104	GOM_TRA_1PNPDE20100711_232511_000000432091_00087_43728_5999.N1	11-JUL-2010 23:25:11	Bright	42.500	150	44Zet Per	2.8900	28000.	85	43728	No
105	GOM_TRA_1PNPDE20100711_232740_000000462091_00087_43728_6000.N1	11-JUL-2010 23:27:40	Twilight	46.000	146	25Eta Tau	2.8730	15200.	92	43728	No
106	GOM_TRA_1PNPDE20100711_233507_000000552091_00087_43728_6001.N1	11-JUL-2010 23:35:07	Dark	55.000	94	92Alp Cet	2.5260	3100.0	110	43728	No
107	GOM_TRA_1PNPDE20100711_233824_000000442091_00087_43728_6002.N1	11-JUL-2010 23:38:24	Dark	44.000	165	34Gam Eri	2.9500	3200.0	88	43728	No
108	GOM_TRA_1PNPDE20100711_234714_000000402091_00087_43728_6010.N1	11-JUL-2010 23:47:14	Dark	39.500	157	The1Eri	2.9060	9300.0	79	43728	No
109	GOM_TRA_1PNPDE20100711_235325_000000532091_00088_43729_6011.N1	11-JUL-2010 23:53:25	Dark	53.000	9	Alp Eri	0.45300	24000.	106	43729	No
110	GOM_TRA_1PNPDE20100711_235550_000000552091_00088_43729_6012.N1	11-JUL-2010 23:55:50	Dark	55.000	84	Alp Phe	2.3970	4500.0	110	43729	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).

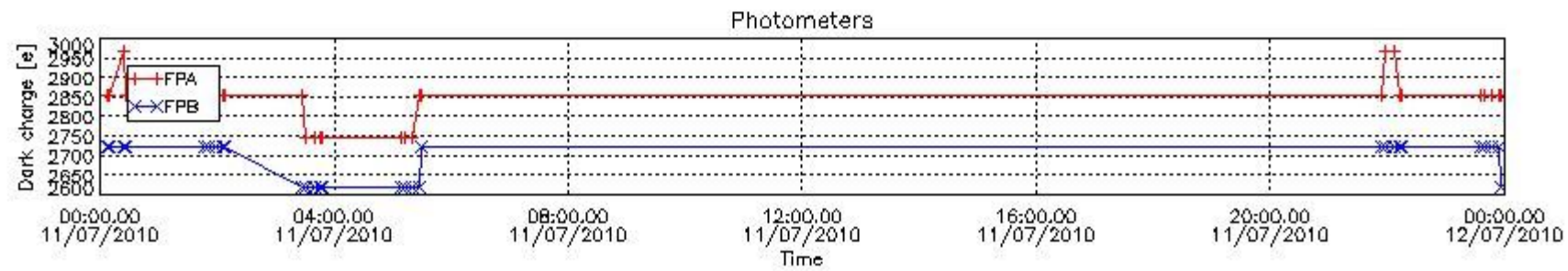
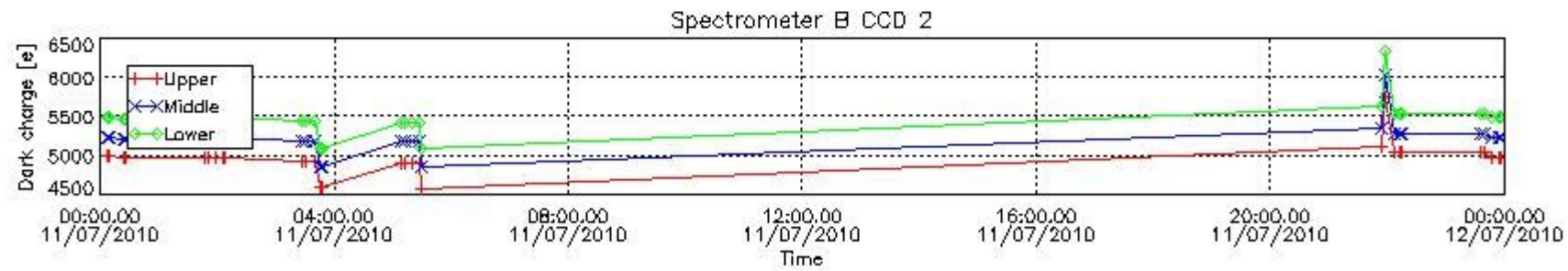
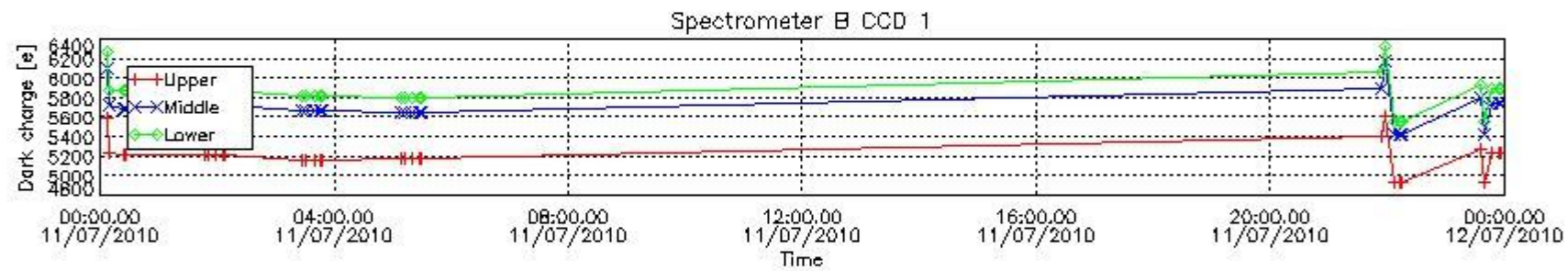
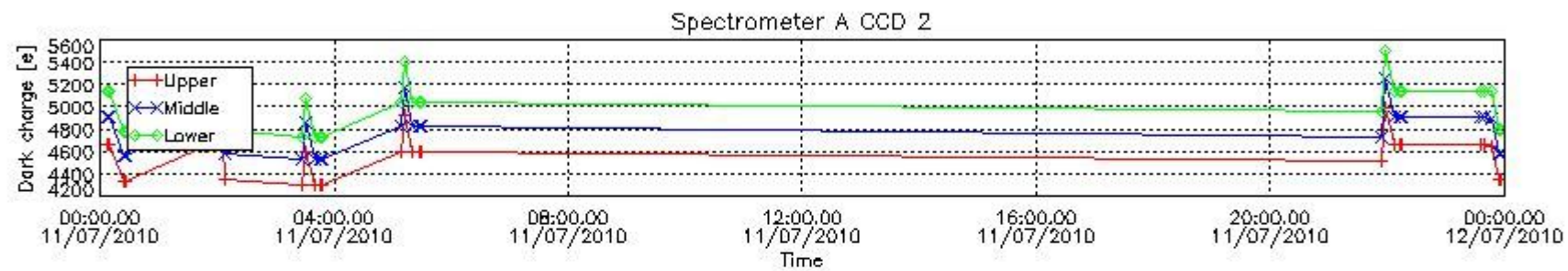
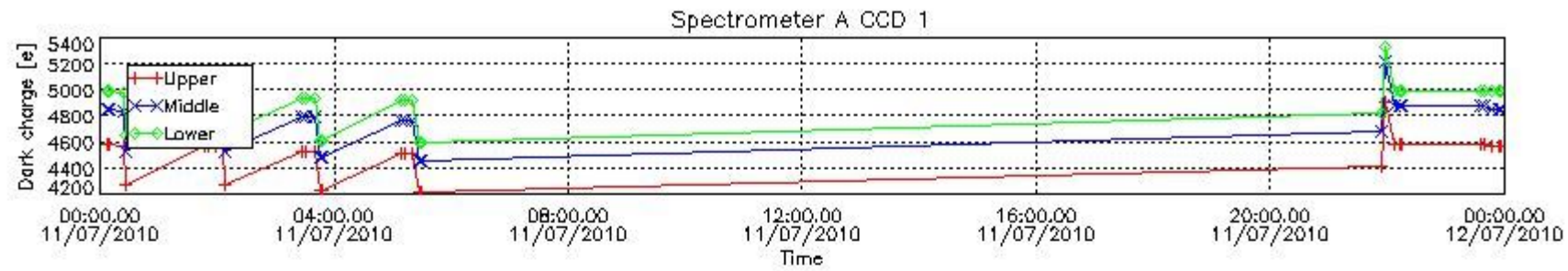
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100711_205249_000000412091_00086_43727_5958.N1	DC map used
GOM_TRA_1PNPDE20100711_205522_000000422091_00086_43727_5959.N1	DC map used
GOM_TRA_1PNPDE20100711_210626_000000432091_00086_43727_5960.N1	DC map used

GOM_TRA_1PNPDE20100711_211330_000000402091_00086_43727_5961.N1	DC map used
GOM_TRA_1PNPDE20100711_211641_000000402091_00086_43727_5962.N1	DC map used
GOM_TRA_1PNPDE20100711_212419_000000462091_00086_43727_5963.N1	DC map used
GOM_TRA_1PNPDE20100711_213303_000000482091_00086_43727_5964.N1	DC map used
GOM_TRA_1PNPDE20100711_213742_000000592091_00086_43727_5965.N1	DC map used
GOM_TRA_1PNPDE20100711_213859_000000402091_00086_43727_5966.N1	DC map used
GOM_TRA_1PNPDE20100711_214152_000000442091_00086_43727_5967.N1	DC map used
GOM_TRA_1PNPDE20100711_214435_000000442091_00086_43727_5968.N1	DC map used
GOM_TRA_1PNPDE20100711_214704_000000412091_00086_43727_5969.N1	DC map used
GOM_TRA_1PNPDE20100711_215431_000000582091_00086_43727_5970.N1	DC map used

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



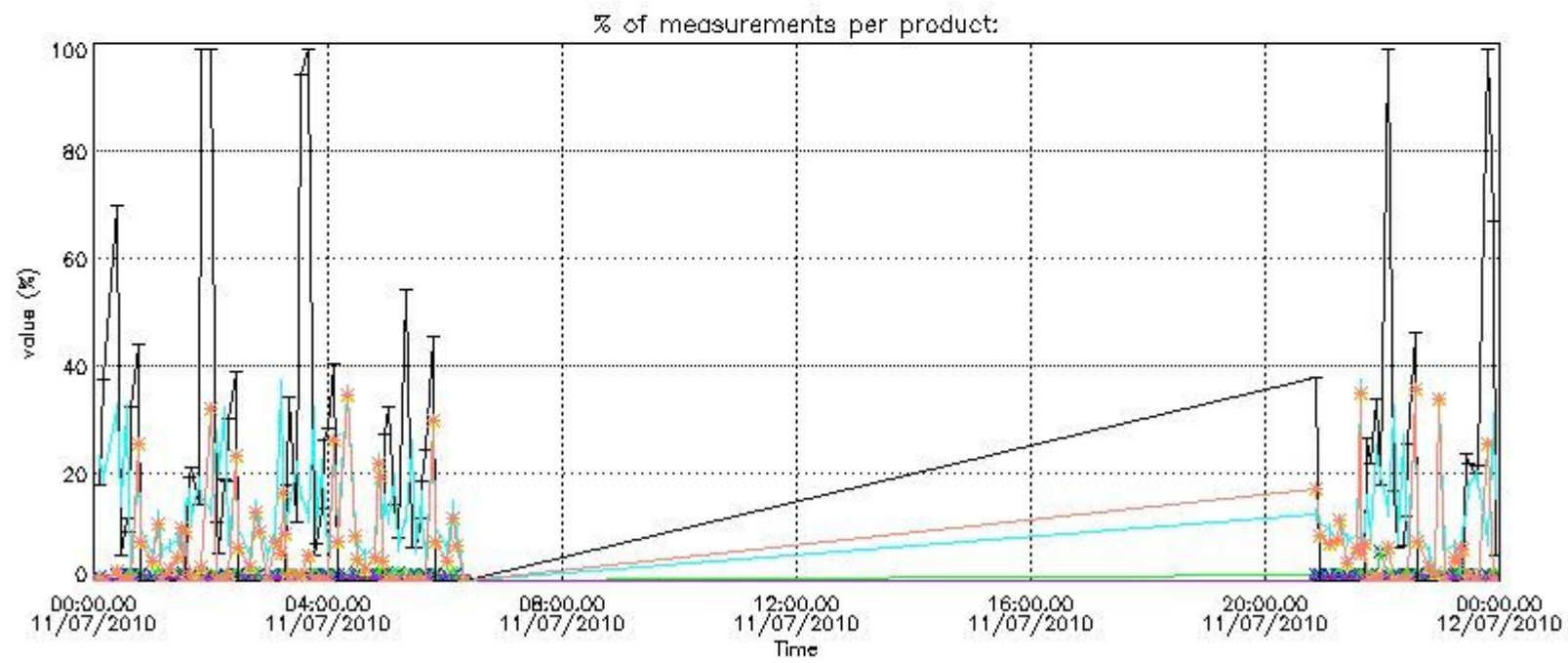
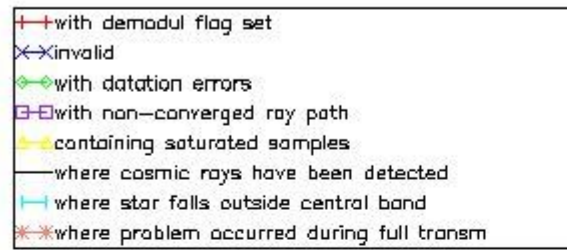
5. Demodulation flag and quality information monitoring

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

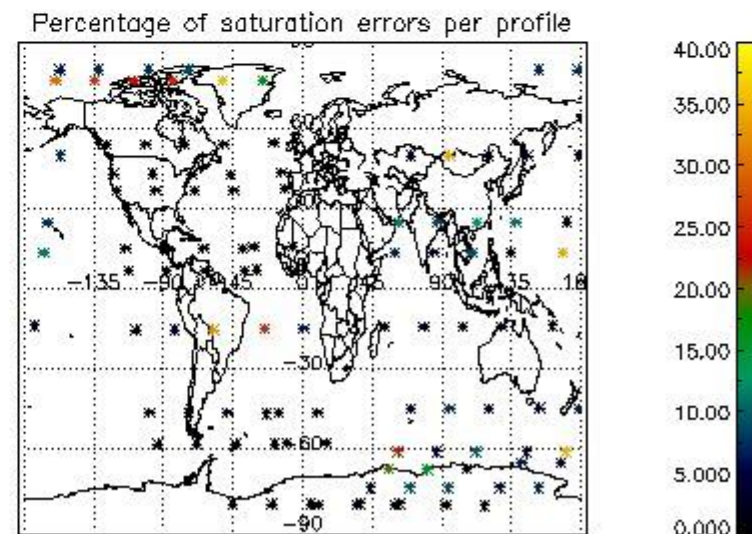
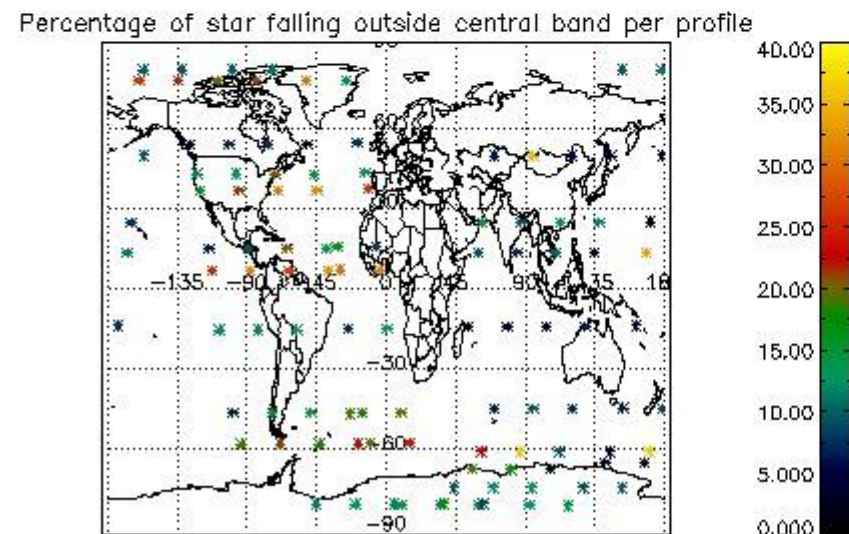
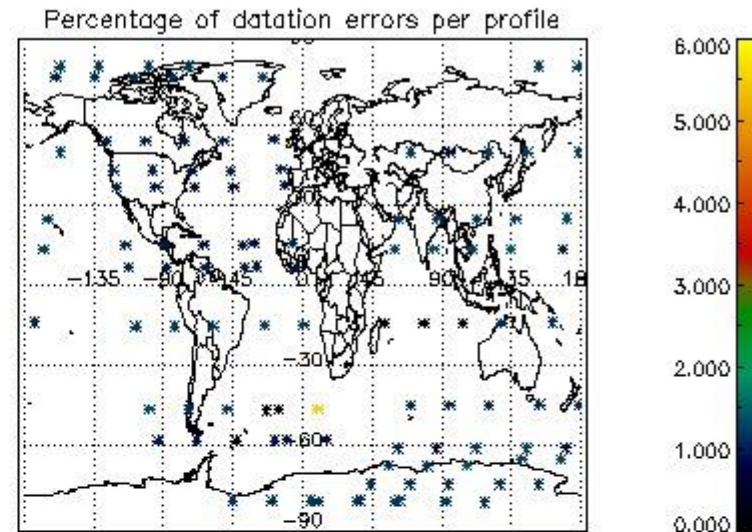
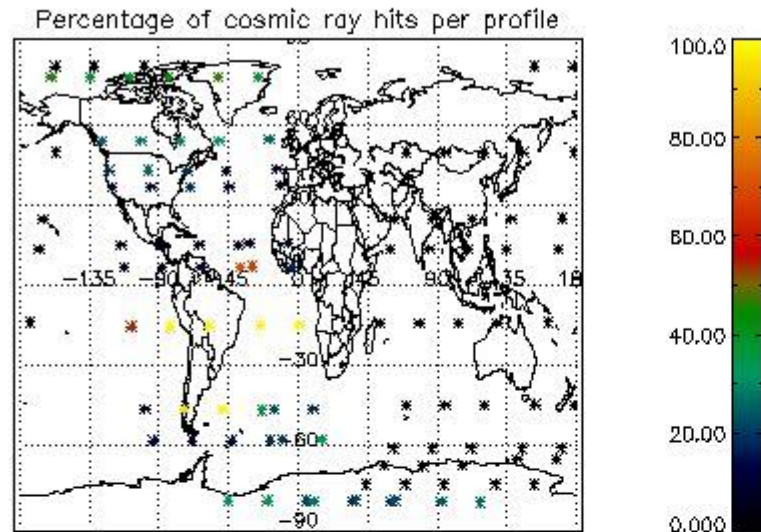
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	39.0909 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



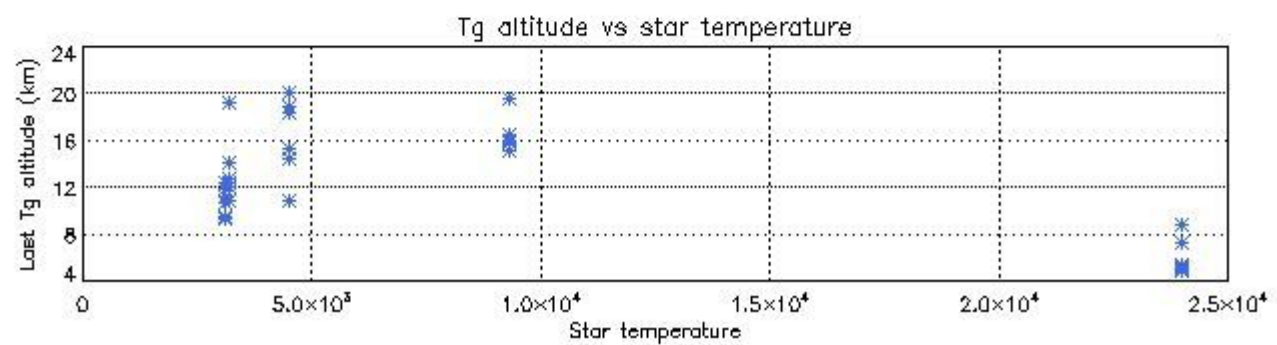
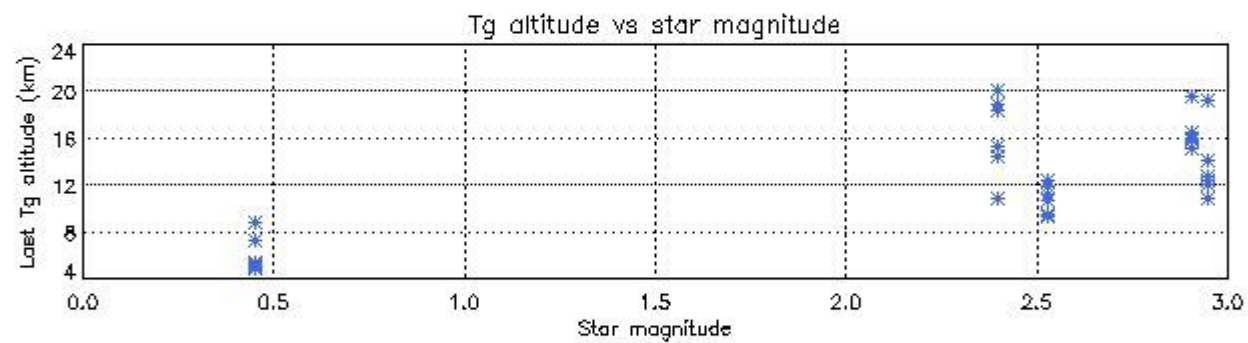
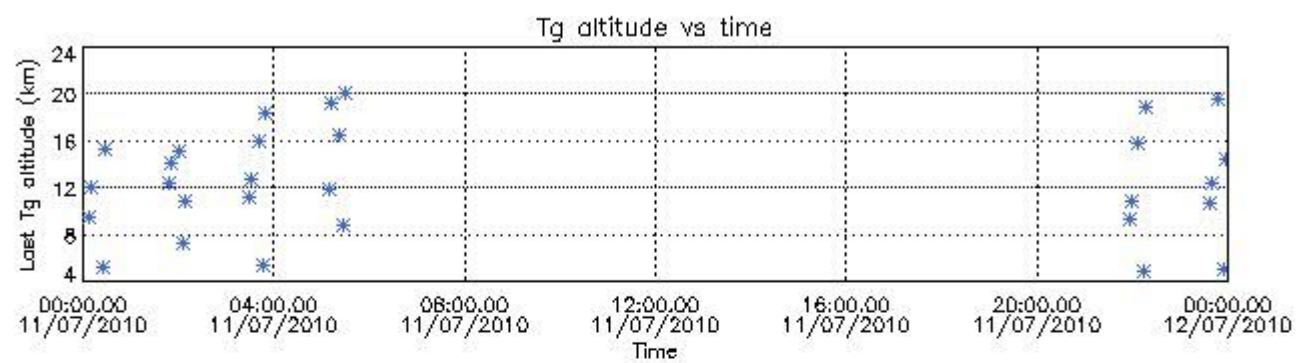
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.521	17.509	15.019
St. deviation:	4.5358	5.5680	2.0753
Maximum:	20.023	27.792	18.036
Minimum:	4.8707	3.7570	12.456
Number of data:	29.000	61.000	5.0000

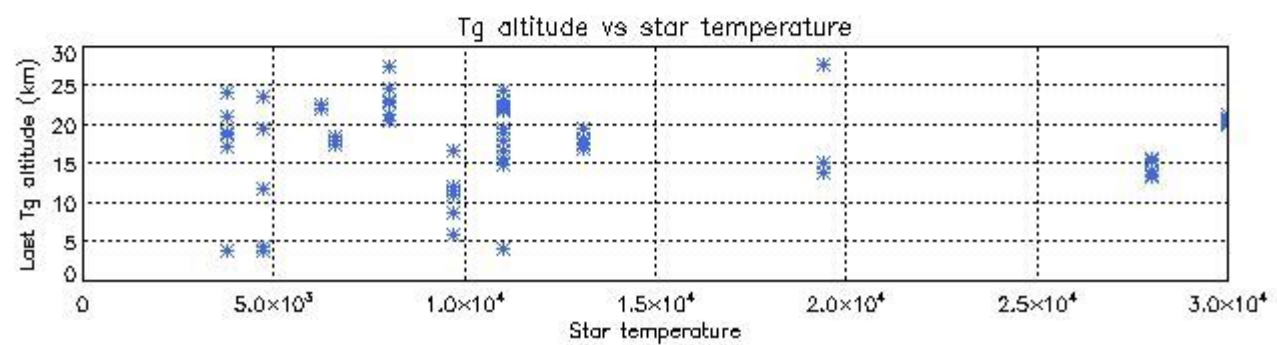
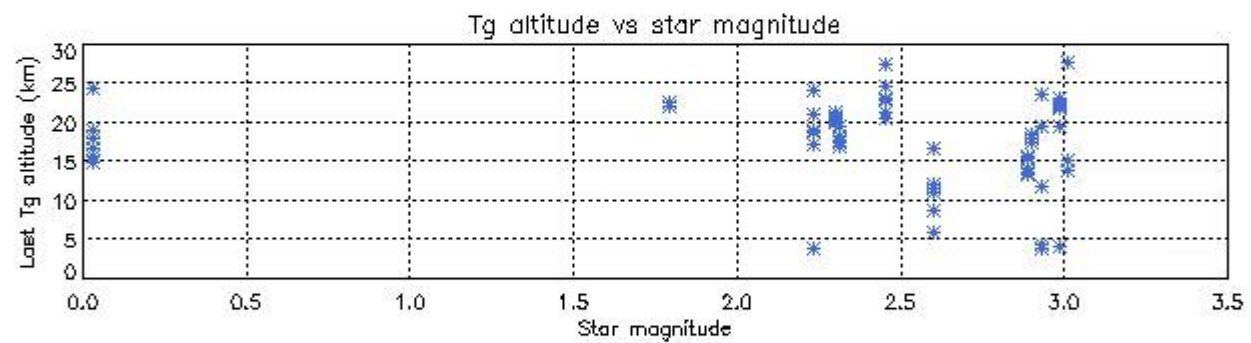
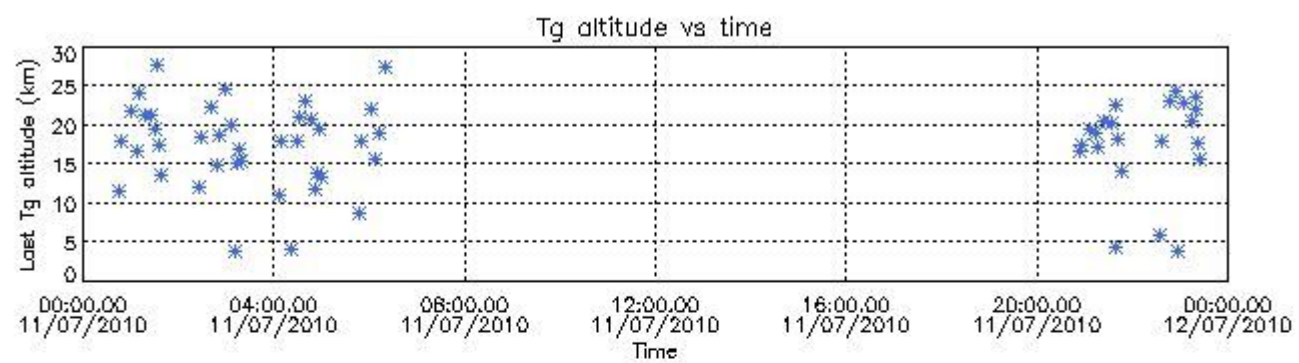
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



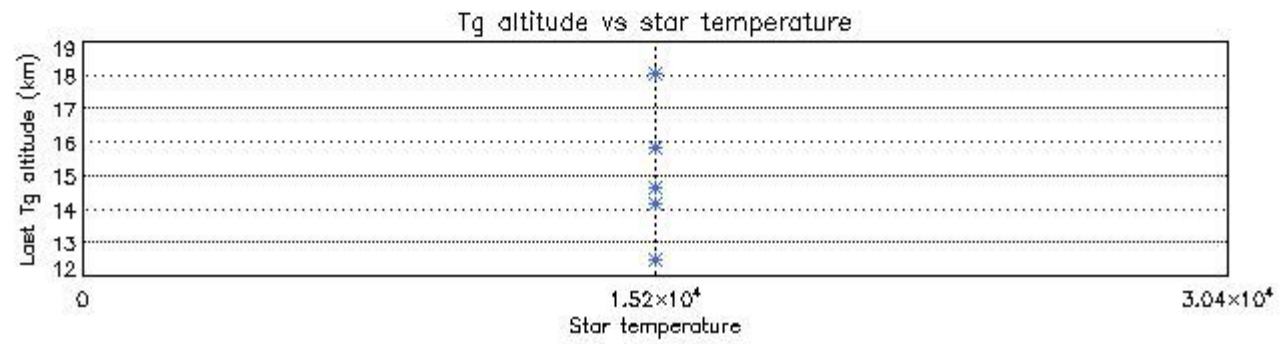
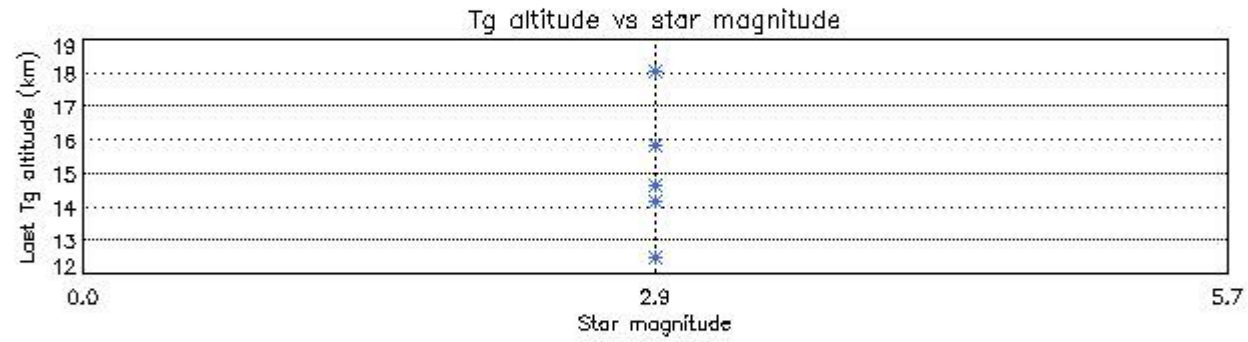
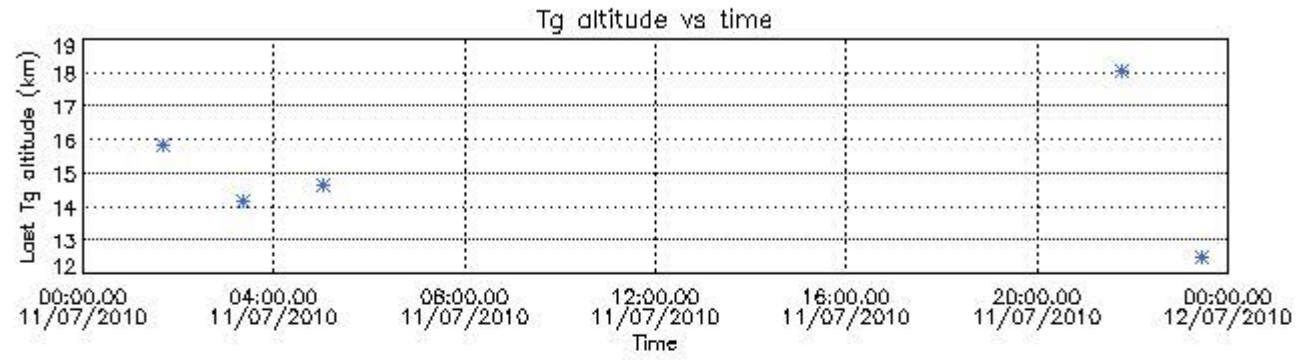
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

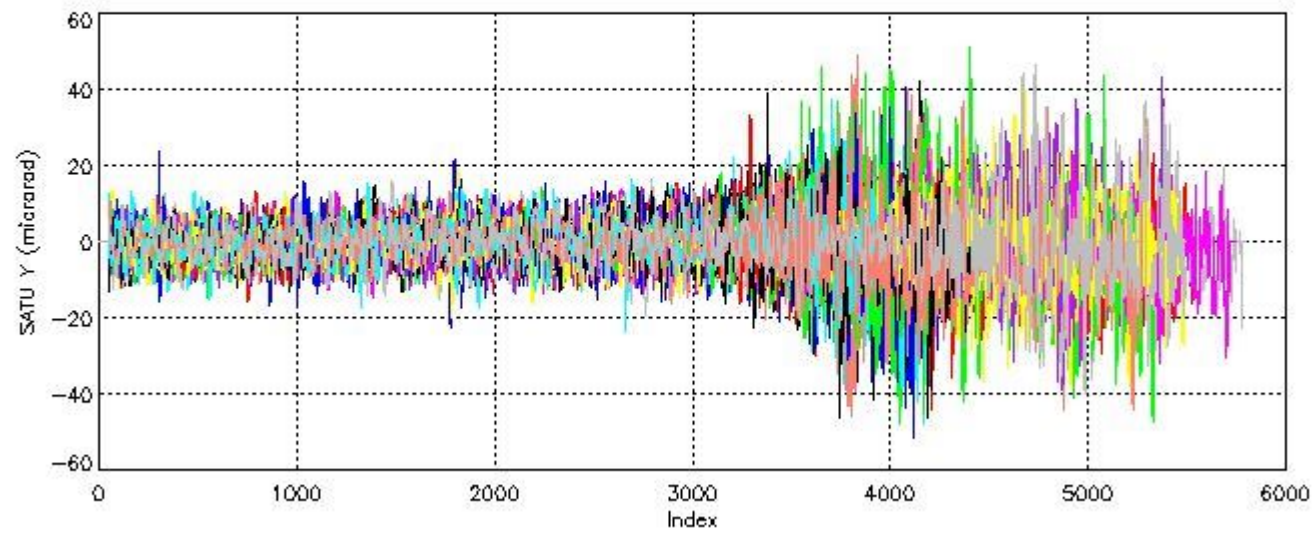
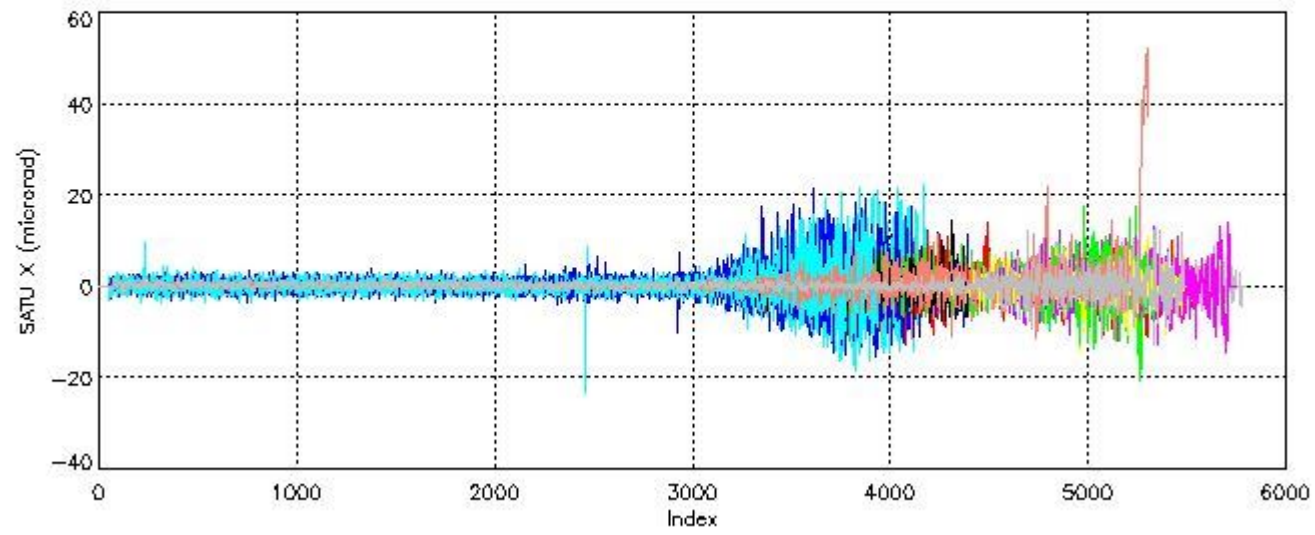


7. Star Acquisition and Tracking Unit (SATU)

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:	0.14829	-0.70958	0.17166	-0.57320
St. deviation:	0.47314	4.0174	0.85998	3.9325
Maximum:	9.7000	23.700	6.3000	15.800
Minimum:	-3.8000	-17.000	-6.1000	-17.200

Number of data:	29200.	29200.	59550.	59550.
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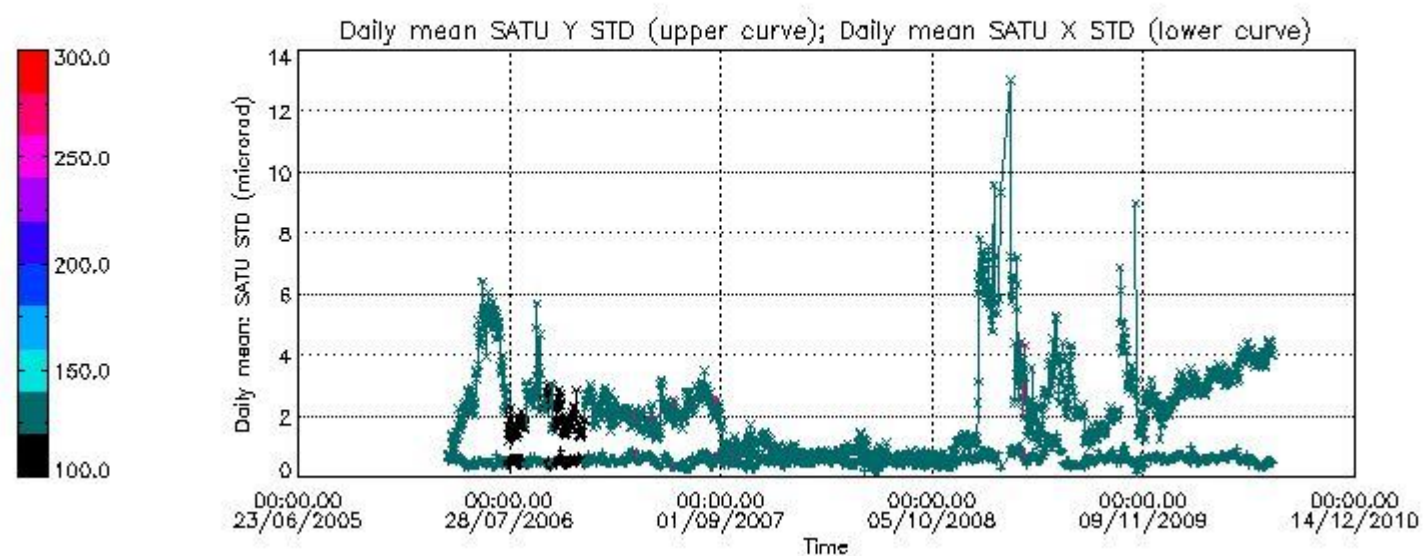
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

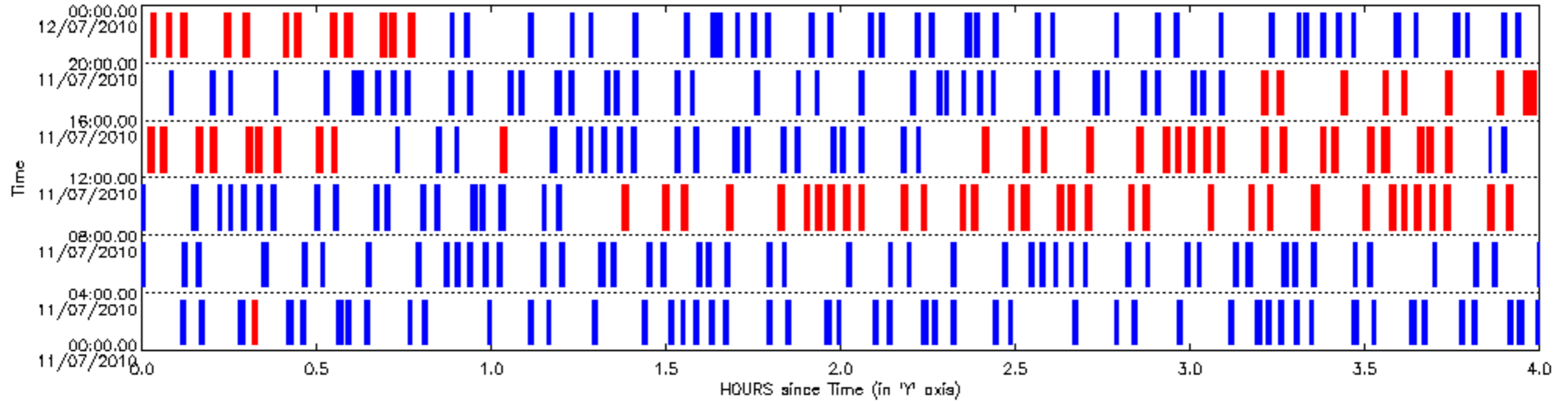
Lower curve: STD of SATU X axis

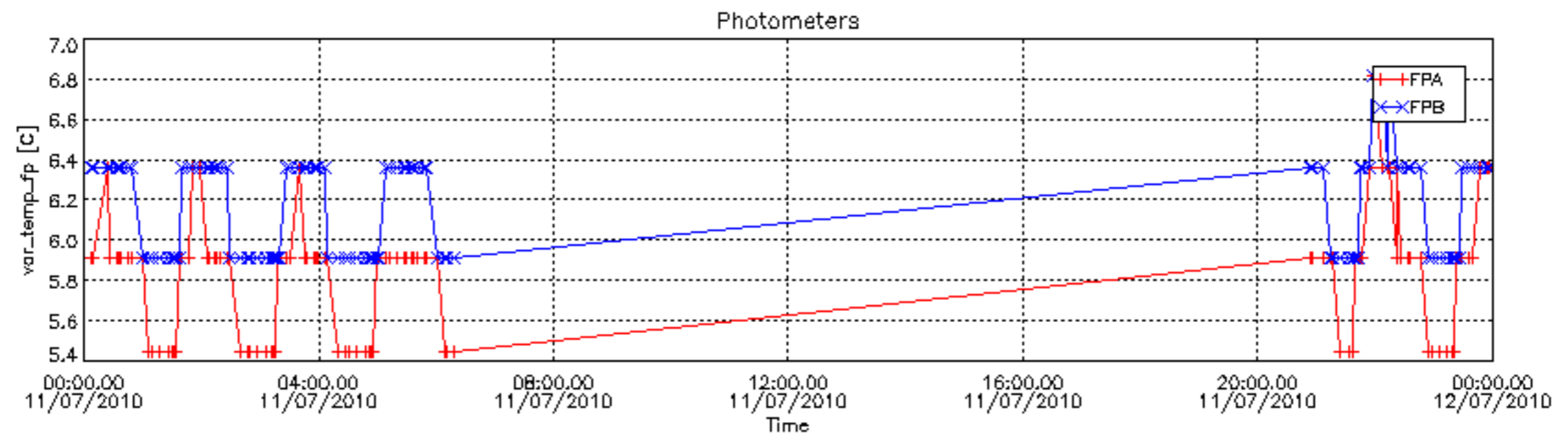
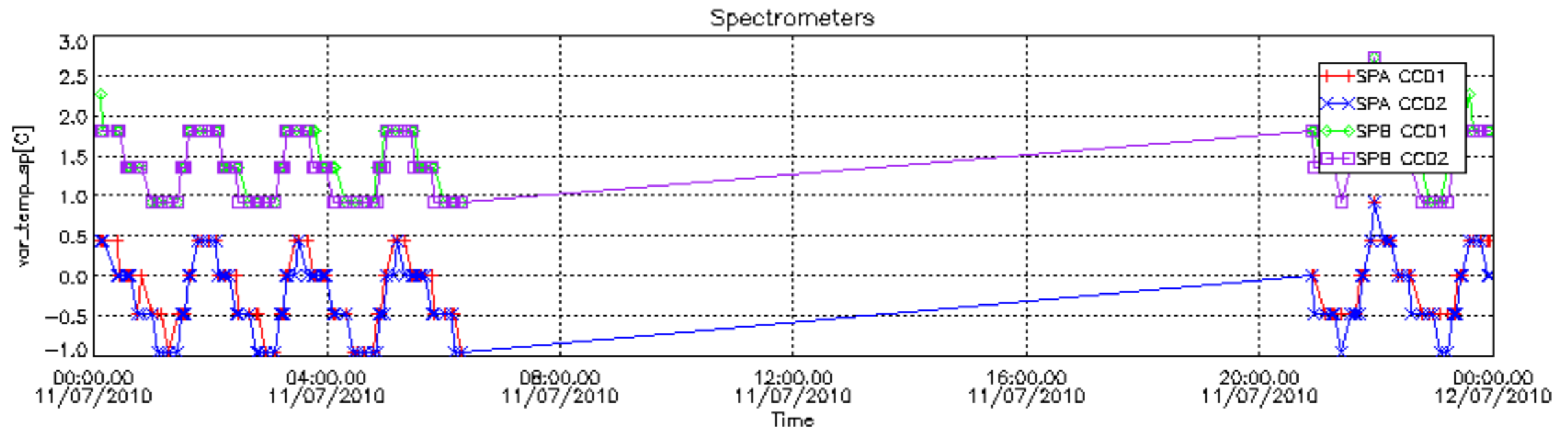


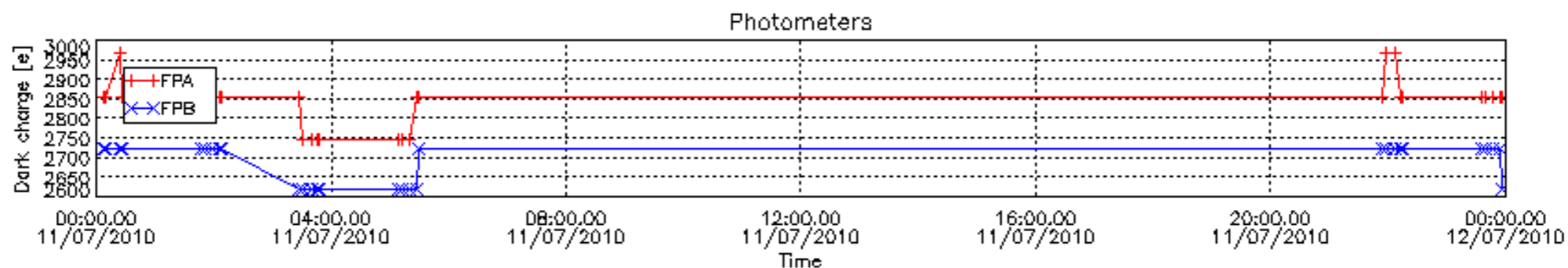
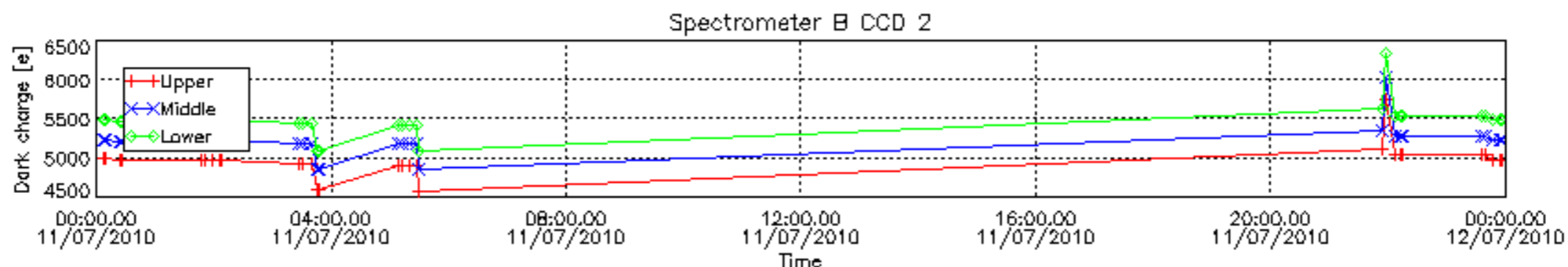
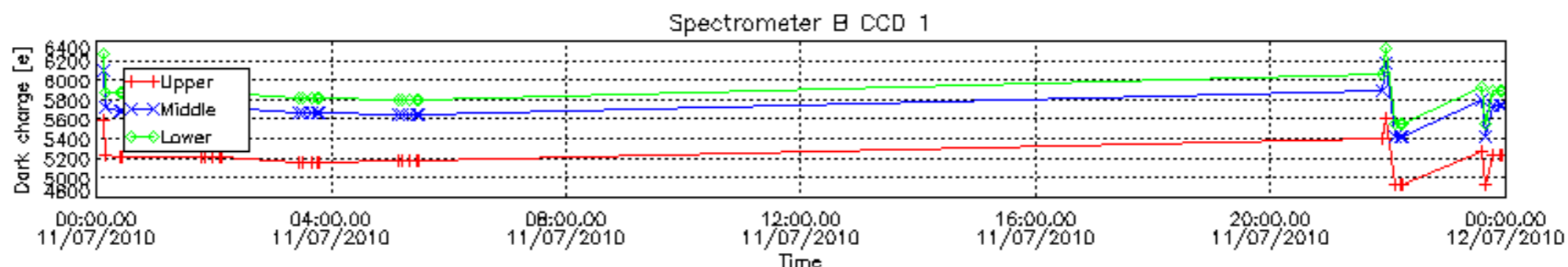
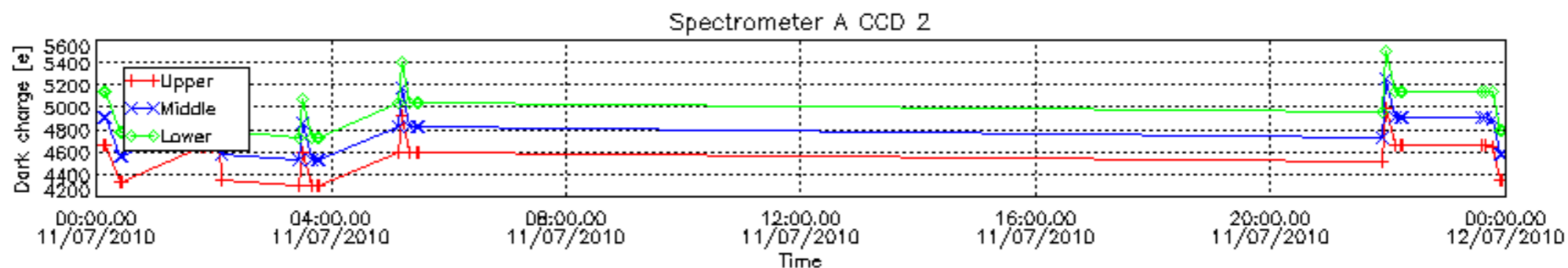
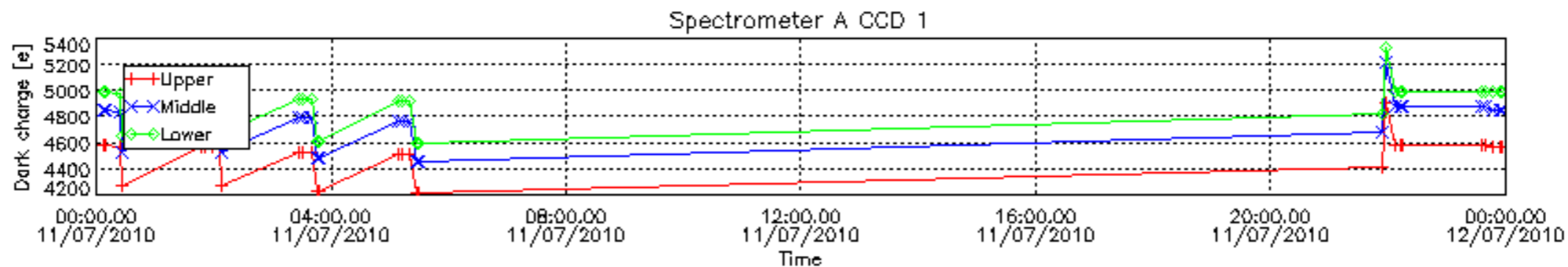
8. Auxiliary Data Files used for the production reported in section 2.4

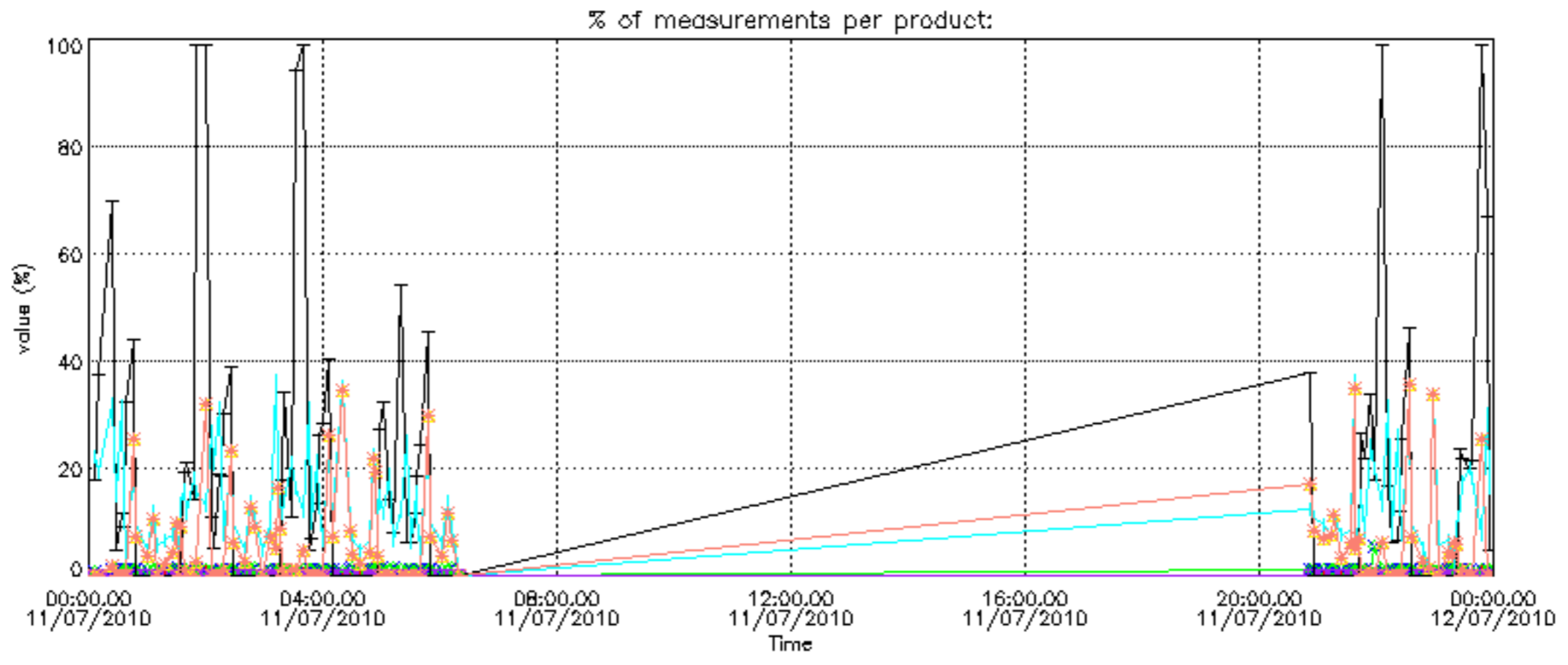
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	11-JUL-2010 00:06:35
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100706_092041_20100704_000000_20500101_000000	1	11-JUL-2010 00:06:35
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	11-JUL-2010 00:06:35
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	11-JUL-2010 00:06:35
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	11-JUL-2010 00:06:35
ECMWF_FILE	AUX_ECF_AXNECM20100710_054113_20100710_210000_20100711_090000	1	11-JUL-2010 00:06:35
ECMWF_FILE	AUX_ECF_AXNECM20100710_172114_20100711_030000_20100711_150000	34	11-JUL-2010 03:06:33
ECMWF_FILE	AUX_ECA_AXNECM20100711_052114_20100710_210000_20100711_090000	54	11-JUL-2010 04:47:08
ECMWF_FILE	AUX_ECF_AXNECM20100711_052114_20100711_150000_20100712_030000	74	11-JUL-2010 20:52:49
ECMWF_FILE	AUX_ECF_AXNECM20100711_054112_20100711_210000_20100712_090000	87	11-JUL-2010 21:57:48
OPTIONAL_ECMWF_FILE	MISSING	1	11-JUL-2010 00:06:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100710_222700_000057382091_00072_43713_0722.N1	1	11-JUL-2010 00:06:35
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100710_092114_20100709_195252_20100719_211907	3	11-JUL-2010 00:24:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100711_014335_000041442091_00074_43715_0724.N1	21	11-JUL-2010 01:50:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100711_025758_000060572091_00075_43716_0725.N1	34	11-JUL-2010 03:06:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100711_044414_000057382091_00076_43717_0726.N1	54	11-JUL-2010 04:47:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100711_204555_000038252091_00086_43727_0727.N1	74	11-JUL-2010 20:52:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100711_215459_000057382091_00086_43727_0728.N1	87	11-JUL-2010 21:57:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100711_233556_000057382091_00087_43728_0729.N1	108	11-JUL-2010 23:47:14

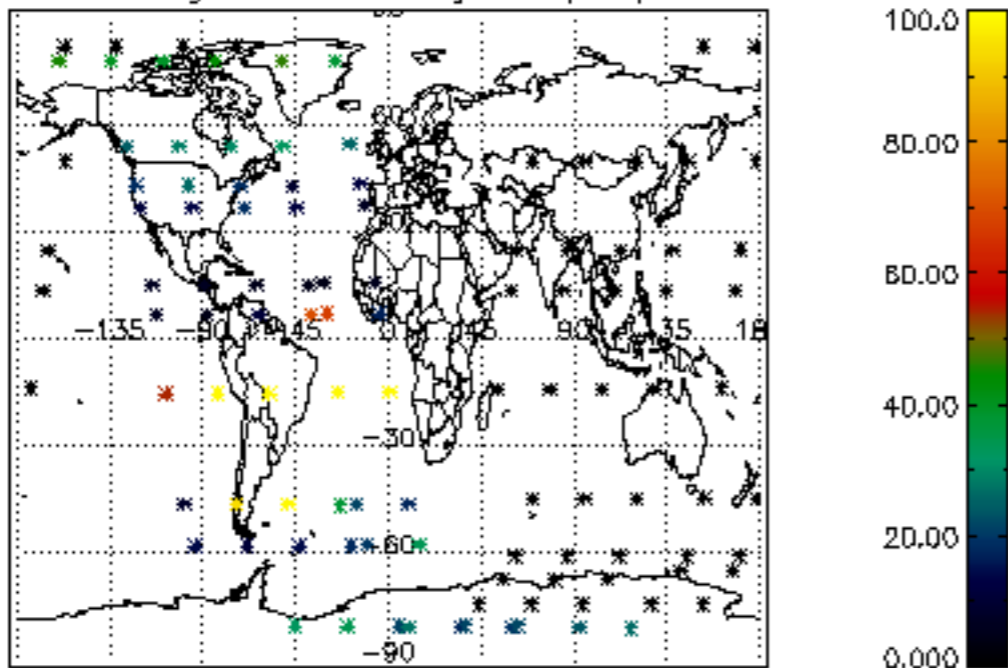




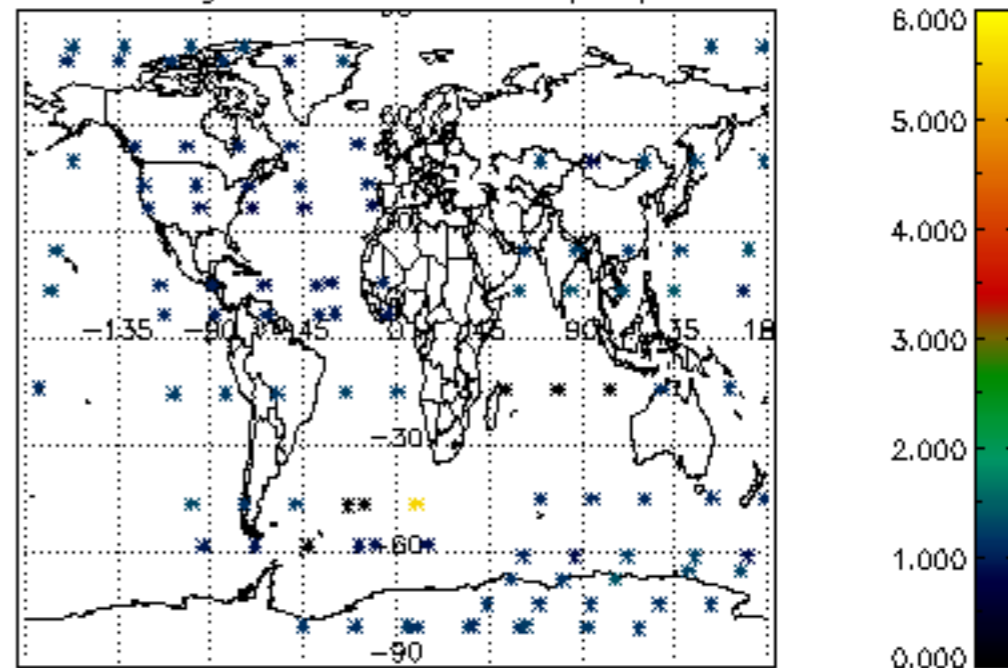




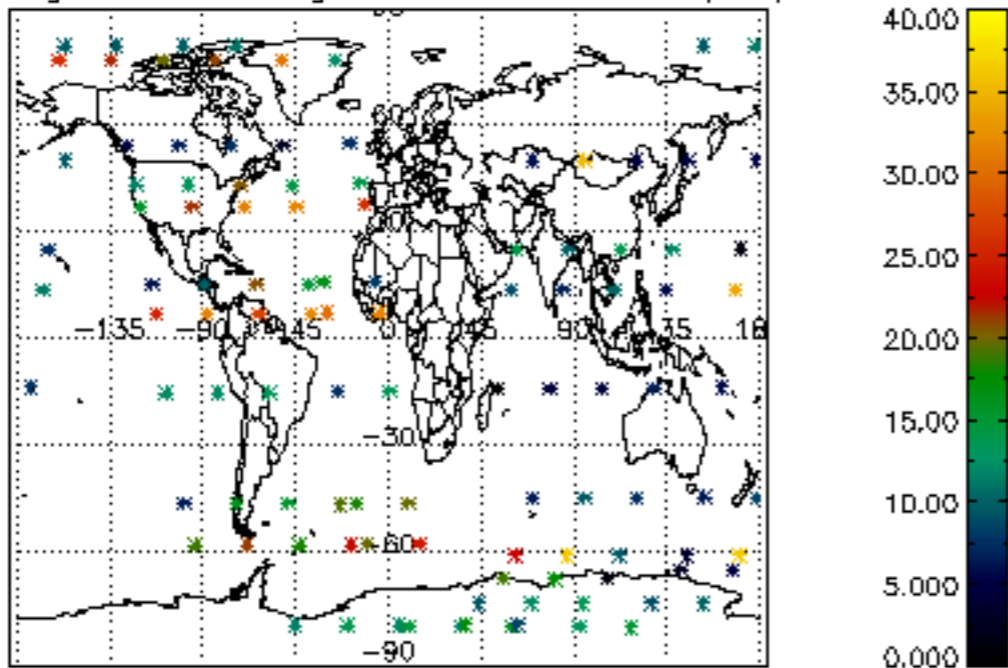
Percentage of cosmic ray hits per profile



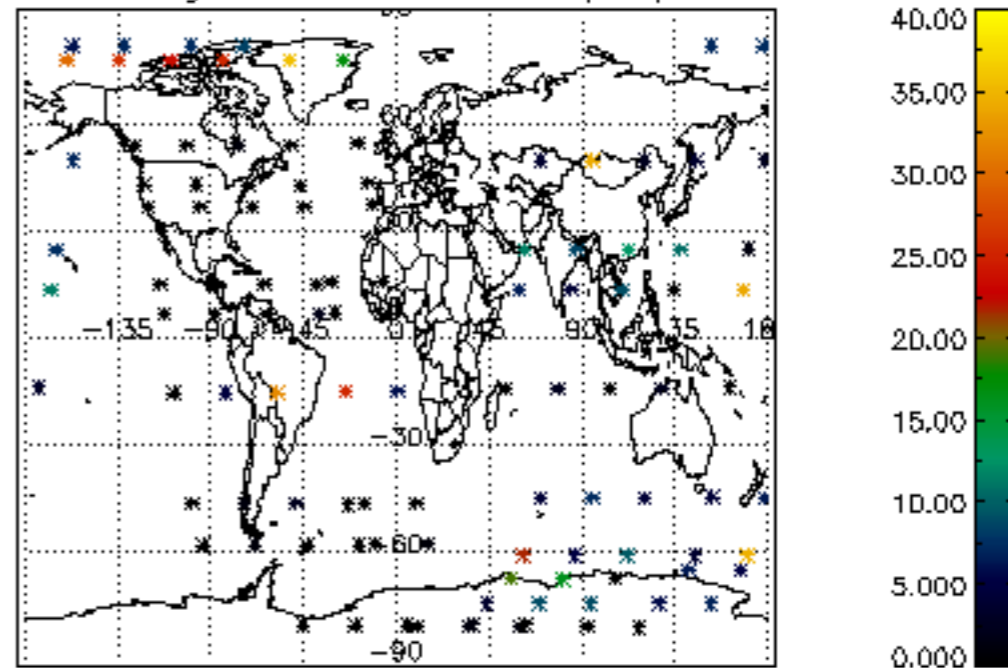
Percentage of datation errors per profile



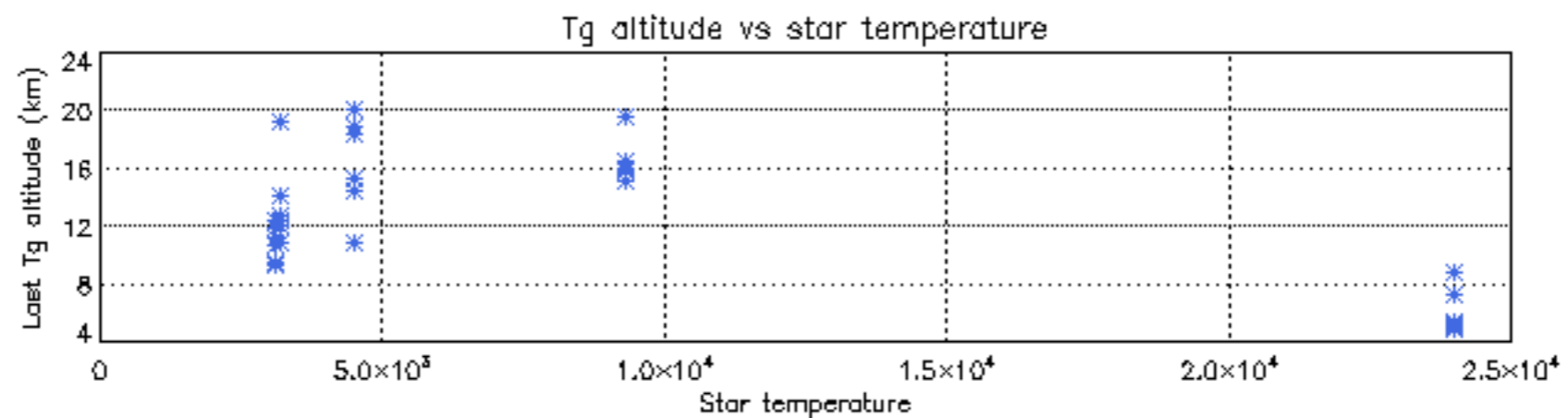
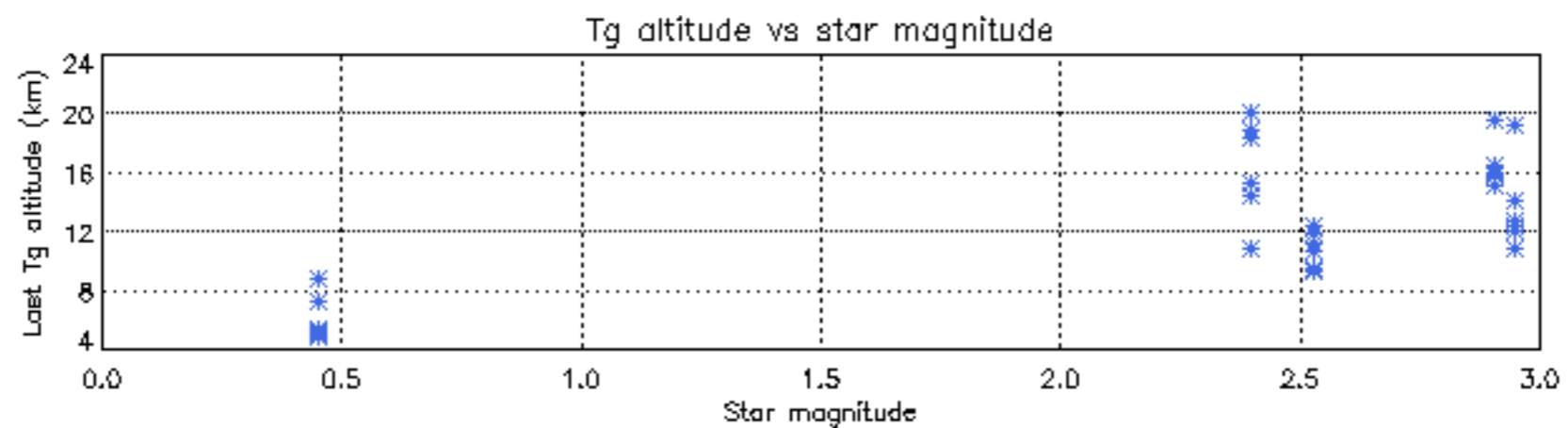
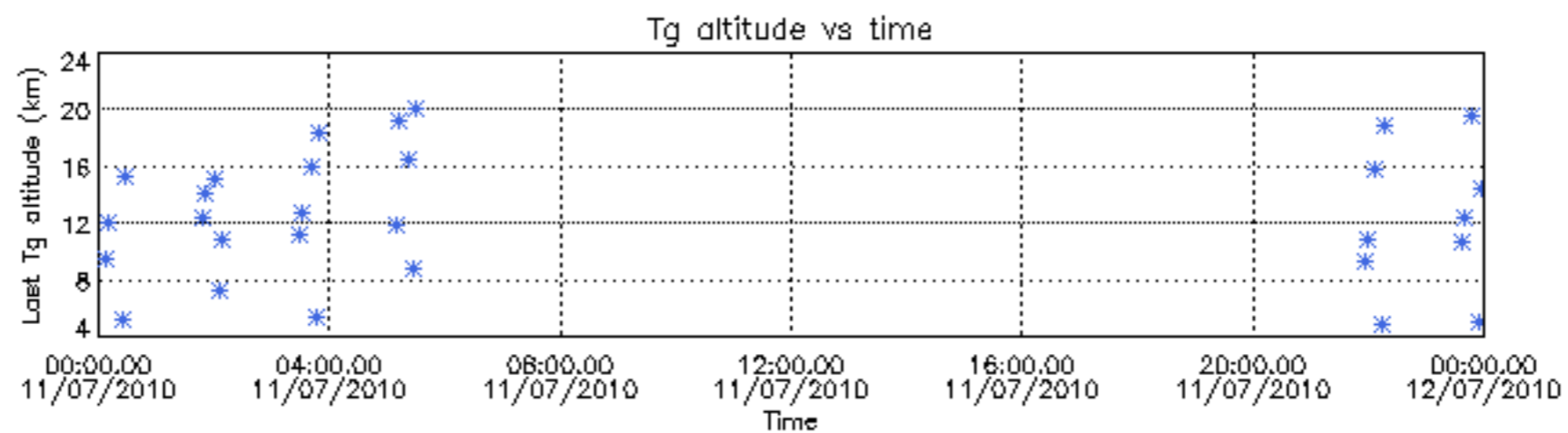
Percentage of star falling outside central band per profile



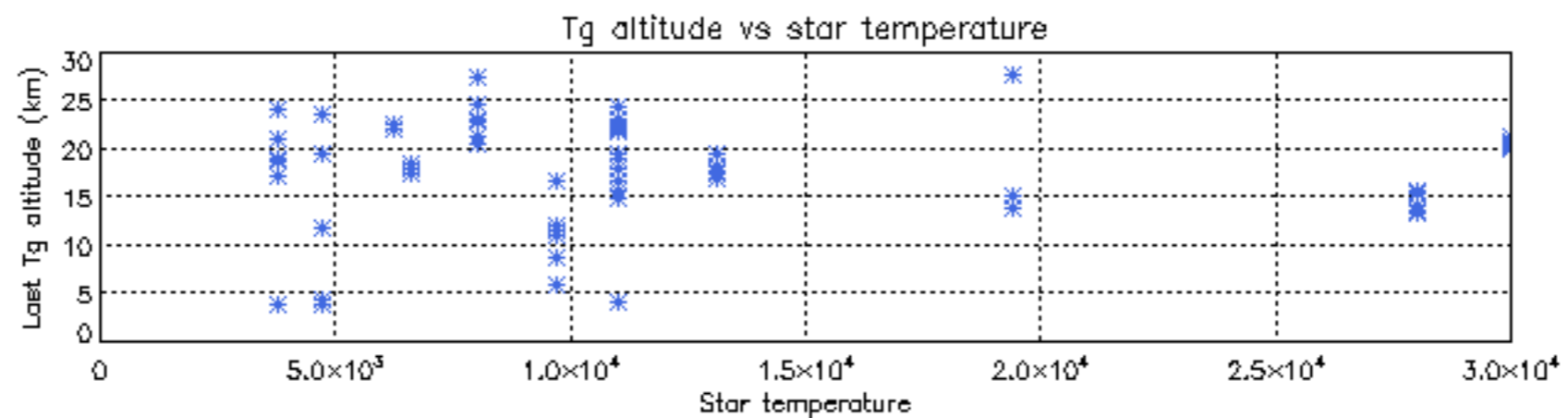
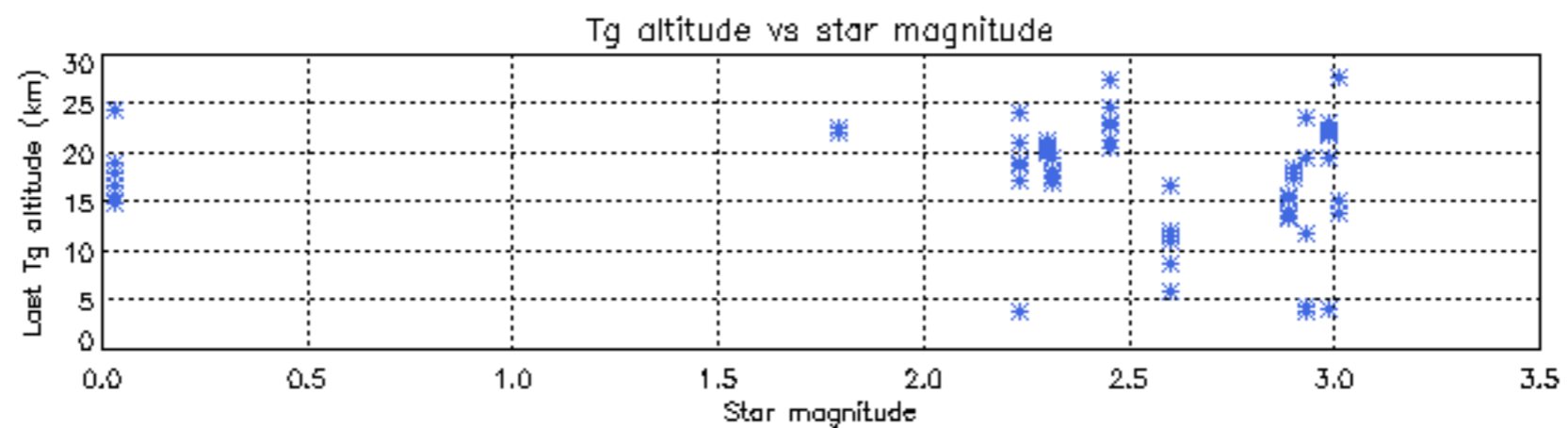
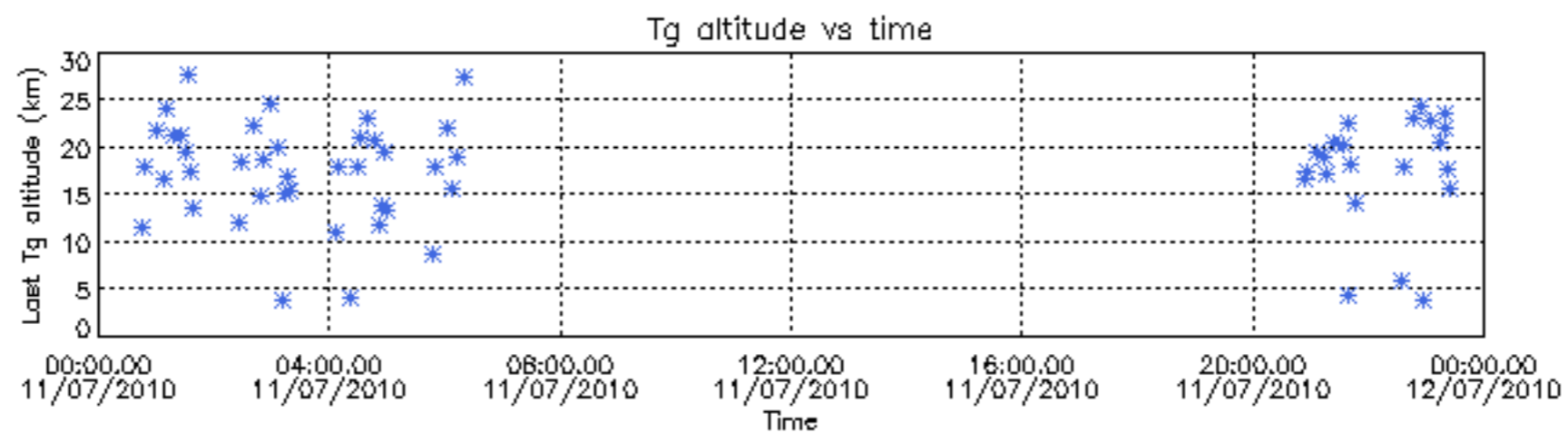
Percentage of saturation errors per profile



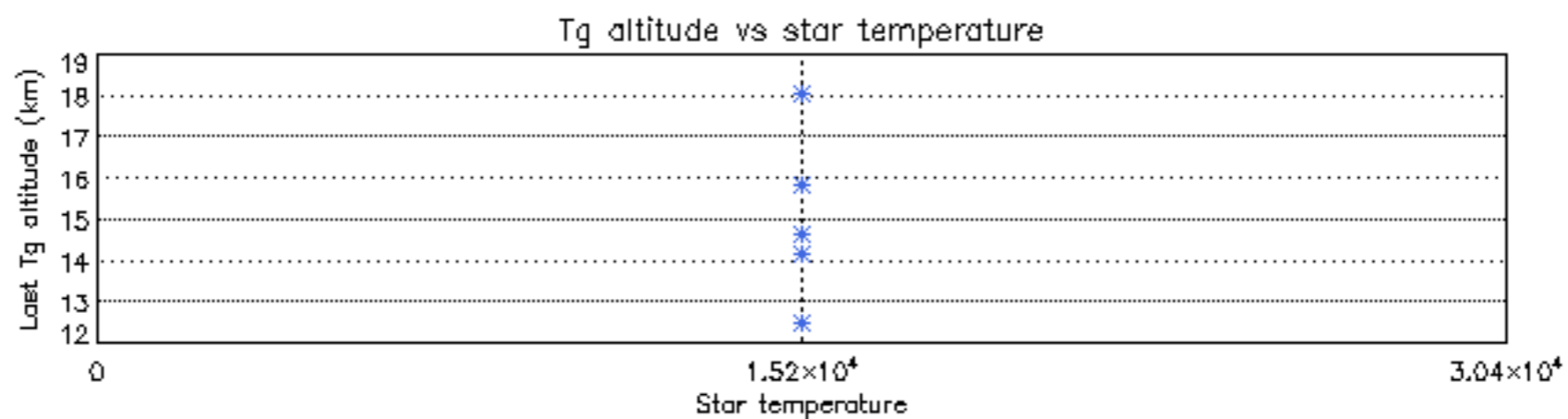
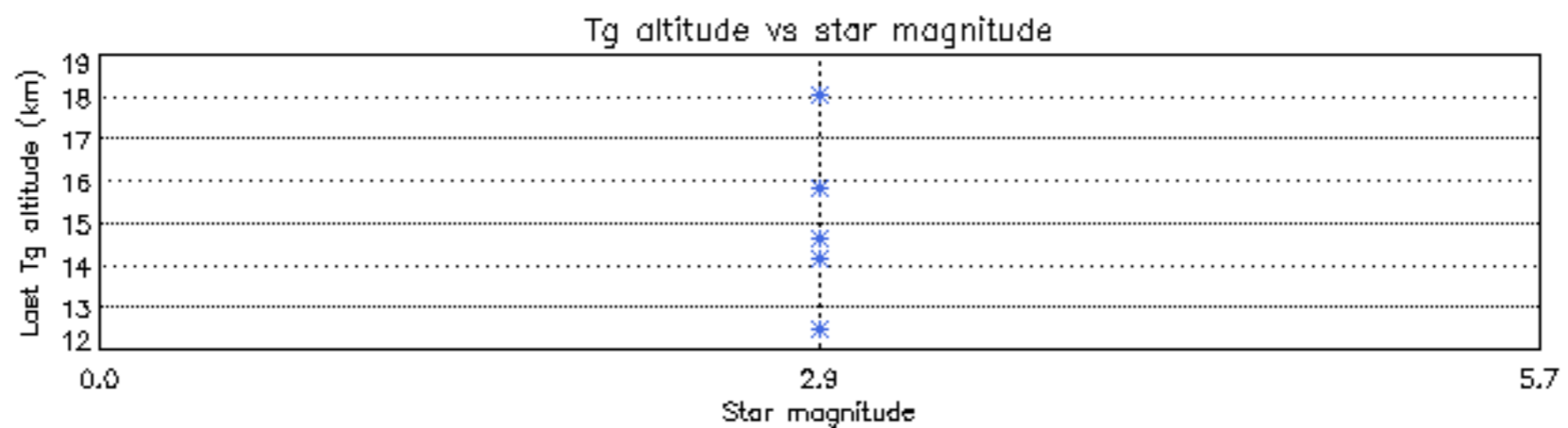
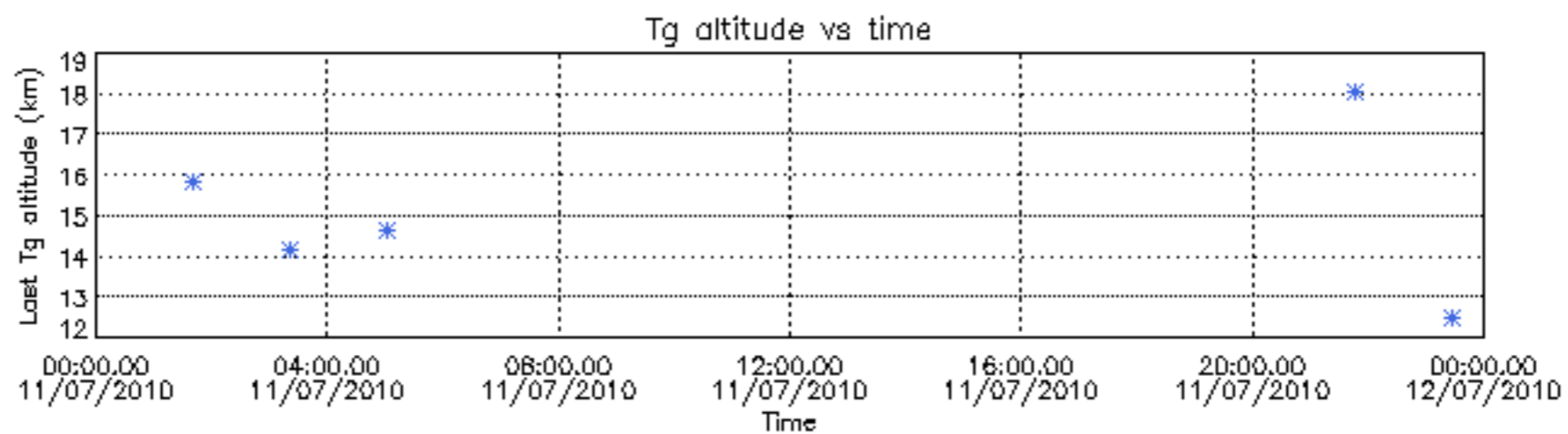
Tangent altitude at which the star is lost

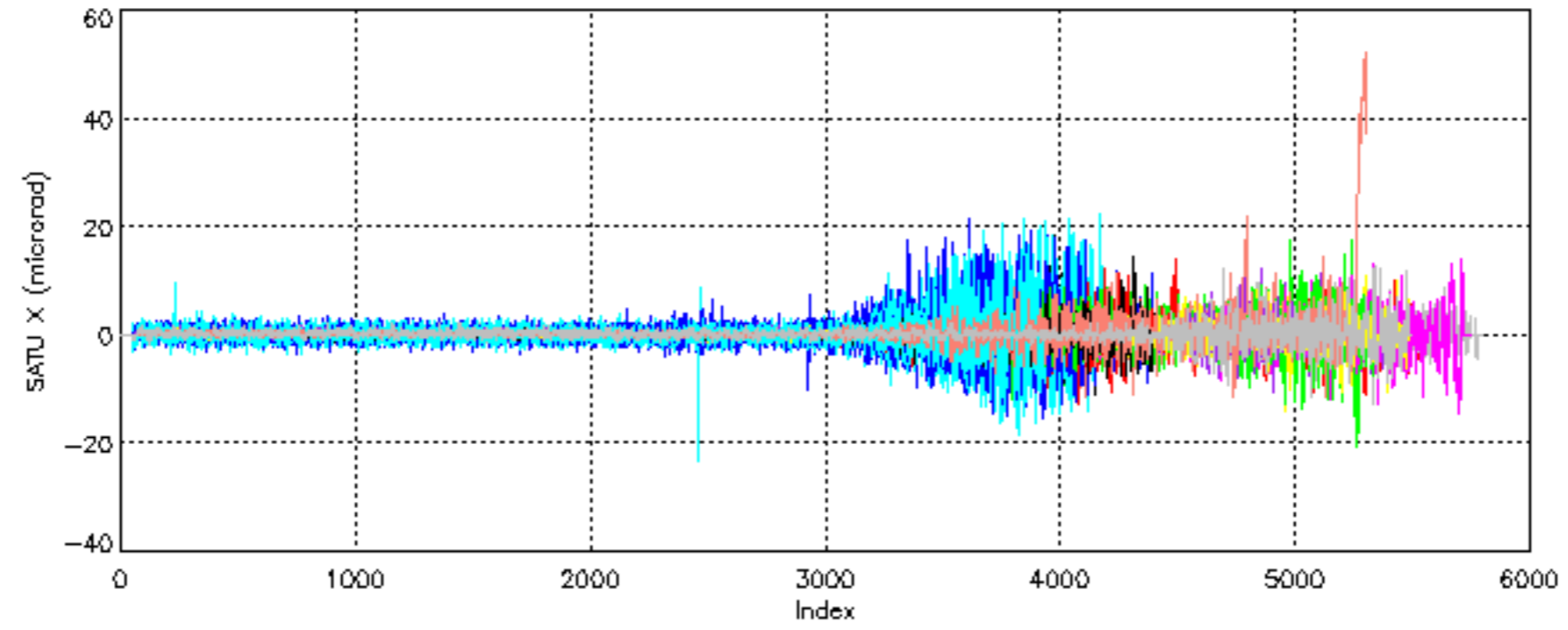


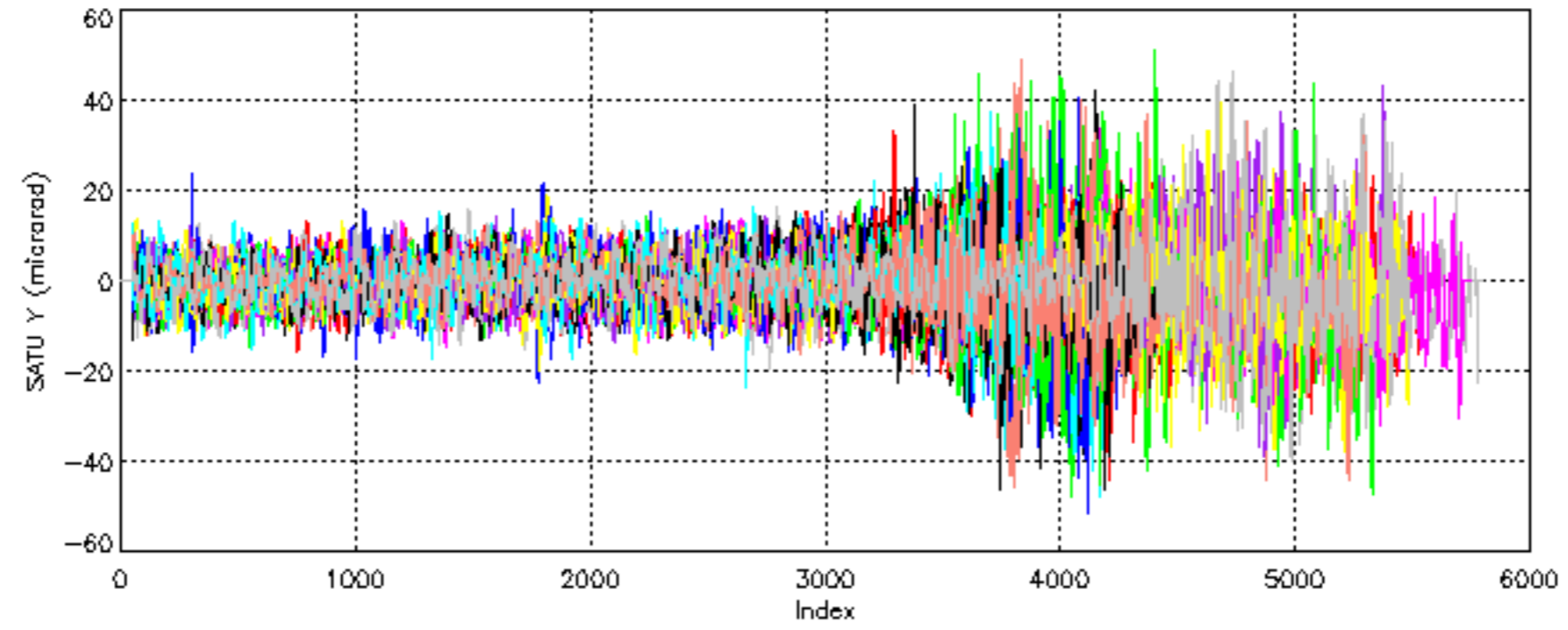
Tangent altitude at which the star is lost

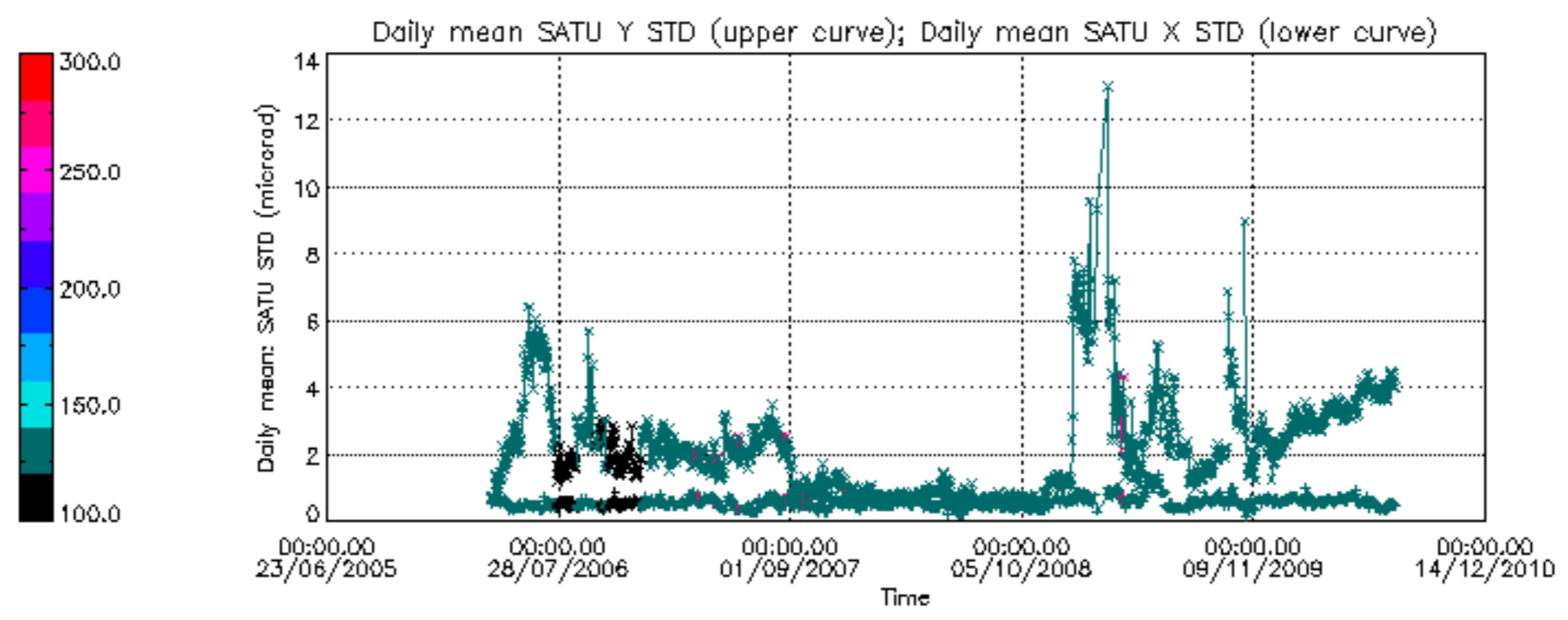


Tangent altitude at which the star is lost









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

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

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

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

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8; -533.7; 01-JUL-2010 05:30:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43574
9; 97.7; 01-JUL-2010 05:40:50; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43575
10; 486.8; 01-JUL-2010 05:47:19; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43575
11; 602.8; 01-JUL-2010 05:49:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;43575
12; 745.4; 01-JUL-2010 05:51:37; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43575
13; 1314.8; 01-JUL-2010 06:01:07; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;43575
14; 1389.0; 01-JUL-2010 06:02:21; Bright; 44.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 89; 0;43575
15; 1480.9; 01-JUL-2010 06:03:53; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43575
16; 1982.2; 01-JUL-2010 06:12:14; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43575
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
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100701_064217_000037772090_00435_43575_1801.N1
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
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 15; 2911.7; 02-JUL-2010 04:15:31; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;43588
 16; 3128.0; 02-JUL-2010 04:19:07; Bright; 60.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 120; 0;43588
 17; 3334.8; 02-JUL-2010 04:22:34; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;43588

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 2; -2162.8; 02-JUL-2010 04:31:32; Bright; 58.5; 110; 37Del Cas ; 2.68; 8900;occ; 117; 0;43588
 3; -1770.4; 02-JUL-2010 04:38:05; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43588
 4; -1616.2; 02-JUL-2010 04:40:39; Dark ; 68.0; 53; 43Bet And ; 2.05; 3300;occ; 136; 0;43588
 5; -1351.9; 02-JUL-2010 04:45:03; Dark ; 61.0; 50; 13Alp Ari ; 2.01; 4250;occ; 122; 0;43588
 6; -521.3; 02-JUL-2010 04:58:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43588
 7; -146.4; 02-JUL-2010 05:05:09; Dark ; 69.5; 52; 16Bet Cet ; 2.04; 4500;occ; 139; 0;43588
 8; 112.1; 02-JUL-2010 05:09:27; Dark ; 61.0; 84; Alp Phe ; 2.40; 4500;occ; 122; 0;43589
 9; 499.9; 02-JUL-2010 05:15:55; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43589
 10; 603.3; 02-JUL-2010 05:17:38; Dark ; 79.5; 18; 24Alp PsA ; 1.17; 9700;occ; 159; 0;43589
 11; 790.9; 02-JUL-2010 05:20:46; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43589
 12; 1483.4; 02-JUL-2010 05:32:18; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43589
 13; 2224.8; 02-JUL-2010 05:44:40; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;43589
 14; 2645.2; 02-JUL-2010 05:51:40; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;43589
 15; 2911.1; 02-JUL-2010 05:56:06; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;43589
 16; 3126.3; 02-JUL-2010 05:59:41; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;43589
 17; 3334.2; 02-JUL-2010 06:03:09; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;43589

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 2; 2220.0; 02-JUL-2010 20:49:58; Bright; 46.5; 168; 17Zet Aql ; 2.99; 11000;occ; 93; 0;43598
 3; 2640.9; 02-JUL-2010 20:56:59; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;43598
 4; 2903.3; 02-JUL-2010 21:01:22; Bright; 49.5; 144; 18Del Cyg ; 2.86; 11000;occ; 99; 0;43598
 5; 3115.0; 02-JUL-2010 21:04:53; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;43598
 6; 3328.0; 02-JUL-2010 21:08:26; Bright; 67.0; 89; 5Alp Cep ; 2.45; 8000;occ; 134; 0;43598
 7; 3772.7; 02-JUL-2010 21:15:51; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43598
 8; 3870.0; 02-JUL-2010 21:17:28; Bright; 42.0; 110; 37Del Cas ; 2.68; 8900;occ; 84; 0;43598
 9; 4265.1; 02-JUL-2010 21:24:04; Bright; 53.5; 73; 57Gam1And ; 2.26; 13100;occ; 107; 0;43598
 10; 4419.7; 02-JUL-2010 21:26:38; Dark ; 69.5; 53; 43Bet And ; 2.05; 3300;occ; 139; 0;43598
 11; 4687.4; 02-JUL-2010 21:31:06; Dark ; 63.5; 50; 13Alp Ari ; 2.01; 4250;occ; 127; 0;43598

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 3; 122.1; 02-JUL-2010 21:55:36; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;43599
 4; 509.5; 02-JUL-2010 22:02:04; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;43599
 5; 620.8; 02-JUL-2010 22:03:55; Dark ; 95.0; 18; 24Alp PsA ; 1.17; 9700;occ; 190; 0;43599
 6; 801.4; 02-JUL-2010 22:06:56; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43599
 7; 1485.3; 02-JUL-2010 22:18:20; Bright; 44.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 89; 0;43599
 8; 2219.6; 02-JUL-2010 22:30:34; Bright; 47.5; 168; 17Zet Aql ; 2.99; 11000;occ; 95; 0;43599
 9; 2640.5; 02-JUL-2010 22:37:35; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;43599
 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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 15; 4265.0; 02-JUL-2010 23:04:39; Bright; 53.0; 73; 57Gam1And ; 2.26; 13100;occ; 106; 0;43599
 16; 4419.6; 02-JUL-2010 23:07:14; Dark ; 74.0; 53; 43Bet And ; 2.05; 3300;occ; 148; 0;43599
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 3; 123.3; 02-JUL-2010 23:36:14; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;43600
 4; 510.5; 02-JUL-2010 23:42:41; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43600
 5; 622.6; 02-JUL-2010 23:44:33; Dark ; 77.5; 18; 24Alp PsA ; 1.17; 9700;occ; 155; 0;43600
 6; 802.4; 02-JUL-2010 23:47:33; Dark ; 57.0; 172; Gam Gru ; 3.00; 13100;occ; 114; 0;43600
 7; 1485.6; 02-JUL-2010 23:58:56; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43600
 8; 2219.0; 03-JUL-2010 00:11:09; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;43600


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9; 2640.2; 03-JUL-2010 00:18:10; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;43600
10; 2901.4; 03-JUL-2010 00:22:32; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43600
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
14; 3869.4; 03-JUL-2010 00:38:40; Bright; 63.0; 110; 37Del Cas ; 2.68; 8900;occ; 126; 0;43600
15; 4264.7; 03-JUL-2010 00:45:15; Bright; 66.0; 73; 57Gam1And ; 2.26; 13100;occ; 132; 0;43600
16; 4419.5; 03-JUL-2010 00:47:50; Dark ; 72.5; 53; 43Bet And ; 2.05; 3300;occ; 145; 0;43600
17; 4688.4; 03-JUL-2010 00:52:19; Dark ; 59.5; 50; 13Alp Ari ; 2.01; 4250;occ; 119; 0;43600
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2; -2163.0; 02-JUL-2010 06:12:08; Bright; 42.5; 110; 37Del Cas ; 2.68; 8900;occ; 85; 0;43589
3; -1770.1; 02-JUL-2010 06:18:41; Bright; 51.0; 73; 57Gam1And ; 2.26; 13100;occ; 102; 0;43589
4; -1616.4; 02-JUL-2010 06:21:15; Dark ; 77.0; 53; 43Bet And ; 2.05; 3300;occ; 154; 0;43589
5; -1351.6; 02-JUL-2010 06:25:39; Dark ; 60.0; 50; 13Alp Ari ; 2.01; 4250;occ; 120; 0;43589
6; -520.3; 02-JUL-2010 06:39:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43589
7; -144.3; 02-JUL-2010 06:45:47; Dark ; 85.0; 52; 16Bet Cet ; 2.04; 4500;occ; 170; 0;43589
8; 113.3; 02-JUL-2010 06:50:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43590
9; 501.0; 02-JUL-2010 06:56:32; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;43590
10; 605.1; 02-JUL-2010 06:58:16; Dark ; 78.0; 18; 24Alp PsA ; 1.17; 9700;occ; 156; 0;43590
11; 792.1; 02-JUL-2010 07:01:23; Dark ; 54.0; 172; Gam Gru ; 3.00; 13100;occ; 108; 0;43590
12; 1483.6; 02-JUL-2010 07:12:55; Bright; 43.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 87; 0;43590
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2; 2644.8; 02-JUL-2010 07:32:16; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;43590
3; 2909.9; 02-JUL-2010 07:36:41; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;43590
4; 3125.1; 02-JUL-2010 07:40:16; Bright; 57.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 115; 0;43590
5; 3333.5; 02-JUL-2010 07:43:45; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;43590
6; 3777.0; 02-JUL-2010 07:51:08; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;43590
7; 3872.4; 02-JUL-2010 07:52:43; Bright; 43.0; 110; 37Del Cas ; 2.68; 8900;occ; 86; 0;43590
8; 4265.4; 02-JUL-2010 07:59:16; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;43590
9; 4419.4; 02-JUL-2010 08:01:50; Dark ; 70.5; 53; 43Bet And ; 2.05; 3300;occ; 141; 0;43590
10; 4684.9; 02-JUL-2010 08:06:16; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;43590
11; 5516.5; 02-JUL-2010 08:20:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43590
12; 5893.1; 02-JUL-2010 08:26:24; Dark ; 87.0; 52; 16Bet Cet ; 2.04; 4500;occ; 174; 0;43590
13; 6150.0; 02-JUL-2010 08:30:41; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;43591
14; 6538.1; 02-JUL-2010 08:37:09; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43591
15; 6642.6; 02-JUL-2010 08:38:54; Dark ; 93.0; 18; 24Alp PsA ; 1.17; 9700;occ; 186; 0;43591
16; 6829.2; 02-JUL-2010 08:42:00; Dark ; 57.0; 172; Gam Gru ; 3.00; 13100;occ; 114; 0;43591
17; 7519.7; 02-JUL-2010 08:53:31; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43591
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2; 2644.4; 02-JUL-2010 09:12:51; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;43591
3; 2909.0; 02-JUL-2010 09:17:16; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43591
4; 3123.9; 02-JUL-2010 09:20:51; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;43591
5; 3333.0; 02-JUL-2010 09:24:20; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43591
6; 3776.4; 02-JUL-2010 09:31:43; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;43591
7; 3872.3; 02-JUL-2010 09:33:19; Bright; 42.5; 110; 37Del Cas ; 2.68; 8900;occ; 85; 0;43591
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
10; 4685.3; 02-JUL-2010 09:46:52; Dark ; 62.0; 50; 13Alp Ari ; 2.01; 4250;occ; 124; 0;43591
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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2; 2643.6; 02-JUL-2010 10:53:26; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;43592
3; 2908.4; 02-JUL-2010 10:57:51; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;43592
4; 3122.9; 02-JUL-2010 11:01:26; Bright; 57.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 115; 0;43592
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
13; 6151.9; 02-JUL-2010 11:51:55; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;43593
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16; 6831.2; 02-JUL-2010 12:03:14; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43593
17; 7519.9; 02-JUL-2010 12:14:43; Bright; 43.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 87; 0;43593
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11; 5519.2; 02-JUL-2010 13:21:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43593
12; 5899.0; 02-JUL-2010 13:28:18; Dark ; 74.5; 52; 16Bet Cet ; 2.04; 4500;occ; 149; 0;43593
13; 6153.3; 02-JUL-2010 13:32:32; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;43594
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16; 6832.2; 02-JUL-2010 13:43:51; Dark ; 54.0; 172; Gam Gru ; 3.00; 13100;occ; 108; 0;43594
17; 7520.4; 02-JUL-2010 13:55:19; Bright; 43.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 86; 0;43594
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 14; 4259.5; 06-JUL-2010 22:38:42; Bright; 56.5; 73; 57Gam1And ; 2.26; 13100;occ; 113; 0;43656
 15; 4418.9; 06-JUL-2010 22:41:21; Dark ; 82.0; 53; 43Bet And ; 2.05; 3300;occ; 164; 0;43656
 16; 4709.9; 06-JUL-2010 22:46:12; Dark ; 66.0; 50; 13Alp Ari ; 2.01; 4250;occ; 132; 0;43656
 17; 5015.8; 06-JUL-2010 22:51:18; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;43656

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1; -454.7; 06-JUL-2010 23:00:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43656
 2; -6.7; 06-JUL-2010 23:08:12; Dark ; 76.0; 52; 16Bet Cet ; 2.04; 4500;occ; 152; 0;43656
 3; 183.9; 06-JUL-2010 23:11:22; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43657
 4; 564.2; 06-JUL-2010 23:17:42; Dark ; 61.5; 63; Bet Gru ; 2.15; 2800;occ; 123; 0;43657
 5; 718.1; 06-JUL-2010 23:20:16; Dark ; 83.0; 18; 24Alp PsA ; 1.17; 9700;occ; 166; 0;43657
 6; 858.4; 06-JUL-2010 23:22:37; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43657
 7; 2194.4; 06-JUL-2010 23:44:53; Bright; 43.5; 168; 17Zet Aql ; 2.99; 11000;occ; 87; 0;43657
 8; 2616.8; 06-JUL-2010 23:51:55; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;43657
 9; 2857.0; 06-JUL-2010 23:55:55; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43657
 10; 3046.3; 06-JUL-2010 23:59:05; Bright; 58.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 116; 0;43657
 11; 3289.0; 07-JUL-2010 00:03:07; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43657
 12; 3739.2; 07-JUL-2010 00:10:37; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43657
 13; 3850.6; 07-JUL-2010 00:12:29; Bright; 64.0; 110; 37Del Cas ; 2.68; 8900;occ; 128; 0;43657
 14; 4259.4; 07-JUL-2010 00:19:18; Bright; 54.0; 73; 57Gam1And ; 2.26; 13100;occ; 108; 0;43657
 15; 4418.4; 07-JUL-2010 00:21:57; Dark ; 76.0; 53; 43Bet And ; 2.05; 3300;occ; 152; 0;43657
 16; 4710.0; 07-JUL-2010 00:26:48; Dark ; 61.0; 50; 13Alp Ari ; 2.01; 4250;occ; 122; 0;43657
 17; 5016.1; 07-JUL-2010 00:31:54; Dark ; 53.5; 94; 92Alp Cet ; 2.53; 3100;occ; 107; 0;43657

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

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

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 2; -2185.9; 07-JUL-2010 03:33:40; Bright; 42.5; 110; 37Del Cas ; 2.68; 8900;occ; 85; 0;43659


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

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8; 2846.6; 08-JUL-2010 01:04:44; Bright; 44.5; 144; 18Del Cyg ; 2.86; 11000;occ; 89; 0;43672
9; 3030.1; 08-JUL-2010 01:07:47; Bright; 55.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 110; 0;43672
10; 3279.4; 08-JUL-2010 01:11:57; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;43672
11; 3730.8; 08-JUL-2010 01:19:28; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;43672
12; 3845.4; 08-JUL-2010 01:21:23; Bright; 42.0; 110; 37Del Cas ; 2.68; 8900;occ; 84; 0;43672
13; 4257.9; 08-JUL-2010 01:28:15; Bright; 52.5; 73; 57Gam1And ; 2.26; 13100;occ; 105; 0;43672
14; 4418.4; 08-JUL-2010 01:30:56; Dark ; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;43672
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2; 30.2; 08-JUL-2010 01:58:23; Dark ; 36.0; 52; 16Bet Cet ; 2.04; 4500;occ; 72; 0;43673
3; 201.8; 08-JUL-2010 02:01:15; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;43673
4; 578.9; 08-JUL-2010 02:07:32; Dark ; 64.0; 63; Bet Gru ; 2.15; 2800;occ; 128; 0;43673
5; 744.3; 08-JUL-2010 02:10:17; Dark ; 79.0; 18; 24Alp PsA ; 1.17; 9700;occ; 158; 0;43673
6; 873.7; 08-JUL-2010 02:12:27; Dark ; 54.5; 172; Gam Gru ; 3.00; 13100;occ; 109; 0;43673
7; 2188.6; 08-JUL-2010 02:34:22; Bright; 44.5; 168; 17Zet Aql ; 2.99; 11000;occ; 89; 0;43673
8; 2846.2; 08-JUL-2010 02:45:19; Bright; 42.5; 144; 18Del Cyg ; 2.86; 11000;occ; 85; 0;43673
9; 3029.0; 08-JUL-2010 02:48:22; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;43673
10; 3279.0; 08-JUL-2010 02:52:32; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;43673
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3; -1778.0; 08-JUL-2010 03:08:51; Bright; 56.5; 73; 57Gam1And ; 2.26; 13100;occ; 113; 0;43673
4; -1617.6; 08-JUL-2010 03:11:32; Dark ; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;43673
5; -1318.9; 08-JUL-2010 03:16:30; Dark ; 66.0; 50; 13Alp Ari ; 2.01; 4250;occ; 132; 0;43673
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7; -436.0; 08-JUL-2010 03:31:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43673
8; 32.5; 08-JUL-2010 03:39:02; Dark ; 36.0; 52; 16Bet Cet ; 2.04; 4500;occ; 72; 0;43674
9; 203.1; 08-JUL-2010 03:41:52; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;43674
10; 580.0; 08-JUL-2010 03:48:09; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43674
11; 745.9; 08-JUL-2010 03:50:55; Dark ; 81.0; 18; 24Alp PsA ; 1.17; 9700;occ; 162; 0;43674
12; 874.4; 08-JUL-2010 03:53:04; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43674
13; 2188.4; 08-JUL-2010 04:14:57; Bright; 43.5; 168; 17Zet Aql ; 2.99; 11000;occ; 87; 0;43674
14; 2845.4; 08-JUL-2010 04:25:55; Bright; 45.5; 144; 18Del Cyg ; 2.86; 11000;occ; 91; 0;43674
15; 3027.9; 08-JUL-2010 04:28:57; Bright; 56.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 113; 0;43674
16; 3278.3; 08-JUL-2010 04:33:07; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43674
17; 3729.4; 08-JUL-2010 04:40:38; Bright; 1.5; 74; 11Bet Cas ; 2.27; 6600;occ; 3; 0;43674
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7;	725.0;	20-JUL-2010	00:52:23;	Dark	;	60.5;	63;	Bet Gru	;	2.15;	2800;occ;	121;	0;	43844
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 14; 6326.9; 30-JUL-2010 15:36:11; Dark ; 47.0; 9; Alp Eri ; 0.45; 24000;occ; 94; 0;43996
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 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; 2699.4; 30-JUL-2010 17:56:55; Bright; 39.5; 144; 18Del Cyg ; 2.86; 11000;occ; 79; 0;43997
 5; 3100.4; 30-JUL-2010 18:03:36; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;43997
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 14; 5427.2; 30-JUL-2010 18:42:23; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;43997
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 18; 6605.8; 30-JUL-2010 19:02:02; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;43998
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 6; 3100.0; 30-JUL-2010 19:44:12; Bright; 41.0; 89; 5Alp Cep ; 2.45; 8000;occ; 82; 0;43998
 7; 4084.0; 30-JUL-2010 20:00:36; Bright; 49.5; 35; 33Alp Per ; 1.79; 6250;occ; 99; 0;43998
 8; 4199.9; 30-JUL-2010 20:02:32; Bright; 55.0; 6; 13Alp Aur ; 0.08; 3400;occ; 110; 0;43998
 9; 4316.0; 30-JUL-2010 20:04:28; Bright; 47.5; 149; 45Eps Per ; 2.89; 30000;occ; 95; 0;43998
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 13; 4902.3; 30-JUL-2010 20:14:14; Dark ; 45.0; 27; 24Gam Ori ; 1.64; 26000;occ; 90; 0;43998
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 18; 6328.4; 30-JUL-2010 20:38:00; Dark ; 53.5; 9; Alp Eri ; 0.45; 24000;occ; 107; 0;43999
 19; 6606.5; 30-JUL-2010 20:42:39; Dark ; 58.0; 84; Alp Phe ; 2.40; 4500;occ; 116; 0;43999
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 8;-1136.6; 30-JUL-2010 03:28:12; Dark ; 37.0; 27; 24Gam Ori ; 1.64; 26000;occ; 74; 0;43988
 9; -876.7; 30-JUL-2010 03:32:32; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;43988
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 13; 285.9; 30-JUL-2010 03:51:54; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;43989
 14; 560.0; 30-JUL-2010 03:56:28; Dark ; 58.0; 84; Alp Phe ; 2.40; 4500;occ; 116; 0;43989
 15; 707.5; 30-JUL-2010 03:58:56; Dark ; 41.5; 148; Alp Tuc ; 2.88; 4100;occ; 83; 0;43989
 16; 903.0; 30-JUL-2010 04:02:11; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43989
 17; 1092.6; 30-JUL-2010 04:05:21; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;43989
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 19; 2595.9; 30-JUL-2010 04:30:24; Bright; 48.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 97; 0;43989
 20; 2701.5; 30-JUL-2010 04:32:10; Bright; 37.5; 144; 18Del Cyg ; 2.86; 11000;occ; 75; 0;43989
 21; 2781.1; 30-JUL-2010 04:33:29; Bright; 42.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 85; 0;43989
 22; 3104.1; 30-JUL-2010 04:38:52; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;43989

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 4;-1719.6; 30-JUL-2010 04:59:05; Bright; 62.0; 149; 45Eps Per ; 2.89; 30000;occ; 124; 0;43989
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14; 561.1; 30-JUL-2010 05:37:06; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;43990
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19; 2701.0; 30-JUL-2010 06:12:45; Bright; 39.0; 144; 18Del Cyg ; 2.86; 11000;occ; 78; 0;43990
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6; 909.0; 30-JUL-2010 22:28:53; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;44000
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